



These notes are to be placed on the first drawing sheet(s) as applicable to your project.

The City title block is to be positioned in the bottom, right corner of each sheet. Drawing numbers for the title block will be provided by the Engineering Division.

**A. General Notes:**

1. No work shall commence until all necessary permits have been obtained from the City and other appropriate agencies.
2. The contractor shall notify the Engineering Division at 619-667-1166 at least 48-hours prior to commencement of any type of grading or construction activity.
3. All existing utilities or structures reported by the utility companies are indicated hereon based on information of record. It shall be the duty of the contractor to make a determination as to the location of all utilities. The contractor shall not begin work until he/she has made this determination. The contractor shall be responsible for any and all damages which might be occasioned by his/her failure to locate and preserve any and all utilities. Call Underground Service Alert at 1-800-422-4133 a least two working days before starting construction.
4. All operations conducted on the premises, including the warming up, repair, arrival, departure or running of trucks, earthmoving equipment, construction equipment and any other associated grading equipment shall be limited to the period between 7:00 am and 6:00 pm each day, Monday through Friday, and no earth working or grading operations shall be conducted on the premises on Saturdays, Sundays or holidays
5. Neither the owner, the designer, nor the engineer will enforce safety measure regulations. The contractor shall design, construct, and maintain all safety devices, including shoring and bracing, and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations. Contractor agrees that he/she shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with performance of work on this project, with exception for liability arising from the sole negligence of the owner, architect or the engineer.
6. Notwithstanding the minimum standards set forth in the grading ordinance and notwithstanding the approval of these grading plans, the permittee is responsible for the prevention of damage to adjacent property. No person shall excavate on land so close to the property line as to endanger any adjoining public street, sidewalk, alley or function of any sewage disposal system or any other public or private improvements without supporting and protecting such improvements from settling, cracking, erosion, silting, scour or other damage which might result from the grading described on this plan. The City will hold the permittee responsible for all damages and the permittee shall repair or remove and replace at no cost to the City.

7. The applicant/developer shall provide, before commencement of any type of grading operation and construction of private or public improvements, a "Haul Route" map and related traffic control map which will be reviewed and approved by the City Engineer.
8. The City of La Mesa will not maintain, or assume responsibility or liability for, private drainage systems or runoff. It shall be the responsibility of the property owner to maintain and prevent damage from flooding to adjacent properties.
9. The contractor shall protect existing public and private improvements. If any existing improvements are damaged during the course of construction of the project, the contractor shall repair or remove and replace at their expense.
10. The centerline stationing shown on these plans is based on \_\_\_\_\_.
11. Unless otherwise shown, all sewer and water laterals shall be installed normal to the main.
12. Construction staking shall be performed by the applicant's engineer of record. Property lines and right of way lines shall be staked if requested by the Inspector.
13. All temporary paving placed by any contractor, subcontractor or utility company shall remain in the public right-of-way for not more than thirty calendar days on residential streets and 72 hours on all other streets, prior to placement of permanent pavement.
14. The owner/contractor shall provide erosion control as shown in erosion control plans.

**B. Grading Notes:**

1. All grading shall be performed in accordance with the approved plans and City of La Mesa Standards.
2. Approval of this grading plan does not constitute approval of vertical or horizontal alignment of any private road shown hereon for public road purposes.
3. Grading plans are not approved for public improvements, except where identified on the plan sheets.
4. Final approval of these grading plans is subject to final approval of the associated improvement plans where applicable.
5. Import material shall be obtained from, and export material shall be disposed of at, a legal site.
6. Approval of these plans by the City Engineer does not authorize any work or grading to be performed until the property owner's permission has been obtained and a valid grading permit has been issued.
7. The City Engineer's approval of these plans does not constitute the Building Official's approval of any foundation for structures to be placed on the area covered by these plans.
8. All major slopes shall be rounded into existing terrain to produce a contoured transition from cut or fill faces to natural ground and abutting cut or fill surfaces.
9. Fill slopes shall be compacted to a relative compaction of 90 percent of maximum dry density or as recommended by the Soils/Geotechnical Engineer.

