



CALAVERAS COUNTY WATER DISTRICT

Welcome to the Calaveras County Water District

This packet of information will assist you with applying for and installing a new water and/or sewer service to a residence or place of business. There are five (5) handouts available for your use:

- 1) General Information for a New Service
- 2) Installation of a Water Service
- 3) Installation of a Gravity Sewer Service
- 4) Installation of a Pressure Sewer Service
- 5) Grease Interceptor Requirements for Food Establishments
- 6) Approved Materials List

We encourage you to contact Customer Service with any questions. The District's Customer Service Department can be reached at the numbers below or by coming in to the District Office, 120 Toma Court, San Andreas, during business hours (8:00 a.m.-4:00 p.m., Mon.-Fri.). When you call or come in, please have the APN for the property you wish to serve.

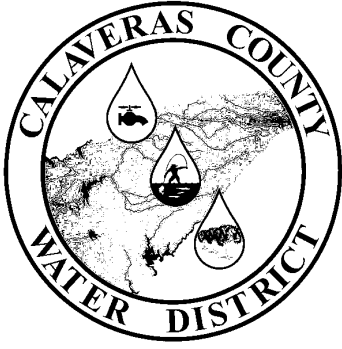
Unlike some communities where water and wastewater operations are administered by a city or county, CCWD stands as an independent public agency. The County and CCWD have a cooperative agreement where CCWD is responsible for the inspection of the water and sewer service from the property line to the building.

It is important to keep in mind that all fees are to be paid prior to the installation of services and that the District is to inspect all work.

We look forward to serving you.

CCWD CONTACT INFORMATION

Customer Service (8:00 am – 4:00 pm), Mon. thru Fri.	209 - 754 - 3543
Engineering	209 - 754 - 3181
Inspection	209 - 754 - 3316



**CALAVERAS COUNTY
WATER DISTRICT**

WELCOME

and

APPLICATION FOR NEW SERVICE

APPLICATION FOR NEW SERVICE

GENERAL INFORMATION

A service connection is that portion of the water/wastewater line between the District's pipeline, in a roadway or easement, and the meter or sewer cleanout. A building service is the piping from the meter/cleanout to the building. Properties may or may not have a service connection to the property. Also, a property may require a District line to be extended to serve the property. Please contact Customer Service for service information to your property. Instructions to activate a service connection are described below.

Properties with a Service Connection

An existing service connection is one with a meter box (for water) and/or a cleanout (for wastewater) at the property line. Activation of the service connection is obtained by paying the required fees, submitting applicable information about the lot, and having a Customer Service Representative fill out a Utility Service Request (USR) form. The signed USR form will initiate the installation of the water meter, inspections, and bi-monthly service charges. The current fees are included with this packet.

The following information is required to be included with the USR form.

- The approved County plot plan, or site plan, showing the location of the service(s) to the building and CCWD stamp;
- A copy of the County Building Permit and/or on-site sewage disposal permit;
- The Sewage Pumping System data sheet, if applicable;
- Accessory Dwelling Permit, if applicable;
- Easement(s), if applicable; and
- A copy of the Quote for New Service (described below), if requested.

If an interested party wishes to have an estimated cost for a new service, an Application for New Service Quotation can be submitted as described below. There is a \$15 fee for each residential lot and \$45 fee for each commercial lot for those properties having service connections.

Properties without a Service Connection

Properties that are contiguous to a District water and/or wastewater line but are not connected, and capacity is available, will need to pay the cost for a connection. To obtain a cost estimate for the new connection, an Application for

New Service Quotation can be submitted. The costs for the connection will be prepared by a Customer Service Representative and will be mailed to you, typically within 7 – 10 days. The cost of service consists of the current capacity fee (water and/or wastewater), water meter and installation cost, inspection fees, and if applicable, estimated service connection costs and assessment fees. A District Capacity and Connection Fee Schedule for each service area is included with this package. A fee of \$174 per property, for residential or commercial use without a service connection, is to be included with the application.

