

CITY OF POMONA

STANDARD GRADING NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF POMONA ORDINANCE NO. 3444 AND THE LATEST STATE CODES AS MANDATED TO BE ENFORCED BY THE CITY AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, PLUS ANY SUPPLEMENTS.
** A BOND IS REQUIRED PER SECTION 3311 OF UNIFORM BUILDING CODE.
2. AN APPROVED SET OF PLANS SHALL BE ON THE JOB AT ALL TIMES.
3. NO WORK SHALL BE STARTED WITHOUT FIRST NOTIFYING THE BUILDING DIVISION AT (909) 620-2371.
4. ADEQUATE BARRICADES, LIGHTS, FLAGMEN, SIGNS AND OTHER SAFETY DEVICES SHALL BE PROVIDED AS SPECIFIED BY THE TRAFFIC MANUAL PUBLISHED BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION.
5. EXISTING CITY STREETS SHALL BE KEPT CLEAN OF ALL MATERIALS RESULTING FROM THE GRADING OPERATIONS. THE STREET RIGHT-OF-WAY SHALL BE CLEANED UP DAILY AND AS NECESSARY TO MAINTAIN PEDESTRIAN AND VEHICULAR PASSAGE OVER THE PUBLIC RIGHT-OF-WAY AT ALL TIMES.
6. THE PERMITTEE OR HIS AGENT SHALL NOTIFY THE BUILDING OFFICIAL AT LEAST 24 HOURS BEFORE THE GRADING OPERATION IS READY FOR EACH OF THE FOLLOWING:
 - a. PRE-GRADE MEETING: WHEN THE PERMITTEE IS READY TO BEGIN WORK AND BEFORE ANY GRADING OR BRUSHING IS STARTED. THE FOLLOWING PEOPLE MUST BE PRESENT - OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER, GEOLOGIST, BUILDING OFFICIAL OR THEIR REPRESENTATIVE.
 - b. TOE INSPECTION: AFTER THE NATURAL GROUND IS EXPOSED AND PREPARED TO RECEIVE FILL AND BEFORE ANY FILL IS PLACED.
 - c. EXCAVATION INSPECTION: AFTER THE EXCAVATION IS STARTED AND BEFORE THE DEPTH OF EXCAVATION EXCEEDS 10 FEET.
 - d. FILL INSPECTION: AFTER THE AREA TO RECEIVE FILL HAS BEEN PREPARED AND INSPECTED BY THE SOILS ENGINEER.
 - e. DRAINAGE DEVICE INSPECTION: AFTER FORMS, STEEL AND PIPE ARE IN PLACE, AND BEFORE ANY CONCRETE IS POURED.
 - f. ROUGH GRADING: WHEN ALL ROUGH GRADING HAS BEEN COMPLETED.

- g. FINAL INSPECTION: WHEN ALL WORK, INCLUDING INSTALLATION OF ALL DRAINAGE STRUCTURES AND OTHER PROTECTIVE DEVICES HAS BEEN COMPLETED AND THE "AS-GRADED" PLAN AND REQUIRED REPORTS HAVE BEEN SUBMITTED AND APPROVED.

THE PERMITTEE SHALL WAIT FOR APPROVAL BY THE INSPECTOR BEFORE PROCEEDING WITH THE WORK.

7. SUFFICIENT TESTS OF SOIL PROPERTIES, INCLUDING SOIL TYPES AND SHEAR STRENGTH SHALL BE MADE DURING THE GRADING OPERATIONS TO VERIFY COMPLIANCE WITH DESIGN CRITERIA. THE RESULTS OF SUCH TESTING SHALL BE FURNISHED TO THE BUILDING OFFICIAL UPON COMPLETION OF GRADING OPERATIONS OR WHEN NECESSITATED BY FIELD CONDITIONS UPON REQUEST OF THE BUILDING OFFICIAL.
8. THE GRADING CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT VERIFYING THAT WORK DONE UNDER HIS DIRECTION WAS PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND REQUIREMENTS OF CHAPTER 33 OF THE UNIFORM BUILDING CODE OR DESCRIBING ALL VARIANCES FROM THE APPROVED PLANS AND REQUIREMENTS OF THE CODE.
9. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE PERMITTEE.
10. DUST SHALL BE CONTROLLED BY WATERING.
11. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE FROM THE BEGINNING TO COMPLETION OF GRADING OPERATIONS.
12. ALL GRADING SHALL CONFORM TO THE RECOMMENDATIONS IN THE APPROVED GEOTECHNICAL REPORT BY _____ DATED _____.
13. THE CONTRACTOR SHALL INCORPORATE EROSION CONTROL MEASURES WHEN DEEMED NECESSARY BY THE BUILDING OFFICIAL. SEPARATE PLANS FOR TEMPORARY DRAINAGE AND EROSION CONTROL MEASURES TO BE USED DURING THE RAINY SEASON WILL BE SUBMITTED PRIOR TO SEPTEMBER 15, THE CONTROL DEVICES SHOWN ON SAID PLANS WILL BE INSTALLED NO LATER THAN OCTOBER 1, AND MAINTAINED IN OPERABLE CONDITION UNTIL APRIL 1.
14. THE ENGINEERING GEOLOGIST SHALL INSPECT AND APPROVE ALL CUT SLOPES.

