

City of Rancho Cucamonga

Building and Safety Services Department

10500 Civic Center Dr., Rancho Cucamonga, CA 91730 909/477-2710

INFORMATION FOR PRIVATE SEWER & WATER PLANS & PERMIT

In an effort to expedite the building permit process, the Building and Safety Department has generated the following information for your use to help meet these code requirements.

Any required supplemental information must be attached to the appropriate forms, and all forms must contain original signatures and seals. Also, all information must be approved by the Building and Safety Official prior to building permit issuance.

Approved by: Trang Huynh, P.E.
Building & Safety Official

03/12/08

PRIVATE SEWER & WATER PLAN REQUIREMENTS

A. ITEMS TO SUBMIT FOR GRADING PLAN CHECK:

1. Private sewer and water plan (3 sets).
2. Capacity analysis report (2 Copies), if required
3. Public Improvement Plans related to the site. (1-set noted for reference).
4. Reference copy of fire water plans (if required).
5. Reference copy of private sewage disposal system (septic system), if required.
6. Other items may be required if found necessary during the plan review process.

B. GRADING PLAN REQUIREMENTS:

- 1) Private Sewer and Water Plan Set shall include
 - a) Title sheet.
 - b) Water plan sheet(s).
 - c) Sewer plan sheets.
 - d) Horizontal control plans if necessary.
 - e) Demolition plan if needed for clarity.
 - f) Conditions of approval as required by the Planning Division to be shown on the last sheets.
- 2) All sheets:
 - a) North arrows shall be provided where appropriate.
 - b) Plans shall be sufficiently clear to allow legible prints from microfilm, letters 1/8-inch minimum.
 - c) Scale (engineering) shall be no smaller than 1"=40' and shown on all plan sheets graphically and numeric where appropriate.
 - d) Seal (wet) and signature (wet) of the Civil Engineer registered in California shall be on all sheets.
 - e) Sheets shall be 24" by 36" minimum & 30" by 42" maximum.
 - f) North arrow shall point to the top or right side of the sheet.
- 3) Title (Cover) Sheet Content:
 - a. Benchmark (City or assumed datum).
 - b. Dig Alert notification decal.
 - c. Index of sheets if more than one plan sheet.
 - d. Legal description of project location.
 - e. Legend identifying symbols used on the plans.
 - f. Notes shown on Attachment 1 must be shown on plans.
 - g. Owner/Developer, Engineer and serving utilities name, address, and telephone number.
 - h. Title block with name and address of project.
 - i. Vicinity map with north arrow. Show project location.
 - j. P.M.T and D.R.C numbers above title block.
 - k. Index map. 1"= 100' min. scale. Identify adjacent development/land use.
 - l. Construction Notes with quantities.

4) Private Sewer and Water Sheet Content:

- a) Water and Sewer plans shall meet the requirements of the California Plumbing Code
- b) Building pad and finished floor elevations-existing and proposed.
- c) Construction notes and related call outs.

C. APPROVED PLAN REVISIONS:

For revisions to approved plans, submit originally approved plan plus a plan showing the proposed revisions. The cover sheet shall note the revision number and list the sheets affected in the revision block. The effected sheets shall show the revision number and briefly describe the revision in the revision block. The plan revision shall be clouded on the original and contain a revision number in a triangle. The approved revised plan will replace the originally approved plan.

LIST OF ATTACHMENTS

- 1. City Private sewer and water Notes - to appear on Grading Plan Cover Sheet
- 2. As-built certificate

ATTACHMENT 1

WATER GENERAL NOTES:

1. All work shall be in accordance with the current adopted California Plumbing Code, the Cucamonga Valley Water District's standards and specifications and the standard specifications for public works construction (Green Book) latest edition and all supplements.
2. Approval of this plan by the City of Rancho Cucamonga does not constitute a representation as to the accuracy of the location or of the existence or non-existence of any underground utility pipe or structure within the limits of this project the protection of all utilities within the limits of the project.
3. Inspection shall be by the city of Rancho Cucamonga, Building & Safety Department. All requests for inspection shall be made at least 24 hours in advance of the proposed construction.
4. Contractor is responsible for location and confirming depths of all the existing utility lines within proposed trenching areas.
5. Public streets shall be kept clean and free from dirt and/or debris. The contractor shall be responsible for all costs incurred in street cleaning necessitated by his operation.
6. Installation work shall be performed by fully experienced and responsible persons.
7. Fittings shall be of an approved type with joints and pressure class ratings compatible with the pipe used. Joints shall be assembled by persons familiar with the particular materials being used and in accordance with the manufacturer's instructions and specifications.
8. When work is stopped, the open ends of pipe, valves, hydrants, and fittings shall be plugged to prevent stones and foreign materials from entering.
9. Thrust blocks shall be considered satisfactory where soil is suitable for their use per city of Rancho Cucamonga Fire Construction Services. Wherever possible, thrust blocks shall be placed so that the joints are accessible for repair.
10. Backfill shall be tamped in layers or puddle under and around pipes to prevent settlement or later movement and shall contain no ashes, cinders, refuse, organic matter, or other corrosive materials. No Rocks shall be place in trenches.
11. The installing contractor shall be responsible for the following (1) notifying the authority having jurisdiction and owner's representative of the time and date testing is to be performed. (2) performing all required acceptance tests.
12. The Contractor shall return a legible and clean set of "As Built" drawings to the City of Rancho Cucamonga Building and Safety Department prior to final acceptance of any system.