Application fees shall be refunded to the applicant if the USR process is completed and applicable fees are paid within ninety (90) days of the quote. Note that any material differences between the information on an Application and the subsequent use of the property and CCWD services may render the quote invalid.

Extension of a District Line to the Property

Properties that require a line extension are to submit a Concept Review Application. The Engineering Department processes these applications and should be contacted for additional information.

Building Service

Customers are responsible for the installation and maintenance of the service from the meter box and/or property line cleanout to the building. All work shall be done in accordance with the Uniform Plumbing Code and to the attached Standards. It is the property owner's responsibility to bring all materials up to District standards. The District shall inspect all work up to two feet to the outside of the building.

SITE PLAN

The attached Site Plan, or a copy of the plot plan submitted to the County, is to be used by the customer to show the location of the services and submitted with the USR. Service locations may be hand drawn. If the actual location of the meter box or cleanout is different from what is shown by District maps, show the correct location(s). The name of the road, driveways, parking lots, backflow assemblies, fires lines, and accessory dwellings are to be depicted.

No building service shall be located on any parcel other than the parcel that is to be served without approval of the District. Easements, if applicable, are to be submitted with the Application, and shown on the site plan, should the service cross other parcels.

RESIDENTIAL SERVICE

A. Water

1. The standard meter size for a single-family residence is $\frac{5}{8}$ ". The meter is provided and installed by the District.
2. Locations of meter boxes are not to change unless approved by the District. No meter boxes are allowed in driveways or sidewalks.
3. All meter boxes are to have a clearance area of 4 feet vertical and 2 feet horizontal.
4. The District requires a backflow device after the meter for all new construction and all parcels having a well. Irrigation systems require a backflow device on the irrigation line. See our Backflow Handout.
5. A pressure regulating valve, to be owned and maintained by the property owner, is recommended to be installed on the customer side of the meter.

B. Wastewater

1. The size of the building service is not to be less than three (3) inches from the building to the property line cleanout; and no less than four (4) inches from the property line cleanout to the District sewer. Building services are to be sized in accordance to the UPC.

C. Accessory Dwelling. An accessory dwelling can be provided water and wastewater service by the primary residence only if:

1. The accessory dwelling has been approved by Calaveras County in accordance with the Calaveras County Code Title 17, Chapter 17.66.
2. An accessory dwelling permit from the County is attached to the Application for New Service Quotation.
3. A licensed plumber has provided written verification as to the adequacy of the meter/wastewater size.
4. The dwelling unit is no more than 900 square feet.

COMMERCIAL SERVICE

A. Water

1. The District determines the size of the meter. The plumbing plans for the proposed building are to be submitted with the Application and will be the basis for determining the meter size.
2. Fire service lines will require a separate metered connection with a backflow prevention device.

3. Commercial irrigation for landscaping requires a separate metered connection with a backflow device.
- B. Master Water Meters. The District allows separate business units on one parcel, under a single ownership or management, to be served, at the option of the applicant, by either of two methods:
1. Through separate service connections to each business unit, provided that the piping system for each unit is independent of the others and is not interconnected, or
 2. Through a single service connection and meter to the entire premises.
- C. Wastewater
1. Wastewater capacity fees are based on the attached Wastewater Volume Demand Factor Table according to the proposed usage. The demand factor is a proportional flow of a single-family residence. It is recognized that the type of business may not be known at the time of Application and may change over the years. The District will determine the appropriate capacity fee and will review the fee after two (2) years.
 2. A commercial parcel will require a manhole at the property line instead of a cleanout.
 3. Grease traps shall comply with the Uniform Plumbing Code and be approved by the District. Commercial businesses that have kitchen or cooking facilities such as churches, community centers, restaurants, schools, etc., shall require installation of a grease trap. The owner shall be responsible for the proper maintenance of the grease trap.