15. PRIOR TO ISSUANCE OF THE BUILDING PERMITS, A SOIL EXPANSION TEST PERFORMED IN ACCORDANCE WITH THE PROCEDURES OF UNIFORM BUILDING CODE STANDARD NO. 18-2 IS REQUIRED.
16. PRIOR TO PLACING COMPACTED FILL, THE SURFACE SHALL BE STRIPPED OF VEGETATION AND THE SURFACE SCARIFIED TO A DEPTH OF 12 INCHES OR AS SPECIFIED BY THE SOILS ENGINEER AND APPROVED BY THE BUILDING OFFICIAL, BROUGHT TO OPTIMUM MOISTURE CONTENT, RECOMPACTED TO 90% MAXIMUM DENSITY AND INSPECTED BY THE GRADING INSPECTOR AND THE SOIL TESTING AGENCY.
17. CUT SLOPES SHALL BE NO STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
18. FILLS SHALL BE COMPACTED THROUGHOUT TO 90% OF MAXIMUM DENSITY AS DETERMINED BY UNIFORM BUILDING CODE SECTION 3313, LATEST EDITION ADOPTED BY THE CITY, AND CERTIFIED BY THE SOILS ENGINEER. NOT LESS THAN ONE FIELD DENSITY TEST WILL BE MADE FOR EACH 2 FEET OF VERTICAL LIFT OF FILL NOR LESS THAN ONE SUCH TEST FOR EACH 1,000 CUBIC YARDS OF MATERIAL PLACED. AT LEAST ONE-HALF OF THE REQUIRED TESTS SHALL BE MADE AT THE LOCATION OF THE FINAL FILL SLOPE.
19. FILL SLOPES SHALL BE NO STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL AND SHALL BE COMPACTED TO NO LESS THAN 90% OF MAXIMUM DENSITY OUT TO THE FINISHED SURFACE. ALL FILL SLOPES GREATER THAN 5 FEET IN VERTICAL HEIGHT SHALL BE GRID ROLLED TO COMPACT THE OUTER 6" TO 8" TO AT LEAST 90% OF MAXIMUM DENSITY.
20. NO ROCK OR SIMILAR MATERIAL GREATER THAN 12 INCHES IN DIMENSION WILL BE PLACED IN THE FILL UNLESS RECOMMENDATIONS FOR SUCH PLACEMENT HAVE BEEN SUBMITTED BY THE SOILS ENGINEER IN ADVANCE AND APPROVED BY THE BUILDING OFFICIAL.
21. NO FILL SHALL BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS AND INSTALLATION OF SUBDRAINS (IF REQUIRED) HAVE BEEN INSPECTED AND APPROVED BY THE SOILS ENGINEER AND THE CITY GRADING INSPECTOR.
22. CONTINUOUS INSPECTION BY THE SOILS ENGINEER OR HIS RESPONSIBLE REPRESENTATIVE WILL BE PROVIDED DURING ALL FILL PLACEMENT AND AND COMPACTION OPERATIONS.
23. ALL EXISTING FILLS SHALL BE APPROVED BY THE SOILS ENGINEER AND THE BUILDING OFFICIAL OR HIS REPRESENTATIVE BEFORE ANY ADDITIONAL FILLS ARE ADDED.

