



**CITY OF CAMPBELL**  
Community Development Department

February 14, 2014

**NOTICE OF ADMINISTRATIVE SITE & ARCHITECTURAL REVIEW PERMIT**

Notice is hereby given that the Planning Division of the Community Development Department of the City of Campbell has received an application for an Administrative Site & Architectural Review Permit for the following project proposal:

**File No.:** PLN2013-216  
**Applicant:** Yongwei Li  
**Project Address:** 1284 Elam Avenue  
**Property Owner:** Yongwei Li  
**Zoning District:** R-1-6 – Single Family Residential  
**General Plan:** Low Density Residential  
**Project Description:** Construction of a two-story 3,700 square-foot single-family residence

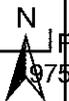
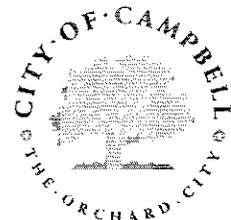
This project will be decided by the Community Development Director and you have the opportunity to provide comment prior to the Director's decision. The ten-day comment period for this application begins on February 14, 2014 and ends on February 24, 2014. Any comments regarding this application must be submitted in writing (including email) to the Planning Division before 5:00 p.m. on February 24, 2014. The Director will then consider all comments submitted within this time period prior to a decision.

Decisions by the Community Development Director are final in 10 calendar days following the date of approval, unless an appeal is received in writing at the City of Campbell City Clerk's Office, 70 N. First Street, Campbell, prior to the end of the appeal period. A written appeal must be accompanied with the required \$200 appeal filing fee. No additional notice will be provided. Please contact the project planner in a timely manner to determine what decision was reached. Plans and architectural drawings may be viewed at the Planning Division office during normal business hours (8:00 AM – 5:00 PM) and on the City's 'Public Notices' web page (<http://www.cityofcampbell.com/501/Public-Notices>) under 'Administrative Decisions'. Questions or comments regarding this application may be addressed to Daniel Fama, Associate Planner in the Community Development Department at (408) 866-2193 or by email at [danielf@cityofcampbell.com](mailto:danielf@cityofcampbell.com).

# Project Location Map



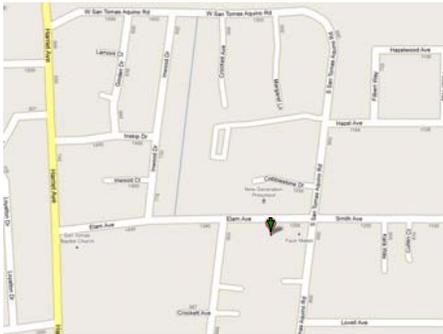
**Project Location:** 1284 Elam Ave.  
**Application Type:** Site and Arc. Review Permit  
**Planning File No.:** PLN2013-216  
**Description:** Construction of a single-family house



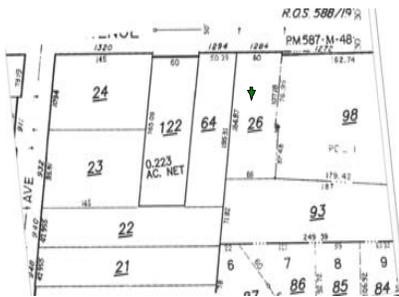
Community Development Department  
Planning Division

**GENERAL NOTES: (SEE ALSO STRUCTURAL GENERAL NOTES)**

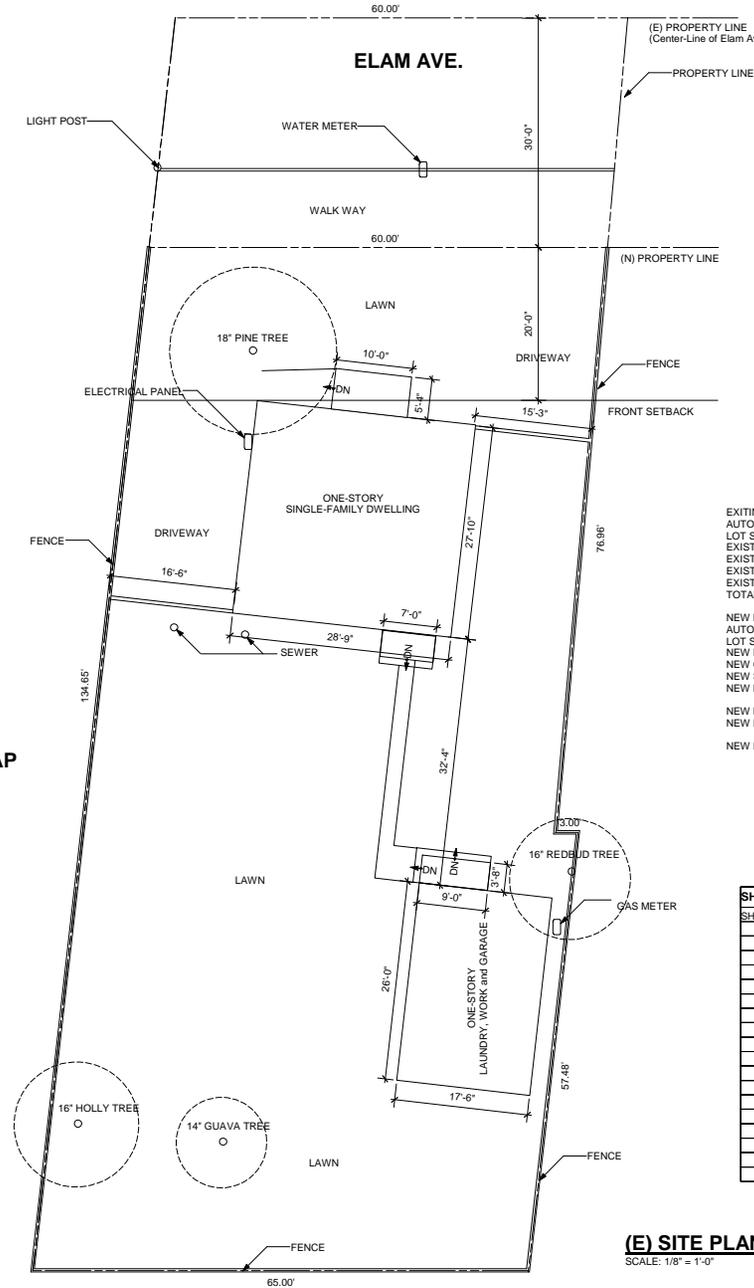
- ALL WORK SHALL CONFORM TO THE 2010 CALIFORNIA BUILDING CODE (CBC), 2010 CALIFORNIA RESIDENTIAL CODE (CRC), 2010 CALIFORNIA MECHANICAL CODE (CMC) AND 2010 CALIFORNIA PLUMBING CODE (CPC) AND 2010 CALIFORNIA ELECTRICAL CODE (CEC), 2010 CALIFORNIA ENERGY CODE (TITLE 24) AND 2010 CALIFORNIA FIRE CODE (CFC) & UNIFORM FIRE CODE (UFC) AND 2010 CALIFORNIA GREEN BUILDING STANDARDS AND THE CITY CAMPBELL BUILDING CODE ORDINANCE ENFORCES AND ANY OTHER REGULATORY LOCAL AND STATE AGENCIES WHICH HAVE ANY AUTHORITY OVER ANY PORTION OF THE WORK INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PLANS AND AT THE BUILDING SITE BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCY TO THE ARCHITECT BEFORE PROCEEDING.
- THE CONTRACTOR SHALL INSURE THAT ALL WORK IS CARRIED OUT IN A SAFE ENVIRONMENT. IT SHALL BE HIS RESPONSIBILITY TO SEE THAT ALL CONSTRUCTION SAFETY REGULATIONS APPLICABLE ARE OBSERVED.
- THE INSTALLATION OF ALL SPECIFIED MATERIALS INCLUDING THE PREPARATION OF SURFACES SHALL CONFORM TO THE MATERIAL MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. ALL WORK SHALL BE PERFORMED BY MECHANICS SKILLED IN THE APPLICATION MATERIALS SPECIFIED.
- CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING WHERE REQUIRED.
- METHODS OF DEMOLITION SHALL BE DEvised BY THE CONTRACTOR BUT WITHIN THE REQUIREMENTS OF ALL APPLICABLE CODES AND LOCAL ORDINANCES.
- DETAILS SHOWN ARE BASED ON DATA TAKEN FROM EXISTING FIELD OBSERVATIONS AND MAY NOT AGREE WITH EXISTING CONSTRUCTION. WHERE A DIFFERENCE OCCURS WORK SHALL BE STOPPED ON THAT AREA IMMEDIATELY AND THE ARCHITECT SHALL BE NOTIFIED.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT EXISTING OR NEW STRUCTURES DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- CONTRACTOR SHALL VERIFY WITH THE OWNER LOCATIONS OF EXISTING UNDERGROUND CABLES, CONDUITS, UTILITY PIPES, ETC. AND SHALL NOT DAMAGE SAME DURING EXCAVATIONS. CONCRETE AND ASPHALT TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A CLEAN STRAIGHT EDGE.
- THE DESIGN, ADEQUACY, AND SAFETY OF ERECTING, BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HAS NOT BEEN CONSIDERED BY THE ARCHITECT.
- THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE BRACES AND CONNECTIONS TO SUPPORT THE COMPONENT PARTS OF THE STRUCTURE, UNTIL THE STRUCTURE ITSELF (INCLUDING THE ROOF AND FLOOR DIAPHRAGMS) IS COMPLETE ENOUGH TO ADEQUATELY SUPPORT ITSELF.
- ALL CONCRETE OR MASONRY RETAINING WALLS SEPARATING EXTERIOR AND INTERIOR SPACES SHALL BE EQUIPPED WITH VAPOR BARRIERS AND PERFORATED DRAINS SURROUNDED BY GRAVEL.



SUBJECT PROPERTY  
**VACINITY MAP**



SUBJECT PROPERTY  
**TRACK MAP**



**(E) SITE PLAN**  
SCALE: 1/8" = 1'-0"



**CONSTRUCTION HOURS:**

NO PERSON SHALL EXERCISE (INCLUDING EXCAVATION AND RADING), DEMOLISH, ALTER OR REPAIR ANY BUILDING OR STRUCTURE OTHER THAN BETWEEN THE FOLLOWING HOURS EXCEPT IN THE CASE OF URGENT NECESSITY IN THE INTEREST OF PUBLIC HEALTH AND SAFETY, AND THEN ONLY WITH PRIOR WRITTEN APPROVAL FROM THE BUILDING OFFICIAL, WHICH APPROVAL SHALL BE GRANTED FOR A PERIOD NOT TO EXCEED THREE DAYS. HOLIDAYS ARE THE FIRST DAY OF JANUARY, THE THIRD MONDAY OF FEBRUARY, THE LAST MONDAY OF MAY, THE FOURTH DAY OF JULY, THE FIRST MONDAY OF SEPTEMBER, THE ELEVENTH DAY OF NOVEMBER, THE FOURTH THURSDAY IN NOVEMBER AND THE TWENTY-FIFTH DAY OF DECEMBER. IF THE FIRST DAY OF JANUARY, THE FOURTH DAY OF JULY, THE ELEVENTH DAY OF NOVEMBER, OR THE TWENTY-FIFTH DAY OF THE DECEMBER FALLS UPON A SUNDAY THE FOLLOWING MONDAY IS A HOLIDAY.

MONDAY THROUGH FRIDAY: 8 AM TO 5 PM  
SATURDAYS: 9 AM TO 4 PM  
SUNDAYS AND HOLIDAYS: No CONSTRUCTION

**SITE ANALYSIS:**

ZONING: R-1-6  
TYPE OF CONSTRUCTION: V/N  
OCCUPANCY: R3  
NO. OF STORIES: ONE

EXISTING BUILDING:  
AUTOMATIC FIRE SPRINKLER SYSTEM: NO  
LOT SIZE: 8,248.76 SQ. FT.  
EXISTING HABITABLE SPACE: 784.0 SQ. FT.  
EXISTING GARAGE SPACE: 458.0 SQ. FT.  
EXISTING BUILDING SPACE: 784.0 + 458.0 = 1,242.0 SQ.FT.  
EXISTING LOT COVERAGE: 1,242.0 / 8,248.8 = 0.15  
TOTAL EXISTING F.A.R.: 0.15

NEW BUILDING:  
AUTOMATIC FIRE SPRINKLER SYSTEM: YES  
LOT SIZE: 8,248.76 SQ.FT.  
NEW FIRST FLOOR HABITABLE SPACE: 1,880.10 SQ. FT.  
NEW GARAGE SPACE: 470.82 SQ. FT.  
NEW SECOND FLOOR HABITABLE SPACE: 1,369.74 SQ. FT.  
NEW BUILDING SPACE: 1,880.10 + 470.82 + 1,369.74 = 3,720.66 SQ.FT.

NEW LOT COVERAGE: 2,350.92 / 8,248.76 = 0.29 < 0.40  
NEW FLOOR AREA (F.A.R.): 3,720.66 / 8,248.76 = 0.45 < 0.45  
NEW FRONT YARD PAVING COVERAGE: 1,200 / 8,248.8 = 0.15

**SHEET INDEX**

SHEET NO.	DESCRIPTION
A 1.0	(E) SITE PLAN, SITE INFO & GENERAL NOTES
A 1.1	(N) SITE PLAN & DOOR, WINDOWS SCHEDULE
A 2.0	FIRST FLOOR PLAN & DETAILS
A 2.1	SECOND FLOOR & FIRST ROOF PLAN
A 3.0	ROOF PLAN & DETAILS
A 4.0	(N) ELEVATIONS (N, E)
A 4.0	(N) ELEVATIONS (S, W)
A 5.0	SECTIONS & DETAILS
E 1.0	ELECTRICAL & MECHANICAL PLAN (FIRST FLOOR)
E 1.1	ELECTRICAL & MECHANICAL PLAN (SECOND FLOOR & NOTES)
E 2.0	TITLE 24
S 1.0	
S 1.1	
S 2.0	
S 2.1	
S 3.0	
S 3.1	
S 4.0	

REVISIONS	DATE
1. PRELIMINARY SET	04-08-13
2. PERMIT SET	07-25-13
3. REVISED Per PLAN REVIEW COMMENTS	01-12-14
4. REVISED Per PLAN REVIEW COMMENTS	02-12-14



**TIGER BUILDERS, INC.**  
ARCHITECTURAL & ENGINEERING SERVICES

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Office: (408) 865-1251  
Cell: (408) 391-1128  
Fax: (408) 865-1816  
yongwei\_li@hotmail.com

**YONGWEI LI**  
OWNER & CONTRACTOR

5905 DIAL WAY  
SAN JOSE, CA 95129  
Office: (408) 865-1251  
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Fax: (408) 865-1816  
yongwei\_li@hotmail.com

APN 403-10-026  
**(E) SITE PLAN,  
SITE INFO &  
GENERAL  
NOTES**

PLAN OF NEW HOUSE FOR  
**YONGWEI LI &  
CHAOYING CHEN**  
RESIDENCE  
1284 ELAM AVE  
CAMPBELL, CA 95008

DATE	04-08-2013	SHEET N°	A1.0
JOB N°	0408		

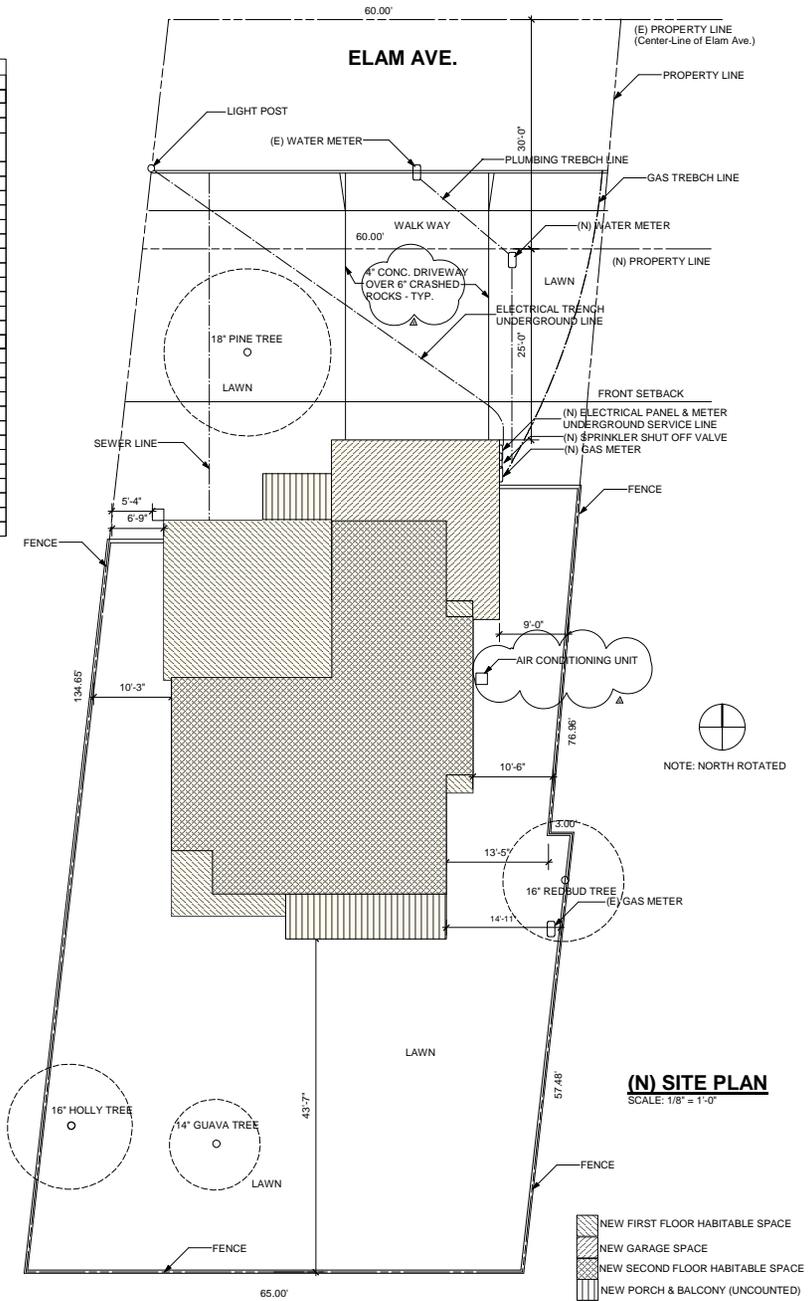
DOOR SCHEDULE							
NO.	SIZE	THK	TYPE	GLASS	FINISH	HARDWARE	REMARKS
<b>FIRST FLOOR</b>							
1	15'-0" X 6'-8"	1 3/4"	SECTIONAL GARAGE DOOR		PRIME & PAINT	AUTOMATIC GARAGE OPENER	WEATER STRIPING
2	5'-0" X 8'-0"	1 3/4"	PAIR OF SOLID CORE		PRIME & PAINT	SCHLAGE ENTRY SET	WEATER STRIPING
3	2'-6" X 6'-8"	1 3/4"	WOOD SOLID CORE		PRIME & PAINT	AUTOMATIC CLOSING DEVICE	WEATER STRIPING, 20-MIN RATED, TIGHT-FITTING
4	2'-0" X 6'-8"	1 3/4"	WOOD SOLID CORE		PRIME & PAINT	SCHLAGE PASSAGE SET	NEW
5	2'-8" X 6'-8"	1 3/4"	WOOD SOLID CORE		PRIME & PAINT	SCHLAGE SECURITY SET	WEATER STRIPING
6	2'-0" X 6'-8"	1 3/8"	WOOD PANEL		PRIME & PAINT	SCHLAGE PRIVACY SET	WEATER STRIPING
7	5'-0" X 7'-6"	1 3/8"	BI-FOLD BI-PART OF WOOD PANEL		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
8	6'-0" X 7'-6"	1 3/8"	PAIR OF CLOSET SLIDER		PRIME & PAINT	SCHLAGE PASSAGE SET	NEW
9	6'-0" X 7'-6"	1 3/8"	PAIR OF CLOSET SLIDER		PRIME & PAINT	SCHLAGE PASSAGE SET	NEW
10	5'-0" X 7'-6"	1 3/8"	BI-FOLD BI-PART OF WOOD PANEL		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
11	2'-6" X 7'-6"	1 3/8"	WOOD PANEL		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
12	2'-0" X 6'-8"	1 3/8"	WOOD PANEL		PRIME & PAINT	SCHLAGE PASSAGE SET	NEW
13	2'-6" X 7'-6"	1 3/8"	WOOD PANEL		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
14	2'-6" X 7'-6"	1 3/8"	WOOD POCKET		PRIME & PAINT	SCHLAGE PASSAGE SET	NEW
15	6'-0" X 7'-6"	1 3/4"	PAIR OF PATIO SLIDER	TEMPERED		SCHLAGE PRIVACY SET	NEW
<b>SECOND FLOOR</b>							
16	2'-8" X 7'-6"	1 3/8"	WOOD PANEL		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
17	6'-0" X 7'-6"	1 3/8"	PAIR OF CLOSET SLIDER		PRIME & PAINT	SCHLAGE PASSAGE SET	NEW
18	2'-6" X 7'-6"	1 3/8"	WOOD PANEL		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
19	2'-6" X 7'-6"	1 3/8"	WOOD POCKET		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
20	2'-4" X 7'-6"	1 3/8"	WOOD POCKET		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
21	2'-4" X 7'-6"	1 3/8"	WOOD POCKET		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
22	5'-0" X 7'-6"	1 3/8"	BI-FOLD BI-PART OF WOOD PANEL		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
23	2'-8" X 7'-6"	1 3/8"	WOOD PANEL		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
24	6'-0" X 7'-6"	1 3/8"	PAIR OF CLOSET SLIDER		PRIME & PAINT	SCHLAGE PASSAGE SET	NEW
25	2'-6" X 7'-6"	1 3/8"	WOOD POCKET		PRIME & PAINT	SCHLAGE PASSAGE SET	NEW
26	5'-0" X 7'-6"	1 3/8"	BI-FOLD BI-PART OF WOOD PANEL		PRIME & PAINT	SCHLAGE PRIVACY SET	NEW
27	6'-0" X 7'-6"	1 3/8"	PAIR OF CLOSET SLIDER		PRIME & PAINT	SCHLAGE PASSAGE SET	NEW
28	8'-0" X 7'-6"	1 3/4"	PAIR OF PATIO SLIDER	TEMPERED		SCHLAGE PRIVACY SET	NEW