- 10. Earthwork quantities shown hereon are for bonding purposes only.
- 11. All proposed contour grades and spot elevations shown are to top of paving, finished floor or finished grade in landscaped areas.
- 12. The owner/contractor shall provide erosion control as required by the City's Erosion Control Policy.
- 13. Cut \_\_\_\_\_ CY                      Fill \_\_\_\_\_ CY                      Import/Export \_\_\_\_\_ CY
- 14. Area of hardscape \_\_\_\_\_ sq. ft.
- 15. Total disturbed area \_\_\_\_\_ sq. ft.
- 16. Existing site slope \_\_\_\_\_ %

**C. Storm Water Management and Discharge Control:**

- 1. The contractor shall comply with City Municipal Code Chapter 7.18 (Storm Water Management and Discharge Control).
- 2. The contractor shall be responsible for implementing Best Management Practices (BMPs) to eliminate pollutant discharge to the public streets and storm drain system, prior to commencement of any grading or construction on the site.
- 3. The contractor shall implement the erosion control measures as shown on erosion control plans and take remedial and preventive action immediately when pollutant discharge occurs and/or as directed by the city engineer or the building official. The contractor shall be required to place additional erosion control materials as the site condition warrants.
- 4. NO sand, silt, concrete wash, debris and any other pollutants shall be allowed to enter public streets and storm drain system.
- 5. Paved areas shall be swept by combination of power broom and/or air vacuum sweepers.
- 6. All of the above conditions shall apply starting the first day of construction and shall remain in effect until all work has been completed.

Storm Water BMP Responsible Party contact Information:

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
 Firm Name: \_\_\_\_\_ (24 Hour) Phone: \_\_\_\_\_

**D. Grading, Retaining wall & Drainage Data Table: (To be shown on the plan)**

- 1. Zoning: \_\_\_\_\_
- 2. Area of the lot/parcel (sq. ft) \_\_\_\_\_
- 3. Site to be graded (%) \_\_\_\_\_
- 4. Site area with existing slopes 25% or more (%) \_\_\_\_\_
- 5. Cut \_\_\_\_\_ Fill \_\_\_\_\_, Import/Export \_\_\_\_\_

- 6. Maximum height of FILL slopes \_\_\_\_\_
- 7. Maximum height of CUT slopes \_\_\_\_\_
- 8. Number of retaining walls \_\_\_\_\_
- 9. Total length of retaining walls (ft) \_\_\_\_\_
- 10. Maximum height of retaining walls (ft) \_\_\_\_\_
- 11. Total area of retaining wall (sq. ft.) \_\_\_\_\_
- 12. Collection & disposition of on site drainage to: \_\_\_\_\_

**E. Soils / Geotechnical Report:** (When required)

- 1. A geotechnical report for this project was prepared by :

Engineer's Name \_\_\_\_\_ Firm Name \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

Project No. \_\_\_\_\_ Date prepared \_\_\_\_\_

- 2. Daily inspection and testing reports, if required, shall be prepared by the geotechnical engineer. The reports shall be immediately available to the City of La Mesa inspector on request.
- 3. The City of La Mesa may require a second geotechnical engineer to verify tests prepared by the project soils engineer where good cause exists.
- 4. The applicant/developer shall provide compaction reports as required by the City inspector.
- 5. The applicant/developer shall pay for all tests to be performed by the geotechnical/soil engineer.

**F. Geotechnical Engineer Certification:** (When required)

I have reviewed these plans and have found them to be in conformance with the design and construction recommendations as specified in the geotechnical investigation report prepared by:

Firm: \_\_\_\_\_ Name: \_\_\_\_\_ Project No.: \_\_\_\_\_

Dated: \_\_\_\_\_

\_\_\_\_\_  
Name Registration No.

"As graded" report dated \_\_\_\_\_ by \_\_\_\_\_

**G. Contour/Topo/Elevations:**

The contours/topo/elevations shown on these plans are based on field survey / measurements performed on (date) \_\_\_\_\_, by (name of surveyor or engineer) \_\_\_\_\_.

