



Grading Permit Checklist

Revised on 9/8/2022

[Waiver of Precise Grading Plan and Soils Report Requirements for Group R-3 Occupancy Structures with Building Footprint of 1,200 S.F. or Less](#)

After reviewing the waiver requirements above, please proceed if the project requires a grading permit

The purpose of this checklist is for Development Services to provide uniform, comprehensive, and well documented reviews of the Grading Plans submitted by project applicants. The completed checklist will be transmitted to the project applicant with each plan check. The completed checklist will be retained within the project case file. The City Engineer shall make the final determination in the event of any discrepancy or conflict of the requirements and procedures provided by the City.

Grading Plan Check Number: GRA202 -0

Project Name: _____

Project Address: _____

Name of Plan Checker: _____

First Review: Grading Plan received on: _____

Review completed on: _____

Second Review: Grading Plan received on: _____

Review completed on: _____

Third Review: Grading Plan received on: _____

Review completed on: _____

Subsequent Review: Grading Plan received on: _____

Hillside Grading Hearing: (N/A) /Date: _____

Public Works Department
 200 S Anaheim Blvd-276
 Anaheim, CA 92805
 Telephone Number: (714) 765-5176
 Fax Number: (714) 765-5525

CHECK LIST FOR PREPARATION AND SUBMITTAL OF GRADING PLANS

Legend:

√ = Completed, **X** = Incomplete, **NA** = Not Applicable, **?** = Provide More Information

Plan Check No.				CHECKLIST
1	2	3		SUBMITTAL REQUIREMENTS
				1. Grading plan to be prepared by the Civil Engineer on 24" x 36"
				2. Sheets at scale 1" = 10', 20', 30', 40' or other acceptable standard engineering scale and submit to Public Works electronically via GoPost on the City Website.
				3. Minimum text size is 0.1"
				4. All plan set sheets shall be stamped and signed by a licensed engineer.
				5. Plan checking, inspection deposit, and permit fee indicated in the current Public Works most current fee schedule at the time of submittal.
				6. Include Conditions of Approval for project, if applicable. (Planning Commission, City Council, etc.) To be included as a separate attachments via GoPost
				7. Upload reference plans, field survey or recorded maps to GoPost .
				8. Approval(s) from other agencies such as Caltrans, Railroad, Water Districts, GHAD, etc.
				9. Final Water Quality Management Plan if applicable. (see OC DAMP [Table 7-1] for applicability (Development WQMP Checklist Anaheim 211207))

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				10. If the project is susceptible to liquefaction, please address in the soils report
				11. Geotechnical/Soils Report if applicable
				12. Drainage study if applicable
				HILLSIDE SUBMITTAL REQUIREMENTS
				1. See items 1-10 under "Submittal Requirements"
				2. Construction notes and quantities for hillside grading, including retaining walls and landscape improvements. Retaining walls may require a separate permit in accordance with building department requirements.
				3. Engineer's Construction Cost Estimates for bond purposes, grading, all drainage devices, landscaping and irrigation and retaining walls for hillside grading projects. If grading plans include offsite improvements (generally work within the public ROW), a separate cost estimate shall be prepared for the improvements.
				4. Soils report shall address the potential for landslides, liquefaction, and GHAD
				5. If project site is located in the Santiago Geologic Hazard Abatement District (GHAD) a separate review/approval from the GHAD is required Contact information: Santiagohad.org Matt Swanson 320 Goddard Way, Ste. 100 Irvine, CA 92618 Office: (949) 529-3479 Mobile: (925) 570-7999 Email: mswanson@engeo.com
<u>Comments and notes:</u>				