LOW WATER PRESSURE SERVICE

When the minimum daily water pressure is less than thirty (30) psi at the meter, CCWD will reimburse the property owner for the cost of a booster pump system (see District Policy for maximum limits of the reimbursement). Booster pump systems can be installed within or outside the building. Booster Pump Stations that are installed inside the building will not be inspected by the District. The selection, operation, and maintenance costs of the booster pump system are solely the responsibility of the property owner.

HIGH WATER PRESSURE SERVICE

Where the static water pressure at the meter exceeds eighty (80) psi, an approved pressure regulator with a strainer shall be installed on the customer side of the meter and set to 60 psi. The property owner maintains the pressure regulator and strainer.

SEWAGE PUMPING SYSTEM SERVICE

Owners of parcels that require a pump to discharge sewage are to complete the attached pumping system design criteria sheet 2A and attach it to the Application for New Service Quote. A pump system consists of a holding tank, grinder pump, and pressure piping for conveying wastewater into the District's wastewater collection system. The design criteria sheet should be filled out with the help of a plumber/contractor. The design sheet is used to select the appropriate pump system for the building. Some developments have identified those lots that require wastewater pumps and the corresponding head requirements. Customer Service can assist with information related to a specific lot.

The pump shall be a submersible grinder pump that is capable of reducing all components in normal domestic sewage (paper, wood, plastic, rubber, etc.) to finely divided particles that will pass freely through the piping system. The pump selected shall produce a velocity in the discharge piping of three (3) to five (5) feet per second.

The pump and holding tank shall be certified for the purpose of sewage pumping. It is recommended that a complete unit be purchased. The unit shall include all electronics with the appropriate alarms.

All pump systems shall be owned and maintained by the customer up to the pressure connection at the property line. Power is provided and paid for by the customer.

Questions regarding the Application process? Contact the CCWD Customer Service Department at (209) 754-3543.

Calaveras County Water District
Adjustments to Fee Schedules
As of July 1, 2014
Ordinance 2006-03, dated Sept 27, 2006

Indexed via ENR/CCI (20 cities average)
 ENR/CCI Index, 12/12 = 9412
 ENR/CCI Index, 12/13 = 9668
 Percent Increase = 2.7199%

Schedule A, Capacity Charge Table 1

Service Area	Water	Sewer
	5/8" Meter	Per SFDE
West Point	10,671	5,500
Copper Cove	10,450	10,634
Ebbetts Pass	6,838	
Jenny Lind	10,334	
Inside Assessment Dist 604		10,144
Outside Assessment Dist 604		17,293
Arnold		10,209
Forest Meadows		11,497
Vallecito/Douglas Flat		12,265
Wallace	9,000	9,000

Indexed via CPI-U U.S. City Average
 CPI-U Index, 12/12 = 229.601
 CPI-U Index, 12/13 = 233.049
 Percent Increase = 1.5017%

Schedule B, Services Performed for Fixed Cost

Service	Charge
Inspection of connection to the sewer system	131
Installation of standard 5/8" radio read water meter	421
Account establishment or account transfer	45
After-hours account establishment or account transfer	72
Residential or commercial cost-to-serve letter on lot without service stub to parcel	174

Calaveras County Water District Capacity and Connection Fee Schedule

effective 7/1/2014

Water Capacity Connection Fees:

Calculated as:

Capacity/Connection Fee Rate as of Application Date x Capacity Multiple

For Example, a 2" meter in Copperopolis would be:

$$\$10,450 \times 8 = \$83,600.00$$

Capacity Multiple	
Meter Size	Multiple
5/8" - Standard Residential Size	1
3/4"	1.5
1"	2.5
1-1/2"	5
2"	8
3"	16
4"	25
6"	50