24. ALL TRENCH BACKFILLS SHALL BE TESTED AND CERTIFIED BY THE SOILS ENGINEER.
25. ALL CONCRETE STRUCTURES THAT COME IN CONTACT WITH THE ONSITE SOILS SHALL BE CONSTRUCTED WITH TYPE 5 SIX (6) SACK CEMENT UNLESS SULFATE-CONTENT TESTS CONDUCTED BY THE SOILS ENGINEER SHOW IS TO BE UNNECESSARY.
26. THE CIVIL ENGINEER SHALL PROVIDE PROFESSIONAL INSPECTION WITHIN SUCH ENGINEER'S AREA OF TECHNICAL SPECIALTY, WHICH SHALL CONSIST OF OBSERVATION AND REVIEW AS TO THE ESTABLISHMENT OF LINE, GRADE AND SURFACE DRAINAGE OF THE DEVELOPMENT AREA.
27. THE SOILS ENGINEER SHALL PROVIDE SUFFICIENT INSPECTION DURING THE PREPARATION OF NATURAL GROUND AND PLACEMENT OF COMPACTION TO VERIFY THAT SUCH WORK IS BEING PERFORMED IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PLAN AND THE REQUIREMENTS OF THE UNIFORM BUILDING CODE SECTION 3317.3 LATEST EDITION ADOPTED BY THE CITY. REVISED RECOMMENDATIONS RELATING TO CONDITIONS DIFFERING FROM THE APPROVED SOILS ENGINEERING REPORT SHALL BE SUBMITTED TO THE PERMITTEE, THE BUILDING OFFICIAL, AND THE CIVIL ENGINEER.
28. THE ENGINEERING GEOLOGIST SHALL PROVIDE A PROFESSIONAL INSPECTION OF THE BEDROCK EXCAVATION TO DETERMINE IF CONDITIONS ENCOUNTERED ARE IN ACCORDANCE WITH THE APPROVED REPORTS, THE PLANS, SPECIFICATIONS AND CODE WITHIN THEIR PURVIEW, IN ACCORDANCE WITH THE UNIFORM BUILDING CODE SECTION 3317.4, LATEST EDITION ADOPTED BY THE CITY.
29. THE PERMITTEE SHALL BE RESPONSIBLE FOR THE WORK TO BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND IN CONFORMANCE WITH THE PROVISIONS OF THE UNIFORM BUILDING CODE SECTION 3317.5, AND THE PERMITTEE SHALL ENGAGE CONSULTANTS, IF REQUIRED, TO PROVIDE PROFESSIONAL INSPECTIONS ON A TIMELY BASIS. THE PERMITTEE SHALL ACT AS A COORDINATOR BETWEEN THE CONSULTANTS, THE CONTRACTOR AND THE BUILDING OFFICIAL. IN THE EVENT OF CHANGED CONDITIONS, THE PERMITTEE SHALL BE RESPONSIBLE FOR INFORMING THE BUILDING OFFICIAL OF SUCH CHANGE AND SHALL PROVIDE REVISED PLANS FOR APPROVAL.
30. ANY REVISION MADE IN THE APPROVED GRADING AS SHOWN ON THE GRADING MUST BE SPECIFICALLY APPROVED BY THE BUILDING OFFICIAL OR HIS DESIGNATED REPRESENTATIVE.
31. PRIOR TO FINAL APPROVAL OF ROUGH GRADING THE CIVIL ENGINEER

SHALL SUBMIT AN "AS-BUILT" GRADING PLAN, IN ACCORDANCE WITH SECTION 3318.1 FOR APPROVAL BY THE BUILDING OFFICIAL. THIS PLAN SHALL SHOW ORIGINAL GROUND SURFACE AND AS-GRADED GROUND SURFACE ELEVATIONS, ALL FEATURES SHOWN ON THE APPROVED GRADING PLAN, FINAL PAD GRADES, THE ACTUAL LOCATIONS AND ELEVATIONS OF ALL SUBDRAINS, ROCK DISPOSAL SITES, KEYWAYS, BUTTRESS OR STABILITY FILLS AND ANY OTHER REMEDIAL GRADING, ANY VARIANCES BETWEEN THE FINISHED WORK AND THE APPROVED PLANS, ACTUAL YARDAGE MOVED (INCLUDING REMEDIAL GRADING) AND A CERTIFICATION THAT THE "AS-BUILT" PLANS SHOWS THE ABOVE ITEMS. ROUGH GRADING WILL NOT BE APPROVED UNTIL AFTER THE "AS-BUILT" GRADING PLAN.

32. FOR ROUGH GRADING THE CONTRACTOR SHALL CONSTRUCT BERMS AT THE TOP OF ALL MANUFACTURED SLOPES AS SHOWN PER DETAIL ON THIS PLAN.
33. FINISH GRADING WILL BE COMPLETED AND APPROVED AND SLOPE PLANTING AND IRRIGATION SYSTEM INSTALLED BEFORE OCCUPANCY OF ANY BUILDING AND BEFORE RELEASE OF ANY GRADING BONDS.
34. ALL CUT AND FILL SLOPES OVER 5 FEET IN VERTICAL HEIGHT SHALL BE PLANTED AND PROVIDED WITH AN IRRIGATION SYSTEM IN ACCORDANCE WITH AN APPROVED LANDSCAPE PLAN.
35. ALL REQUIREMENTS OF THE APPROVAL OF TENTATIVE TRACT NO. _____ APPLICABLE TO THE FINAL MAP SHALL BE MET BY THE APPLICANT.
36. ALL REQUIREMENTS OF THE PLANNING COMMISSION RESOLUTION NUMBER(S) _____ SHALL BE MET.