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1	2	3		FORMATTING
				1. See Title Sheet and Subsequent Sheets Template on the City Website for formatting requirements. (Flatland Grading and Hillside Grading Title Sheets)
				2. North arrow, graphic scale in feet (1" = 10', 20', 30, 40' or other acceptable standard engineering scale), vicinity (showing the nearest freeway-arterial street intersection) and location map (showing the nearest x-street).
				3. Sheet index
				4. Legal description and Assessor's Parcel Number
				5. The purpose of the work, including a statement as to whether the purpose of the excavation is to prepare the site for subdivision under the Subdivision Map Act.
				6. Legend and abbreviations
				7. List of utilities with contact names and phone numbers
				8. Property owner and/or developer name, address, and phone
				9. Property address and street name
				10. Civil Engineer's name, license number, company name, address, and phone.
				11. Civil Engineer's plan preparation certification with seal with opaque ink and signature. (Verify the listed PE numbers and expiration date with the CA board of Registration)
				12. Soil Engineer's name, company name, address, and phone number
				13. City signature blocks (reference Flatland Block or Hillside Block)
				14. City Standard Water General Notes (reference Flatland Block or Hillside Block)
				15. If existing topography is shown as a screened line work, show the existing items at 70% of original intensity (30% screening).
				16. Items to be constructed per the Grading Permit, must be included as part of the plans. References to landscape, building Plans for any item to be constructed per the Grading Plan are not allowed.
1	2	3		PLAN REQUIREMENTS

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			1. Site Demolition Plan showing disposition of existing improvements, existing storm drains, underground pipes, and conduits
			2. Property line dimensions and bearings of the property, including radial bearings and curve data. Basis of bearings, street centerline, existing and ultimate right-of-way line, and existing improvements with dimensions. All setbacks shall be measured from the ultimate right-of-way.
			3. Show and label all existing and proposed easements affecting the property. Review of a current title report or City's GIS may be required.
			4. Private sewer, water and other utilities need to be shown for reference only. New utility service line/lateral construction within the right-of-way can be included on Grading Plan (a Right-of-way Construction Permit is required).
			5. Show and label existing and proposed utilities in the right-of-way and utility services to the property. (All services to be underground)
			6. Show and label proposed and existing contours, spot elevations, elevations for top of curb, flow line, building pads and finish floor, sidewalks, streets, parking lots and drive aisles, and existing adjacent property elevations, buildings, and/or structures on all sides of development within 15 feet of property lines. To establish drainage patterns, elevations 50' beyond the property lines may need to be shown.
			7. Segmental wall and/or slope geogrid shall be shown and labeled in profile and plan view. Plans shall show all construction details for leveling course, drainage, connections of wall façade to geogrid, vertical interval for geogrid, horizontal limits, provisions for drip irrigation devices, contractor's minimum license requirements, required design engineer's field observations and approvals and provision for revisions due to field changes.
			8. Proposed grading shall be clearly defined with elevations and contours. Cut and fill slopes in excess of two hundred feet in length shall have a variety of slope ratios.
			9. On sheet 1, show raw cut and fill quantities and maximum depth for earthwork. List cubic yardage to be excavated, filled, exported and/or imported. List new and refurbished landscape area in square feet. Provide the Truck haul route and hours of operation if applicable to be determined by traffic engineering (include the number of trucks and the frequency).