Water Capacity Connection Fee Rate Schedule				
Effective Dates	Ebbetts Pass	West Point	Copperopolis	La Contenta/Jenny Lind
July 1, 2014	6,838	10,671	10,450	10,334
July 1, 2013	12,274	10,388	10,173	10,060
July 1, 2012	11,961	10,123	9,914	9,803
July 1, 2011	11,477	9,714	9,513	9,406
July 1, 2010	11,268	9,537	9,340	9,235
July 1, 2009	11,151	9,438	9,243	9,139
July 1, 2008	10,874	9,203	9,013	8,912
July 1, 2007	10,604	8,974	8,789	8,691
Dec 4, 2006	10,280	8,700	8,520	8,425
Jan-Dec, 2004	5,500	5,500	5,500	5,500

Special Note: COMMERCIAL MASTER METERS - Per Resolution 2006-10 (Jan 25, 2006), "separate business units on the same legal parcel under a single control or management may be served by a single service connection and meter to the entire premises."

Wastewater Capacity Connection Fees:

Calculated as:

Capacity/Connection Fee Rate as of Application Date x Sewer Equivalents (Defined as Multiple of Single Family Equivalent)

For Example, Four (4) condos in Forest Meadows would be:

$$\$11,497 \times .7 \times 4 = \$32,191.60$$

Four (4) condos in La Contenta would be:

$$\$17,293 \times .7 \times 4 = \$48,420.40$$

Wastewater/Sewer Equivalent Units	
Type of Structure	Equivalents/Units
Single Family Residential	1
Accessory Dwelling	0.55
Apartment	0.55
Duplex, Triplex or Condo	0.7
Townhouse or Mobile Home	0.7
Commercial	See Demand Factor Table

Wastewater Capacity Connection Fee Rate Schedule							
Effective Dates	Forest Meadows	Valecito	Arnold	Southworth Ranch Plus Tank Install Fees	Copperopolis	West Point	La Contenta
July 1, 2014	11,497	12,265	10,209	5,500	10,634	5,500	17,293
July 1, 2013	11,193	11,940	9,939	5,500	10,350	5,500	16,835
July 1, 2012	10,908	11,636	9,686	5,500	10,088	5,500	16,406
July 1, 2011	10,466	11,165	9,294	5,500	9,680	5,500	15,742
July 1, 2010	10,276	10,962	9,125	5,500	9,504	5,500	15,456
July 1, 2009	10,169	10,848	9,030	5,500	9,405	5,500	15,295
July 1, 2008	9,916	10,578	8,806	5,500	9,171	5,500	14,915
July 1, 2007	9,670	10,315	8,587	5,500	8,943	5,500	14,544
Dec 4, 2006	9,375	10,000	8,325	5,500	8,670	5,500	14,100
Jan-Dec, 2004	5,500	5,500	5,500	5,500	5,500	5,500	14,100

Disclaimer:

Fees and calculations contained herewith were valid as of the effective date of this document. This document does not constitute a guarantee of fees or service. Fees represented here are not all inclusive and are subject to revisions by the CCWD Board of Directors which may affect fees actually charged to customers when applying for service and meeting building permit requirements.

**Application for New Service Quotation
Calaveras County Water District**

120 Toma Court, PO Box 608, San Andreas, CA 95249

Applicant Information

Applicant's Name: Date:
Applicant's Mailing Address: Applicant's Daytime Phone:

Property Information

Property Owner's Name: APN
Physical Address:

Service Information

Services Applying For (Check All That Apply):

Water	<input type="checkbox"/>	Meter Size:	<input type="text"/>
Landscape Meter	<input type="checkbox"/>	Meter Size:	<input type="text"/>
Sewer	<input type="checkbox"/>		

Residential User Classification

Single Family Residence	<input type="checkbox"/>		
Duplex, Triplex, Townhouses, Mobile Homes	<input type="checkbox"/>	# of Units	<input type="text"/>
Apartments, Condos	<input type="checkbox"/>	# of Units	<input type="text"/>