UT PUBLIC WORKS DESIGN MANUAL 12064,
ELEVATION 773.361 FEET (NAVD 88).

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND
RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING
CONSTRUCTION OF THIS PROJECT, INCLUDING
ALL PERSONS AND PROPERTY; THAT THIS SHALL APPLY
JUSTLY AND NOT BE LIMITED TO NORMAL WORKING HOURS;
THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD
HARMLESS THE ENGINEER FROM ANY AND ALL
CLAIMS OR ALLEGED, IN CONNECTION WITH THE
PROJECT, ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR
CONTRACTOR.

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND
REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE
BEGINNING OF ANY WORK. IT IS THE RESPONSIBILITY OF THE
CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
ACCEPTANCE OF WORK MEANS ACCEPTANCE OF CONDITIONS.

CONTRACTOR SHALL COMPLY WITH ALL N.P.D.E.S. REQUIREMENTS.
CONTRACTOR SHALL ADJUST TO FINISH GRADE ALL MANHOLE RIMS,
VALVE BOXES, UTILITY BOXES AND LIDS, ETC.

THE ENGINEER PREPARING THESE PLANS WILL NOT BE
LIABLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR
OTHER CHANGES TO THE PLANS. ALL CHANGES TO THE PLANS MUST BE IN
WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE

EARTHWORK:

ESTIMATE FOR BOND PURPOSES ONLY.

CONTRACTOR TO VERIFY HIS OWN QUANTITIES.

SITE CUT - 121 CU. YD.

SITE FILL - 121 CU. YD.

BUILDING OVER-EX (5) - 1,197 CU. YD.

PARKING OVER-EX (2) - 169 CU. YD.

WALKWAY OVER-EX (2) - 113 CU. YD.

TOTAL EARTHWORK - 1,600 CU. YD.

PROJECT LIMITS

ESMT	EASEMENT	EX	EXISTING
FL	FLOW LINE	TW	TOP OF WALL
HP	HIGH POINT	LP	LOW POINT
ME	MATCH EXISTING	PAV	PAVEMENT
GF	GRADE AT FOUNDATION	GB	GRADE BREAK
TC	TOP OF CURB	SW	SWALE
HC	HANDICAP PARKING STALL	FG	FINISH GRADE
TG	TOP OF GRATE	CF	CURB FACE
BW	BACK OF WALK	FF	FINISH FLOOR
FS	FINISH SURFACE	AD	PAD ELEVATION
LS	LANDSCAPE AREA		

APPROVED - *Water Engineering* - *12-1-09*

BY: *[Signature]* DATE: 11/24/09
ACCEPTED BY PLANNING DIVISION

BY: *[Signature]* DATE: 11-30-09
ACCEPTED BY BUILDING OFFICIAL

BY: *[Signature]* DATE: 11/24/09
DEP. PUB. WKS. DIR. / ASST. CITY ENG.

CITY OF POMONA
PUBLIC WORKS DEPARTMENT/ENGINEERING DIVISION

GRADING PLANS

INLAND VALLEY HUMANE SOCIETY
500 SOUTH HUMANE WAY

SCALE	DESIGNED: _____	SHT. <u>1</u>
AS SHOWN	DRAWN: _____	OF _____
	CHECKED: _____	
	REVIEWED: _____	
	REVIEWED (CONST): _____	<u>2</u> SHTS