WINDOW SCHEDULE							
NO.	SIZE	TYPE	GLASS	SPEC	SILL HEIGHT	REMARKS	
<b>FIRST FLOOR</b>							
A	5'-0" x 2'-6"	FIXED GLASS	DUAL PANE	MILGARD LOW-E	ABOVE DOOR	NEW	
B	2'-0" x 5'-0"	SINGLE HUNG	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
C	2'-0" x 2'-0"	FIXED GLASS	DUAL PANE	MILGARD LOW-E	ABOVE B	NEW	
D	4'-0" x 5'-0"	FIXED GLASS	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
E	4'-0" x 2'-0"	FIXED GLASS	DUAL PANE	MILGARD LOW-E	ABOVE D	NEW	
F	2'-0" x 5'-0"	SINGLE HUNG	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
G	2'-0" x 2'-0"	FIXED GLASS	DUAL PANE	MILGARD LOW-E	ABOVE F	NEW	
H	3'-0" x 5'-0"	SINGLE HUNG	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
I	3'-0" x 2'-0"	FIXED GLASS	DUAL PANE	MILGARD LOW-E	ABOVE H	NEW	
J	6'-0" x 5'-0"	HORIZONTAL SLIDER	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
K	5'-0" x 4'-0"	GARDEN WINDOW	DUAL PANE	MILGARD LOW-E	3'-4" AFF	NEW	
L	9'-0" x 5'-0"	SINGLE HUNG	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
M	6'-0" x 5'-0"	HORIZONTAL SLIDER	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
N	6'-0" x 5'-0"	HORIZONTAL SLIDER	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
<b>SECOND FLOOR</b>							
O	5'-0" x 5'-0"	HORIZONTAL SLIDER	DUAL PANE	MILGARD LOW-E	2'-10" AFF	NEW	
P	3'-0" x 5'-0"	SINGLE HUNG	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
Q	3'-0" x 3'-0"	HORIZONTAL SLIDER	DUAL PANE, TEMPERED	MILGARD LOW-E	4'-4" AFF	NEW	
R	4'-0" x 4'-0"	HORIZONTAL SLIDER	DUAL PANE, TEMPERED	MILGARD LOW-E	3'-4" AFF	NEW	
S	6'-0" x 5'-0"	HORIZONTAL SLIDER	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
T	6'-0" x 5'-0"	HORIZONTAL SLIDER	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
U	3'-0" x 3'-0"	HORIZONTAL SLIDER	DUAL PANE, TEMPERED	MILGARD LOW-E	4'-4" AFF	NEW	
V	6'-0" x 5'-0"	HORIZONTAL SLIDER	DUAL PANE	MILGARD LOW-E	2'-4" AFF	NEW	
W							
X							
Y							
Z							

**SCOPE OF WORK:**

- 1) DEMOLISH EXISTING WHOLE HOUSE
- 2) BUILD UP NEW HOUSE
- 3) NEW ELECTRICAL SERVICE (POWER, PHONE AND/OR CABLE) SHALL BE UNDERGROUNDED
- 4) GAS METER AND WATER METER SHALL BE RELOCATED

**NOTE:**  
ALL NEW AND EXISTING UTILITIES SHALL BE PLACED UNDERGROUND WITH NO EXCEPTION.



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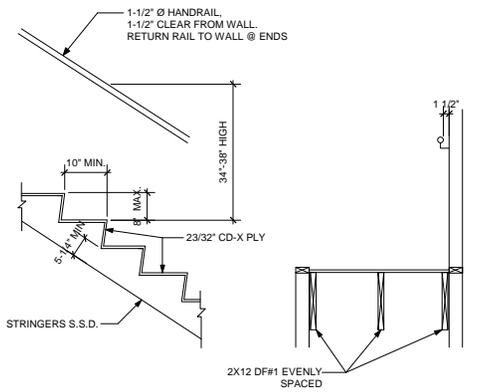
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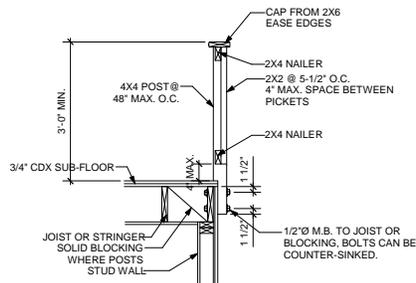
APN 403-10-026  
**(N) SITE PLAN & DOORS, WINDOWS SCHEDULE**

PLAN OF NEW HOUSE FOR  
**YONGWEI LI & CHAOYING CHEN**  
RESIDENCE  
12884 ELAM AVE  
CAMPBELL, CA 95008

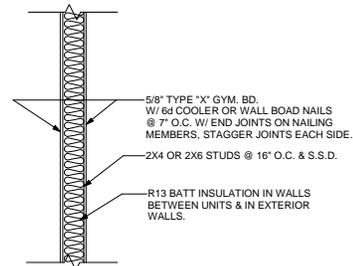
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JOB N°	0408		



**A** DETAIL - HANDRAIL TYP.



**B** DETAIL - GUARDRAIL TYP.



**NOTE:** FOR ALL OF THE CONSTRUCTION WITH GYPSUM WALLBOARD, THE JOINTS ON THE FACE LAYER ARE REINFORCED AND THE ENTIRE SURFACE IS COVERED WITH A MINIMUM OF 1/16" GYPSUM VENEER PLASTER.

**C** DETAIL - 1-HR RATED WALL TYP.

**UNDER-FLOOR AREA VENTILATION CALCULATION:**

TOTAL FIRST HOUSE ROOM UNDER-FLOOR AREA: 1,880.10 SQ. FT.  
VENTILATION AREA REQUIRED: 1,880.10 / 150 = 1,804.90 SQ. IN.  
SUBTOTAL AREA OF VENTS: 5' X 14' X 26 = 1,820 SQ. IN. > 1,804.90 SQ. IN.

**NOTE:**  
INSTALL R13 BATT. INSULATION IN EXTERIOR WALLS  
INSTALL R30 BATT. INSULATION IN ATTIC AND ROOFING  
INSTALL R19 BATT. INSULATION IN FLOOR.

WINDOWS & GLASS DOORS SHALL HAVE MAX. U VALUE OF 0.39/0.37

**INTERIOR FINISHES:**

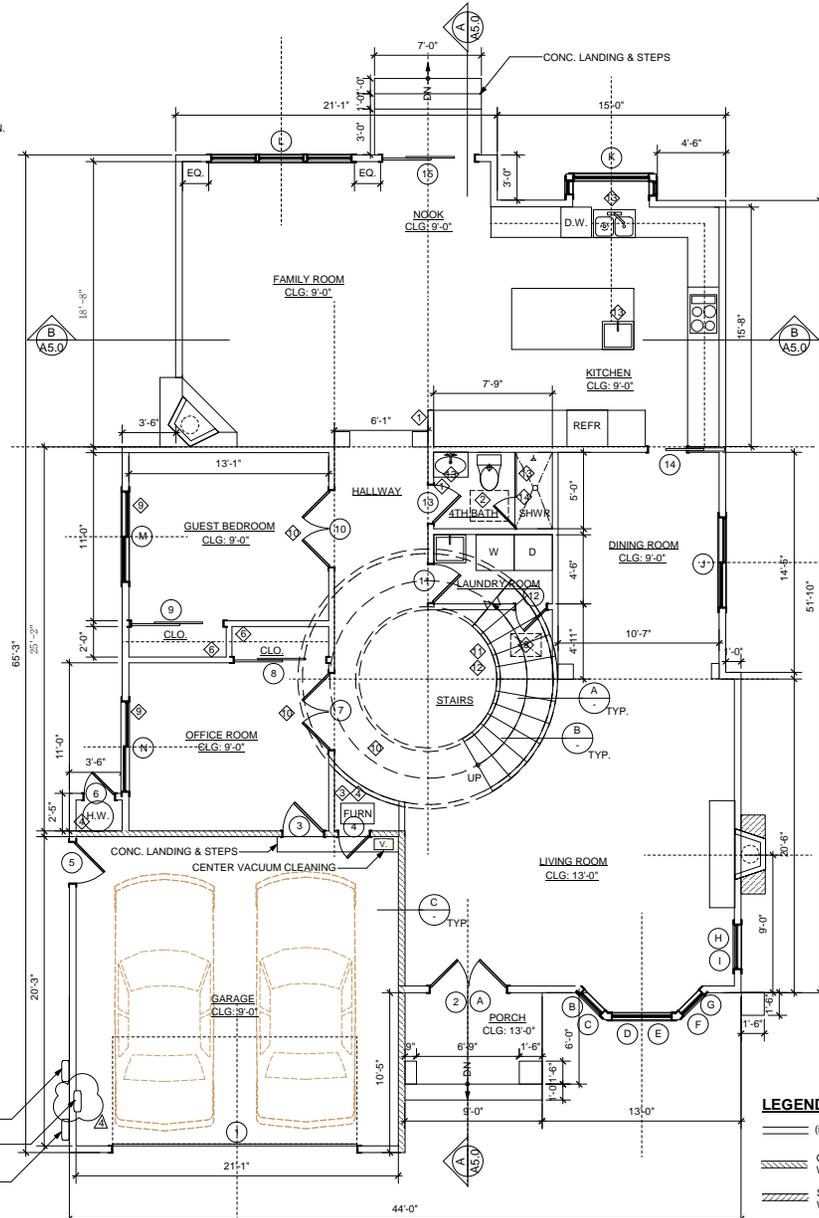
**FLOOR:**  
ALL BATHROOMS & KITCHEN TO BE MASONRY TILE OR NATURAL STONE, COLOR & STYLE T.B.D. BY THE OWNER.  
ALL OTHER AREAS TO BE WOOD FLOORING, COLOR, PATTERN & MATERIAL T.B.D. BY THE OWNER.

**WALL & CEILING:**  
BASE & FINISH COAT OVER PRIMER ON 1/2" GYPSUM WALL BOARD TAPED & SANDED, COLOR & TEXTURE T.B.D. BY THE OWNER.

**NOTE:** PROVIDE 5' X 14" UNDER-FLOOR VENTILATION OPENING @ 48" O.C. COVERED W/ CORROSION-RESISTANT WIRE MESH W/ MESH OPENING OF 1/4" IN DIMENSION TYP

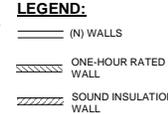
**REFERENCE NOTES:**

- 1 HIGH EFFICACY LIGHT FIXTURE OR W/ OCCUPANT SENSOR READILY ACCESSIBLE
- 2 APPROVED EXHAUST FAN, 80 CFM, 5 AIR-CHANGES/HOUR MIN. DUCT TO EXTERIOR PER U.M.C.
- 3 PROVIDE EXHAUST & COMBUSTION AIR VENT PER U.M.C.
- 4 FURNACE & WATER HEATER SHALL BE STRAP TO WALL & PLACE ON A PLATFORM 18" MIN. ABOVE GARAGE FINISH FLOOR
- 5 BATTERY POWERED SMOKE DETECTOR OR CARBON-MONOXIDE ALARM
- 6 WARDROBE SHELF & POLE UNIT, POLE UP 5'-6" ABOVE FINISH FLOOR ELEV.
- 7 ATTIC ACCESS PER CBC SECTION 1209.2 20"X30" & PROVIDE MIN. 30" OF UNOBSTRUCTED HEADROOM ABOVE ACCESS OPENING
- 8 UNDER-FLOOR ACCESS 18"X24" PER CBC SECTION 1209.1
- 9 EGRESS WINDOW PER CBC SECTION 1026
- 10 HARD-WIRED SMOKE DETECTOR OR CARBON-MONOXIDE ALARM BACKUP BATTERY TO BE INSTALLED PER CBC SECTION 907.2.10.1.2
- 11 1 1/2" Ø HANDRAIL UP 34"-38" ABOVE NOSE OF TREAD, 1 1/2" CLR FROM WALL, RETURN ENDS TO WALL & PROVIDE EXTENSIONS PER CBC SECTION 1012
- 12 36" HIGH GUARDRAIL TYP. & COMPLY W/ CBC SECTION 0113.3
- 13 ALL SURFACES SUBJECT TO WATERPLASH SHALL HAVE WATER RESISTANT SURFACES, SUCH AS TILE, PROTECT FRAMING WITH BARRIER SUCH AS H.M. FELT OF EQUAL
- 14 GLASS SHOWER ENCLOSURE SHALL BE SAFETY GLAZED



**FIRST FLOOR PLAN**

SCALE: 1/4" = 1'-0"



NOTE: NORTH ROTATED

REVISIONS	DATE
1. PRELIMINARY SET	04-08-13
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3. REVISED Per PLAN REVIEW COMMENTS	01-12-14
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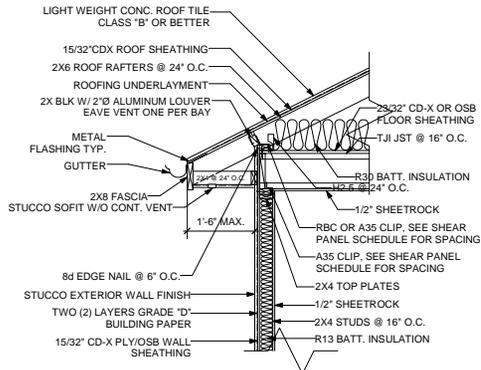
**TIGER BUILDERS, INC.**  
ARCHITECTURAL & ENGINEERING SERVICES  
5905 DIAL WAY  
SAN JOSE, CA 95129  
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Cell: (408) 391-1128  
Fax: (408) 865-1816  
yongwei\_li@hotmail.com

**YONGWEI LI**  
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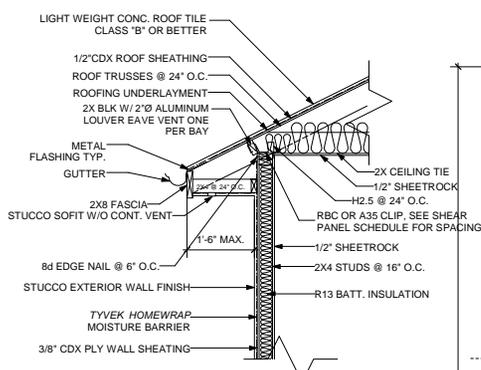
APN 403-10-026  
**FIRST FLOOR PLAN & DETAILS**

**PLAN OF NEW HOUSE FOR**  
**YONGWEI LI & CHAOYING CHEN**  
**RESIDENCE**  
1284 ELAM AVE  
CAMPBELL, CA 95008

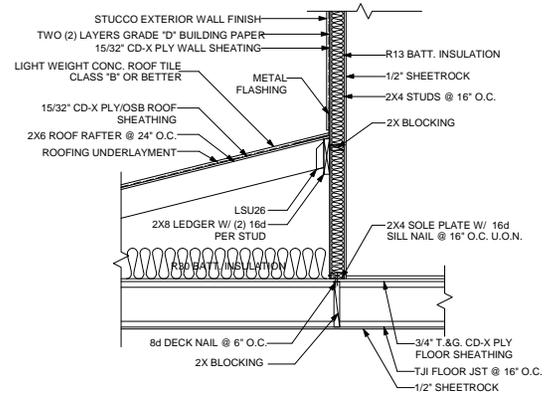
DATE	04-08-2013	SHEET N°	A2.0
JOB N°	0408		



**A** **DETAIL - ROOF & WALL INTERSECTION TYP.**  
SCALE: 3/4" = 1'-0"

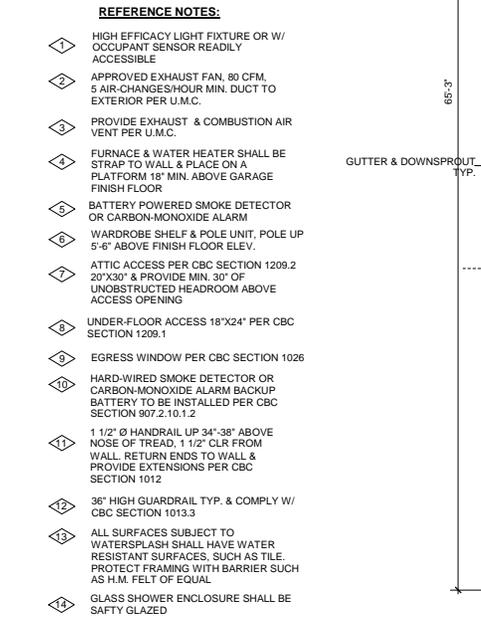


**B** **DETAIL - SHEAR TRANSFER TYP.**  
SCALE: 3/4" = 1'-0"



**C** **DETAIL - EAVE FRAMAING @ KITCHEN**  
SCALE: 3/4" = 1'-0"

NOTE: 15/32" CD-X PLYWOOD WALL SHEATHING SHALL SPAN OVER FLOOR & WALL INTERSECTION.



**D** **DETAIL - (N) EAVE TYP.**  
SCALE: 3/4" = 1'-0"

**REFERENCE NOTES:**

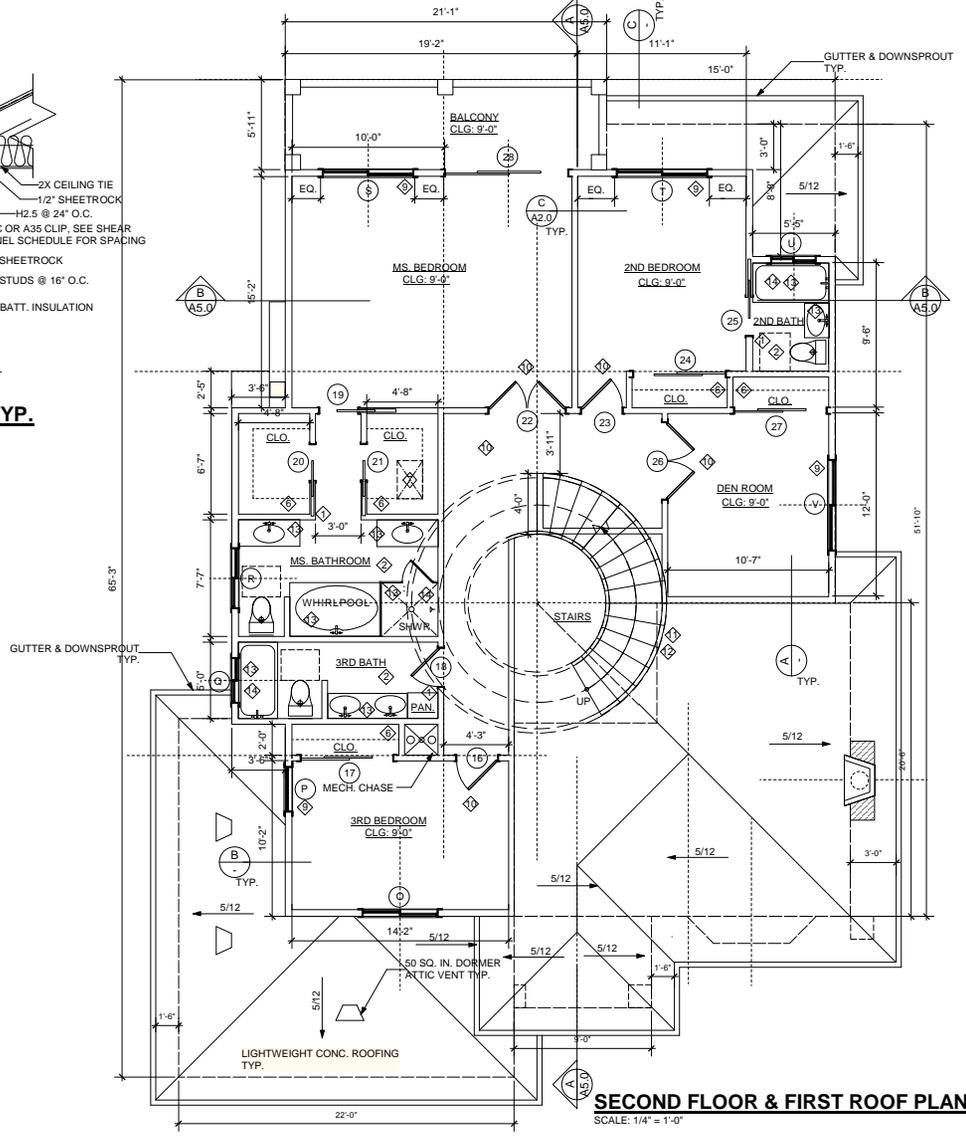
- 1 HIGH EFFICACY LIGHT FIXTURE OR W/ OCCUPANT SENSOR READILY ACCESSIBLE
- 2 APPROVED EXHAUST FAN, 80 CFM, 5 AIR-CHANGES/HOUR MIN. DUCT TO EXTERIOR PER U.M.C.
- 3 PROVIDE EXHAUST & COMBUSTION AIR VENT PER U.M.C.
- 4 FURNACE & WATER HEATER SHALL BE STRAP TO WALL & PLACE ON A PLATFORM 18" MIN. ABOVE GARAGE FINISH FLOOR
- 5 BATTERY POWERED SMOKE DETECTOR OR CARBON MONOXIDE ALARM
- 6 WARDROBE SHLF & POLE UNIT, POLE UP 5'-6" ABOVE FINISH FLOOR ELEV.
- 7 ATTIC ACCESS PER CBC SECTION 1209.2 20"x30" & PROVIDE MIN. 30" OF UNOBSTRUCTED HEADROOM ABOVE ACCESS OPENING
- 8 UNDER-FLOOR ACCESS 18"x24" PER CBC SECTION 1209.1
- 9 EGRESS WINDOW PER CBC SECTION 1026
- 10 HARD-WIRED SMOKE DETECTOR OR CARBON-MONOXIDE ALARM BACKUP BATTERY TO BE INSTALLED PER CBC SECTION 907.2.10.1.2
- 11 1 1/2" Ø HANDRAIL UP 34'-38" ABOVE NOSE OF TREAD, 1 1/2" CLR FROM WALL, RETURN ENDS TO WALL & PROVIDE EXTENSIONS PER CBC SECTION 1012
- 12 36" HIGH GUARDRAIL TYP. & COMPLY W/ CBC SECTION 1013.3
- 13 ALL SURFACES SUBJECT TO WATERSPLASH SHALL HAVE WATER RESISTANT SURFACES, SUCH AS TILE. PROTECT FRAMING WITH BARRIER SUCH AS H.M. FELT OF EQUAL
- 14 GLASS SHOWER ENCLOSURE SHALL BE SAFETY GLAZED

**ROOF VENTILATION CALCULATION:**

1. TOTAL GARAGE ATTIC AREA: 470.82 SQ. FT.  
TOTAL VENTILATION AREA REQUIRED: 470.82 SQ. FT. / 300 = 226.0 SQ. IN.  
TOTAL AREA OF DORMER 50 SQ. IN. VENT = 50 X 3 = 150 SQ. IN. > 113.0 SQ. IN.  
TOTAL AREA OF EAVE VENTS: 36 X 3.14 = 113.1 SQ. IN. > 113.0 SQ. IN.

2. TOTAL SECOND ROOM AREA: 1,369.74 SQ. FT.  
TOTAL VENTILATION AREA REQUIRED: 1,369.74 SQ. FT. / 300 = 675.48 SQ. IN.  
TOTAL AREA OF DORMER 50 SQ. IN. VENT = 50 X 7 = 350 SQ. IN. > 328.74 SQ. IN.  
TOTAL AREA OF EAVE VENTS: 105 X 3.14 = 329.70 SQ. IN. > 328.74 SQ. IN.

NOTE: PROVIDE 2" ALUMINUM LOUVER EAVE VENTS @ 24" O.C. OR ONE (1) PER RAFTER BAY TYP.