Commercial User Classification

Business Name:	<input type="text"/>	Business Type:	<input type="text"/>
Business Mailing Address:	<input type="text"/>		
		Estimated Daily Water Usage:	<input type="text"/>
		Square Footage:	<input type="text"/>
		# of Days Open per Week:	<input type="text"/>
		# of Hours Open per Week:	<input type="text"/>
		# of Employees	<input type="text"/>
		# of Seats :	<input type="text"/>

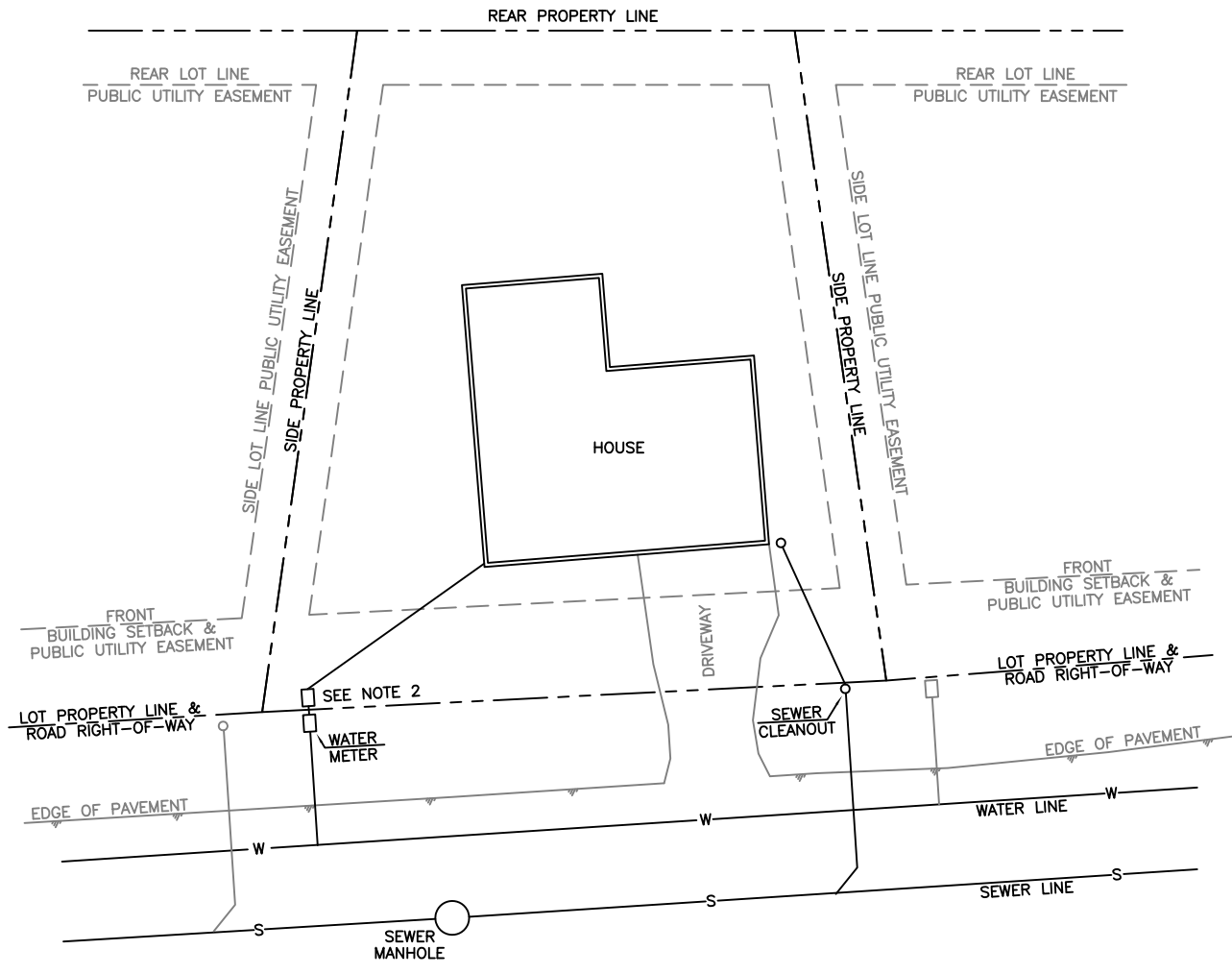
Please describe proposed business and anticipated business facilities/functions which will utilize water/sewer services. If applicable, please include the number of wastewater units planned for your business as listed on the demand factor table, attached.