ATTACHMENT 2

SEWER GENERAL NOTES

1. All work shall be in accordance with the current adopted California Plumbing Code, the Cucamonga Valley Water District's standards and specifications and the standard specifications for public works construction (Green Book) latest edition and all supplements.
2. Approval of this plan by the City of Rancho Cucamonga does not constitute a representation as to the accuracy of the location or of the existence or non-existence of any underground utility pipe or structure within the limits of this project the protection of all utilities within the limits of the project.
3. Inspection shall be by the city of Rancho Cucamonga, Building & Safety Department. All requests for inspection shall be made at least 24 hours in advance of the proposed construction.
4. During the period of construction, the contractor shall furnish, erect and maintain such warnings, signs, stop signs, barricades and other safety measures as directed by the City of Rancho Cucamonga, Building and Safety with reference to the manual of uniform traffic control devices, California supplement, all editions.
5. The Contractor is responsible for securing from the Cucamonga Valley Water District copies of the latest Standard Specifications prior to start of construction.
6. Any Contractor performing work on this project shall familiarize themselves with the site and shall be held solely responsible for any damage to existing facilities resulting directly, or indirectly, from their operations, whether or not said facilities are shown on these plans.
7. Sewer pipe shall comply with Section 207-16, "ABS Composite Pipe"; Section 207-17, "Polyvinyl Chloride Plastic Pipe;" Section 207-15, "ABS Solid Wall Pipe": and Section 207-8, "Vitrified Clay Pipe", of the standard specifications.
8. The Contractor shall be required to obtain the necessary permits from the appropriate local agencies prior to any construction within any street, right-of-way, or easement.
9. Use of a pipe deflector or re-rounder shall not be permitted on over-deflected pipe.
10. Contractor shall not open more trench than can be properly constructed and filled in a day's operation. Any trench unavoidably left open during the hours of darkness or over a weekend shall be fenced with 6 foot chain link fencing and properly lighted
11. Contractor shall reinstall pavement markings and striping that has been disturbed by his operations.
12. O.S.H.A permit required for trenches over 5 feet in depth prior to start of trench excavation.
13. Contractor shall contact underground service alert prior to beginning work.
14. The contractor shall provide safe and continuous passage for local pedestrian and vehicular traffic at all times.

ATTACHMENT 2 (CONTINUED)

15. Should any of the existing utilities or any other facilities conflict with the proposed sewer line, the contractor shall notify the engineer of record and await the relocation and/or alternate design.
16. The contractor shall exercise due care to avoid injury to existing improvements or facilities, utility facilities, adjacent property, and trees and shrubbery that are not to be removed. Contractor shall notify USA prior to entering project site.
17. The minimum separation between water lines and sanitary sewer lines shall conform to the state of California Environmental Health code, Title 22, Section 64630-C.
18. The Contractor shall return a legible and clean set of "As Built" drawings to the City of Rancho Cucamonga Building and Safety Department prior to final acceptance of any system.
19. The Contractor shall be responsible to notify Underground Service Alert (1-800-227-2600) at least two working days (48 hours) prior to start construction.
20. All Removals in paved areas shall be saw cut on a neat, straight line parallel to the pipe line. The cut edge shall be protected from crushing and all broken edges shall be recut prior to paving operations.
21. Public streets shall be kept clean and free from dirt and/or debris. The contractor shall be responsible for all cost incurred in street cleaning necessitated by his operation.
22. The contractor is responsible for securing from the Cucamonga Valley Water District copies of the latest Standard Specifications prior to start of construction.
23. Any Contractor performing work on this project shall familiarize themselves with the site and shall be held solely responsible for any damage to existing facilities directly, or indirectly, from their operations, whether or not said facilities are shown on these plans.

ATTACHMENT 3

1. As-built Certificate:

I hereby certify that the "Record Drawing" Measurements as shown hereon were made under my supervision or as noted and are correct to the best of my knowledge and belief.

Signature

Date

Wet Seal