



SOUTHWEST GAS CORPORATION

Dear Future Customer:

RE: **Natural Gas Service**

Thank you for the opportunity to provide clean, efficient natural gas service to the above referenced site. The investment made today in natural gas service will pay years of dividends in cost savings, comfort and reliability.

The installation of natural gas facilities involves two phases:

1. Underground Facilities (Main, Service, & Riser)
2. Meter Set

I have included information that will assist you in your construction and meter set process. In an effort to try and meet your natural gas needs, please complete and return the **Required** Forms in this attachment.

I look forward to working with you on this project. Southwest Gas Corporation prides itself on customer service. I will do everything possible to ensure that service to your project is handled smoothly and professionally. These guidelines are to aid in the process. PLEASE REFER TO THEM OFTEN and keep in touch as construction progresses.

If you have any questions, please feel free to contact us directly.

Respectfully,

Crystal Monteleone
Energy Analyst
New Commercial Business
Central Arizona Division

West Valley - West of I-17 South of I-10/202 West of 143

crystal.monteleone@swgas.com

602-919-1949



SOUTHWEST GAS CORPORATION

INSTALLATION OF UNDERGROUND FACILITIES

(Main, Service Line & Riser)

- * The work order for installation of underground facilities to your project will be initiated after all necessary documents and agreements have been received by Southwest Gas.
- * Installation of facilities will typically begin a minimum of 6 weeks from the time the enclosed paperwork is signed and returned to me and a work order is initiated. If a main design, permit, land rights, or elevated pressure is required, please add an additional 6 weeks for a total minimum of 12 weeks.
- * The route for installation of underground facilities will be based on information supplied by you. All costs incurred by Southwest Gas to relocate facilities after installation will be borne, in full, by the owner/developer/contractor.
- * The placement of the riser/meter requires "Blue Sky" above the meter. A gas meter is always served left to right (riser to house line) unless prior approval is received. A gas meter requires a 3' radius from certain objects (see attached meter separation requirements). If your total gas load is greater than 1,000 CFH, please request our meter dimensions.
- * The houseline must be in place or indicated by a stub-out before installation of underground facilities can take place.
- * The customer's contractor is responsible for providing the gas trench and sleeve on property (see 'Conduit Sleeve in Customer Provided Trench Form').
- * Prior to your project being assigned to a construction crew, you will be contacted by our New Business Planner, John Ippolito, for a pre-construction meeting on site. At this meeting time frame for installation of facilities will be determined. Minimum time frame is 3-4 weeks from date of pre-construction meeting. Please invite your trenching contractor to this meeting. If you do not receive a call from John within 1 week of turning in your completed paperwork, please feel free to call him directly at 602 763 9024



SOUTHWEST GAS CORPORATION

METER SET PROCESS

Application to request a meter & initiate service is made by the customer responsible for paying the monthly gas bill. Before a meter will be set, the following requirements must be satisfied by responsible party of construction:

- * Underground facilities must be completely installed by Southwest Gas (including the gas riser).
- * The customer's houseline must be installed according to the guidelines for meter placement and houseline positioning.
- * All houselines must be tied together by your plumber. SWG only ties in to one houseline. Tie-in point of houseline to gas meter should be reduced to 2" unless total gas load is over 3,500 CFH
- * The electricity and water must be turned on and one gas appliance must be hooked up.
- * Standard Delivery Pressure from Southwest Gas is 1/4 lb. (7" water column). A request for elevated pressure must be received at the time your project is initiated and will require written approval by Southwest Gas' Engineering Department prior to installation of your houseline. Failure to receive written approval will eliminate any meter set. (See Elevated Pressure Request, if necessary). Any downstream regulation that is required, is NOT the responsibility of SWGas.
- * If gas load is over 1,000 CFH, a rotary gas meter may need to be designed and built. The design process takes a minimum of two weeks - 4 weeks when over 7,000 CFH
- * Notification of Gas Inspection and Clearance of the customer's house line, by the governing municipality, must be received by Southwest Gas.
- * Your meter will be installed no sooner than five working days after we receive the clearance, for loads under 1,000 CFH and eight working days for loads above 1,000 CFH.
- * A deposit will be required. The deposit amount and methods of payment will be discussed with you by the Southwest Gas representative when giving application for the meter set.
- * After all of the above are completed, the responsible party of the monthly gas bill must call 877-860-6020 to request a meter set. A Southwest Gas representative will take an application over the phone and schedule the meter set. If you have 4 or more meters to request, you must fax or email the request to 888 797 9427 or bd.lvopo.snvdom@swgas.com Customer Assistance can only assist with 3 meter sets per phone call.