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				10. List city benchmark or county benchmark used to establish elevation control for property. No assumed benchmarks are permitted. The datum must be NAVD 88 per AMC 12.04. Benchmark shall include description and location.
				11. For reference only, show trash enclosure(s) and all masonry perimeter walls.
				12. Show cross-sections through slopes and for each side of property at a minimum. Cross sections to be drawn at an appropriate engineering scale.
				13. Details of retaining segmental (crib) walls and any drainage and protective devices. Show all required Special Inspection items for construction of segmental/retaining walls. All walls visible from public view shall be screened in conformance with AMC Section 18.46.110.120 (All hillside retaining walls of ALL types shall have a v-ditch behind the top of wall (TW) with at least 1' freeboard for the entire length of same wall and a mechanism for controlled discharge at the TOE. A "burrito" drain (French drain) proposed at the bottom of the wall is not an acceptable substitute for the v-ditch behind the TW. Surface erosion control landscaping for graded slopes shall not include top-heavy-shallow-root varieties)
				14. Show proposed block/retaining wall locations, including estimated heights and elevations for top of wall, top of footing and finish grade at base of wall. All walls visible from public view shall be in conformance with Section 18.46.110.130 of the Anaheim Municipal Code. Add note: BLOCK RETAINING WALLS REQUIRE SEPARATE PERMIT FROM THE BUILDING DIVISION.
				15. If streets fronting the project site are under moratorium, no cuts will be allowed until the moratorium is expired. Moratorium information can be obtained through the City of Anaheim's Project Tracker .
				16. If the project will be phased, the grading plan shall include all interim conditions detailed on separate sheets per phase (drainage, water quality, edge conditions, access, and erosion control).
1	2	3		GRADING DESIGN REQUIREMENTS
				<p>1. The City has adopted the following minimum slopes for Flatland Grading (for Hillside please go to corresponding section):</p> <ul style="list-style-type: none"> • 0.50% for flow-line of concrete gutters and other concrete structures for drainage. Exceptions for flatter slopes may be considered only if existing conditions preclude steeper slopes, and pervious concrete is used in gutter pan (proper design required to ensure infiltration and prevention of saturation of adjacent road base.

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			<ul style="list-style-type: none"> • 1.00% for flat concrete surfaces • 1.25% for asphalt concrete surfaces (with adequate concrete swales or gutters for drainage) • 2.00% for unimproved or landscaped areas (Exceptions can be made for existing lots with demonstrated physical limitations) • 2.00% for cross-fall of dedicated public streets, unless otherwise approved by City Engineer • 0.30% for flow-line of dedicated public streets, unless otherwise approved by City Engineer
			2. Back of driveway approaches may be uniformly depressed to assist on site drainage with review and approval by the City Engineer
			3. Private streets shall have a minimum grade of 0.2% and a maximum grade of 10%. The minimum cross fall is 2%.
			4. Private streets greater than 300 feet in length without outlet, must have a minimum 38 foot radius cul-de-sac per City Standard No. 166 and No. 168.
1	2	3	HILLSIDE GRADING DESIGN EXCEPTIONS
			1. See items 1-4 under Grading Design Requirements
			2. The City has adopted the following minimum slopes for Hillside Grading: <ul style="list-style-type: none"> • 1% minimum and 21% maximum for earth at rough stage • 2% minimum and 21% maximum for earth fine grade (sheet flow away) • 1% minimum and 5% maximum for earth swales • 1% minimum and 5% maximum for asphalt and concrete • 0.5% minimum for concrete gutter in earth area • 0.50% for flow-line of concrete gutters and other concrete structures for drainage. Exceptions for flatter slopes may be considered only if existing conditions preclude steeper slopes, and pervious concrete is used in gutter pan (proper design required to ensure infiltration and prevention of saturation of adjacent road base. • 0.4% minimum for curved section of concrete gutter in paved area