Signature

I understand that all quotes for service given to me are based on the information that I have provided above. Any change of use from that which I have described may result in additional fees being charged to me. I further understand that all quotes given to me are estimates only.

Signature: Date:

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STANDARD CONNECTIONS SITE PLAN

TYPICAL PARCEL WATER & SEWER CONNECTIONS FOR SINGLE FAMILY RESIDENCE SHOWN FOR ACCESSORY DWELLINGS REQUIREMENTS CONTACT CCWD CUSTOMER SERVICE

NOTES:

1. AN APPROVED BUILDING PERMIT FOR THE PARCEL REQUESTING SERVICE IS REQUIRED AT THE TIME APPLICATION FOR WATER AND/OR SEWER SERVICE IS MADE.
2. CUSTOMER IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF PRESSURE REGULATING VALVE, BOOSTER PUMP OR OTHER APPRTENANCES AFTER METER, IF REQUIRED.
3. SEWER CLEANOUTS SHALL BE INSTALLED AT PROPERTY LINE, 2' FROM BUILDING FOUNDATION, AT 90° OR GREATER TURNS, AND FOR EVERY 100' OF LINE.
4. CUSTOMER REQUESTING SERVICE SHALL BE RESPONSIBLE FOR INSTALLING CLEANOUT AT PROPERTY LINE, AT THEIR EXPENSE, IF ONE IS NOT PROVIDED.
5. CUSTOMER REQUESTING SERVICE SHALL BE RESPONSIBLE FOR MOVING ANY METER/CLEANOUT LOCATED WITHIN A DRIVEWAY. NO METER/CLEANOUT ALLOWED IN DRIVEWAY.
6. SEWER SERVICE, FROM PROPERTY LINE TO BUILDING, SHALL BE INSPECTED, OPEN-TRENCH, BY CCWD. AFTER HOOK-UP IS MADE, SCHEDULE INSPCTON WITH CCWD. ALLOW A MINIMUM OF 48 HRS FOR INSPECTION.

CALAVERAS COUNTY WATER DISTRICT		
CUSTOMER SERVICE DETAILS		
STANDARD SERVICE CONNECTIONS SITE PLAN		
DRAWN BY: CCWD STAFF	SCALE: NONE	CCWD STANDARD DRAWING NO. SERVICE CONNECTION SITE PLAN HANDOUT
APPROVED: S.HUTCHINGS	DATE: DEC 2007	