SOUTHWEST GAS CORPORATION

MANDATORY PROJECT INFORMATION

COMPLETE & RETURN TO:

crystal.monteleone@swgas.com
cell: 602-919-1949 fax: 602 395 4195
1600 E Northern Ave Phoenix, AZ 85020

ALL YELLOW FIELDS ARE REQUIRED	
1	Originator Name:
	Originator Email:
	Originator Phone:
	Legal Entity for Signing Authority:
	Legal Entity Mailing Address:
	City, State & Zip:
	Legal Entity Email or Owner's Representative Email:

2	Project Name:
	Service Address:
	City, State & Zip:

3	On-site Contact Business Name:
	On-site Contact Individual Name:
	On-site Contact Individual Phone:
	On-site Contact Individual Email:

4	Gas Meter Location When Facing Building:	<input type="checkbox"/> Left	<input type="checkbox"/> Right	<input type="checkbox"/> Front	<input type="checkbox"/> Rear
	Length of Gas Service from P/L to Meter:				
	Sleeving Contractor Name:				
	Planned Sleeving Install Date:				

5	Local Jurisdiction (who issued your building permit):
	Required Delivery Pressure:

Standard delivery pressure is 1/4 psi. Request for elevated pressure requires written approval prior to your house line install.

6	Required Install Date:
	Required Meter Turn On Date:

It is imperative that we receive the above information and the following forms before our process for your project can begin:

- Legal Plat - PDF
- Electric Plan - PDF - if new electric install is taking place
- Gas Riser Diagram - PDF
- Site Plan - PDF - mark preferred meter location
- Civils - CAD - only needed for formal design

Formal design is required if gas line on said property will be greater than 1,000 feet OR more than 2 risers will be requested on said property OR approach main is needed to reach said property. Approach Main is a new gas line running parallel to the ROW to reach the said property.



SOUTHWEST GAS CORPORATION

CONTRACT FOR INSTALLATION OF NATURAL GAS PIPELINE FACILITIES - INGRESS AND EGRESS (ARIZONA AND NEVADA)

<i>OFFICE USE ONLY</i>	
Mtr. Loc. _____	Footage _____
Work Request _____	

Service Address _____	City or Location _____
Name of Applicant _____	Tract _____
Mailing Address _____	APN and/or Lot #s _____
City, State, ZIP Code _____	Email: _____
Daytime (or) Work Phone _____	Evening (or) Cell _____

<u>Type of Service</u>	<u>Rev/Rate</u>	<u>Appliances Agreed To Be Installed</u>	<u>Qty.</u>	<u>Input Btu/Hr.Ea.</u>	<u>Total input Btu/Hr.</u>
Residential	_____	_____	_____	_____	_____
Single Family	_____	_____	_____	_____	_____
Multifamily	_____	_____	_____	_____	_____
Mobile Home	_____	_____	_____	_____	_____
Commercial	_____	_____	_____	_____	_____
Industrial	_____	_____	_____	_____	_____
Transportation	_____	_____	_____	_____	_____
Other	_____	_____	_____	_____	_____
New Construction	_____	_____	_____	_____	_____
Conversion (Propane Oil Electric)	_____	_____	_____	Total Connected	-