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1	2	3		STORM DRAIN
				1. Design per City of Anaheim Storm Drainage Manual for Public and Private Storm Drainage Facilities.
				2. The design recurrence interval shall be 10-year or 25-year and 100-year storm. (see the City of Anaheim Storm Drain manual for additional information)
				3. The plans shall show the minimum required D-load and HGL.
				4. Storm drain inlets/catch basins in sump condition shall be designed to capture Q25.
				5. A secondary emergency outlet for the sump condition is required to provide a minimum of 1.0 foot freeboard between the maximum water surface elevation and minimum finish floor elevation.
				6. The emergency outlet must direct overflows to either an adequate downstream street or natural conveyance system.
				7. Private storm drains connecting to the City storm drain system require a Save Harmless In-lieu of Encroachment Agreement. The agreement shall be recorded prior to the issuance of the permit. See required agreements section for additional information. The invert elevations and the locations of all private on-site storm drain point of connections to the public storm drain shall be verified by the contractor and the discrepancies shall be reported to the engineer of record prior to construction.
				8. Private storm drain main lines within the public right of way shall not be allowed unless physical constraints require their installation as demonstrated by the applicant and shall be reviewed and approved by the City Engineer. Private storm drain main lines within a public R/W, excluding direct connection segment, will require an Encroachment License. Private storm drains within the public right-of-way should include a manhole just outside of the Right-of-way for maintenance purposes of the private line.
				9. Private storm drains with diameter of 15" or greater shown on grading plans require a profile. Storm drain lines smaller than 15 inches do not require a profile, but shall show rates of grade, direction of flow, size of pipe, invert elevations at begin of pipe and end of pipe and grade breaks, locations and elevations of all adjacent or crossing underground facilities, sufficient horizontal control to permit the system to be located in the field, and any other information which may be required to adequately check, construct, and inspect the system. Cleanouts shall be provided in drain lines for every cumulative total of 90 degrees in bend.
				10. In private property, PVC Plastic Pipe, High Density Polyethylene (HDPE) Solid Wall Pipe, Corrugated HDPE Pipe with smooth interior can be used as an alternative pipe

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			material to RCP. Any segment of the private storm drain line within the public ROW shall be RCP and the plans shall show the minimum required D-load required.
			11. Plastic pipe within private streets shall have 1.5 feet minimum and 20 feet maximum cover, 4 inches minimum and 36 inches maximum diameter, and the slurry backfill must be in accordance with Figure 7 .
			12. Plastic pipe shall not be used within City ROW except for landscape median drains and sub drains.
			13. Plastic pipe outside street shall use slurry backfill and concrete encasement in accordance with Figure 7 when cover is less than 1.5 feet and pipe is subjected to vehicular traffic.
			14. Maximum velocity of plastic pipe shall be 15 fps unless for special conditions where higher velocity is appropriate. The special design and manufacturer's specification shall be submitted to the City Engineer for approval.
			15. HDPE pipe may be used if acceptable by the city engineer and the bedding detail are provided.
			17. Private storm drain: if plastic pipes are used, show pipe bedding details per Figures 7 and 8
			18. All developments shall use a parkway drain (City Standard No. 151-1) as approved by the City Engineer. (Exception: single family residential lots may use curb cores allowed through curbs per City Standard 150-2).
			19. Verify all flow gradients shown on the plans.
			20. Show location of outlet of down-drains from building roof.
			21. Show watershed area of roof served by each down drain.
			22. Pondered water shall be avoided, with the exception of Storm Water Quality BMPs. Any ponding that may result from grading design may only be temporary and shall not substantially interfere with normal use of the property and its amenities, at the discretion of City Engineer.
			23. Any areas that may hold pondered water (even temporarily) shall conform with CBC 3109 and 31B Requirements/Limitations. (I need to confirm this info with Ed Cooke in Building)

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Comments and notes:				
				PLAN CHECK: REQUIRED AGREEMENTS
				1. Covenant to Maintain Landscaping to Screen Crib/Retaining Wall
				2. Agreement for Accepting Public Water Agreement and Covenant Not to Sue
				3. Agreement for Accepting Water from Adjacent Properties with Same Ownership
				4. Agreement for Accepting Water from Adjacent Properties and/or Grade Within Private Properties for Different Owner
				5. Agreement for Private Storm Drain of Encroachment
				6. Agreement for Drainage to Adjacent Properties Without Permission
				7. Agreement for Community Driveway Approaches (Ingress and Egress Easement)
				8. Reciprocal Parking Agreement
				9. Agreement for Private Sewer and Storm Drain Easement
Comments and notes:				
1	2	3		EROSION CONTROL
				1. Show and label all Erosion and Sediment Control BMPs incorporated into the plan with the goal of implementing an effective combination of erosion and sediment control. Specify the phase(s) of construction when they shall be implemented (i.e. demolition, grading, streets & utilities, vertical construction, final landscaping).
				2. Show locations used for construction access with appropriate construction entrance stabilization BMPs to prevent offsite sediment tracking (i.e. crushed aggregate with steel rumble plate during grading)
				3. For exposed slopes greater than 5 feet in vertical height, apply linear sediment controls along the grade breaks, toe of slope, and along the face of slopes, with a spacing interval of: <ul style="list-style-type: none"> • Every 20 feet for slope inclination 4:1 (H:V) or flatter; • Every 15 feet for slope inclination between 4:1 and 2:1; or