**H. Existing Monuments, Survey Markers, and Property Corners:**

- 1. The contractor shall re-establish any monument or benchmarks which are disturbed during construction.
- 2. A Corner Record or Record of Survey as appropriate shall be filed by a licensed land surveyor or registered Civil Engineer as required by the Land Surveyors Act.

**I. Asphalt Concrete, Portland Cement Concrete, Trench Backfill, and Compaction Requirements:**

1. All existing improvements, including street pavement, shall be saw cut.
2. Asphalt concrete shall be laid in two (2) lifts minimum. A.C. for the base course shall be Class B-PG 64-10 (3/4"). A.C. for the surface course shall be Class D1-PG 64-10 (3/8"). Refer to Green Book. Surface course shall be 1.0" thick minimum. Use Caltrans specifications for major/F.A.U. streets.)
3. On site parking lots shall be paved with a minimum of 3" A.C. over 4" Class 2 or D.G. base or as recommended by the geotechnical engineer based on "R" value.
4. The street section shall be adjusted during construction in accordance with the recommendations of the geotechnical engineer and approval of the City Engineer. (Refer to typical section.)
5. All concrete curbs, sidewalks, driveways, and swales shall be constructed on a minimum of 3" DG base.
6. Trench backfill for all utilities in public right-of-way and in public easements shall be DG or Class 2 material. Trench backfill for major/F A.U. streets shall be Class 2 material.
7. All onsite private improvements may be constructed on native or other suitable base material if approved by a geotechnical/soils engineer.
8. Asphalt concrete pavement section shall be 4"A.C. on 8" Base minimum, and 6" A.C. on 10" Base minimum for major/F.A.U. streets or 1" thicker than existing pavement thickness, whichever is greater.
9. The upper two and one-half (2.5) feet of the trench measured from top of pavement in the public right of way/public streets shall be compacted to a relative compaction of 95 percent of maximum dry density.
10. Class 2 material shall meet Caltrans specifications, Section 26-1.02A (3/4" maximum).
11. Disintegrated granite (D.G.) shall meet the Green Book specifications, Section 400-2.31.
12. For material testing, refer to Caltrans specifications, Section, 6-3.01

**J. Landscape & Irrigation:**

1. All slopes over three feet in height shall be planted.
2. All major cut and fill slopes (those in excess of 15 feet vertically) shall be planted. Required irrigation system shall be installed. At the discretion of the City Engineer, any slope that is considered a potential erosion hazard must also be planted.
3. Landscape and irrigation plans shall be approved by the Planning Division prior to issuance of permits.
4. The owner shall install and maintain landscape and irrigation system between the curb and the property line.

5. All retaining wall drains shall be tied to the yard drain system where applicable.

**K. Permits:**

1. An encroachment permit from the City Engineer's office will be required for any work in the City right-of-way, or public easements.
2. Encroachment Removal Agreement, subject to approval of the City Engineer, shall be executed for any type of private improvements encroaching into the public right of way or public easements (e.g.: retaining wall, footing, fence, steps, signs, stamped concrete, asphalt concrete driveway, etc.).
3. A grading permit shall be required from the Building Department.
4. Permit from the Department of Occupational Safety & Health (DOSH) for construction of trenches or excavations which are five feet or deeper and into which a person is required to descend.
5. All onsite retaining wall construction shall require separate building permit.
6. A letter of permission required from property owners if grading and any other work will be performed on adjacent properties.
7. Transportation permit for unusually wide and heavy loads.

**L. Construction Changes:**

1. All construction and/or design changes to the approved plans shall be proposed by the engineer of work.
2. Major changes to the design shall be marked on the plans and submitted to the City for approval.
3. The contractor shall clearly mark all changes in red on the construction drawings.
4. If any construction revisions to the approved plans, including revisions to the record plans, require City staff review, then addition plan check and inspection fees will be required. The fee will be 125% of staff hourly rate. The minimum fee shall be \$100.
5. The applicant, engineer and building designer are encouraged to prepare plans as accurately as possible to avoid additional fees.