**SECOND FLOOR & FIRST ROOF PLAN**  
SCALE: 1/4" = 1'-0"

**INTERIOR FINISHES:**  
FLOOR:  
ALL BATHROOMS & KITCHEN TO BE MASONRY TILE OR NATURAL STONE, COLOR & STYLE T.B.D. BY THE OWNER.  
ALL OTHER AREAS TO BE WOOD FLOORING, COLOR, PATTERN & MATERIAL T.B.D. BY THE OWNER.

**NOTE:**  
INSTALL R13 BATT. INSULATION IN EXTERIOR WALLS  
INSTALL R30 BATT. INSULATION IN ATTIC AND ROOFING  
INSTALL R19 BATT. INSULATION IN FLOOR.

WINDOWS & GLASS DOORS SHALL HAVE MAX. U VALUE OF 0.30/0.37

- LEGEND:**
- (N) WALLS
  - ONE-HOUR RATED WALL
  - SOUND INSULATION WALL



REVISIONS	DATE
1. PRELIMINARY SET	04-08-13
2. PERMIT SET	07-25-13
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APN 403-10-026

**SECOND FLOOR & FIRST ROOF PLAN**

PLAN OF NEW HOUSE FOR

**YONGWEI LI & CHAOYING CHEN**  
RESIDENCE  
1284 ELAM AVE  
CAMPBELL, CA 95008

DATE	04-08-2013	SHEET N°	A2.1
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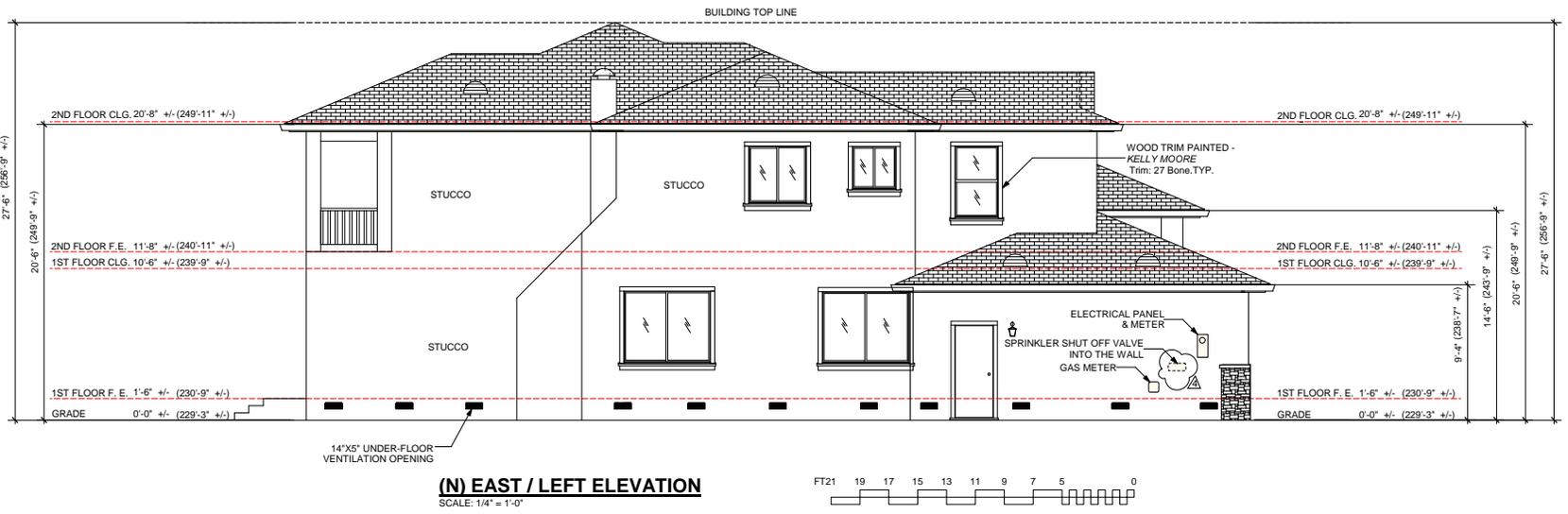
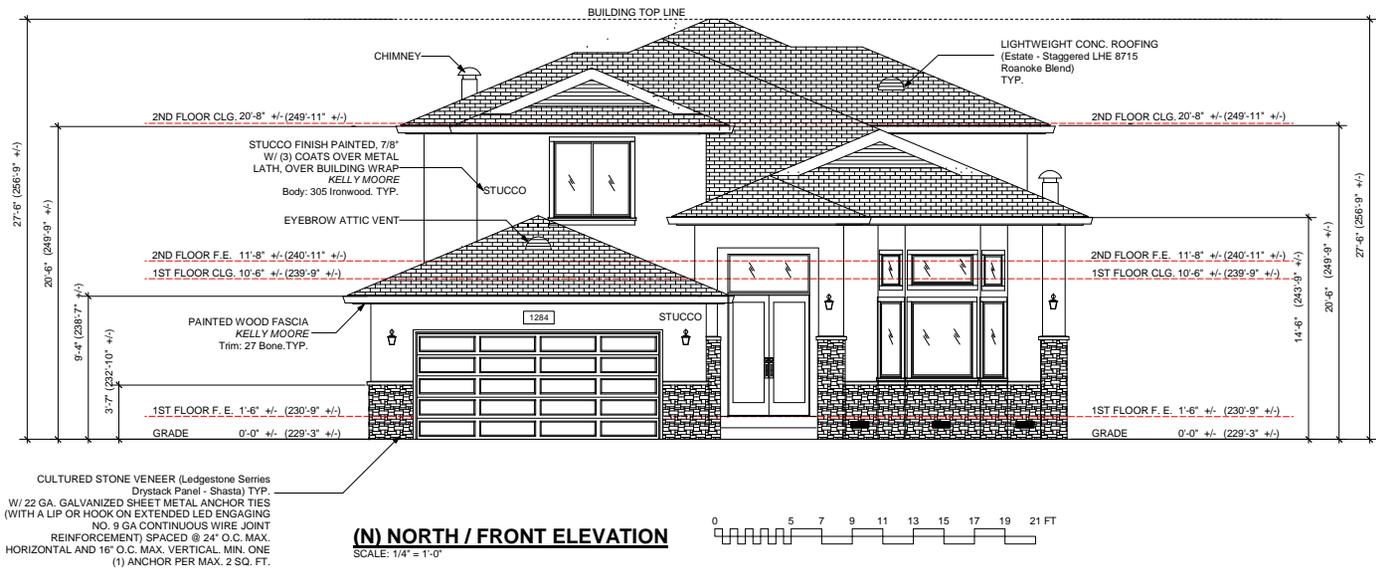
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APN 403-10-026  
 (N) ELEVATIONS (N, E)

PLAN OF NEW HOUSE FOR  
**YONGWEILI & CHAOYING CHEN**  
 RESIDENCE  
 1284 ELAM AVE  
 CAMPBELL, CA 95008

DATE	04-08-2013	SHEET N°	<b>A4.0</b>
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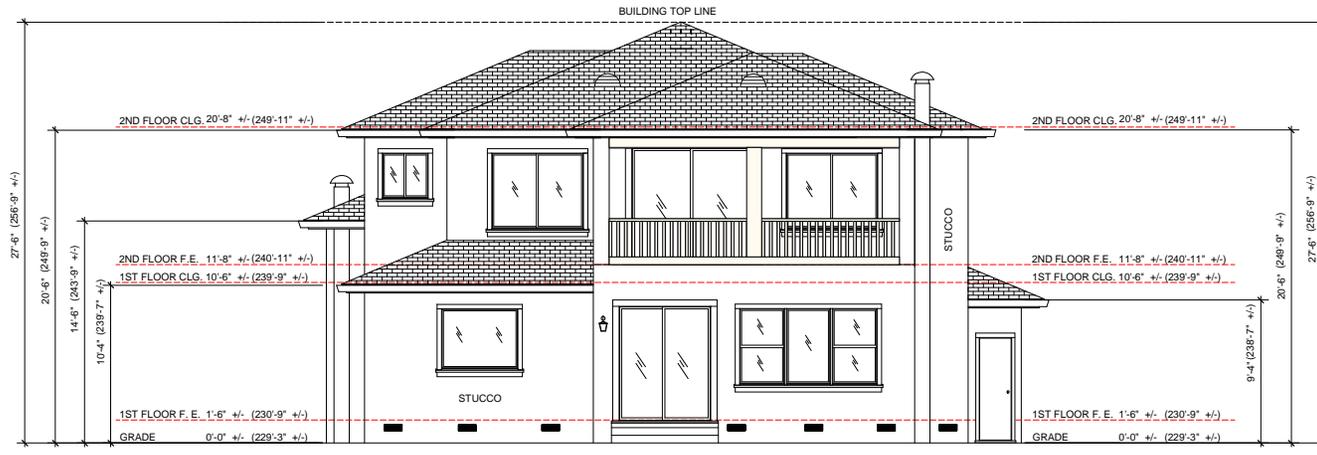
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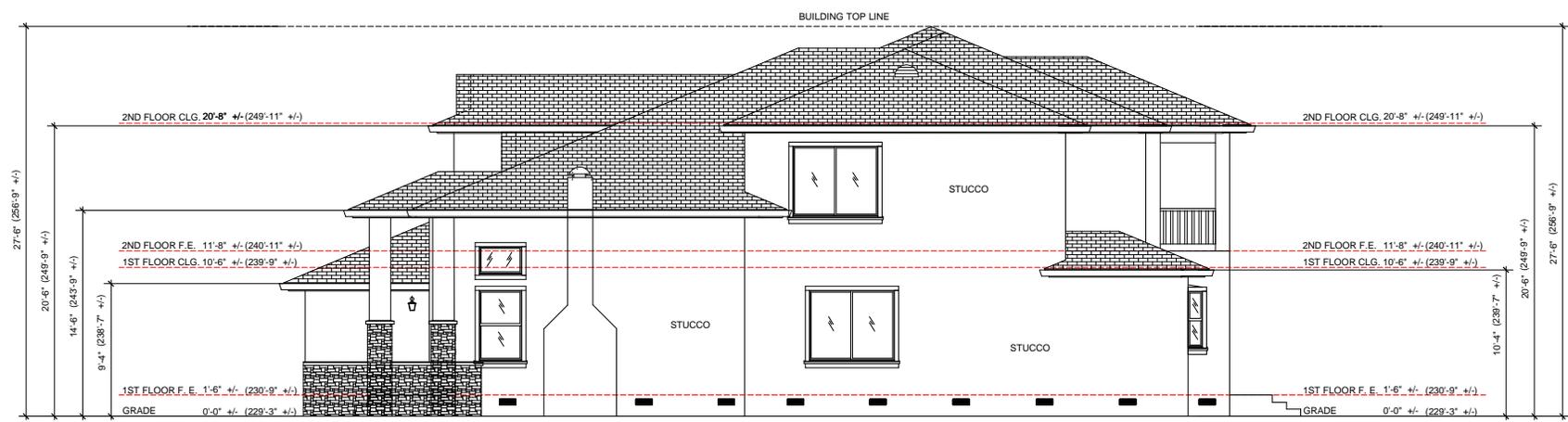
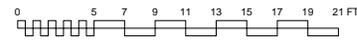
APN 403-10-026  
 (N) ELEVATIONS (S, W)

PLAN OF NEW HOUSE FOR  
**YONGWEI LI & CHAOYING CHEN**  
 RESIDENCE  
 1284 ELAM AVE  
 CAMPBELL, CA 95008

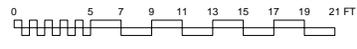
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**(N) SOUTH / REAR ELEVATION**  
 SCALE: 1/4" = 1'-0"



**(N) WEST / RIGHT ELEVATION**  
 SCALE: 1/4" = 1'-0"



# GRADING AND DRAINAGE NOTES

- CALIFORNIA BUILDING CODE**  
ALL WORK SHALL COMPLY WITH THE 2010 CALIFORNIA BUILDING CODE.
- O.S.H.A. REGULATIONS**  
ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE O.S.H.A. REGULATIONS.
- GEOTECHNICAL (SOILS) REPORT**  
THE ENGINEER OF WORK HAS DESIGNED THIS PROJECT TO COMPLY WITH THE GRADING RECOMMENDATIONS IN THE PROJECT GEOTECHNICAL (SOILS) REPORT PREPARED BY \_\_\_\_\_ DATED \_\_\_\_\_

- SPECIFICATIONS AND OBSERVATIONS**  
ALL GRADING AND DRAINAGE WORK SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREON. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOILS ENGINEER OR ENGINEER OF WORK. THE SOILS ENGINEER/ENGINEER OF WORK AND CITY (866-2150) SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING. UNAPPROVED GRADING WORK SHALL BE REMOVED AND REPLACED UNDER OBSERVATION.

- NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM**  
PRIOR TO ISSUANCE OF ANY GRADING OR BUILDING PERMITS, THE APPLICANT SHALL COMPLY WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITTING REQUIREMENTS AND THE CALIFORNIA STORM WATER BEST MANAGEMENT PRACTICES HANDBOOK PREPARED BY THE STORM WATER QUALITY TASK FORCE, SANTA CLARA VALLEY WATER DISTRICT AND THE CITY OF CAMPBELL MUNICIPAL CODE REGARDING STORM WATER POLLUTION PREVENTION.

- LOCAL NON-POINT SOURCE ORDINANCE**  
COMPLIANCE WITH THE LOCAL NON-POINT SOURCE ORDINANCE CONCERNING DISCHARGE OF MATERIALS TO THE STORM DRAINAGE SYSTEM SHALL BE THE RESPONSIBILITY OF THE GRADING CONTRACTOR.

- UNDERGROUND UTILITIES AND STRUCTURES**  
THE EXISTENCE AND APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN ON THESE PLANS WERE DETERMINED BY THE ENGINEER OF WORK BY SEARCHING THE AVAILABLE PUBLIC RECORDS. THEY ARE SHOWN FOR GENERAL INFORMATION ONLY. THE CITY OF CAMPBELL MAKES NO CLAIMS OF THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY UTILITY LOCATIONS WITH THE APPROPRIATE AGENCY. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES, STRUCTURES AND ANY OTHER IMPROVEMENTS FOUND AT THE WORK SITE.

- EROSION CONTROL**  
EROSION CONTROL PLANTING AND OTHER SILT RETENTION OR EROSION CONTROL MEASURES MAY BE REQUIRED IN ALL GRADED AREAS. SEE LANDSCAPE PLAN, IF APPLICABLE, FOR DETAILS OF PLANTING.

- UTILITY ELEVATION VERIFICATION**  
THE CONTRACTOR SHALL VERIFY ALL EXISTING INVERT ELEVATIONS FOR DISCREPANCIES EXIST BETWEEN THE ACTUAL ELEVATIONS AND STORM DRAIN CONSTRUCTION PRIOR TO ANY SITE WORK. SHOULD LOCATIONS OF EXISTING STORM DRAIN CONNECTIONS AND THOSE AS SHOWN ON THESE PLANS, THE CONTRACTOR SHALL NOTIFY ENGINEER OF WORK BEFORE ADJUSTING THE DESIGN.

- UTILITY CROSSINGS**  
THE CONTRACTOR SHALL UNCOVER AND EXPOSE ALL EXISTING UTILITY, SEWER AND STORM DRAIN LINES WHERE THEY ARE TO BE CROSSED ABOVE OR BELOW BY THE NEW FACILITY BEING CONSTRUCTED IN ORDER TO VERIFY THE GRADE AND TO ASSURE THERE IS SUFFICIENT CLEARANCE. HE OR SHE SHALL CALL THE ENGINEER OF WORK REGARDING POTENTIAL CONFLICTS BEFORE FIELD WORK BEGINS.

- GRADING REQUIREMENTS**  
DRAINAGE, INCLUDING ALL ROOF AND PATIO DRAINS, SHALL BE DIRECTED AWAY FROM THE STRUCTURE. IT SHALL BE THE OWNER'S AND CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE DRAINAGE SYSTEM FACILITIES SHOWN HEREON ARE KEPT CLEAR OF OBSTRUCTIONS AND THE CONTRACTOR SHALL REGRADE AREAS THAT WILL NOT DRAIN AFTER FINAL GRADING. THE GROUND ADJACENT TO THE BUILDING SHALL SLOPE AWAY WITH A MINIMUM SLOPE OF 2% FOR AT LEAST 5 FEET. MINIMUM SLOPE IN ALL OTHER CASES SHALL BE NO LESS THAN 1%.

- GRADED SITE ELEVATIONS**  
ON GRADED SITES, THE TOP OF ANY EXTERIOR FOUNDATION SHALL EXTEND ABOVE THE ELEVATION OF THE STREET GUTTER AT POINT OF DISCHARGE OR THE INLET OF AN APPROVED DRAINAGE DEVICE A MINIMUM OF 12 INCHES (305 MM) PLUS 2 PERCENT. THE BUILDING OFFICIAL MAY APPROVE ALTERNATE ELEVATIONS, PROVIDED IT CAN BE DEMONSTRATED THAT REQUIRED DRAINAGE TO THE POINT OF DISCHARGE AND AWAY FROM THE STRUCTURE IS PROVIDED AT ALL LOCATIONS ON THE SITE.

- CLEAN, SAFE AND USABLE PUBLIC RIGHT-OF-WAY AND PRIVATE PROPERTY**  
THE PERMITTEE SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

- TOPOGRAPHY SURVEY**  
THE TOPOGRAPHY SURVEY MADE BY LC ENGINEERING ON OCTOBER 21, 2013

- TREE REMOVAL AND PRESERVATION**  
THIS PLAN DOES NOT APPROVE REMOVAL OF TREES. APPROPRIATE TREE REMOVAL PERMITS AND METHOD OF TREE PRESERVATION SHOULD BE OBTAINED FROM THE PLANNING DIVISION.

- PROJECT PLANS**  
THIS PLAN IS A PART OF PROJECT PLANS. SEE ARCHITECT AND LANDSCAPE PLANS, IF APPLICABLE, FOR DETAILS AND DIMENSIONS. FENCES AND WALLS ARE NOT A PART OF THESE PLANS.

- FINAL LETTER OF INSPECTION**  
THE SOILS ENGINEER OR ENGINEER OF WORK SHALL PROVIDE FINAL LETTER OF INSPECTION AT COMPLETION OF THE GRADING.

- GRADE EVENLY**  
THE CONTRACTOR SHALL GRADE EVENLY BETWEEN SPOT ELEVATIONS SHOWN.

- APPROVAL OF PLANS**  
APPROVAL OF THIS PLAN APPLIES ONLY TO THE EXCAVATION, PLACEMENT, AND COMPACTION OF NATURAL EARTH MATERIALS. THIS APPROVAL DOES NOT CONFER ANY RIGHTS OF ENTRY TO EITHER PUBLIC PROPERTY OR THE PRIVATE PROPERTY OF OTHERS. APPROVAL OF THIS PLAN ALSO DOES NOT CONSTITUTE APPROVAL OF ANY IMPROVEMENTS. PROPOSED IMPROVEMENTS ARE SUBJECT TO REVIEW AND APPROVAL BY THE RESPONSIBLE AUTHORITIES AND ALL OTHER REQUIRED PERMITS SHALL BE OBTAINED.

- WELL LOCATIONS**  
ALL KNOWN WELL LOCATIONS ON THE SITE HAVE BEEN INCLUDED AND SUCH WELLS SHALL BE MAINTAINED OR ABANDONED ACCORDING TO CURRENT REGULATIONS ADMINISTERED BY THE SANTA CLARA VALLEY WATER DISTRICT. CALL (408) 265-2600 EXTENSION 382 TO ARRANGE FOR DISTRICT OBSERVATIONS OF ALL WELL ABANDONMENTS.

- EARTHWORK QUANTITIES**  
THE EARTHWORK QUANTITIES SHOWN ON THESE PLANS ARE ONLY TO BE USED TO DETERMINE THE GRADING PLAN REVIEW AND PERMIT FEES.

- ELEVATION ADJUSTMENTS**  
ADJUSTMENTS OF PADS OR PARKING LOT ELEVATIONS TO ACHIEVE EARTHWORK BALANCE SHALL BE MADE ONLY WITH APPROVAL OF THE ENGINEER OF WORK AND THE CITY OF CAMPBELL BUILDING DIVISION.

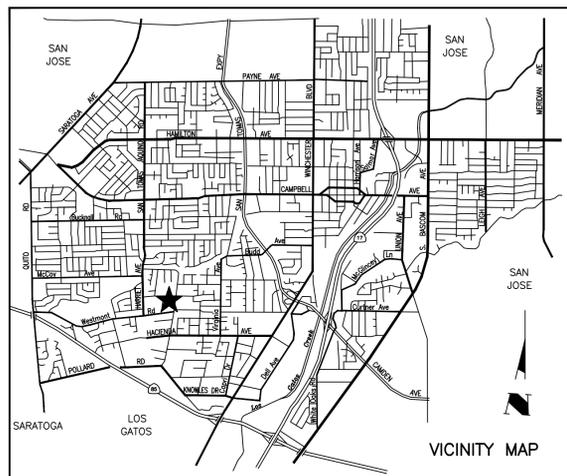
- TRUCK ROUTE**  
THE TRUCK ROUTE SHALL BE \_\_\_\_\_

# GRADING & DRAINAGE PLANS

PROJECT ADDRESS: 1284 ELAM AVENUE  
BUILDING PERMIT NO. \_\_\_\_\_ - \_\_\_\_\_  
ASSESSORS PARCEL NO. 403-10-026



## CITY OF CAMPBELL COMMUNITY DEVELOPMENT DEPARTMENT & BUILDING DIVISION



### INDEX OF DRAWINGS

TITLE	SHEET
TITLE SHEET	1
GRADING, DRAINAGE PLAN AND BUILDING CROSS SECTIONS	2
EROSION CONTROL PLAN	3
BLUE PRINT FOR A CLEAN BAY	4

### ABBREVIATIONS

AB	AGGREGATE BASE	LOL	LAYOUT LINE
AC	ASPHALT CONCRETE	MAX	MAXIMUM
BC	BEGIN CURVE	MH	MANHOLE
BCR	BEGIN CURB RETURN	MIN	MINIMUM
CL	CLASS	OG	ORIGINAL GRADE
DIA	DIAMETER	PB	PULL BOX
DWY	DRIVEWAY	PCC	PORTLAND CEMENT CONCRETE
EC	END CURVE	PVC	POLYVINYL CHLORIDE
ECR	END CURB RETURN	R	RADIUS
ED	EDGE DRAIN	RCP	REINFORCED CONCRETE PIPE
EX	EXISTING	R/W	RIGHT-OF-WAY
FC	FACE OF CURB	STA	STATION
FG	FINISH GRADE	SW	SIDEWALK
FH	FIRE HYDRANT	TC	TOP OF CURB
INV	INVERT	TEMP	TEMPORARY
IRR	IRRIGATION	TYP	TYPICAL

### LEGEND

	EXISTING	PROPOSED
SIDEWALK, CURB AND GUTTER		
CENTER LINE		
PROPERTY LINE		
EDGE OF PAVEMENT		
DRIVEWAY		
PCC OR AC REMOVAL		
STANDARD CITY MONUMENT		
BENCH MARK		
MANHOLE		
STORM DRAIN INLET		
WATER METER		
VALVE		
FIRE HYDRANT		
STREET LIGHT		
POWER POLE		
PULL BOX		
CABLE TELEVISION LINE		
ELECTRICAL LINE		
IRRIGATION LINE		
NATURAL GAS LINE		
OVERHEAD LINE		
SANITARY SEWER LINE		
STORM DRAIN LINE		
TELEPHONE LINE		
WATER LINE		
TRAFFIC SIGNAL CONDUIT		
LIGHTING CONDUIT		
ROADSIDE SIGN & SIGN CODE		
FENCE		
TREE/SHRUB		

- CONTRACTOR RESPONSIBILITIES**  
THE SOILS ENGINEER AND/OR ENGINEER OF WORK WILL NOT DIRECTLY CONTROL THE PHYSICAL ACTIVITIES OF THE CONTRACTOR OR ANY SUBCONTRACTORS OF THE CONTRACTOR OR SUBCONTRACTOR'S WORKMEN'S ACCOMPLISHMENT OF WORK ON THE PROJECT. CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR WORKING CONDITIONS ON THE JOBSITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

- NEAT AND CLEAN PREMISES**  
DURING THE PROGRESS OF THE WORK, THE CONTRACTOR SHALL KEEP THE PREMISES OCCUPIED BY HIM IN A NEAT AND CLEAN CONDITION, DISPOSING OF REFUSE IN A SATISFACTORY MANNER AS OFTEN AS DIRECTED, OR AS MAY BE NECESSARY SO THAT THERE SHALL AT NO TIME BE ANY UNSIGHTLY ACCUMULATION OF RUBBISH.