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				<ul style="list-style-type: none"> • Every 10 feet for slope inclination 2:1 or steeper.
				4. Show velocity reducer chevrons for all streets with grades of less than 4%. For streets with steeper grades, use check dams for velocity reduction.
				5. Show all CASQA Non-Storm water Management and Materials Management BMPs applicable to the project and indicate where each will be deployed.
				6. Include the City's General Notes for Erosion Control Plans .
				7. Wind Erosion Control is required anytime > 10,000 sf of soil is exposed. Call out type of wind erosion control (i.e. Water Truck, Hydromulch, etc.) and when deployment will occur (minimum of 24 hrs prior to forecast winds of > 25 mph)
				8. Any graded areas or areas of exposed soil that are inactive (i.e. no grading activity in past 2 weeks) shall be addressed with surface erosion control measures. The specific measure selected (e.g. Hydroseed, Mulch, Jute Netting, etc.), the trigger (i.e. no grading within past 2 weeks) and the location of deployment (construction note on plans at locations to be addressed) shall all be clearly indicated on the plans.
				9. Show proper storm drain inlet protection at all onsite catch basins and at nearby off-site catch basins receiving runoff from the project.
				10. Provide the project's WDID number on the Sheet if the project is 1 acre or greater and subject to the General Construction NPDES Permit. Also include the WDID on Sheet 1 of the Grading Plan
				11. Perimeter Control shall be employed around all areas of grading and construction. If walls, curbs or other barriers will exist throughout all phases of construction and will function as perimeter control, this shall be called out on plans.
				12. Offsite run-on (i.e. flow from outside the construction area or from an adjacent property) shall be routed around the grading/construction area or routed through the site using a non-erodible conveyance (e.g. pipe, gravel lined ditch, etc.).
1	2	3		WQMP BMP SHEET
				1. Refer to the New Development WQMP trigger checklist to confirm if the report will be required
				2. A separate Plan Sheet titled WQMP BMPs shall be included in the Grading Plans and shall show the location, details (profile and specifications) and flow paths of

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			watersheds feeding BMPs and shall be in significant conformance to the approved final WQMP report.
			3. WQMP BMPs shall be in black, while the rest of the plans shall be in gray scale.
			4. The WQMP BMP sheet all include the following note: "CERTIFICATE OF OCCUPANCY FOR EACH BUILDING WILL ONLY BE GRANTED WHEN ALL DOWNSTREAM WQMP BMPs ARE INSTALLED AND OPERATIONAL THAT SERVE PROPOSED BUILDING AND ADJACENT DEVELOPED AREA." (if applicable)
			HYDROLOGY
			1. Drainage study with hydraulic, hydrology calculations, and map ("shall be included"? What about these items?). Hydrology report, if any drainage structures are constructed or if required by City Engineer
			3. Provide a hydrology map showing the drainage basin(s), the site of proposed grading, and any proposed drainage structures. Map shall be prepared at an appropriate engineering scale. Ensure map matches drainage areas identified in other reports (WQMP, Roof Drain Plan Sheet. Etc.)
			4. A summary of the hydrology and any proposed drainage structures. Verify the values used in the Q=CIA calculations.
			5. Streets adjacent to the project site: show 100-year storm section.
1	2	3	Minor RCP improvements included within the Grading Permit
			1. Minor work within the public right of way and city easements, is considered to be construction, of drive approaches, sewer laterals on local streets, curb drains, parkway drains, may be shown on the grading plans. A separate right-of-way construction plan will be required for major frontage work. A separate right-of-way construction permit is required for all work within the public right-of-way (major and minor frontage work). The assigned case engineer shall provide the corresponding RCP number to be referenced on the title sheet of the plans. The applicant shall submit a filled out and wet signed Right of Way Construction Permit application via GoPost . A separate plan will not be required for improvements within the Public Right of Way and review will continue under the grading plan.
			3. City Standard Street Improvement & Storm Drain General Notes if there are minor improvements proposed within the Public Right of Way .