**M. Material Substitution:**

1. Material substitution shall be proposed by the engineer of work. The proposal shall include specifications, test results and other relevant information for review and approval by the City Engineer.
2. No material shall be substituted without approval by the City Engineer.

**N. Construction Noise:**

The contractor shall comply with City Municipal Code Chapter 10.80 Noise Regulation. Construction of public improvements shall be limited to the period between 7 a.m. and 4:30 p.m. each day, Monday through Friday. No work shall be performed on Saturdays, Sundays, or Legal Holidays

**O. Contractors License and Liability Insurance:**

The contractor shall furnish the city a policy or certificate of liability insurance in which the agency is the named insured or is named as an additional with the contractor. A combined single limit policy with aggregate limits in the amount of \$1,000,000 will be considered equivalent to the required minimum limits (Section 7-3 of the Green Book).

Prior to issuance of the encroachment permit, the prime contractor must have Class 'A' license (general engineering contractor) or \_\_\_\_\_ as approved by the city engineer.

The contractor shall provide proof of insurance and license prior to issuance of the encroachment permit.

**P. Business License:**

The contractors and subcontractors are required to obtain a business license prior to the commencement of any type of construction or grading operation pursuant to the La Mesa Municipal Code Section 6.08.010 thru 6.08.240. For information contact the La Mesa Finance Department at 619-667-1118.

**Q. Bond Release, "As-Built" or Record Plans and Electronic Files:**

The contractor shall maintain one set of plans with all construction changes. The plan shall be made available to the engineer of work to prepare Record Plans. The bond will be released and the final occupancy permit will be issued only after the Record Plans (mylars) are provided with an electronic file and the plans are reviewed and approved by the City Inspector.

**R. Additional Fees And User Fee Cost Recovery Policy (Resolution No. 2004-071):**

Additional plan review and inspection fees will be charged for construction revisions to the approved plans. The minimum fee will be for one-half hour of the city staff time. The engineers, architects and designers are encouraged to prepare plans as accurate as possible to avoid additional fees.




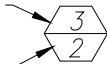







**S. Work To Be Done:**

The work to be done consists of the improvements shown on these plans, in accordance with the Standards and Specifications and to the satisfaction of the City Engineer.

**T. Standard Specifications and Standard Drawings:**

1. Design criteria for public improvements, adopted by the City Council of the City of La Mesa as Resolution No. 15570, effective July 28, 1987.
2. Standard Specifications for Public Works Construction, "Green Book" and Regional Supplement Amendments (2006 edition).
3. California Building Code (2001 edition) and City of La Mesa Municipal Code Chapter 14.05, Building Regulations.
4. City of La Mesa standard drawings, including San Diego Area Regional Standard Drawings (2006 Edition).
5. Standard Specifications and Standard Plans, Department of Transportation (Caltrans 2002 Edition)
6. Helix Water District Water Agency Standards (WAS).

**U. Legend (Sample)**

<u>Description</u>	<u>Standard Dwg.</u>	<u>Symbol</u>	<u>Quantity</u>
6" CURB			LF
6" CURB & GUTTER			LF
FINISH SURFACE ELEV.		FS	
TOP OF CURB ELEV.		TC	
FLOW LINE		FL	
DIRECTION OF DRAINAGE			
EXISTING SPOT ELEV.		98.0	
DETAIL IDENTIFICATION		 DETAIL NO.  3 SHEET NO.  2	
FIRE SERVICE LATERAL			
WATER LATERAL			EA
SEWER LATERAL			EA
STORM DRAIN LATERAL			
GRAVEL BAGS			EA

**V. 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 & Professions Code, and that the design is consistent with current standards. I understand that the check of project drawings and specifications by the City of La Mesa is confined to a review only and does not relieve me, as Engineer of Work, of my responsibilities for project design.

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Engineer of Work	RCE No.	Exp. Date
Address		
Phone Number		