- ANY ABANDONED UNDERGROUND PIPES**  
ANY ABANDONED UNDERGROUND PIPES EXPOSED DURING CONSTRUCTION SHALL BE REMOVED ADEQUATELY PLUGGED, OR A COMBINATION OF BOTH IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF CAMPBELL, BUILDING DIVISION.

- HUMAN REMAINS**  
IF HUMAN REMAINS ARE DISCOVERED DURING THE CONSTRUCTION, UNLESS THE CORONER HAS NOTIFIED THE PERMITTEE IN WRITING THAT THE REMAINS DISCOVERED HAVE BEEN DETERMINED NOT TO BE NATIVE AMERICAN, THE PERMITTEE SHALL NOTIFY ALL PERSONS ON THE CITY'S NATIVE AMERICAN NOTIFICATION LIST OF SUCH DISCOVERY. SUCH NOTIFICATION SHALL BE SENT BY FIRST CLASS U.S. MAIL WITHIN SEVEN (7) DAYS OF THE DATE ON WHICH THE PERMITTEE NOTIFIED THE CORONER AND SHALL STATE THAT THE CORONER HAS BEEN NOTIFIED IN ACCORDANCE WITH CALIFORNIA STATE LAW.

- MAINTENANCE PROCEDURES**  
THE CONTRACTOR SHALL ADVISE THE OWNER OF APPROPRIATE MAINTENANCE PROCEDURES OF THE DRAINAGE SYSTEMS.

### 29. DUST CONTROL

ALL EXPOSED OR DISTURBED SOIL SURFACES SHALL BE WATERED AS NECESSARY, BUT NOT LESS THAN TWICE DAILY TO CONTROL DUST. AREAS OF DIGGING AND GRADING OPERATIONS SHALL BE CONSISTENTLY WATERED TO CONTROL DUST. GRADING OR OTHER DUST-PRODUCING ACTIVITIES SHALL BE SUSPENDED DURING PERIODS OF HIGH WIND WHEN DUST IS READILY VISIBLE IN THE AIR. STOCKPILES OF SOIL, DEBRIS, SAND, OR OTHER DUST-PRODUCING MATERIALS SHALL BE WATERED OR COVERED. THE CONSTRUCTION AREA AND THE SURROUNDING STREETS SHALL BE SWEEPED (NO WATER) AS NECESSARY, BUT NOT LESS THAN TWICE DAILY.

### 30. CONSTRUCTION MITIGATION MEASURE

HOURS OF CONSTRUCTION SHALL BE LIMITED TO 8:00 A.M. TO 5:00 P.M. MONDAY THROUGH FRIDAY, AND 9:00 A.M. TO 4:00 P.M. ON SATURDAY. CONSTRUCTION ACTIVITIES SHALL NOT TAKE PLACE ON SUNDAYS AND HOLIDAYS.

### AGENCY INDEX

SANTA CLARA COUNTY FIRE DEPARTMENT	(408) 378-4010
CITY OF CAMPBELL - PUBLIC WORKS	(408) 866-2150
CITY OF CAMPBELL - POLICE	(408) 866-2121
SBC TELEPHONE	(408) 811-3900
PACIFIC GAS & ELECTRIC	(408) 973-8980
SAN JOSE WATER COMPANY	(408) 279-7900
SANTA CLARA VALLEY WATER DISTRICT	(408) 265-2600
COMCAST CABLE TELEVISION	(408) 452-9100
WEST VALLEY SANITATION DISTRICT	(408) 378-2407

THESE PLANS HAVE BEEN REVIEWED AND FOUND TO BE IN SUBSTANTIAL CONFORMANCE WITH THE INTENT AND PURPOSE OF THE GEOTECHNICAL EXPLORATION REPORT ON \_\_\_\_\_ IN CAMPBELL, CALIFORNIA. PROJECT NO. \_\_\_\_\_ PREPARED BY \_\_\_\_\_

NAME \_\_\_\_\_ DATE \_\_\_\_\_  
G.E. # \_\_\_\_\_

**CITY OF CAMPBELL  
PUBLIC WORKS DEPARTMENT CLEARANCE**

THIS PLAN WITH ATTACHED DOCUMENTS HAS BEEN REVIEWED FOR COMPLIANCE WITH THE CITY OF CAMPBELL AND STATE OF CALIFORNIA CODES AND THE CURRENT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. THIS PLAN SHALL NOT BE CHANGED OR MODIFIED WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. WORK PERFORMED RELATED TO THIS PLAN SHALL BE DONE IN ACCORDANCE WITH THIS PLAN AND ALL APPLICABLE CODES. THIS APPROVAL SHALL NOT BE HELD TO PERMIT OR UNDERSTOOD AS TO BE AN APPROVAL OF A VIOLATION OF ANY CITY OR STATE LAW.

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

### SEAL OF ENGINEER OF WORK:

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODES, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

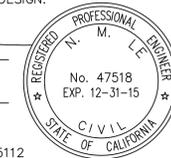
THE DESIGN SHOWN HEREON IS NECESSARY AND REASONABLE AND DOES NOT RESTRICT ANY HISTORIC DRAINAGE FLOWS FROM ADJACENT PROPERTIES NOR INCREASE DRAINAGE TO ADJACENT PROPERTIES.

THE DESIGN INCLUDES PRINCIPLES AND TECHNIQUES TO REDUCE QUANTITY AND IMPROVE THE QUALITY OF STORM WATER RUNOFF, AS REQUIRED BY NPDES.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF CAMPBELL IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

SIGNATURE \_\_\_\_\_ 47518 P.E.  
PRINT \_\_\_\_\_ NINH LE

LC ENGINEERING  
1291 OAKLAND ROAD, SAN JOSE, CA 95112  
PHONE : (408) 806-7187



Chkd By \_\_\_\_\_ Date \_\_\_\_\_ Revision \_\_\_\_\_ No. \_\_\_\_\_

Date: 12/10/13 Drawn By: IPT Designed By: QB

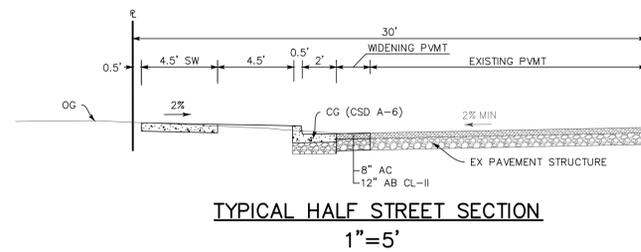
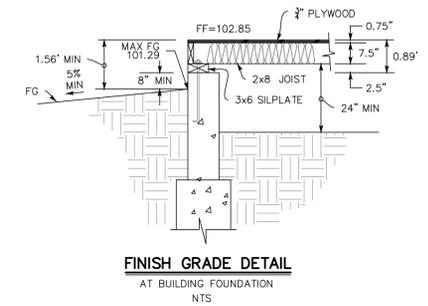
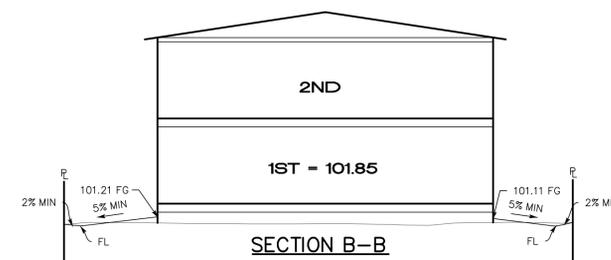
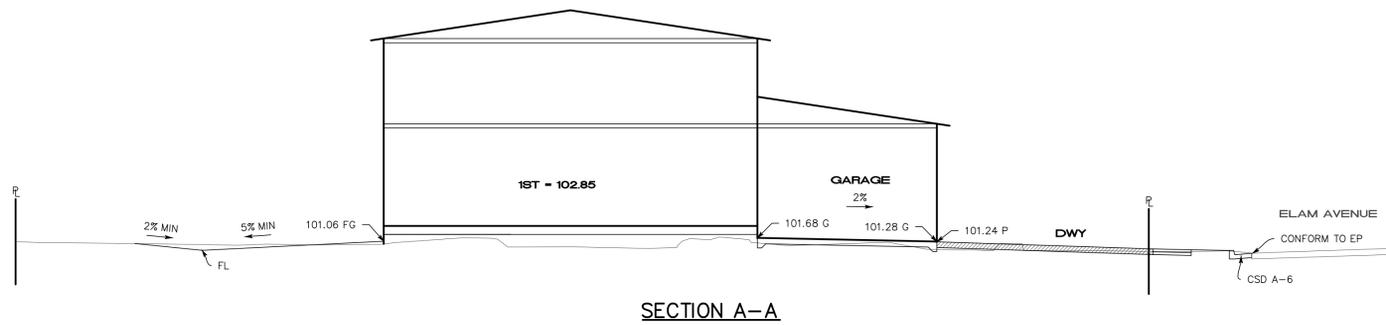
**LC ENGINEERING**  
1291 Oakland Road  
San Jose, CA 95112  
Phone: (408) 806-7187  
Fax: (408) 368-4006

**TITLE SHEET**  
1284 ELAM AVENUE  
BUILDING PERMIT NO. \_\_\_\_\_

**CAMPBELL, CALIFORNIA**

SCALE: N.T.S.

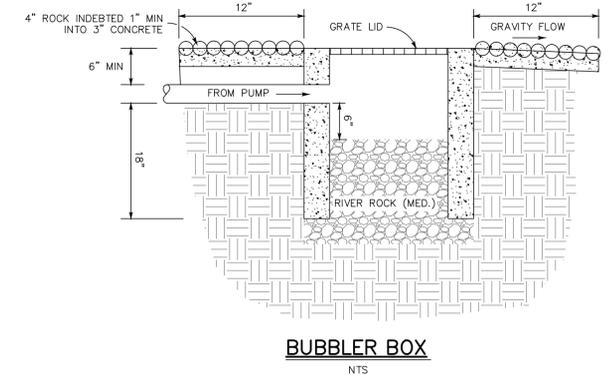
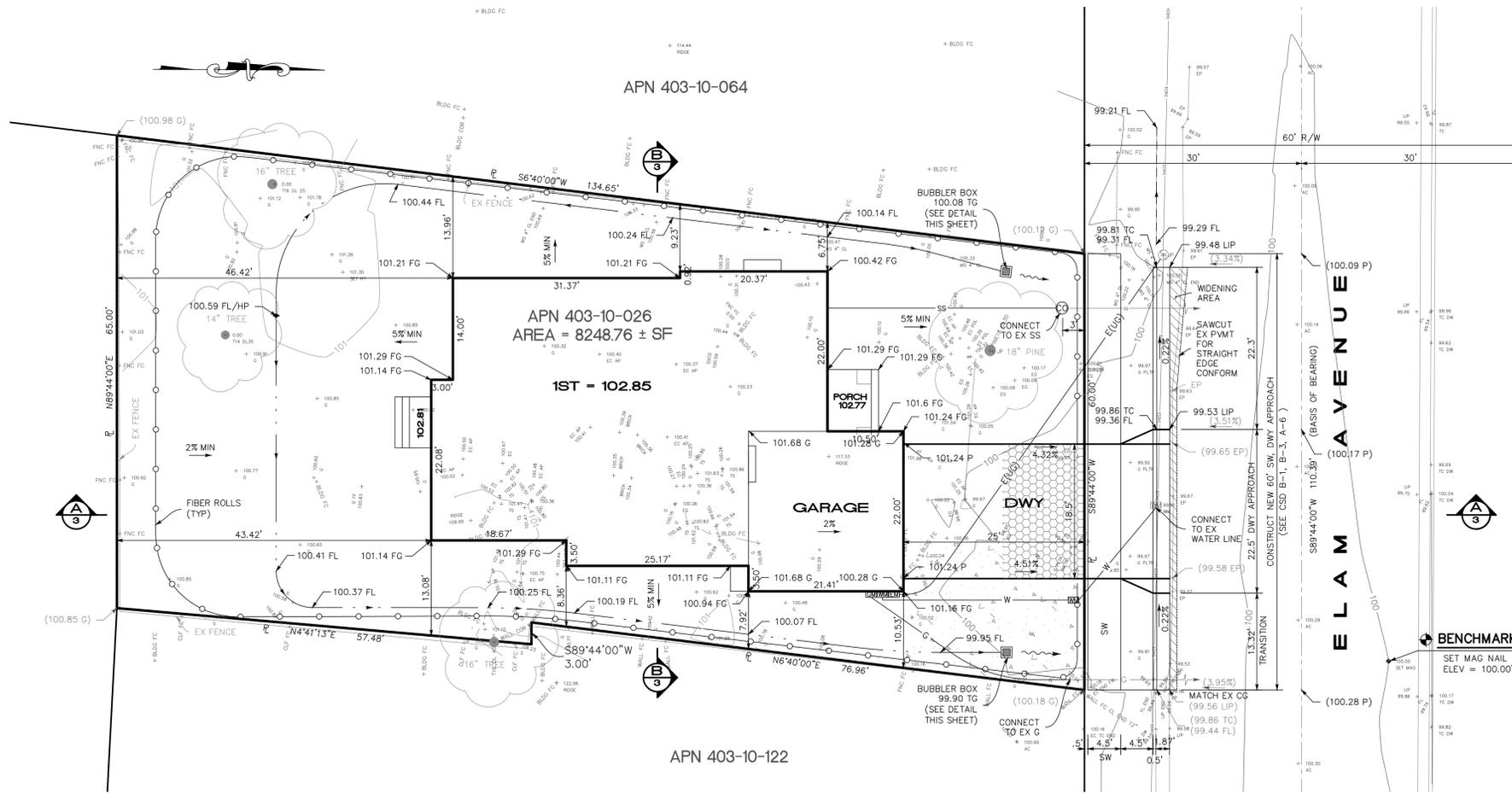
SHEET: 1 OF 4



**NOTE:**

- TREE SIZES AND TYPES ARE APPROXIMATE AND SHOULD BE VERIFIED BY A CERTIFIED ARBORIST.
- THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THIS MAP WERE BASED ON MARKINGS MADE IN THE FIELD BY OTHERS. THERE MAY BE OTHER UNDERGROUND UTILITIES THAT EXIST ON THIS SITE THAT ARE NOT SHOWN ON THIS PLAN. CLEARLY DEFINED MARKINGS THAT EXISTED AT THE TIME OF THE SURVEY WERE LOCATED AND ARE SHOWN ON THIS PLAN.

DEVELOPMENT AREAS			
PRE-DEVELOPMENT			
ITEM#	DESCRIPTION	IMPERVIOUS	PERVIOUS
1	Building	784 SF	
2	Driveway	449 SF	
3	Walkway	624 SF	
4	Walkway	437 SF	
5	Walkway	103 SF	
6	Walkway	287 SF	
7	Landscape		5,565 SF
<b>TOTAL</b>		<b>2,684 SF</b>	<b>5,565 SF</b>
POST-DEVELOPMENT			
ITEM#	DESCRIPTION	IMPERVIOUS	PERVIOUS
1	Building	2,351 SF	
2	Driveway	464 SF	
3	Porch	54 SF	
4	Landscape		5,380 SF
<b>TOTAL</b>		<b>2,869 SF</b>	<b>5,380 SF</b>



**NOTE:**

- RIGID PLASTIC, A.C., C.I., OR STEEL PIPE ALLOWED TO BOX FROM PUMP
- BOX SHALL BE SET WITH ADJACENT GRADES SLOPING AWAY TO PREVENT RAINWATER & LANDSCAPE WATER FROM ENTERING.
- BOX SHALL BE SET IN LANDSCAPED AREA TO FACILITATE PERCOLATION.
- BOX SHALL NOT HAVE CONCRETE BOTTOM TO FACILITATE PERCOLATION.
- BOX MUST BE LOCATE AT LEAST 10 FEET FROM BACK OF SIDEWALK AND 3 FEET MINIMUM AWAY FROM SIDE AND REAR PROPERTY LINES. APPROPRIATELY LOCATED IN SWALE, VEGETATED OR RETENTION AREA.

**EARTHWORK QUANTITIES**

CUT = 46 CY ; MAXIMUM CUT DEPTH = 1.0'±  
 FILL = 0 CY ; MAXIMUM FILL DEPTH = 0.0'±  
 IMPORT 0 CY  
 EXPORT 46 CY

EARTHWORK QUANTITIES AS SHOWN ON THE PLAN IS FOR INFORMATION ONLY. CONTRACTOR TO CALCULATE HIS/HER OWN EARTHWORK QUANTITIES FOR BIDDING PURPOSE.



Date:	12/10/2013
Drawn By:	PT
Designed By:	QB
Revision:	
Date:	
By:	
Chk'd:	

**ENGINEERING**  
 1291 Oakland Road  
 San Jose, CA 95128  
 Phone: (408) 906-7887  
 Fax: (408) 588-4008

**GRADING, DRAINAGE PLAN AND BUILDING CROSS SECTIONS  
 1284 ELAM AVENUE  
 BUILDING PERMIT NO. \_\_\_\_\_**

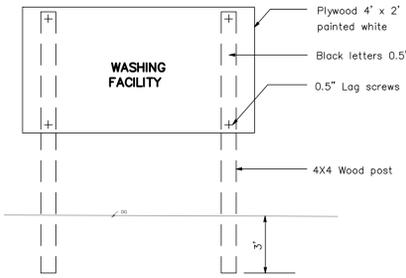
**CAMPBELL, CALIFORNIA**

SCALE:  
 1" = 10'

SHEET:  
 2 OF 4

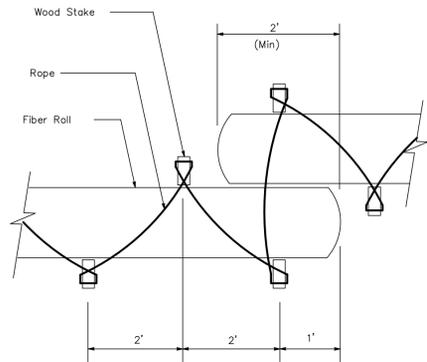
# EROSION CONTROL NOTES

1. THIS PLAN IS INTENDED TO BE USED FOR INTERIM EROSION AND SEDIMENT CONTROL ONLY AND IS NOT TO BE USED FOR FINAL PLAN ELEVATIONS OR PERMANENT IMPROVEMENTS. THE COUNTY INSPECTOR MAY REQUIRE INSTALLING ADDITIONAL EROSION CONTROL MEASURES DURING EARTHWORK OPERATION.
2. OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING EROSION AND SEDIMENT CONTROL MEASURES PRIOR, DURING, AND AFTER STORM EVENTS.
3. REASONABLE CARE SHALL BE TAKEN WHEN HAULING ANY EARTH, SAND, GRAVEL, STONE, DEBRIS, PAPER OR ANY OTHER SUBSTANCE OVER ANY PUBLIC STREET, ALLEY OR OTHER PUBLIC PLACE. SHOULD ANY BLOW, SPILL, OR TRACK OVER AND UPON SAID PUBLIC OR ADJACENT PRIVATE PROPERTY, IMMEDIATE REMEDY SHALL OCCUR.
4. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM, INCLUDING EXISTING DRAINAGE SWALES AND WATER COURSES.
5. CONTRACTOR SHALL PROVIDE DUST CONTROL AS REQUIRED BY THE APPROPRIATE FEDERAL, STATE AND LOCAL AGENCY.
6. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 15 TO APRIL 15. GRADING OPERATIONS DURING THE RAINY SEASON WHICH LEAVE DENUDED SLOPES SHALL BE PROTECTED WITH EROSION CONTROL MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES.
7. FINISHED SLOPES ON THE SITE SHALL BE STABILIZED USING SEED AND STRAW OR HYDROSEED TREATMENTS.
8. UNFINISHED ROADWAY AREAS SHALL BE PROTECTED FROM EROSION AS SHOWN ON THE EROSION CONTROL PLAN. HAY BALE CHECK DAMS WILL BE REQUIRED ON ROADWAY SLOPES STEEPER THAN FIVE PERCENT.