**CALAVERAS COUNTY WATER DISTRICT
WASTEWATER VOLUME DEMAND FACTOR TABLE**

User Classification	Demand Factor	Units
Residential		
Single Family Residence	1.0	Per unit
Mobile Homes in Mobile Home Park, Townhomes, Condo	0.7	Per unit
Apartments	0.55	Per unit
Accessory Dwelling (one per property, per County definition)	0.55	Per unit
Commercial		
This Table is for Initial Estimates Only		
Automobile repair shop	1.0	Each
Barber shops	0.3	Per station
Bars, cardrooms, casinos, taverns, cocktail lounge, banquet room	0.05	Per seat
Beauty shops	0.3	Per station
Car wash, self serve	Get info from manufacturer	
Cleaners – plant with office	1.0	Per machine
Commercial building with sink only	0.11	Per sink
Dentists	0.36	Per station
Fire station	0.1	Per employee
Hospitals	0.8	Per bed
Hotel	0.25	Per room
Hotel units with kitchenette	0.8	Per unit
Laundries (Apts., Mobile Park) & Laundromats, self service	0.6	Per machine
Long-Term Care Facilities	0.5	Per bed
Meeting halls and churches	0.01	Per seat
Mini-mart / service station		
• With food prep facilities, with restrooms	4.0	
• Without food prep facilities, with restrooms	1.5	
• Without food prep and restrooms	0.8	
Motel	0.25	Per room
Motel units with kitchenette	0.8	Per unit
Offices, including	0.1	Per employee
• Accountants		
• Attorneys		
• Engineers		
• Other (Insurance, Real Estate, Public Buildings, etc.)		
Office facility w/ common restroom where restroom is limited to employees		
• Toilet	0.44	Per toilet
• Urinal	0.22	Per urinal
Office facility w/ common restroom where restroom access is primarily by employees by open to the public		
• Toilet	0.78	Per toilet
• Urinal	0.33	Per urinal
Physician office or clinic	1.0	Per office
Restaurants		
• Full Service (SEE 'BARS' ABOVE for banquet room)	0.07	Per seat
• Fast Food (disposable service ware)	0.05	Per seat

User Classification	Demand Factor	Units
Commercial (continued)		
Restroom buildings	1.0	Per toilet
Retail stores, including	0.1	Per employee
• Clothing		
• Building supply, hardware, appliance		
• Furniture		
• Warehouse		
• Drug Store		
• Pet Shops		
• Other retail stores		
RV Park w/ individual hookup	0.3	Per space
Schools		
• Without cafeteria, gymnasium or showers	0.03	Per student
• With cafeteria, but no gymnasium or showers	0.06	Per student
• With cafeteria, gymnasium and showers	0.10	Per student
Theaters, indoor (based on maximum seat capacity)	0.02	Per seat
Veterinary clinic	0.27	Per employee
Warehousing facility where total employee hours per week does not Exceed forty (40)	0.25	Per restroom
Minimum Demand Factor for all commercial classifications that would normally require less than 1.0 usage	0.25	
The above Commercial Table is for Initial Estimates only		

Notes:

1. The factor for User Classifications not specifically listed in the above table will be determined by District personnel from the most similar classification listed or from usage records of similar establishments.
2. Effective November 11th, 2006 per Board Ordinance adopted October 11th, 2006.

APPROVED MATERIAL LIST
(Building Services)

Item	Description	Manufacturer / Model
Cleanout Box	Concrete traffic valve box with iron lid marked SEWER .	Christy Concrete Products / G5CBOX
Locator Wire & Splice connection	#12 solid copper UF type insulated wire, white or yellow, including wire connections	3M / DBR Splice Kit DRYCONN / King 9 Blue
Pipe Bedding	Native or Sand. Free from organic debris and rock (3" and less) as approved by District's inspector.	
Pressure Regulator (1/2" – 2")	Reduces incoming pressures. Required for pressures exceeding 80 psi.	WATTS / U5B series
Pressure Pipe and Fittings	PVC Pipe ASTM D-1785 40 or 80, socket type fittings per ASTM D-2466, solvent cement of the type and method specified by the pipe manufacturer.	
Sewer Pipe and Fittings (Gravity)	<u>PVC pipe.</u> PVC ASTM F-789 PS-46, ASTM D-1785 Schedule 40, or ASTM D-3034, SDR 35. PVC pipe joints can be either "push-on" or glued. <u>ABS pipe.</u> ABS pipe and fittings conforming to Schedule 40 ASTM F-628 or ASTM D-2661. All joints shall be watertight. Glued joints shall be joined by solvent cement of the type and method specified by the pipe manufacturer.	
Sewer Popper	Sewer popper valve at building only.	Jones Stephens / sewer popper #S62-304
END		