WARE MALCOMB
10 address
Berkeley, California 94708
P 949.860.9128 F 949.863.1781

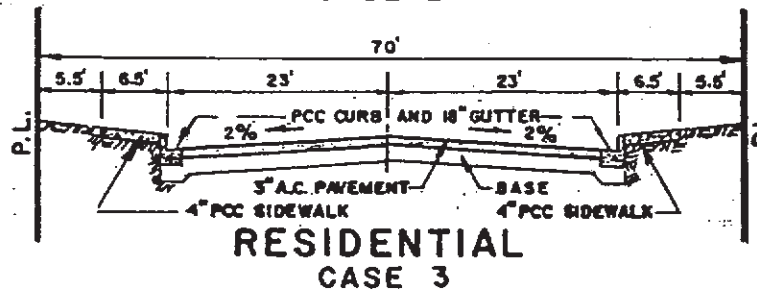
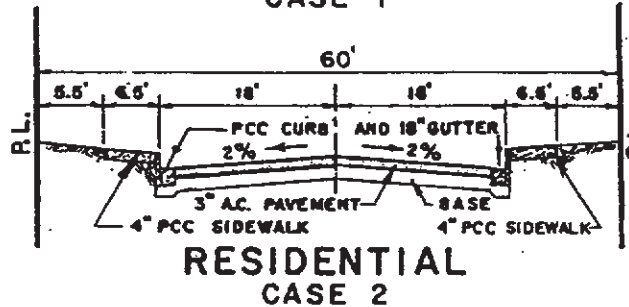
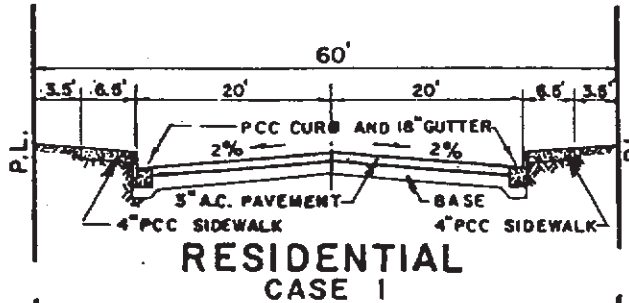
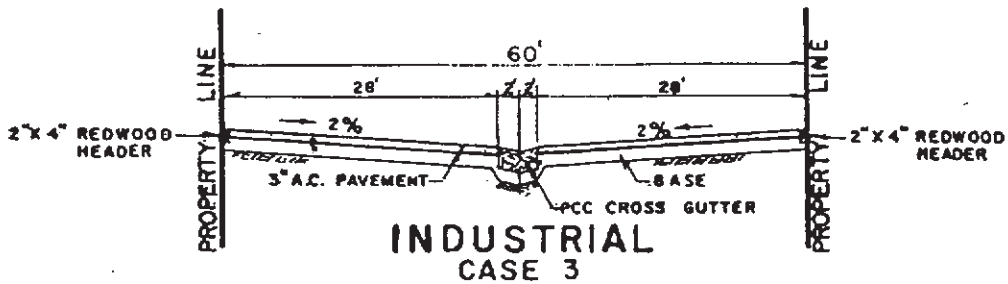
ENGINEERS SEAL
REGISTERED PROFESSIONAL ENGINEER
FELIX GONZALEZ
No. 87860
Exp. 8-30-2011
STATE OF CALIFORNIA
CIVIL

PREPARED UNDER THE DIRECT SUPERVISION OF:
[Signature]
FELIX GONZALEZ NO 67680
DATE: 11-23-09
EXP. 6/30/11

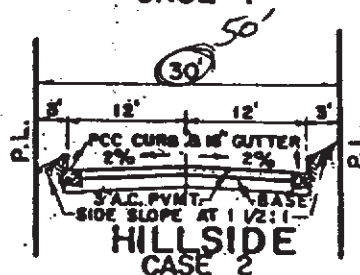
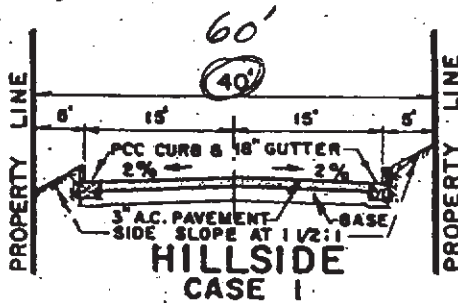
REVISIONS	DATE	INITIALS

DIG ALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
CALL FREE
8-1-1
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

FK-1241 A



SEE ORD 2202



-NOTES-

1. In all cases except HILLSIDE streets, the slope from top of curb to property line is 1/4" per foot.
2. Sidewalk shall be constructed adjacent to curb, unless approved by City Engineer.
3. Base requirement shall be determined by R-value & T.I. City Engineer shall assign T.I. number. T.I. = 4.5 in all RESIDENTIAL cases.

CITY OF POMONA			
ENGINEERING DEPARTMENT			
STANDARD			
ROADWAY CROSS SECTIONS			
DWN.	CKD.	APPROVED	
		<i>James J. Hudak</i>	4/7/71
MW.	<i>L.D.</i>	CITY ENGINEER R.E. 16350	DATE
STD NO A 1 71 - II			