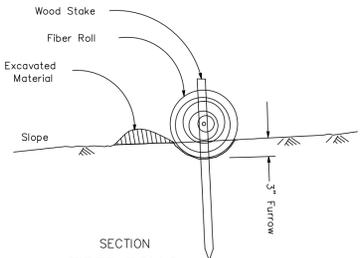


SIGN ELEVATION

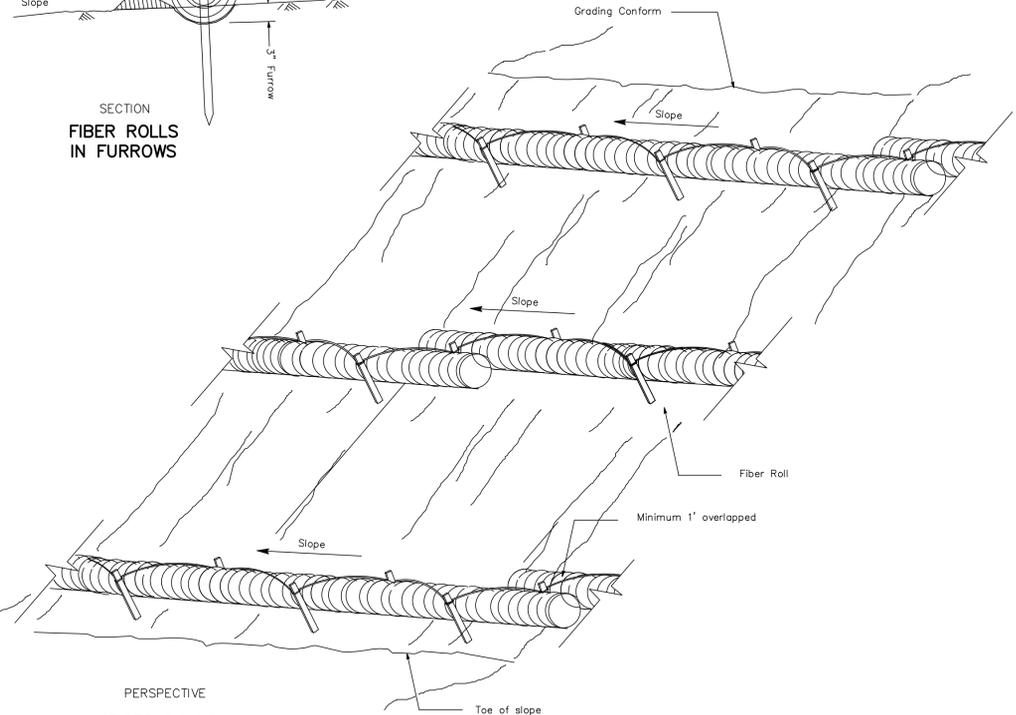
**NOTE:**  
The temporary equipment washing facility sign shall be installed within 20 feet of the temporary concrete washout facility.



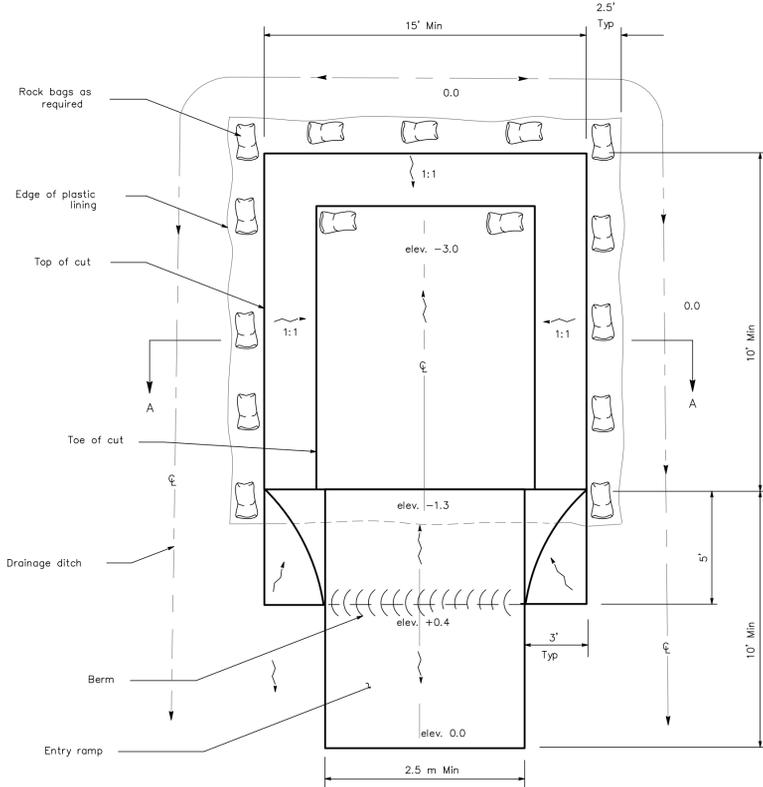
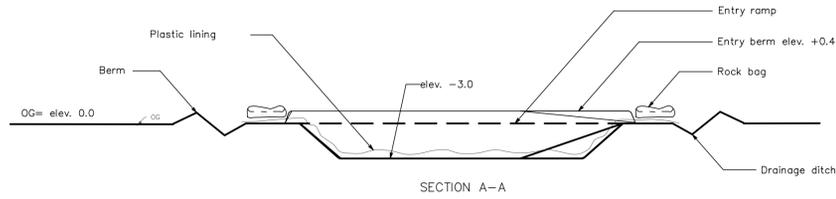
FIBER ROLLS ROPE RESTRAINT METHOD



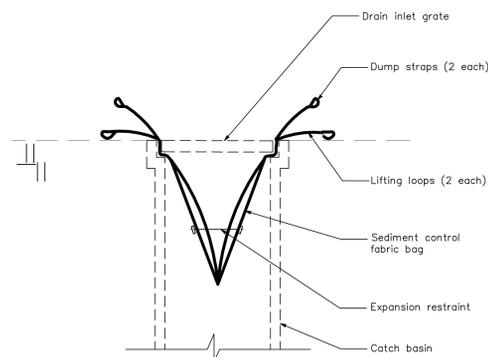
FIBER ROLLS IN FURROWS



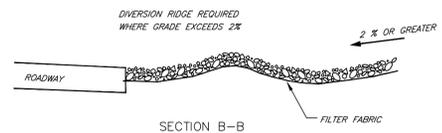
PERSPECTIVE FIBER ROLLS ROPE RESTRAINT METHOD



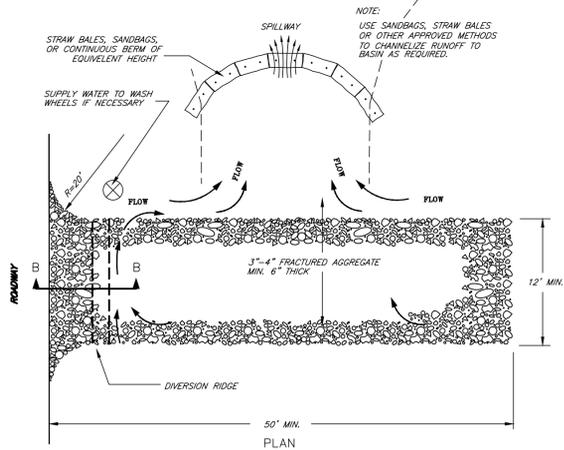
TEMPORARY EQUIPMENT WASHING FACILITY (Below Grade)



SECTION SEDIMENT CONTROL BAG

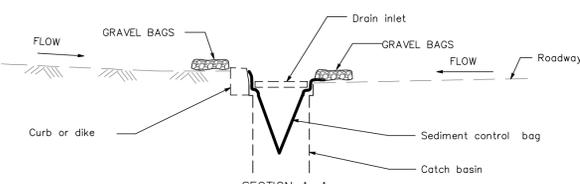


SECTION B-B

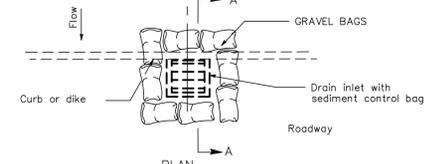


TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT

- NOTES:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
  3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



SECTION A-A



TEMPORARY DRAINAGE INLET PROTECTION For paved areas exposed to traffic



Chkd	
By	
Date	
Revision	
No.	
Date:	12/10/2013
Drawn By:	PT
Designed By:	OB
<b>ENGINEERING</b> 1291 Oakland Road San Jose, CA 95128 Phone: (408) 905-7187 Fax: (408) 585-4008	
<b>EROSION CONTROL PLAN</b> <b>1284 ELAM AVENUE</b> <b>BUILDING PERMIT NO. _____</b>	
CITY OF CAMPBELL, CALIFORNIA THE OFFICIAL SEAL	
SCALE:	N.T.S.
SHEET:	3 OF 4

**FRESH CONCRETE AND MORTAR APPLICATION**

**BEST MANAGEMENT PRACTICES FOR**

- Masons and bricklayers
- Sidewalk construction crews
- Patio construction workers
- Construction inspectors
- General contractors
- Home builders
- Developers

- When cleaning up after driveway or sidewalk construction, wash fins onto dirt areas, not down the driveway or into the street or storm drain.
- Place hay bales or other erosion controls down-slope to capture runoff carrying mortar or cement before it reaches the storm drain.

**GENERAL BUSINESS PRACTICES**

- Both at your yard and the construction site, always store both dry and wet materials under cover, protected from rainfall and runoff. Protect dry materials from wind.
- Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from gutters, storm drains, rainfall, and runoff.
- Wash out concrete mixers only in designated wash-out areas in your yard, where the water will flow into containment ponds or onto dirt. Whenever possible, recycle washout by pumping back into mixers for reuse. Never dispose of washout into the street, storm drains, drainage ditches, or streams.

- When breaking up paving, be sure to pick up all the pieces and dispose properly.
- Recycle large chunks of broken concrete at a landfill.
- Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- Never bury waste material.

- Recycle large chunks of broken concrete at a landfill.
- Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- Never bury waste material.

**STORM DRAIN POLLUTION FROM MASONRY AND PAVING**

Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks causes serious problems and is prohibited by law.

**DURING CONSTRUCTION**

- Don't mix up more fresh concrete or cement than you will use in a day.
- Set up and operate small mixers on tarps or heavy plastic drop cloths.

**LANDSCAPING, GARDENING, AND POOL MAINTENANCE**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Landscapers
- Gardeners
- Swimming pool/spa service and repair workers
- General contractors
- Home builders
- Developers

**GENERAL BUSINESS PRACTICES**

- Protect stockpiles and landscaping materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Store pesticides, fertilizers, and other chemicals indoors or in a shed or storage cabinet.
- Schedule grading and excavation projects for dry weather.
- Use temporary check dams or ditches to divert runoff away from storm drains.
- Protect storm drains with hay bales or other erosion controls.
- Revegetation is an excellent form of erosion control for any site.

**POOL/FOUNTAIN/SPA MAINTENANCE**

- Never discharge pool or spa water to a street or storm drain.

OR

- When emptying a pool or spa, let chlorine dissipate for a few days, and then recycle/reuse water by draining it gradually onto a landscaped area.

- Contact the local sewage treatment authority. You may be able to discharge to the sanitary sewer by running a hose to a utility sink or sewer pipe cleanout junction.

- Do not use copper-based algaecides unless absolutely necessary. Control algae with chlorine or other alternatives to copper-based pool chemicals. Copper is a powerful herbicide. Sewage treatment technology cannot remove all of the metals that enter a treatment plant.

**LANDSCAPING/GARDEN MAINTENANCE**

- Use up pesticides. Rinse containers, and use rinse water as product. Dispose of rinsed containers in the trash.
- Dispose of unused pesticide as hazardous waste.
- Collect lawn and garden clippings, pruning waste, and tree trimmings. Chip if necessary, and compost.
- In communities with curbside yard waste recycling, leave clippings and pruning waste for pickup in approved bags or containers. Or, take to a landfill that composts yard waste.
- Do not place yard waste in gutters.
- Do not blow or rake leaves, etc. into the street.

**STORM DRAIN POLLUTION FROM LANDSCAPING AND SWIMMING POOL MAINTENANCE**

Many landscaping activities decompose soils and increase the likelihood that earth and garden chemicals will runoff into the storm drains during irrigation or when it rains. Swimming pool water containing chlorine and copper-based algaecides should never be discharged to storm drains. These chemicals are toxic to aquatic life.

**HEAVY EQUIPMENT OPERATION**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Vehicle and equipment operators
- Site supervisors
- General contractors
- Home builders
- Developers

**SITE PLANNING AND PREVENTIVE VEHICLE MAINTENANCE**

- Designate one area of the construction site, well away from streams or storm drain inlets, for auto and equipment parking, refueling, and routine vehicle and equipment maintenance.
- Maintain all vehicles and heavy equipment. Inspect frequently for leaks.
- Perform major maintenance, repair jobs, vehicle and equipment washing off site.
- If you must drain and replace motor oil, radiator coolant, or other fluids on site, use drip pans or drop cloths to catch drips and spills. Collect all spent fluids, store in separate containers, and recycle whenever possible.
- Do not use diesel oil to lubricate equipment or parts.
- Clean up spills immediately when they happen.

- Never hose down dirty pavement or impermeable surfaces where fluids have spilled. Use dry cleanup method (absorbent materials, cat litter, and/or rags) whenever possible. If you must use water, use just enough to keep the dust down.
- Sweep up spilled dry materials immediately. Never attempt to wash them away with water or bury them. Use as little water as possible for dust control.
- Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- Report significant spills to the appropriate spill response agencies immediately.

**STORM DRAIN POLLUTION FROM HEAVY EQUIPMENT ON THE CONSTRUCTION SITE**

Poorly maintained vehicles and heavy equipment leaking fuel, oil, antifreeze or other fluids on the construction site are common sources of storm water pollution. Prevent spills and leaks by isolating equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

**PAINTING AND APPLICATION OF SOLVENTS AND ADHESIVES**

**BEST MANAGEMENT PRACTICES FOR THE: PAINTING CLEANUP**

- Painters
- Paperhangers
- Plasterers
- Graphic artists
- Dry wall crews
- Floor covering installers
- General contractors
- Home builders
- Developers

- Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- For water based paints, paint out brushes to the extent possible, and rinse to the sanitary sewer.
- For oil based paints, paint out brushes to the extent possible, filter and reuse thinners and solvents. Dispose of excess liquids and residue as hazardous waste.

Keep all liquid paint products and wastes away from the gutter, street, and storm drains. Liquid residues from paints, thinners, solvents, glues and cleaning fluids are hazardous wastes. When they are thoroughly dry, empty paint cans, spent brushes, rags, and drop cloths may be disposed of as trash.

**PAINT REMOVAL**

- Chemical paint stripping residue is a hazardous waste.
- Chips and dust from marine paints or paints containing lead or tributyl tin are hazardous wastes. Dry sweep and dispose of appropriately.
- Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up and disposed as trash.
- When stripping or cleaning building exteriors with high-pressure water, block storm drains. Wash water onto a dirt area and spade into soil. Or, check with the local wastewater treatment authority to find out if you can collect (mop or vacuum) building cleaning water and dispose to the sanitary sewer.

**WHAT CAN YOU DO?**

- Recycle/reuse leftover paints whenever possible.
- Recycle excess water-based paint, or use up. Dispose of excess liquid, including sludges, as hazardous waste.
- Reuse leftover oil-based paint. Dispose of excess liquid, including sludges, as hazardous waste.

**STORM DRAIN POLLUTION FROM PAINTS, SOLVENTS, AND ADHESIVES**

All paints, solvents, and adhesives contain chemicals that are harmful to the wildlife in our creeks and Bay. Toxic chemicals may come from liquid or solid products or from cleaning residues or rags. It is especially important not to clean brushes in an area where paint residue can flow to a gutter, street, or storm drain.

# Blueprint for a Clean Bay

## BEST MANAGEMENT PRACTICES FOR THE CONSTRUCTION INDUSTRY.

SANTA CLARA VALLEY NONPOINT SOURCE POLLUTION CONTROL PROGRAM

**EARTH MOVING ACTIVITIES**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Bulldozers, backhoe, and grading machine operators
- Dump truck drivers
- Site supervisors
- General contractors
- Home builders
- Developers

**DURING CONSTRUCTION**

- Remove existing vegetation only when absolutely necessary.
- Consider planting temporary vegetation for erosion control on slopes or where construction is not immediately planned.
- Protect downslope drainage courses, streams, and storm drains with hay bales or temporary drainage swales.
- Use check dams or ditches to divert runoff around excavations.
- Cover stockpiles and excavated soil with secured tarps or plastic sheeting.

**GENERAL BUSINESS PRACTICES**

- Schedule excavation and grading work for dry weather.
- Perform major equipment repairs away from the job site.
- When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains.
- Do not use diesel oil to lubricate equipment or parts.

**DETECTING CONTAMINATED SOIL OR GROUNDWATER**

As you know, contaminated groundwater is a common problem in the Santa Clara Valley. It is essential that all contractors and subcontractors involved in excavation and grading know what to look for in detecting contaminated soil or groundwater, and test ponded groundwater before pumping. See Blueprint for a Clean Bay, a construction best management practices guide available from the Santa Clara Valley Nonpoint Source Pollution Control Program, for details.

**WATCH FOR ANY OF THESE CONDITIONS:**

- Unusual soil conditions, discoloration, or odor
- Abandoned underground tanks
- Abandoned wells
- Buried barrels, debris, or trash

**STORM DRAIN POLLUTION FROM EARTH-MOVING ACTIVITIES**

Soil excavation and grading operations loosen large amounts of soil that can flow or blow into storm drains if handled improperly. Soil erodes due to a combination of decreased soil stability, increased runoff, and increased flow velocity. Some of the most effective erosion control practices reduce the amount of runoff crossing a site and slow the flow with check dams or roughened ground surfaces.

**ROADWORK AND PAVING**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Road Crews
- Driveway/sidewalk/parking lot construction crews
- Seal coat contractors
- Operators of: grading equipment paving machines dump trucks concrete mixers
- Construction inspectors
- General contractors
- Developers

**WHAT CAN YOU DO?**

- Develop and implement erosion/sediment control plans for embankments.
- Schedule excavation and grading work for dry weather.
- Check for and repair leaking equipment.
- Perform major equipment repairs in designated areas at your yard, away from the construction site.
- When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
- Do not use diesel oil to lubricate equipment or parts.
- Recycle used oil, concrete, broken asphalt, etc. whenever possible.

**DURING CONSTRUCTION**

- Avoid paving and seal coating in wet weather, or when rain is forecast before fresh pavement will have time to cure.
- Cover and seal catch basins and manholes when applying seal coat, slurry seal, fog seal, etc.
- Use check dams, ditches, or berms to divert runoff around excavations.

**GENERAL CONSTRUCTION AND SITE SUPERVISION**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Construction industry
- Designate one area of the site for auto parking, vehicle refueling, and routine equipment maintenance. The designated area should be well away from streams or storm drain inlets, and bermed if necessary. Make major repairs off site.
- Catch drips from paver with drip pans or absorbent material (cloth, rags, etc.) placed under machine when not in use.
- Clean up all spills and leaks using "dry" methods (with absorbent materials and/or rags), or dig up and remove contaminated soil.
- Collect and recycle or appropriately dispose of excess abrasive gravel or sand.
- Avoid over application by water trucks for dust control.

**WHAT CAN YOU DO?**

- Develop and implement erosion/sediment control plans for embankments.
- Schedule excavation and grading work for dry weather.
- Check for and repair leaking equipment.
- Perform major equipment repairs in designated areas at your yard, away from the construction site.
- When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
- Do not use diesel oil to lubricate equipment or parts.
- Recycle used oil, concrete, broken asphalt, etc. whenever possible.

**ASPHALT/CONCRETE REMOVAL**

- Avoid creating excess dust when breaking asphalt or concrete.
- After breaking old pavement, be sure to remove all chunks and pieces.
- Make sure broken pavement does not come in contact with rainfall or runoff.
- Shovel or vacuum saw-cut slurry and remove from the site. Cover or barricade storm drain during saw-cutting if necessary.
- Never hose down streets to clean up tracked dirt.

**STORM DRAIN POLLUTION FROM ROADWORK**

Road paving, surfacing, and pavement removal happen right in the street, where there are numerous opportunities for storm drain contamination by asphalt, saw-cut slurry, or excavated material. Extra planning is required to store and dispose of materials properly and guard against pollution of storm drains and creeks.

**BEST MANAGEMENT PRACTICES FOR THE:**

- Construction industry
- Designate one area of the site for auto parking, vehicle refueling, and routine equipment maintenance. The designated area should be well away from streams or storm drain inlets, and bermed if necessary. Make major repairs off site.
- Keep materials out of the rain-prevent runoff contamination at the source. Cover exposed piles of soil of construction materials with plastic sheeting or temporary roofs. Before it rains, sweep and remove materials from surfaces that drain to storm drains, creeks, or channels.
- Keep pollutants out of exposed surfaces. Place trash cans and recycling receptacles around the site to minimize litter.
- Clean up leaks, drips, and other spills immediately so they do not contaminate soil or groundwater or leave residue on paved surfaces.
- Never hose down "dirty" pavement or surfaces where materials have spilled. Use dry cleanup methods whenever possible. If you must use water, use just enough to keep the dust down.
- Cover and maintain dumpsters. Check frequently for leaks. Place dumpsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. Never clean a dumpster by hosing it down on the construction site.
- Make sure portable toilets are in good working order. Check frequently for leaks.

**MATERIALS/WASTE/HANDLING**

- Practice Source Reduction-minimize waste when you order materials. Order only the amount you need to finish the job.
- Use recyclable materials whenever possible.
- Dispose of all wastes properly. Many construction materials and wastes, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation can be recycled. (See the references list of recyclers at the back of Blueprint for a Clean Bay). Materials that cannot be recycled must be taken to an appropriate landfill or disposed of as hazardous waste. Never bury waste materials or leave them in the street or near a creek or stream bed.

**STORM DRAIN POLLUTION FROM CONSTRUCTION ACTIVITIES**

Construction sites are common sources of storm water pollution. Materials and wastes that blow or wash into a storm drain, gutter or street have a direct impact on local creeks and the Bay. As a contractor, site supervisor, owner or operator of a site, you may be responsible for any environmental damage caused by your subcontractors or employees.

**BEST MANAGEMENT PRACTICES FOR STORM WATER POLLUTION PREVENTION**

In the Santa Clara Valley, storm drains flow directly to local creeks and San Francisco Bay, with no treatment. Storm water pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or baylands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.

Thirteen valley cities have joined together with Santa Clara County and the Santa Clara Valley Water District to educate local residents and businesses and fight storm drain pollution.

Note: The property owner and the contractor share ultimate responsibility for the activities that occur on a construction site. Owner and contractor may be held responsible for any environmental damage caused by the subcontractors or employees.

**Spill Response Agencies**

- Dial 911
- Santa Clara Valley Water District Environmental Compliance Division (408) 927-0710.
- Governor's Office of Emergency Services Warning Center (800) 852-7550 (24 hours).

**Local Pollution Control Agencies**

- Santa Clara County Office of Toxics and Solid Waste Management (408) 441-1195
- Santa Clara Valley Water District (408) 927-0710
- San Jose/Santa Clara Water Pollution Control Plant (408) 945-5300
- Serving Campbell, Cupertino, Los Gatos, Milpitas, Monte Sereno, San Jose, Santa Clara and Saratoga
- Sunnyvale Water Pollution Control Plant (408) 730-7270
- Palo Alto Regional Water Quality Control Plant (415) 329-2598
- Serving East Palo Alto, Los Altos, Los Altos Hills, Mountain View, Palo Alto, and Stanford

Chkd			
By			
Date			
Revision			
No.			