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				2. For construction of new driveway approaches or curb and gutter in public R/W, show minimum of 18" wide asphalt replacement area in the street for placement of construction forms. Inspector to verify need for saw cut prior to work being performed. Asphalt shall be full depth.
				3. Street widening work shall be per a separate Right-of-Way Construction plan.
				4. City Standard Street Improvement & Storm Drain General Notes. Sewer, water and other utilities need to be shown for reference only. New sewer lateral construction can be included on Grading Plan, but a Right-of-way Construction Permit is required.
				5. Where the existing public roadway is proposed to be cut/trenched for new water/sewer service lateral(s) installation, detail and dimension the limits of the proposed roadway reconstruction over the trench(es) per City standards.
1	2	3		GEOTECH/SOILS REPORT
				1. Soil Report prepared and signed by a licensed engineer competent in the field of Geotechnical Engineering. A Certified Engineering Geologist needs to stamp and sign the report for the Geology portion of the report. The Soil Report needs to provide a thorough engineering investigation based on the existing conditions and work proposed, including any segmental wall design requirements. Soil Borings at 20' or deeper require a Well/Boring Permit obtained from the Water Department of Anaheim Public Utilities. Please contact 714-765-4166 for information.
				2. Show pavement structural section for parking lot construction per Soils Engineer's recommendations based on the assumed R value and TI=4 for stalls and TI=5.5 for drive isles. Add the following note to the plans: "PRIOR TO PLACEMENT OF THE PAVEMENT (AC/BASE OR PCC) THE FINAL PAVEMENT STRUCTURAL SECTION SHALL BE SUBMITTED FOR REVIEW AND APPROVAL AND BE BASED ON THE FIELD "R" VALUE TEST AFTER GRADING IS COMPLETED."
				3. All private streets shall comply with City Standard No. 162. Show pavement structural section per Soils Engineer's recommendations with a minimum section of 4" AC over 4" AB. Add the following note to the plans: "PRIOR TO PLACEMENT OF THE PAVEMENT (AC/BASE OR PCC) THE FINAL PAVEMENT STRUCTURAL SECTION SHALL BE SUBMITTED FOR REVIEW AND APPROVAL AND BE BASED ON THE FIELD "R" VALUE TEST AFTER GRADING IS COMPLETED."
				4. The Soils Report for the Retaining Wall shall address the following: Address the temporary excavation work needed to construction the wall including temporary cut required and safety for workers as well as adjacent property or improvements; Address backfill issues such as soil type to be used and compaction, and subdrainage

