



CITY OF NEWPORT BEACH

COMMUNITY DEVELOPMENT DEPARTMENT

BUILDING DIVISION

100 Civic Center Drive | P.O. Box 1768 | Newport Beach, CA 92658-8915
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GEOTECHNICAL REPORT REVIEW CHECKLIST

Project Description:

Title & Date of Report

Project Address:

Plan Check No.:

Permit App. Date:

Permit App. Expires:

CY Cut/Fill:

Permit Valuation:

Adjusted Valuation:

Consultant:

Phone:

Applicant/Contact:

Phone:

Plan Check Engineer: Sergio Gutierrez

Phone: 949-644-3213

Engineer email: sgutierrez@newportbeachca.gov

1st Review: (date)

2nd Review:
Italic comments

3rd Review:
By Appointment

The project plans were reviewed for compliance with the following codes and standards:

2022 CRC; 2022 CBC; 2022 CPC; 2022 CEC; 2022 CMC; 2022 California Energy Code; 2022 California Green Building Standards Code (CG); & Chapter 15 of the Newport Beach Municipal Code (NBMC).

The code section references are from the 2022 CBC, unless otherwise stated.

- **TO EXPEDITE PROJECT APPROVAL:** Please provide a written response indicating how and where each comment was resolved on the plans.
- Resubmit all previously reviewed plans, updated plans and supporting documents with each subsequent review.
- **AFTER 2nd PLAN REVIEW:** Please call the Engineer Geologist listed above to schedule a plan review appointment, to expedite project approval.
- For clarification of any plan review comment, please call the plan check engineer listed above.
- Plan review status is available online at https://css.newportbeachca.gov/EnerGov_Prod/SelfService#/home. Project status is also available using the interactive voice response system at 949-644-3255, or by speaking with a permit technician at 949-718-1888 during business hours.

PRIOR TO APPROVAL OF THE REPORT, ATTEND TO THE ITEMS BELOW:

1. Please review the Grading, Foundation and Landscape Plans for compliance with geotechnical recommendations of this report.

PROVIDE A RESPONSE TO ALL ITEMS INDICATED BELOW:

Project Information/Background:

2. Review of Existing City Files
3. Reference to Site(s) by Street Address
4. Reference to Grading/Foundation Plans by Date
5. Aerial Photograph

Geotechnical Hazards:

6. Adverse Geologic Structure
7. Bluff Retreat
8. Debris/Mud Flow
9. Erosion
10. Expansive Soils
11. Faulting
12. Fractured Bedrock
13. Seismicity
14. Groundwater
15. Landslide
16. Slump
17. Soil/Rock Creep

Recommendations for:

18. Foundations
19. RW Static Loading and Seismic for H> 6' by M-O
20. Foundations, Slope, Bluff and Reinforced Soil set-backs
21. Identify Seismic Design Spec. Accel. & Seismic Design Category
22. Site Class (A or B Soil Cover <10')
23. Slab-on-Grade
24. Capillary Break and Waterproofing
25. Flatwork
26. Grading, Drainage, and Infiltration Rate
27. Uncertified Fill Remediation
28. Pools/Spas
29. Adequacy for Intended Use & Not Adversely Impacting Adjoining Sites

Supporting Analysis/Data:

30. Adequate Borings with M-D and N values

31. Geologic Map & Cross Sections with Limits of Proposed Structure
32. Limits of Remedial Grading and any Shoring Shown on Plan & Sections
33. Static and Seismic Slope Slab, Calculations
34. Surficial Stab. with Appropriate Cohesion
35. Consolidation Test Plot
36. Shear Test. Rate of Shear $> 0.005"/\text{min.}$, or Strengths $>$ Site Specific to be Justified
37. Expansion Index and Sulfate Tests
38. Percolation, Gradation and Other Tests
39. Liquefaction, Min FS=1.3, with no I_c (Soil Behavior Type Index)
40. Static and Seismic Settlements: Analysis if Diff. Sett. $>0.5"/30'$
41. Diff. Sett. $> 1"/30'$, Provide Protection Recommend. Against Cracking
42. Hydro-collapse Settlement Evaluation
43. Active, Passive and At-Rest Pressure for Shoring
44. Active, Passive and At-Rest pressure for RW. Ignore Tension for Active
45. Temp. Exc. Comp. (For $H<8'$, 1.5:1, in soil, or 1:1 in Bedrock OK) Min. FS=1.25
46. Slot Excavation. Comp. to Show Shallower Excavations Have Adequate FS.
47. Lateral Spread for Layers with $N1(60) <15$.
48. Lateral Resistance (For Shallow Fndns, Reduced Cohesion Taken @ Normal Load of 250 psf)

Limitations of Review:

Our review is intended to determine if the submitted report(s) comply with City and State of California Building Codes and generally accepted geotechnical/geological practices within the local area. The scope of our services for this review has been limited to a brief site visit and a review of the above-referenced report and associated public published documents, as shown online by the State of California (CGS). Re-analysis of reported data and/or calculations and preparation of amended construction or design recommendations are specifically not included within our scope of services. The Geotechnical Engineer of record must comply with minimum 2022 CBC Chapter 16 and 18 code requirements and substantiated with laboratory data and computations. Our review should not be considered as a certification, approval or acceptance to previous consultant's work, or is meant as an acceptance of liability for final design or construction.