Date:	12/10/2013
Drawn By:	PT
Designed By:	QB

**ENGINEERING**  
1281 Oakland Road  
San Jose, CA 95128  
Phone (408) 806-7187  
Fax (408) 368-4006

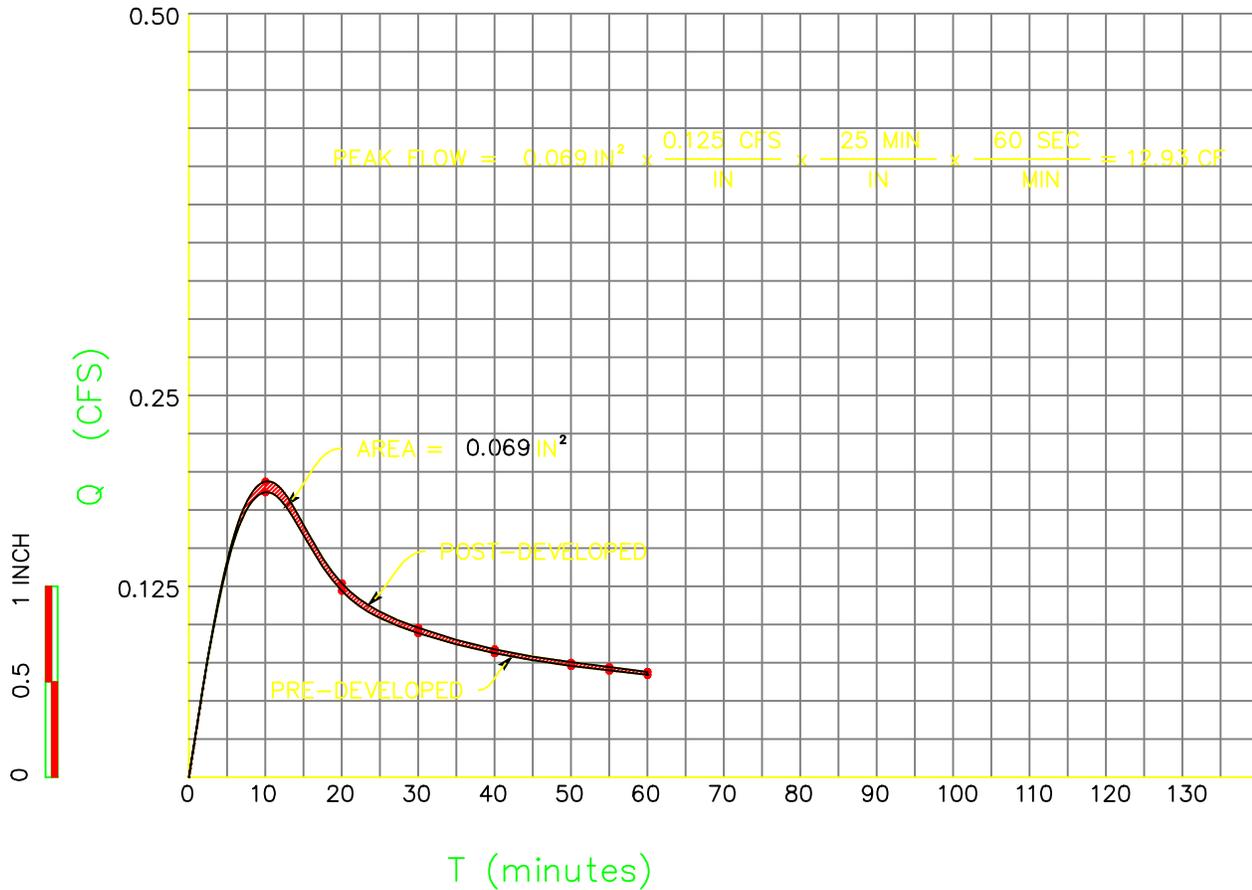
**BLUEPRINT FOR A CLEAN BAY**  
1284 ELAM AVENUE  
BUILDING PERMIT NO. \_\_\_\_\_

CITY OF CAMPBELL  
THE OFFICIAL SEAL OF THE CITY OF CAMPBELL, CALIFORNIA

SCALE: N.T.S.

SHEET: 4 OF 4





DISCHARGE VERSUS TIME



# GRADING AND DRAINAGE NOTES

- CALIFORNIA BUILDING CODE**  
ALL WORK SHALL COMPLY WITH THE 2010 CALIFORNIA BUILDING CODE.
- O.S.H.A. REGULATIONS**  
ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE O.S.H.A. REGULATIONS.
- GEOTECHNICAL (SOILS) REPORT**  
THE ENGINEER OF WORK HAS DESIGNED THIS PROJECT TO COMPLY WITH THE GRADING RECOMMENDATIONS IN THE PROJECT GEOTECHNICAL (SOILS) REPORT PREPARED BY \_\_\_\_\_ DATED \_\_\_\_\_

- SPECIFICATIONS AND OBSERVATIONS**  
ALL GRADING AND DRAINAGE WORK SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREON. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOILS ENGINEER OR ENGINEER OF WORK. THE SOILS ENGINEER/ENGINEER OF WORK AND CITY (866-2150) SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING. UNAPPROVED GRADING WORK SHALL BE REMOVED AND REPLACED UNDER OBSERVATION.

- NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM**  
PRIOR TO ISSUANCE OF ANY GRADING OR BUILDING PERMITS, THE APPLICANT SHALL COMPLY WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITTING REQUIREMENTS AND THE CALIFORNIA STORM WATER BEST MANAGEMENT PRACTICES HANDBOOK PREPARED BY THE STORM WATER QUALITY TASK FORCE, SANTA CLARA VALLEY WATER DISTRICT AND THE CITY OF CAMPBELL MUNICIPAL CODE REGARDING STORM WATER POLLUTION PREVENTION.

- LOCAL NON-POINT SOURCE ORDINANCE**  
COMPLIANCE WITH THE LOCAL NON-POINT SOURCE ORDINANCE CONCERNING DISCHARGE OF MATERIALS TO THE STORM DRAINAGE SYSTEM SHALL BE THE RESPONSIBILITY OF THE GRADING CONTRACTOR.

- UNDERGROUND UTILITIES AND STRUCTURES**  
THE EXISTENCE AND APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN ON THESE PLANS WERE DETERMINED BY THE ENGINEER OF WORK BY SEARCHING THE AVAILABLE PUBLIC RECORDS. THEY ARE SHOWN FOR GENERAL INFORMATION ONLY. THE CITY OF CAMPBELL MAKES NO CLAIMS OF THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY UTILITY LOCATIONS WITH THE APPROPRIATE AGENCY. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES, STRUCTURES AND ANY OTHER IMPROVEMENTS FOUND AT THE WORK SITE.

- EROSION CONTROL**  
EROSION CONTROL PLANTING AND OTHER SILT RETENTION OR EROSION CONTROL MEASURES MAY BE REQUIRED IN ALL GRADED AREAS. SEE LANDSCAPE PLAN, IF APPLICABLE, FOR DETAILS OF PLANTING.

- UTILITY ELEVATION VERIFICATION**  
THE CONTRACTOR SHALL VERIFY ALL EXISTING INVERT ELEVATIONS FOR DISCREPANCIES EXIST BETWEEN THE ACTUAL ELEVATIONS AND STORM DRAIN CONSTRUCTION PRIOR TO ANY SITE WORK. SHOULD LOCATIONS OF EXISTING STORM DRAIN CONNECTIONS AND THOSE AS SHOWN ON THESE PLANS, THE CONTRACTOR SHALL NOTIFY ENGINEER OF WORK BEFORE ADJUSTING THE DESIGN.

- UTILITY CROSSINGS**  
THE CONTRACTOR SHALL UNCOVER AND EXPOSE ALL EXISTING UTILITY, SEWER AND STORM DRAIN LINES WHERE THEY ARE TO BE CROSSED ABOVE OR BELOW BY THE NEW FACILITY BEING CONSTRUCTED IN ORDER TO VERIFY THE GRADE AND TO ASSURE THERE IS SUFFICIENT CLEARANCE. HE OR SHE SHALL CALL THE ENGINEER OF WORK REGARDING POTENTIAL CONFLICTS BEFORE FIELD WORK BEGINS.

- GRADING REQUIREMENTS**  
DRAINAGE, INCLUDING ALL ROOF AND PATIO DRAINS, SHALL BE DIRECTED AWAY FROM THE STRUCTURE. IT SHALL BE THE OWNER'S AND CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE DRAINAGE SYSTEM FACILITIES SHOWN HEREON ARE KEPT CLEAR OF OBSTRUCTIONS AND THE CONTRACTOR SHALL REGRADE AREAS THAT WILL NOT DRAIN AFTER FINAL GRADING. THE GROUND ADJACENT TO THE BUILDING SHALL SLOPE AWAY WITH A MINIMUM SLOPE OF 2% FOR AT LEAST 5 FEET. MINIMUM SLOPE IN ALL OTHER CASES SHALL BE NO LESS THAN 1%.

- GRADED SITE ELEVATIONS**  
ON GRADED SITES, THE TOP OF ANY EXTERIOR FOUNDATION SHALL EXTEND ABOVE THE ELEVATION OF THE STREET GUTTER AT POINT OF DISCHARGE OR THE INLET OF AN APPROVED DRAINAGE DEVICE A MINIMUM OF 12 INCHES (305 MM) PLUS 2 PERCENT. THE BUILDING OFFICIAL MAY APPROVE ALTERNATE ELEVATIONS, PROVIDED IT CAN BE DEMONSTRATED THAT REQUIRED DRAINAGE TO THE POINT OF DISCHARGE AND AWAY FROM THE STRUCTURE IS PROVIDED AT ALL LOCATIONS ON THE SITE.

- CLEAN, SAFE AND USABLE PUBLIC RIGHT-OF-WAY AND PRIVATE PROPERTY**  
THE PERMITTEE SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

- TOPOGRAPHY SURVEY**  
THE TOPOGRAPHY SURVEY MADE BY LC ENGINEERING ON OCTOBER 21, 2013

- TREE REMOVAL AND PRESERVATION**  
THIS PLAN DOES NOT APPROVE REMOVAL OF TREES. APPROPRIATE TREE REMOVAL PERMITS AND METHOD OF TREE PRESERVATION SHOULD BE OBTAINED FROM THE PLANNING DIVISION.

- PROJECT PLANS**  
THIS PLAN IS A PART OF PROJECT PLANS. SEE ARCHITECT AND LANDSCAPE PLANS, IF APPLICABLE, FOR DETAILS AND DIMENSIONS. FENCES AND WALLS ARE NOT A PART OF THESE PLANS.

- FINAL LETTER OF INSPECTION**  
THE SOILS ENGINEER OR ENGINEER OF WORK SHALL PROVIDE FINAL LETTER OF INSPECTION AT COMPLETION OF THE GRADING.

- GRADE EVENLY**  
THE CONTRACTOR SHALL GRADE EVENLY BETWEEN SPOT ELEVATIONS SHOWN.

- APPROVAL OF PLANS**  
APPROVAL OF THIS PLAN APPLIES ONLY TO THE EXCAVATION, PLACEMENT, AND COMPACTION OF NATURAL EARTH MATERIALS. THIS APPROVAL DOES NOT CONFER ANY RIGHTS OF ENTRY TO EITHER PUBLIC PROPERTY OR THE PRIVATE PROPERTY OF OTHERS. APPROVAL OF THIS PLAN ALSO DOES NOT CONSTITUTE APPROVAL OF ANY IMPROVEMENTS. PROPOSED IMPROVEMENTS ARE SUBJECT TO REVIEW AND APPROVAL BY THE RESPONSIBLE AUTHORITIES AND ALL OTHER REQUIRED PERMITS SHALL BE OBTAINED.

- WELL LOCATIONS**  
ALL KNOWN WELL LOCATIONS ON THE SITE HAVE BEEN INCLUDED AND SUCH WELLS SHALL BE MAINTAINED OR ABANDONED ACCORDING TO CURRENT REGULATIONS ADMINISTERED BY THE SANTA CLARA VALLEY WATER DISTRICT. CALL (408) 265-2600 EXTENSION 382 TO ARRANGE FOR DISTRICT OBSERVATIONS OF ALL WELL ABANDONMENTS.

- EARTHWORK QUANTITIES**  
THE EARTHWORK QUANTITIES SHOWN ON THESE PLANS ARE ONLY TO BE USED TO DETERMINE THE GRADING PLAN REVIEW AND PERMIT FEES.

- ELEVATION ADJUSTMENTS**  
ADJUSTMENTS OF PADS OR PARKING LOT ELEVATIONS TO ACHIEVE EARTHWORK BALANCE SHALL BE MADE ONLY WITH APPROVAL OF THE ENGINEER OF WORK AND THE CITY OF CAMPBELL BUILDING DIVISION.

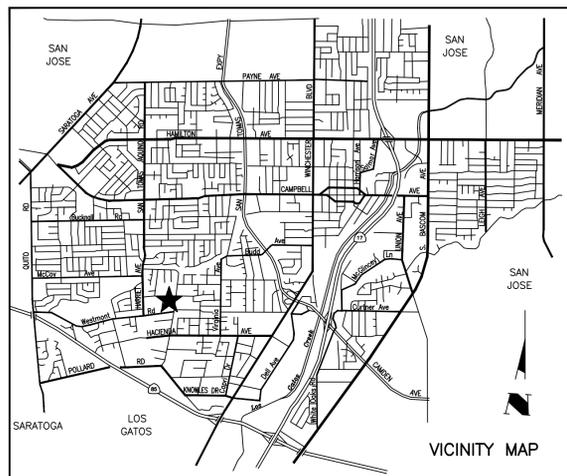
- TRUCK ROUTE**  
THE TRUCK ROUTE SHALL BE \_\_\_\_\_

# GRADING & DRAINAGE PLANS

PROJECT ADDRESS: 1284 ELAM AVENUE  
BUILDING PERMIT NO. \_\_\_\_\_ - \_\_\_\_\_  
ASSESSORS PARCEL NO. 403-10-026



## CITY OF CAMPBELL COMMUNITY DEVELOPMENT DEPARTMENT & BUILDING DIVISION



### INDEX OF DRAWINGS

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GRADING, DRAINAGE PLAN AND BUILDING CROSS SECTIONS	2
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BLUE PRINT FOR A CLEAN BAY	4

### ABBREVIATIONS

AB	AGGREGATE BASE	LOL	LAYOUT LINE
AC	ASPHALT CONCRETE	MAX	MAXIMUM
BC	BEGIN CURVE	MH	MANHOLE
BCR	BEGIN CURB RETURN	MIN	MINIMUM
CL	CLASS	OG	ORIGINAL GRADE
DIA	DIAMETER	PB	PULL BOX
DWY	DRIVEWAY	PCC	PORTLAND CEMENT CONCRETE
EC	END CURVE	PVC	POLYVINYL CHLORIDE
ECR	END CURB RETURN	R	RADIUS
ED	EDGE DRAIN	RCP	REINFORCED CONCRETE PIPE
EX	EXISTING	R/W	RIGHT-OF-WAY
FC	FACE OF CURB	STA	STATION
FG	FINISH GRADE	SW	SIDEWALK
FH	FIRE HYDRANT	TC	TOP OF CURB
INV	INVERT	TEMP	TEMPORARY
IRR	IRRIGATION	TYP	TYPICAL

### LEGEND

	EXISTING	PROPOSED
SIDEWALK, CURB AND GUTTER		
CENTER LINE		
PROPERTY LINE		
EDGE OF PAVEMENT		
DRIVEWAY		
PCC OR AC REMOVAL		
STANDARD CITY MONUMENT		
BENCH MARK		
MANHOLE		
STORM DRAIN INLET		
WATER METER		
VALVE		
FIRE HYDRANT		
STREET LIGHT		
POWER POLE		
PULL BOX		
CABLE TELEVISION LINE		
ELECTRICAL LINE		
IRRIGATION LINE		
NATURAL GAS LINE		
OVERHEAD LINE		
SANITARY SEWER LINE		
STORM DRAIN LINE		
TELEPHONE LINE		
WATER LINE		
TRAFFIC SIGNAL CONDUIT		
LIGHTING CONDUIT		
ROADSIDE SIGN & SIGN CODE		
FENCE		
TREE/SHRUB		

- CONTRACTOR RESPONSIBILITIES**  
THE SOILS ENGINEER AND/OR ENGINEER OF WORK WILL NOT DIRECTLY CONTROL THE PHYSICAL ACTIVITIES OF THE CONTRACTOR OR ANY SUBCONTRACTORS OF THE CONTRACTOR OR SUBCONTRACTOR'S WORKMEN'S ACCOMPLISHMENT OF WORK ON THE PROJECT. CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR WORKING CONDITIONS ON THE JOBSITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

- NEAT AND CLEAN PREMISES**  
DURING THE PROGRESS OF THE WORK, THE CONTRACTOR SHALL KEEP THE PREMISES OCCUPIED BY HIM IN A NEAT AND CLEAN CONDITION, DISPOSING OF REFUSE IN A SATISFACTORY MANNER AS OFTEN AS DIRECTED, OR AS MAY BE NECESSARY SO THAT THERE SHALL AT NO TIME BE ANY UNSIGHTLY ACCUMULATION OF RUBBISH.

- ANY ABANDONED UNDERGROUND PIPES**  
ANY ABANDONED UNDERGROUND PIPES EXPOSED DURING CONSTRUCTION SHALL BE REMOVED ADEQUATELY PLUGGED, OR A COMBINATION OF BOTH IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF CAMPBELL, BUILDING DIVISION.

- HUMAN REMAINS**  
IF HUMAN REMAINS ARE DISCOVERED DURING THE CONSTRUCTION, UNLESS THE CORONER HAS NOTIFIED THE PERMITTEE IN WRITING THAT THE REMAINS DISCOVERED HAVE BEEN DETERMINED NOT TO BE NATIVE AMERICAN, THE PERMITTEE SHALL NOTIFY ALL PERSONS ON THE CITY'S NATIVE AMERICAN NOTIFICATION LIST OF SUCH DISCOVERY. SUCH NOTIFICATION SHALL BE SENT BY FIRST CLASS U.S. MAIL WITHIN SEVEN (7) DAYS OF THE DATE ON WHICH THE PERMITTEE NOTIFIED THE CORONER AND SHALL STATE THAT THE CORONER HAS BEEN NOTIFIED IN ACCORDANCE WITH CALIFORNIA STATE LAW.

- MAINTENANCE PROCEDURES**  
THE CONTRACTOR SHALL ADVISE THE OWNER OF APPROPRIATE MAINTENANCE PROCEDURES OF THE DRAINAGE SYSTEMS.

- DUST CONTROL**  
ALL EXPOSED OR DISTURBED SOIL SURFACES SHALL BE WATERED AS NECESSARY, BUT NOT LESS THAN TWICE DAILY TO CONTROL DUST. AREAS OF DIGGING AND GRADING OPERATIONS SHALL BE CONSISTENTLY WATERED TO CONTROL DUST. GRADING OR OTHER DUST-PRODUCING ACTIVITIES SHALL BE SUSPENDED DURING PERIODS OF HIGH WIND WHEN DUST IS READILY VISIBLE IN THE AIR. STOCKPILES OF SOIL, DEBRIS, SAND, OR OTHER DUST-PRODUCING MATERIALS SHALL BE WATERED OR COVERED. THE CONSTRUCTION AREA AND THE SURROUNDING STREETS SHALL BE SWEEPED (NO WATER) AS NECESSARY, BUT NOT LESS THAN TWICE DAILY.

- CONSTRUCTION MITIGATION MEASURE**  
HOURS OF CONSTRUCTION SHALL BE LIMITED TO 8:00 A.M. TO 5:00 P.M. MONDAY THROUGH FRIDAY, AND 9:00 A.M. TO 4:00 P.M. ON SATURDAY. CONSTRUCTION ACTIVITIES SHALL NOT TAKE PLACE ON SUNDAYS AND HOLIDAYS.

### AGENCY INDEX

SANTA CLARA COUNTY FIRE DEPARTMENT	(408) 378-4010
CITY OF CAMPBELL - PUBLIC WORKS	(408) 866-2150
CITY OF CAMPBELL - POLICE	(408) 866-2121
SBC TELEPHONE	(408) 811-3900
PACIFIC GAS & ELECTRIC	(408) 973-8980
SAN JOSE WATER COMPANY	(408) 279-7900
SANTA CLARA VALLEY WATER DISTRICT	(408) 265-2600
COMCAST CABLE TELEVISION	(408) 452-9100
WEST VALLEY SANITATION DISTRICT	(408) 378-2407

THESE PLANS HAVE BEEN REVIEWED AND FOUND TO BE IN SUBSTANTIAL CONFORMANCE WITH THE INTENT AND PURPOSE OF THE GEOTECHNICAL EXPLORATION REPORT ON \_\_\_\_\_ IN CAMPBELL, CALIFORNIA. PROJECT NO. \_\_\_\_\_ PREPARED BY \_\_\_\_\_

NAME \_\_\_\_\_ DATE \_\_\_\_\_  
G.E. # \_\_\_\_\_

**CITY OF CAMPBELL  
PUBLIC WORKS DEPARTMENT CLEARANCE**

THIS PLAN WITH ATTACHED DOCUMENTS HAS BEEN REVIEWED FOR COMPLIANCE WITH THE CITY OF CAMPBELL AND STATE OF CALIFORNIA CODES AND THE CURRENT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. THIS PLAN SHALL NOT BE CHANGED OR MODIFIED WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. WORK PERFORMED RELATED TO THIS PLAN SHALL BE DONE IN ACCORDANCE WITH THIS PLAN AND ALL APPLICABLE CODES. THIS APPROVAL SHALL NOT BE HELD TO PERMIT OR UNDERSTOOD AS TO BE AN APPROVAL OF A VIOLATION OF ANY CITY OR STATE LAW.

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**SEAL OF ENGINEER OF WORK:**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODES, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

THE DESIGN SHOWN HEREON IS NECESSARY AND REASONABLE AND DOES NOT RESTRICT ANY HISTORIC DRAINAGE FLOWS FROM ADJACENT PROPERTIES NOR INCREASE DRAINAGE TO ADJACENT PROPERTIES.

