

TYPE OF PLAN

GRADING NOTES

(Effective July 1, 2018)

1. Grading shall be in accordance with chapter 18 of California Building Code, Latest Edition, and/or Soils Report,
No. _____,
Dated: _____
Prepared By: _____
Telephone No. _____

2. The soils engineer and the engineering geologist shall exercise sufficient supervisory control during grading to ensure compliance with the plans, specifications and code within their purview.

3. The design civil engineer shall exercise sufficient control during grading and construction to ensure compliance with the plans, specifications and code within his purview.

4. During rough grading operations and prior to construction of permanent drainage structures, temporary drainage control shall be provided to prevent ponding water and damage to adjacent property.

5. After clearing, existing ground shall be scarified to a minimum of 6" on the entire site or as recommended by the soils report.

6. Cut and fill slopes shall be no steeper than 2:1.

7. Pads shall be compacted to a minimum of 90% relative density per A.S.T.M. specifications and the above mentioned soils report.

8. Minimum building pad drainage shall be 2%. Drainage swales shall be a minimum of 0.3' deep and be constructed a minimum of 2' from the top of cut or fill slopes. The minimum slope of swales shall be 0.50%.

9. All fills shall be compacted to a minimum of ninety (90) percent of maximum density as determined by the California Building Code or equivalent as approved by the City Engineer. Field density shall be determined in accordance with the California Building Code, or equivalent, as determined by the City Engineer.

10. All street sections are tentative. The minimum section is 3" A.C. over 4.5" class II base. Additional soil test(s) shall be required after rough grading to determine exact section requirements. The City Engineer Shall approve the final street section.

11. The City Engineer will review for approval the final street sections after submittal of "R" value tests for roadway sub-base.

12. Locations of field density tests shall be determined by the Soils Engineer or approved test agency and shall be sufficient in both horizontal and vertical placement to provide representative testing of all fill placed. testing in areas of a critical nature of special emphasis shall be in addition to the normal representative samplings.

13. The final compaction report and approval from the Soils Engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density and shall be so noted for each test. Sufficient maximum density determination shall be performed to verify the accuracy of the maximum density curves used by the field technician.

14. All underground facilities, with laterals, shall be in place and inspected prior to paving, including but not limited to the following: sewer, water, electric, gas and drainage. The curb shall be "etched" showing all lateral locations "S" For Sewer, "G" for gas, etc...

15. The final utility line backfill report from the project Soils Engineer shall include an approval statement that the backfill is suitable for the intended use.

16. Block walls permits are not part of the Grading Permit. Submit for separate Building Permit(s).

17. The Contractor is responsible to prevent silt contamination of stormwater infiltration facilities during construction. Immediately prior to final acceptance of storm drainage retention/infiltration facilities, the Contractor shall conduct, in the presence of the City Inspector, a performance test designed to clearly demonstrate the functional adequacy of the facilities.

18. The Contractor shall provide wind erosion and dust control measures as required by the Fugitive Dust Control Plan (PM-10 PLAN) approved for this project.

19. The Contractor shall provide erosion control measures as required by the Erosion Control Plan approved for this project.

20. Prior to the installation of any hard surface or the building pad, the design Engineer or Architect shall provide the City Engineering Inspector and the City Chief Building Official with a certified letter stating that all critical areas of ADA accessibility, pedestrian path-of-travel, ADA parking areas, ramps, runs or other associated structures as requested by the Inspector have been constructed per plan and the Engineer and/or Architect certifies these items will meet all plan, ADA, Building Code, CALBO or similar code requirements.

PAVING NOTES

(Effective July 1, 2018)

1. All underground facilities, including service laterals, shall be in place with trenches compacted and tested prior to base grade inspection and paving. The Contractor shall submit written evidence to the City, issued by the respective utility purveyor, indicating the subsurface portion of their underground facilities have been installed and accepted.

2. A separate permit is required for all excavations within existing roadways and travelways. Lane closures and detours shall be posted, delineated and lighted in conformance with The Standards and Guidelines for Temporary Traffic Control Zone per latest edition of CA-MUTCD and any additional requirements deemed necessary by the City Engineer.

3. Asphalt concrete paving, except for overlays, shall be installed in two (2) or more courses with mix designs that conform to section 400.3.2 of the standard specifications (Green Book) noted as follows:

Wearing Course (Upper Course): PG-70-10 (½" MIN.)

Base Course (Lower Course): PG-70-10 (¾" MIN.)

4. The wearing course shall be 0.1 feet thick. The base course(s) shall contain the balance of the required asphalt concrete thickness. At least seven (7) days prior to commencement of paving operations, the Contractor shall submit for City approval a complete proposed mix design identifying the mix characteristics such as: aggregate gradations, voids in mineral aggregate, (VMA) air voids and S-Value for various oil contents for each mix.

5. A tack coat shall be applied to existing pavement, P.C.C. Surfaces and the A.C. base course, if traffic has driven on it. The tack coat shall be slow setting anionic emulsified asphalt type "SS-1H" conforming to Section 203-3 of the Standard Specifications. The liquid asphalt shall be grade 60-70 and applied at the rate of 0.1 Gal/SY.

6. New improvements that join existing improvements shall match in a manner satisfactory to the City Engineer. Construction operations required to achieve a safe, durable and aesthetically pleasing transition between the new and existing improvements, may include saw cutting, removal, replacement, capping, and/or cold planning, as needed.

7. All manholes and valve box frames shall be adjusted to final grades after pavement installation is completed.

8. The curb shall be etched or stamped showing utility service lateral locations as follows: "S" for sewer, "G" for gas, and "E" for electrical power



Section 4216/4216.9 of the Government Code requires a DIG ALERT Identification Number be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D Number Call Underground Service Alert 811 two working days before you dig

[illegible]

BENCH MARK:	ELEV.
DESCRIPTION:	

APPROVED FOR PERMITTING PURPOSES ONLY:

ARMANDO J. GARCIA BALDIZZONE P.E. _____ DATE _____
R.C.E. 70102 ~ CITY ENGINEER

RECOMMENDED FOR APPROVAL BY:

_____ DATE _____

SEAL

SEAL

PREPARED BY: _____

_____ DATE _____

ENGINEERING FIRM LOGO & INFORMATION

TYPE OF IMPROVEMENTS	
	TEXT
	TEXT
	TEXT
	TEXT

SHEET
1
OF
X
SHEETS