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				requirement; Also consider if the addition of a retaining wall still maintains the global stability of the area.
1	2	3		GRADING DELTA REVISIONS
				1. On the title sheet revision block list all sheets that have been revised
				2. Provide a summary of the changes made in the revision block for each applicable sheet
				3. Cloud all changes (grayscale) throughout plan set and label with the corresponding delta number
				4. A new sheet is required when... An existing sheet can be drawn on directly if...
				5. Ensure all standards are met for the redesign (reference grading checklist, grading design manual, and municipal code)
				6. Any previously approved technical study (WQMP, Hydrology or Soils Report) that needs updating per the proposed Grading Delta Revision shall be resubmitted for review and approval.
1	2	3		AS-GRADED PLANS
				1. required signature block/signatures
				2. Mylar Plans
				3. Record drawings will need a separate delta with the same date that matches the date of the latest delta/revision that was submitted
				4. Certification statement must be signed by the registered engineer
<u>Comments and notes:</u>				
1	2	3		PLAN CHECK: AS-GRADED SOILS REPORT
				1. Job address, lot and map number
				2. Grading plan number
				3. Signature(s) and professional number(s) of person of the same level of registration or certification as the parties signing the preliminary report.
				4. Purpose of which fill was place

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				5. Preparation of natural grade to receive fill
				6. Placement of fill (depth of fill, watering, etc.)
				7. Equipment used for compaction
				8. Method of compaction for outer slope area
				9. Test procedure (field and laboratory)
				10. Plot plan graphically depicting the location of all density tests. The plan should be of sufficient size to be reviewable
				11. Summary of test results:
				• Test identification number
				• Date test performed
				• Maximum dry density test
				• Optimum moisture
				• Field dry density
				• Field moisture
				• Relative compaction
				• Approximate elevation of test
				• Approximate finish grade elevation at test site
				12. Location of test
				13. Depth of test
				14. Method of backfill compaction equipment
				15. Summary of test results
				16. Summary of expansion test results (identify lots or areas with swelling potential)
				17. Summary of chemical test results, as required
				18. Summary of corrosion test results, as required
				19. Fertility reports: Results of agricultural suitability and fertility analysis to support plant life for slope landscaping only.

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				20. Plot plan showing limits of the compacted area including approximate pad elevation, depth of fill, areas of over excavation, keys and subdrains. If slope failures occurred during construction, the limits of these failed areas should be shown on the plan
				21. Treatment of “daylight” or cut/fill transition zones (extent of over excavation outside of footing)
				22. Type of soil encountered during grading (fill, in-situ, imported borrow)
				23. Groundwater conditions identified and subdrains or other methods used to mitigate adverse effects.
				24. Geologic conditions encountered, including geologic contacts, structural attitudes, marker beds, faults, and bedding plan shears. Geologic data should be included in areas mapped as fill and in buttress excavations
				25. Comments on changes made during grading and their effect on the recommendations and in the geotechnical report
				26. Exploratory borings and trenches performed during grading should be located on the maps attached to the report, and logs of these excavations should be included in the report
				27. Locations of instrumentation at the site, including settlement monuments, extensometers, piezometers, inclinometer, etc., should be plotted on the maps attached to the report. Results of instrument readings should be included in the report
				28. Field Elevations at the bottoms of cleanouts, keyways, or other excavations
				29. Footing recommendations and bearing value on compacted fill
				30. Footing and floor slab recommendations (Applicant needs to contact the Building Division of the Planning Department for their requirements).
				31. Statement as to the suitability of natural soil to support the fill or structure
				32. Statement as to the adequacy of the site for the intended use, as affected by soil engendering and/or geologic factors
				33. Statement as to the gross and surficial stability of all slopes. Cross-sections prepared during grading for stability calculations should be included in the report, as well as a description of the calculations method, summary of calculation results, and conclusions

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				34. A statement addressing whether the soil engineering and engineering geologic aspects of the grading are in compliance with the applicable conditions of the grading permit and the geotechnical engineer's and engineering geologist's recommendations
				35. Statement as to the expected plant life over the slopes
				36. Statement as to the approval and the field inspection during the construction of all segmental (crib) walls, and the stability of overall slopes with the segmental wall in place.
				37. Statement as to the field observations of the installation of all segmental wall and/or slope geogrid and all drainage devices. Installations not done per the approved plans and reports are subject to review and may delay Public Works final building and zoning sign-off.
<u>Comments and notes:</u>				