THE DESIGN INCLUDES PRINCIPLES AND TECHNIQUES TO REDUCE QUANTITY AND IMPROVE THE QUALITY OF STORM WATER RUNOFF, AS REQUIRED BY NPDES.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF CAMPBELL IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

47518  
SIGNATURE \_\_\_\_\_ P.E.  
NINH LE  
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SIGNATURE \_\_\_\_\_ P.E.  
NINH LE  
PRINT

LC ENGINEERING  
1291 OAKLAND ROAD, SAN JOSE, CA 95112  
PHONE : (408) 806-7187

Chkd By \_\_\_\_\_ Date \_\_\_\_\_ Revision \_\_\_\_\_ No. \_\_\_\_\_

Date: 12/10/13  
Drawn By: IPT  
Designed By: QB

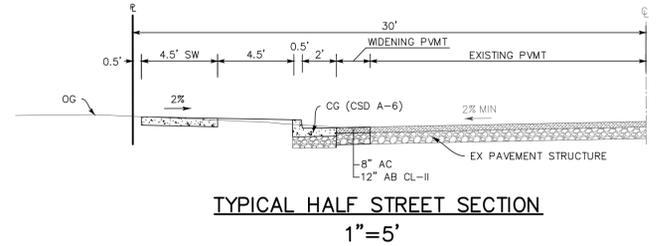
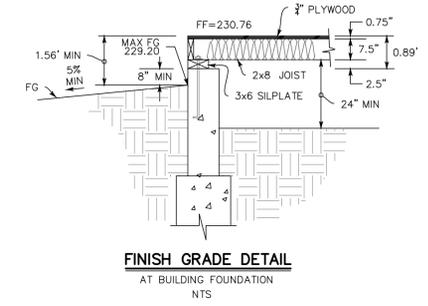
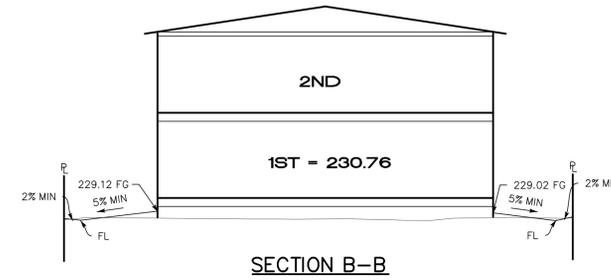
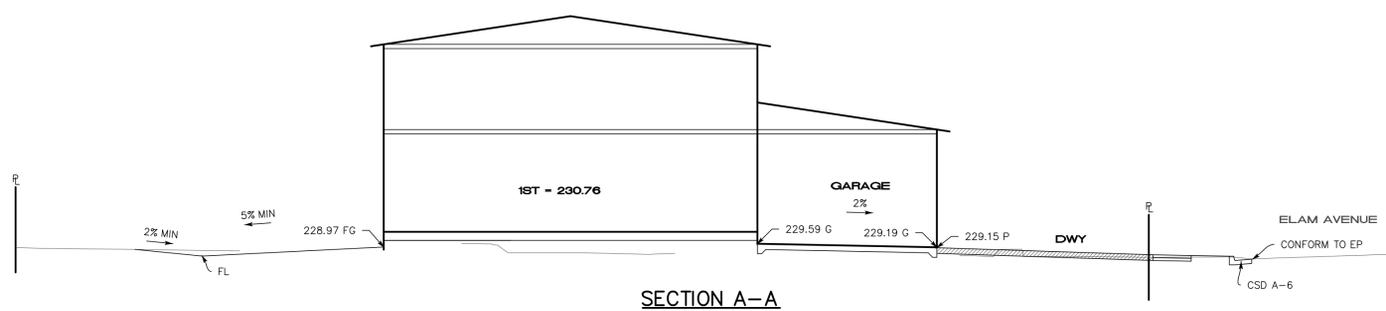
**LC ENGINEERING**  
1291 Oakland Road  
San Jose, CA 95112  
Phone: (408) 806-7187  
Fax: (408) 368-4006

**TITLE SHEET**  
1284 ELAM AVENUE  
BUILDING PERMIT NO. \_\_\_\_\_

**CAMPBELL, CALIFORNIA**

SCALE: \_\_\_\_\_ N.T.S.

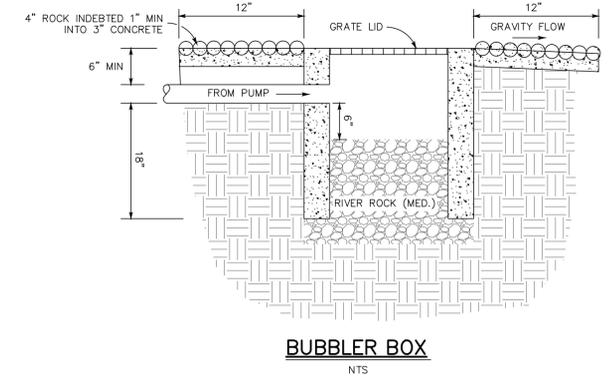
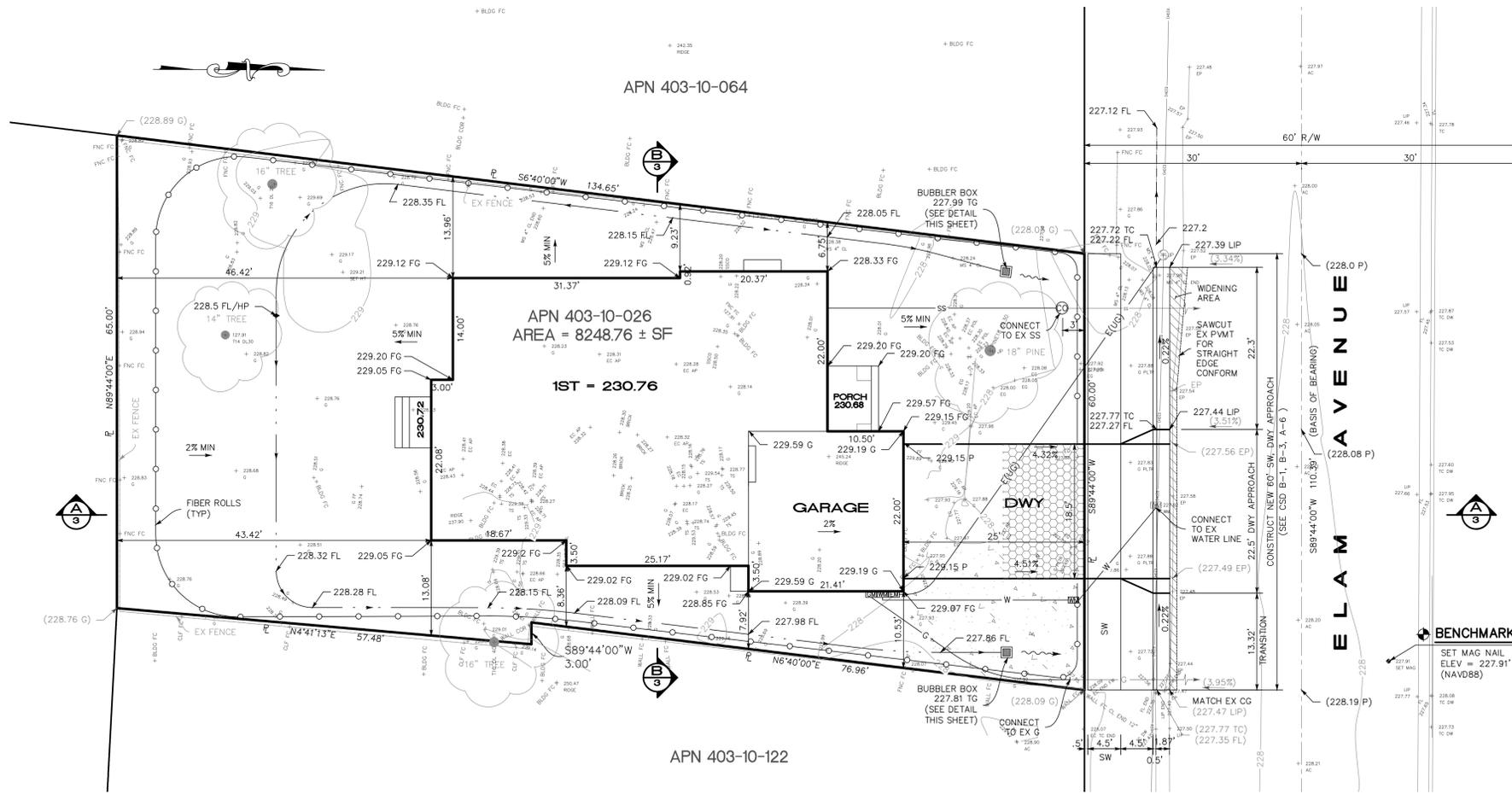
SHEET: 1 OF 4



**NOTE:**

- TREE SIZES AND TYPES ARE APPROXIMATE AND SHOULD BE VERIFIED BY A CERTIFIED ARBORIST.
- THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THIS MAP WERE BASED ON MARKINGS MADE IN THE FIELD BY OTHERS. THERE MAY BE OTHER UNDERGROUND UTILITIES THAT EXIST ON THIS SITE THAT ARE NOT SHOWN ON THIS PLAN. CLEARLY DEFINED MARKINGS THAT EXISTED AT THE TIME OF THE SURVEY WERE LOCATED AND ARE SHOWN ON THIS PLAN.

DEVELOPMENT AREAS			
PRE-DEVELOPMENT			
ITEM#	DESCRIPTION	IMPERVIOUS	PERVIOUS
1	Building	784 SF	
2	Driveway	449 SF	
3	Walkway	624 SF	
4	Walkway	437 SF	
5	Walkway	103 SF	
6	Walkway	287 SF	
7	Landscape		5,565 SF
<b>TOTAL</b>		<b>2,684 SF</b>	<b>5,565 SF</b>
POST-DEVELOPMENT			
ITEM#	DESCRIPTION	IMPERVIOUS	PERVIOUS
1	Building	2,351 SF	
2	Driveway	464 SF	
3	Porch	54 SF	
4	Landscape		5,380 SF
<b>TOTAL</b>		<b>2,869 SF</b>	<b>5,380 SF</b>



**NOTE:**

- RIGID PLASTIC, A.C., C.I., OR STEEL PIPE ALLOWED TO BOX FROM PUMP
- BOX SHALL BE SET WITH ADJACENT GRADES SLOPING AWAY TO PREVENT RAINWATER & LANDSCAPE WATER FROM ENTERING.
- BOX SHALL BE SET IN LANDSCAPED AREA TO FACILITATE PERCOLATION.
- BOX SHALL NOT HAVE CONCRETE BOTTOM TO FACILITATE PERCOLATION.
- BOX MUST BE LOCATE AT LEAST 10 FEET FROM BACK OF SIDEWALK AND 3 FEET MINIMUM AWAY FROM SIDE AND REAR PROPERTY LINES. APPROPRIATELY LOCATED IN SWALE, VEGETATED OR RETENTION AREA.

**EARTHWORK QUANTITIES**

CUT = 46 CY ; MAXIMUM CUT DEPTH = 1.0'±  
 FILL = 0 CY ; MAXIMUM FILL DEPTH = 0.0'±  
 IMPORT 0 CY  
 EXPORT 46 CY

EARTHWORK QUANTITIES AS SHOWN ON THE PLAN IS FOR INFORMATION ONLY. CONTRACTOR TO CALCULATE HIS/HER OWN EARTHWORK QUANTITIES FOR BIDDING PURPOSE.



Date: 12/10/2013  
 Drawn By: PT  
 Designed By: QB

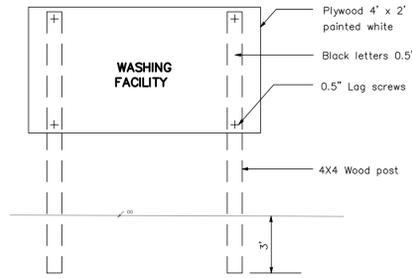
**ENGINEERING**  
 1291 Oakland Road  
 San Jose, CA 95128  
 Phone: (408) 906-7887  
 Fax: (408) 588-4008

GRADING, DRAINAGE PLAN AND BUILDING CROSS SECTIONS  
 1284 ELAM AVENUE  
 BUILDING PERMIT NO. \_\_\_\_\_

SCALE:  
 1" = 10'  
 SHEET:  
 2 OF 4

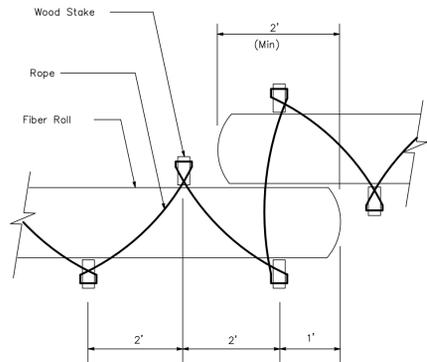
**EROSION CONTROL NOTES**

1. THIS PLAN IS INTENDED TO BE USED FOR INTERIM EROSION AND SEDIMENT CONTROL ONLY AND IS NOT TO BE USED FOR FINAL PLAN ELEVATIONS OR PERMANENT IMPROVEMENTS. THE COUNTY INSPECTOR MAY REQUIRE INSTALLING ADDITIONAL EROSION CONTROL MEASURES DURING EARTHWORK OPERATION.
2. OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING EROSION AND SEDIMENT CONTROL MEASURES PRIOR, DURING, AND AFTER STORM EVENTS.
3. REASONABLE CARE SHALL BE TAKEN WHEN HAULING ANY EARTH, SAND, GRAVEL, STONE, DEBRIS, PAPER OR ANY OTHER SUBSTANCE OVER ANY PUBLIC STREET, ALLEY OR OTHER PUBLIC PLACE. SHOULD ANY BLOW, SPILL, OR TRACK OVER AND UPON SAID PUBLIC OR ADJACENT PRIVATE PROPERTY, IMMEDIATE REMEDY SHALL OCCUR.
4. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM, INCLUDING EXISTING DRAINAGE SWALES AND WATER COURSES.
5. CONTRACTOR SHALL PROVIDE DUST CONTROL AS REQUIRED BY THE APPROPRIATE FEDERAL, STATE AND LOCAL AGENCY.
6. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 15 TO APRIL 15. GRADING OPERATIONS DURING THE RAINY SEASON WHICH LEAVE DENUDE SLOPES SHALL BE PROTECTED WITH EROSION CONTROL MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES.
7. FINISHED SLOPES ON THE SITE SHALL BE STABILIZED USING SEED AND STRAW OR HYDROSEED TREATMENTS.
8. UNFINISHED ROADWAY AREAS SHALL BE PROTECTED FROM EROSION AS SHOWN ON THE EROSION CONTROL PLAN. HAY BALE CHECK DAMS WILL BE REQUIRED ON ROADWAY SLOPES STEEPER THAN FIVE PERCENT.

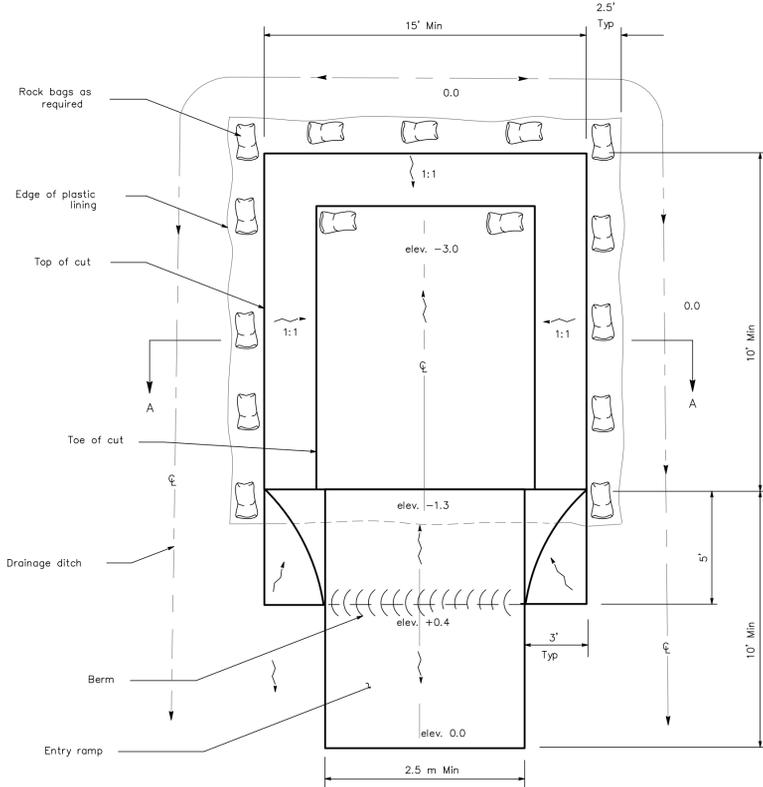
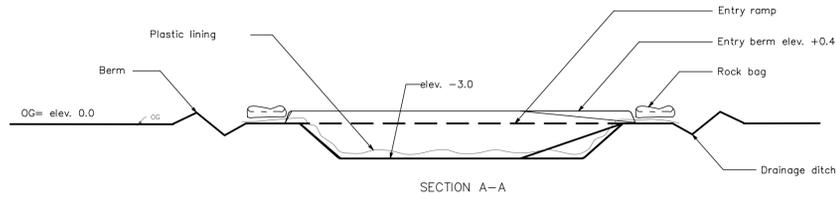


**SIGN ELEVATION**

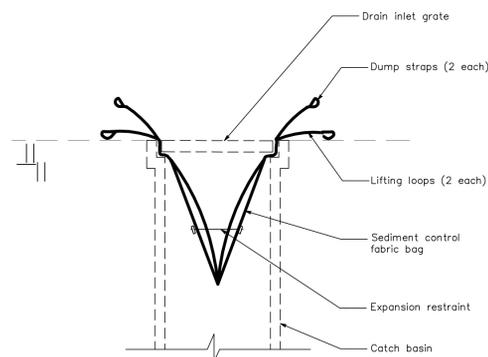
**NOTE:**  
The temporary equipment washing facility sign shall be installed within 20 feet of the temporary concrete washout facility.



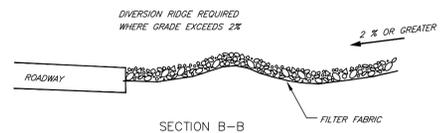
**FIBER ROLLS ROPE RESTRAINT METHOD**



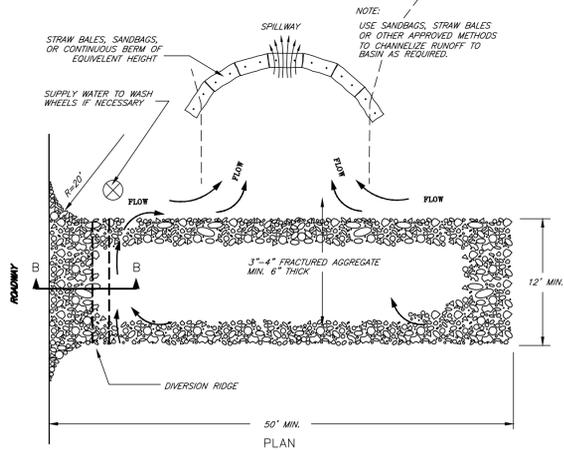
**TEMPORARY EQUIPMENT WASHING FACILITY (Below Grade)**



**SECTION SEDIMENT CONTROL BAG**

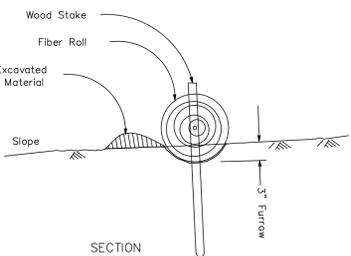


**SECTION B-B**

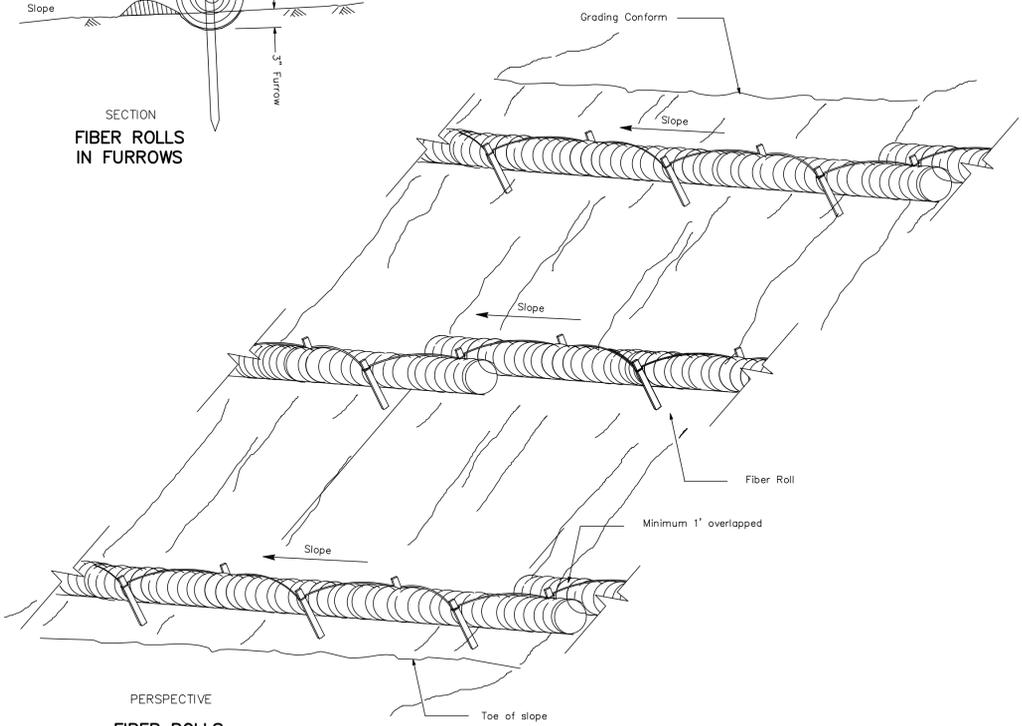


**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT**

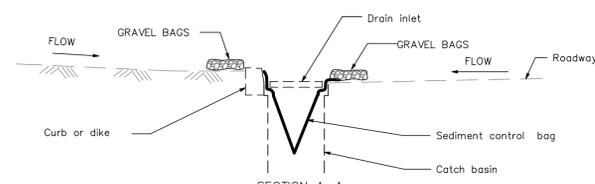
- NOTES:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
  3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



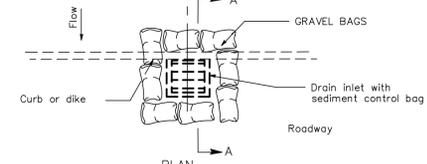
**SECTION FIBER ROLLS IN FURROWS**



**PERSPECTIVE FIBER ROLLS ROPE RESTRAINT METHOD**



**SECTION A-A**



**PLAN**

**TEMPORARY DRAINAGE INLET PROTECTION For paved areas exposed to traffic**



Chkd	
By	
Date	
Revision	
No.	
Date:	12/10/2013
Drawn By:	PT
Designed By:	OB
<b>ENGINEERING</b> 1291 Oakland Road San Jose, CA 95128 Phone: (408) 905-7187 Fax: (408) 585-4008	
<b>EROSION CONTROL PLAN</b> <b>1284 ELAM AVENUE</b> <b>BUILDING PERMIT NO. _____</b>	
SCALE:	N.T.S.
SHEET:	3 OF 4

**FRESH CONCRETE AND MORTAR APPLICATION**

**BEST MANAGEMENT PRACTICES FOR**

- Masons and bricklayers
- Sidewalk construction crews
- Patio construction workers
- Construction inspectors
- General contractors
- Home builders
- Developers

- When cleaning up after driveway or sidewalk construction, wash fins onto dirt areas, not down the driveway or into the street or storm drain.
- Place hay bales or other erosion controls down-slope to capture runoff carrying mortar or cement before it reaches the storm drain.

**GENERAL BUSINESS PRACTICES**

- Both at your yard and the construction site, always store both dry and wet materials under cover, protected from rainfall and runoff. Protect dry materials from wind.
- Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from gutters, storm drains, rainfall, and runoff.
- Wash out concrete mixers only in designated wash-out areas in your yard, where the water will flow into containment ponds or onto dirt. Whenever possible, recycle washout by pumping back into mixers for reuse. Never dispose of washout into the street, storm drains, drainage ditches, or streams.