Applicant will provide trench Yes No

If trench is provided for joint use, check all that apply: Cable Telecommunications Electric Other

Permission to Branch Serve:

Address _____	Signature _____
Notes _____	

Contract Conditions:

- The Applicant, as owner or authorized agent for the owner, hereby requests Southwest Gas Corporation ("Southwest") to install its natural gas pipeline facilities ("Subject Facilities") to and upon the aforementioned premises, in accordance with the provisions of its Rules as filed with the Regulatory Commission ("Commission") having jurisdiction over the Southwest's operations, and hereby grants to Southwest such rights of ingress and egress as may be necessary or convenient to enable Southwest to install, operate, inspect, maintain, repair and remove meters, gauges, pipelines, fittings and regulators, and all other equipment and apparatus which Southwest may elect to install for the purpose of furnishing natural gas service to the aforementioned premises or adjoining premises, or to make a survey of the number and type of appliances and equipment installed on the aforesaid premises. No permanent obstructions will be placed over the pipeline.
- The Applicant agrees to install and utilize the natural gas appliances and/or equipment indicated above. The justification of any applicable allowance granted the Applicant is based on the usage of the installed appliances and/or equipment (indicated above). If the appliances and/or equipment (indicated above) for natural gas service are not installed and utilized for service: Arizona and Nevada- within six months for service lines and one year for main lines; Southwest may bill the Applicant for the cost of the Applicant's natural gas service and/or main line installation.
- This Contract shall at all times be subject to such changes or modifications by the Commission as said Commission may from time to time direct in the exercise of its jurisdiction.
- The Subject Facilities will at all times be owned by Southwest. If Applicant is the property owner, Applicant agrees: (1) to grant or otherwise provide to Southwest, without cost to Southwest, easements and rights-of-way which are adequate, in the opinion of Southwest, for the location, installation, operation, maintenance, and removal of the Subject Facilities and (2) that no permanent obstructions will be placed over Subject Facilities and further agrees to be responsible for any and all costs associated with removing any permanent obstructions that are placed over subject facilities. If Applicant is NOT the property owner, Applicant hereby agrees: (1) to provide written permission from the property owner(s) allowing Applicant to apply for the Subject Facilities and (2) to secure property owner(s) agreement to the foregoing granting Southwest such easement and right-of-way as necessary for the provision of natural gas service.

I hereby authorize the installation of natural gas pipeline facilities and agree to pay any cost of installation in excess of the allowable investment of Southwest as defined in its filed rules and regulations.

<p>APPLICANT</p> <p>_____ (Signature)</p> <p>_____ (Print Name)</p> <p style="text-align: right;">_____ (Date Signed)</p> <p><input type="checkbox"/> Owner <input type="checkbox"/> Builder</p>	<p style="text-align: center;">SOUTHWEST GAS CORPORATION</p> <p>_____ (Signature)</p> <p>_____ (Title)</p> <p style="text-align: right;">_____ (Date Signed)</p>
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SOUTHWEST GAS CORPORATION

CONDUIT SLEEVE IN CUSTOMER PROVIDED/JOINT TRENCH

Southwest Gas has approved the following contractors to install gas sleeving within a customer provided/joint trench without an inspection:

Arizona Underground	(480) 756-2518	R.B. Electric	(623) 869-9700
Dig It Excavating	(602) 770-5272	Schaffer & Sons	(602) 757-8652
Gecko Underground	(623) 937-8305	V.W. Dig	(480) 461-3800
Accurate Electric	(480) 586-5647	PDQ Electric Inc.	(480) 649-2769
Klass Services	(623) 764-4348	RP Gas Piping	(602) 909-0229

New projects are required to install a sleeve and backfill the trench in accordance with Southwest Gas standards. Natural gas approved sleeving and materials are to be purchased by the excavator/builder