- When breaking up paving, be sure to pick up all the pieces and dispose properly.
- Recycle large chunks of broken concrete at a landfill.
- Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- Never bury waste material.

- Recycle large chunks of broken concrete at a landfill.
- Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.

- Wash out concrete mixers only in designated wash-out areas in your yard, where the water will flow into containment ponds or onto dirt.

**STORM DRAIN POLLUTION FROM MASONRY AND PAVING**

Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks causes serious problems and is prohibited by law.

**DURING CONSTRUCTION**

- Don't mix up more fresh concrete or cement than you will use in a day.
- Set up and operate small mixers on tarps or heavy plastic drop cloths.

**LANDSCAPING, GARDENING, AND POOL MAINTENANCE**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Landscapers
- Gardeners
- Swimming pool/spa service and repair workers
- General contractors
- Home builders
- Developers

**GENERAL BUSINESS PRACTICES**

- Protect stockpiles and landscaping materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Store pesticides, fertilizers, and other chemicals indoors or in a shed or storage cabinet.
- Schedule grading and excavation projects for dry weather.
- Use temporary check dams or ditches to divert runoff away from storm drains.
- Protect storm drains with hay bales or other erosion controls.
- Revegetation is an excellent form of erosion control for any site.

**POOL/FOUNTAIN/SPA MAINTENANCE**

- Never discharge pool or spa water to a street or storm drain.

OR

- When emptying a pool or spa, let chlorine dissipate for a few days, and then recycle/reuse water by draining it gradually onto a landscaped area.

- Contact the local sewage treatment authority. You may be able to discharge to the sanitary sewer by running a hose to a utility sink or sewer pipe cleanout junction.

- Do not use copper-based algaecides unless absolutely necessary. Control algae with chlorine or other alternatives to copper-based pool chemicals. Copper is a powerful herbicide. Sewage treatment technology cannot remove all of the metals that enter a treatment plant.

**LANDSCAPING/GARDEN MAINTENANCE**

- Use up pesticides. Rinse containers, and use rinse water as product. Dispose of rinsed containers in the trash.
- Dispose of unused pesticide as hazardous waste.
- Collect lawn and garden clippings, pruning waste, and tree trimmings. Chip if necessary, and compost.
- In communities with curbside yard waste recycling, leave clippings and pruning waste for pickup in approved bags or containers. Or, take to a landfill that composts yard waste.
- Do not place yard waste in gutters.
- Do not blow or rake leaves, etc. into the street.

**STORM DRAIN POLLUTION FROM LANDSCAPING AND SWIMMING POOL MAINTENANCE**

Many landscaping activities decompose soils and increase the likelihood that earth and garden chemicals will runoff into the storm drains during irrigation or when it rains. Swimming pool water containing chlorine and copper-based algaecides should never be discharged to storm drains. These chemicals are toxic to aquatic life.

**HEAVY EQUIPMENT OPERATION**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Vehicle and equipment operators
- Site supervisors
- General contractors
- Home builders
- Developers

**SITE PLANNING AND PREVENTIVE VEHICLE MAINTENANCE**

- Designate one area of the construction site, well away from streams or storm drain inlets, for auto and equipment parking, refueling, and routine vehicle and equipment maintenance.
- Maintain all vehicles and heavy equipment. Inspect frequently for leaks.
- Perform major maintenance, repair jobs, vehicle and equipment washing off site.
- If you must drain and replace motor oil, radiator coolant, or other fluids on site, use drip pans or drop cloths to catch drips and spills. Collect all spent fluids, store in separate containers, and recycle whenever possible.
- Do not use diesel oil to lubricate equipment or parts.
- Clean up spills immediately when they happen.

- Never hose down dirty pavement or impermeable surfaces where fluids have spilled. Use dry cleanup method (absorbent materials, cat litter, and/or rags) whenever possible. If you must use water, use just enough to keep the dust down.

- Sweep up spilled dry materials immediately. Never attempt to wash them away with water or bury them. Use as little water as possible for dust control.
- Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- Report significant spills to the appropriate spill response agencies immediately.

**STORM DRAIN POLLUTION FROM HEAVY EQUIPMENT ON THE CONSTRUCTION SITE**

Poorly maintained vehicles and heavy equipment leaking fuel, oil, antifreeze or other fluids on the construction site are common sources of storm water pollution. Prevent spills and leaks by isolating equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

**PAINTING AND APPLICATION OF SOLVENTS AND ADHESIVES**

**BEST MANAGEMENT PRACTICES FOR THE: PAINTING CLEANUP**

- Painters
- Paperhangers
- Plasterers
- Graphic artists
- Dry wall crews
- Floor covering installers
- General contractors
- Home builders
- Developers

Keep all liquid paint products and wastes away from the gutter, street, and storm drains. Liquid residues from paints, thinners, solvents, glues and cleaning fluids are hazardous wastes. When they are thoroughly dry, empty paint cans, spent brushes, rags, and drop cloths may be disposed of as trash.

- Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- For water based paints, paint out brushes to the extent possible, and rinse to the sanitary sewer.
- For oil based paints, paint out brushes to the extent possible, filter and reuse thinners and solvents. Dispose of excess liquids and residue as hazardous waste.

**PAINT REMOVAL**

- Chemical paint stripping residue is a hazardous waste.
- Chips and dust from marine paints or paints containing lead or tributyl tin are hazardous wastes. Dry sweep and dispose of appropriately.
- Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up and disposed as trash.
- When stripping or cleaning building exteriors with high-pressure water, block storm drains. Wash water onto a dirt area and spade into soil. Or, check with the local wastewater treatment authority to find out if you can collect (mop or vacuum) building cleaning water and dispose to the sanitary sewer.

**WHAT CAN YOU DO?**

- Recycle/reuse leftover paints whenever possible.
- Recycle excess water-based paint, or use up. Dispose of excess liquid, including sludges, as hazardous waste.
- Reuse leftover oil-based paint. Dispose of excess liquid, including sludges, as hazardous waste.

**STORM DRAIN POLLUTION FROM PAINTS, SOLVENTS, AND ADHESIVES**

All paints, solvents, and adhesives contain chemicals that are harmful to the wildlife in our creeks and Bay. Toxic chemicals may come from liquid or solid products or from cleaning residues or rags. It is especially important not to clean brushes in an area where paint residue can flow to a gutter, street, or storm drain.

# Blueprint for a Clean Bay

## BEST MANAGEMENT PRACTICES FOR THE CONSTRUCTION INDUSTRY.

SANTA CLARA VALLEY NONPOINT SOURCE POLLUTION CONTROL PROGRAM

**EARTH MOVING ACTIVITIES**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Bulldozers, backhoe, and grading machine operators
- Dump truck drivers
- Site supervisors
- General contractors
- Home builders
- Developers

**DURING CONSTRUCTION**

- Remove existing vegetation only when absolutely necessary.
- Consider planting temporary vegetation for erosion control on slopes or where construction is not immediately planned.
- Protect downslope drainage courses, streams, and storm drains with hay bales or temporary drainage swales.
- Use check dams or ditches to divert runoff around excavations.
- Cover stockpiles and excavated soil with secured tarps or plastic sheeting.

**GENERAL BUSINESS PRACTICES**

- Schedule excavation and grading work for dry weather.
- Perform major equipment repairs away from the job site.
- When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains.
- Do not use diesel oil to lubricate equipment or parts.

**DETECTING CONTAMINATED SOIL OR GROUNDWATER**

As you know, contaminated groundwater is a common problem in the Santa Clara Valley. It is essential that all contractors and subcontractors involved in excavation and grading know what to look for in detecting contaminated soil or groundwater, and test ponded groundwater before pumping. See Blueprint for a Clean Bay, a construction best management practices guide available from the Santa Clara Valley Nonpoint Source Pollution Control Program, for details.

**WATCH FOR ANY OF THESE CONDITIONS:**

- Unusual soil conditions, discoloration, or odor
- Abandoned underground tanks
- Abandoned wells
- Buried barrels, debris, or trash

**STORM DRAIN POLLUTION FROM EARTH-MOVING ACTIVITIES**

Soil excavation and grading operations loosen large amounts of soil that can flow or blow into storm drains if handled improperly. Soil erodes due to a combination of decreased soil stability, increased runoff, and increased flow velocity. Some of the most effective erosion control practices reduce the amount of runoff crossing a site and slow the flow with check dams or roughened ground surfaces.

**ROADWORK AND PAVING**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Road Crews
- Driveway/sidewalk/parking lot construction crews
- Seal coat contractors
- Operators of: grading equipment paving machines dump trucks concrete mixers
- Construction inspectors
- General contractors
- Developers

**WHAT CAN YOU DO?**

- Develop and implement erosion/sediment control plans for embankments.
- Schedule excavation and grading work for dry weather.
- Check for and repair leaking equipment.
- Perform major equipment repairs in designated areas at your yard, away from the construction site.
- When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
- Do not use diesel oil to lubricate equipment or parts.
- Recycle used oil, concrete, broken asphalt, etc. whenever possible.

**DURING CONSTRUCTION**

- Avoid paving and seal coating in wet weather, or when rain is forecast before fresh pavement will have time to cure.
- Cover and seal catch basins and manholes when applying seal coat, slurry seal, fog seal, etc.
- Use check dams, ditches, or berms to divert runoff around excavations.

**GENERAL CONSTRUCTION AND SITE SUPERVISION**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Construction industry
- Never wash excess material from exposed aggregate concrete or similar treatments into a street or storm drain. Collect and recycle, or dispose to dirt area.
- Cover stockpiles (asphalt, sand, etc.) and other materials with plastic tarps. Protect from rainfall and prevent runoff with temporary roofs or plastic sheets and berms.
- Catch drips from paver with drip pans or absorbent material (cloth, rags, etc.) placed under machine when not in use.
- Clean up all spills and leaks using "dry" methods (with absorbent materials and/or rags), or dig up and remove contaminated soil.
- Collect and recycle or appropriately dispose of excess abrasive gravel or sand.
- Avoid over application by water trucks for dust control.

**WHAT CAN YOU DO?**

- Develop and implement erosion/sediment control plans for embankments.
- Schedule excavation and grading work for dry weather.
- Check for and repair leaking equipment.
- Perform major equipment repairs in designated areas at your yard, away from the construction site.
- When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
- Do not use diesel oil to lubricate equipment or parts.
- Recycle used oil, concrete, broken asphalt, etc. whenever possible.

**ASPHALT/CONCRETE REMOVAL**

- Avoid creating excess dust when breaking asphalt or concrete.
- After breaking old pavement, be sure to remove all chunks and pieces.
- Make sure broken pavement does not come in contact with rainfall or runoff.
- Shovel or vacuum saw-cut slurry and remove from the site. Cover or barricade storm drain during saw-cutting if necessary.
- Never hose down streets to clean up tracked dirt.

**STORM DRAIN POLLUTION FROM ROADWORK**

Road paving, surfacing, and pavement removal happen right in the street, where there are numerous opportunities for storm drain contamination by asphalt, saw-cut slurry, or excavated material. Extra planning is required to store and dispose of materials properly and guard against pollution of storm drains and creeks.

**BEST MANAGEMENT PRACTICES FOR THE:**

- Construction industry
- Designate one area of the site for auto parking, vehicle refueling, and routine equipment maintenance. The designated area should be well away from streams or storm drain inlets, and bermed if necessary. Make major repairs off site.
- Keep materials out of the rain-prevent runoff contamination at the source. Cover exposed piles of soil of construction materials with plastic sheeting or temporary roofs. Before it rains, sweep and remove materials from surfaces that drain to storm drains, creeks, or channels.
- Keep pollutants out of exposed surfaces. Place trash cans and recycling receptacles around the site to minimize litter.
- Clean up leaks, drips, and other spills immediately so they do not contaminate soil or groundwater or leave residue on paved surfaces.
- Never hose down "dirty" pavement or surfaces where materials have spilled. Use dry cleanup methods whenever possible. If you must use water, use just enough to keep the dust down.
- Cover and maintain dumpsters. Check frequently for leaks. Place dumpsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. Never clean a dumpster by hosing it down on the construction site.
- Make sure portable toilets are in good working order. Check frequently for leaks.

**MATERIALS/WASTE/HANDLING**

- Practice Source Reduction-minimize waste when you order materials. Order only the amount you need to finish the job.
- Use recyclable materials whenever possible.
- Dispose of all wastes properly. Many construction materials and wastes, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation can be recycled. (See the references list of recyclers at the back of Blueprint for a Clean Bay). Materials that cannot be recycled must be taken to an appropriate landfill or disposed of as hazardous waste. Never bury waste materials or leave them in the street or near a creek or stream bed.

**STORM DRAIN POLLUTION FROM CONSTRUCTION ACTIVITIES**

Construction sites are common sources of storm water pollution. Materials and wastes that blow or wash into a storm drain, gutter or street have a direct impact on local creeks and the Bay. As a contractor, site supervisor, owner or operator of a site, you may be responsible for any environmental damage caused by your subcontractors or employees.

**BEST MANAGEMENT PRACTICES FOR STORM WATER POLLUTION PREVENTION**

In the Santa Clara Valley, storm drains flow directly to local creeks and San Francisco Bay, with no treatment. Storm water pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or baylands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.

Thirteen valley cities have joined together with Santa Clara County and the Santa Clara Valley Water District to educate local residents and businesses and fight storm drain pollution.

Note: The property owner and the contractor share ultimate responsibility for the activities that occur on a construction site. Owner and contractor may be held responsible for any environmental damage caused by the subcontractors or employees.

**Spill Response Agencies**

- Dial 911
- Santa Clara Valley Water District Environmental Compliance Division (408) 927-0710.
- Governor's Office of Emergency Services Warning Center (800) 852-7550 (24 hours).

**Local Pollution Control Agencies**

- Santa Clara County Office of Toxics and Solid Waste Management (408) 441-1195
- Santa Clara Valley Water District (408) 927-0710
- San Jose/Santa Clara Water Pollution Control Plant (408) 945-5300
- Serving Campbell, Cupertino, Los Gatos, Milpitas, Monte Sereno, San Jose, Santa Clara and Saratoga
- Sunnyvale Water Pollution Control Plant (408) 730-7270
- Palo Alto Regional Water Quality Control Plant (415) 329-2598
- Serving East Palo Alto, Los Altos, Los Altos Hills, Mountain View, Palo Alto, and Stanford

**ORDINANCE OF THE CITY OF CAMPBELL ESTABLISHING REQUIREMENTS FOR STORM WATER POLLUTION CONTROL**

- A. Criminal Penalties.** Any person who violates any provision of this article shall be guilty of a misdemeanor and upon conviction thereof shall be punishable by imprisonment for a term not to exceed six (6) months or by a fine not to exceed \$1000 or by both. Each and every violation of this chapter shall constitute a separate offense. Every day each such violation continues shall be an additional offense.
- B. Civil Penalties.** Any person who violates any provision of this chapter shall be civilly liable to the City of Campbell in a sum not to exceed \$1000 per day for each day in which the violation occurs. Each and every violation of this chapter shall constitute a separate offense. Every day each such violation continues shall be an additional offense.
- C. Civil Liability.** Any person who violates any provision of this chapter shall be civilly liable to the City of Campbell for all costs, including attorneys fees, associated with the investigation and remediation of environmental conditions caused by the discharge of pollutants into the Municipal Storm Drain System or a Watercourse in violation of this chapter.
- D. Remedies Cumulative.** The remedies provided for in this chapter are cumulative and not exclusive and shall be in addition to any and all other remedies available to the City of Campbell under State and Federal Law.

Chkd	By	Date	Revision	No.

Date:	12/10/2013
Drawn By:	PT
Designed By:	QB

**ENGINEERING**  
1291 Oakland Road  
San Jose, CA 95128  
Phone (408) 806-7197  
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**BLUEPRINT FOR A CLEAN BAY**  
1284 ELAM AVENUE  
BUILDING PERMIT NO. \_\_\_\_\_

CITY OF CAMPBELL  
THE OFFICIAL SEAL OF THE CITY OF CAMPBELL, CALIFORNIA

SCALE: N.T.S.

SHEET: 4 OF 4



**LEGEND & ABBREVIATIONS**

AB	AGGREGATE BASE	EM	ELECTRIC METER	MIN	MINIMUM	SE	SLOPE EASEMENT	⊙	AREA DRAIN	---	EASEMENT LINE	⊠	INLET	ⓧ	TELEPHONE BOX
AC	ASPHALT CONCRETE	E(OH)	ELECTRIC OVERHEAD	N&S	NAIL AND SILVER	SS	SANITARY SEWER/LATERAL	⊕	BENCHMARK	---	EXISTING ELEVATION	⊕	JOINT POLE	ⓧ	TELEVISION BOX
AD	ASPHALT CONCRETE	E(UG)	ELECTRIC UNDERGROUND	NTS	NOT TO SCALE	SSE	SANITARY SEWER EASEMENT	⊕	BOUNDARY	---	EXISTING FENCE	⊕	LIGHTING	ⓧ	TEST PIT
AE	ANCHOR EASEMENT	EP	EDGE OF PAVEMENT	OH	OVERHEAD	STA	STATION	⊕	STANDARD CITY DETAIL	---	EXISTING TREE TO BE REMOVED	⊕	LIGHTING POLE	ⓧ	TOP OF FILL
BB	BUBBLER BOX	EX	EXISTING	OG	ORIGINAL GROUND	STD	STANDARD CITY DETAIL	⊕	SIDEWALK	---	EXISTING TREE TO REMAIN	⊕	LOW POINT	ⓧ	TOE OF FILL
BLDG	BUILDING	FC	FACE OF CURB	P	PAVEMENT FINISH GRADE	SW	SIDEWALK	⊕	FOUND IRON PIPE AT PROPERTY CORNER	---	FOUND IRON PIPE AT PROPERTY CORNER	⊕	OVERLAND FLOW DIRECTION	ⓧ	TOE OF CUT
BSL	BUILDING SETBACK LINE	FD	FOUND	PAD	PAD ELEVATION	TB	TOP OF BANK	⊕	FIBER ROLLS	---	FOUND IRON PIPE AT PROPERTY CORNER	⊕	TOE OF CUT		
BW	BOTTOM OF WALL/BACK OF WALK	FF	FINISH ELEVATION OF SUBFLOOR	R	PROPERTY LINE	TC	TOP OF CURB	⊕	POLLUTION CONTROL MEASURE	---	FOUND IRON PIPE AT PROPERTY CORNER	⊕	TOE OF CUT		
CG	CURB & GUTTER	FG	GROUND FINISH GRADE	PEE	PEDESTRIAN EQUESTRIAN EASEMENT	TEMP	TEMPORARY	⊕	PROJECT SITE	---	FOUND IRON PIPE AT PROPERTY CORNER	⊕	TOE OF CUT		
C	CENTERLINE	PH	FIRE HYDRANT	PERF	PERFORATED	TOC	TOP OF COVER	⊕	ROCK RETAINING WALL	---	FOUND IRON PIPE AT PROPERTY CORNER	⊕	UTILITY: EXISTING		
CLF	CHAIN LINK FENCE	FL	FLOW LINE	PP	POWER POLE PROP PROPOSED	TOE	TOE OF BANK	⊕	RIGHT OF WAY	---	FOUND IRON PIPE AT PROPERTY CORNER	⊕	UTILITY: PROPOSED OR NEW		
CO	SANITARY SEWER CLEANOUT	G	GARAGE SLAB ELEVATION/GAS LINE	PSE	PUBLIC SERVICE EASEMENT	TG	TOP OF GRATE	⊕	SANITARY SEWER CLEAN OUT MANHOLE	---	FOUND IRON PIPE AT PROPERTY CORNER	⊕	VERTICAL SHORING		
COP	CURB OPENING	GPE	GENERAL PUBLIC EASEMENT	PUE	PUBLIC UTILITY EASEMENT	TPE	TREE PROTECTION FENCE	⊕	SANITARY SEWER MANHOLE	---	FOUND IRON PIPE AT PROPERTY CORNER	⊕	WATER METER		
CONC	CONCRETE	CSB	GRADING SETBACK	PMT	PAVEMENT	TW	TOP OF WALL	⊕	STORM DRAIN MANHOLE	---	FOUND IRON PIPE AT PROPERTY CORNER	⊕	WATER VALVE		
CSD	COUNTY STANDARD DETAIL	GM	GAS METER	PVC	POLYVINYL CHLORIDE	TYP	TYPICAL	⊕	SUMP PUMP	---	FOUND IRON PIPE AT PROPERTY CORNER	⊕	WELL		
DE	DRAINAGE EMITTER	HP	HI POINT	R	RADIUS	VG	VALLEY GUTTER								
DI	DRAINAGE INLET	INV	INVERT	RW	RETAINING WALL	W	WATER								
DS	DOWNSPOUT	LIP	LIP OF GUTTER	REM	REMOVE	WCE	WIRE CLEARANCE EASEMENT								
DWY	DRIVEWAY	LS	LANDSCAPED AREA	R/W	RIGHT OF WAY	WLK	WALKWAY								
EA	EASEMENT	LS	LANDSCAPED AREA	SD	STORM DRAIN	WM	WATER METER								
ELEV	ELEVATION	MAX	MAXIMUM	SDE	STORM DRAIN EASEMENT	WOE	WIRE OVERHANG EASEMENT								
		MH	MANHOLE			WV	WATER VALVE								

**NOTE:** 1. TREE SIZES AND TYPES ARE APPROXIMATE AND SHOULD BE VERIFIED BY A CERTIFIED ARBORIST.  
 2. THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THIS MAP WERE BASED ON MARKINGS MADE IN THE FIELD BY OTHERS. THERE MAY BE OTHER UNDERGROUND UTILITIES THAT EXIST ON THIS SITE THAT ARE NOT SHOWN ON THIS PLAN. CLEARLY DEFINED MARKINGS THAT EXISTED AT THE TIME OF THE SURVEY WERE LOCATED AND ARE SHOWN ON THIS PLAN.

**BASIS OF BEARINGS**  
 THE BEARINGS SHOWN ON THIS MAP ARE BASED ON THE CENTERLINE OF ELAM AVENUE RECORDED AS S89°44'00"W IN BOOK 587 OF MAPS, AT PAGE 48, SANTA CLARA COUNTY RECORDS.



DESIGNED	DATE	10/21/2013
DRAWN	DATE	10/21/2013
CHECKED	DATE	10/21/2013

**ENGINEERING**  
 1291 Oakland Road  
 San Jose, CA 95112  
 Phone: (408) 806-7187  
 Fax: (408) 583-4006

**BOUNDARY SURVEY AND TOPOGRAPHIC MAP**  
 LANDS OF LI  
 1284 ELAM AVENUE  
 APN 403-10-026

California  
 Campbell  
 PROJECT NO.  
 CONTRACT NO.  
 DRAWING NO.  
 1 OF 1  
 FILE NO.



APPLICANT : LI

ROAD NAME : ELAM AVENUE

CITY FILE NO :