- * Sleeving must be approved 4" yellow PVC sleeving, with the stamp "natural gas sleeving" on its side.
- * Sleeving will be installed a minimum of 30" below finished grade to the top of pipe. Trench depth should be a minimum of 34" from final grade and sleeving must rest upon smooth soil. Shading material should be 1-1/2" minus in size, 6" above sleeving.
- * Sleeving must be installed a minimum of 12" above electric within a joint trench.
- * Sleeving is to be installed at the following location in reference to the building:
 - * Two (2) feet from the stem wall
 - * Minimum of 25" to the left side of the house line gas piping. If total gas load is greater than 1,000,000 btu's, you must request a meter spec sheet for detailed meter spreads.
- * Sleeving is to be installed at the following location in reference to the gas main or stub out at the property line:
 - * Within two (2) feet of the blue stake mark of the main or stub
 - * If this means you need to cross electric, telephone, or cable to stub within 2', then hand digging is required
- * Sleeving will extend one (1) foot above ground level for identification purposes, and will be sealed at both ends to prevent dirt from getting into the conduit.
- * A minimum of 15' of sleeving length is required in order to utilize sleeving
- * Sleeves over 150' long must have a pull string or mule tape inserted

Natural gas sleeving can be purchased from the following suppliers:

Ferguson	(602) 495-8300	111 E. Buckeye Rd. Suite 2 Phx. (1st St & Buckeye)
Border States	(602) 244-0331	5519 E. Washington St. Phx. (55th St & Washington)
CED	(623) 581-1900	1945 W. Rose Garden (e/o I-17 at Rose Garden exit)
Brown Wholesale	(602) 275-8521	3425 E. Van Buren St. Phx. (35th St & Van Buren)

If customer/builder is installing sleeving themselves, then an inspection will be required:

- * Contact Southwest Gas for inspection of sleeving. Allow three (3) days for scheduling
 - * West of I-17, South of I-10 Ed Wiedemann (602) 484-5289
 - * East of I-17, North of I-10 Alvin Scott (602) 763-9242

Service Address:

Customer Provided Trench Footage:

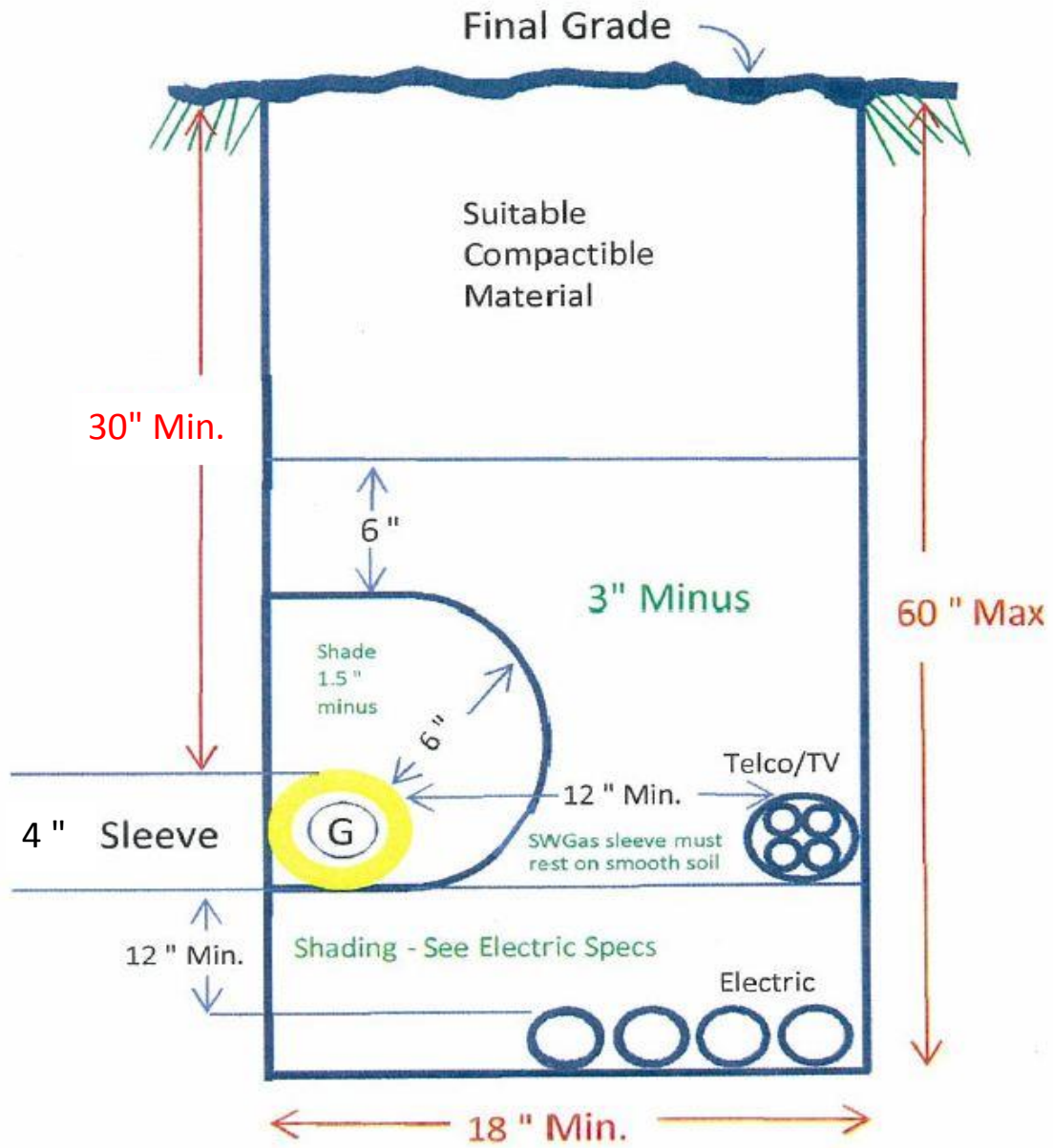
Sleeving Contractor Name:

Applicant (please print):

Applicant signature: Date:

CUSTOMER TRENCH REQUIREMENTS

Commercial Service Installation





SOUTHWEST GAS CORPORATION

REQUEST FOR ELEVATED GAS DELIVERY PRESSURE

Required Form must be completed for 2 PSI or 5 PSI - Ask your plumber

Project Name

Address, City, State, and Zip

I, _____, an authorized agent of the builder / developer, am requesting _____ 2 PSI _____ 5 PSI gas delivery pressure at the above site.

The elevated pressure is needed to (CHECK ONE REASON ONLY):

_____ Required to reduce interior pipe size smaller than 4". Please note that if interior pipe size is smaller than 4" at 7" w.c. (1/4 PSI), pressure will not be granted.
***Plumbing Schematic is Required for Approval**

I understand that I will provide Southwest Gas Corp. a drawing of the interior gas piping system, which has either been approved by an authorizing municipality or stamped by a P.E. (Professional Engineer). Please note that the review of the interior gas distribution system by Southwest Gas is NOT a certification of adequacy of the design. In addition, I understand that any downstream regulation that may be required is not the responsibility of Southwest Gas.

_____ Supply the above referenced project with the following equipment, which requires pressure greater than 7" w.c. (1/4 psi)

List of Equipment: _____
***Manufacturer Spec Sheet is Required for Approval**

By signing this document I acknowledge and accept full responsibility for operation and maintenance of this project's gas piping system including all regulators, gas appliances, fixtures, and apparatus of any kind or character located beyond the point of natural gas delivery (gas meter). I also agree NOT to install my plumbing/houseline prior to receiving written Southwest Gas approval of this pressure request.

By: _____
(Signature)

Date: _____

Name: _____
(Print Name)

Title: _____

Company: _____
(Please Print)

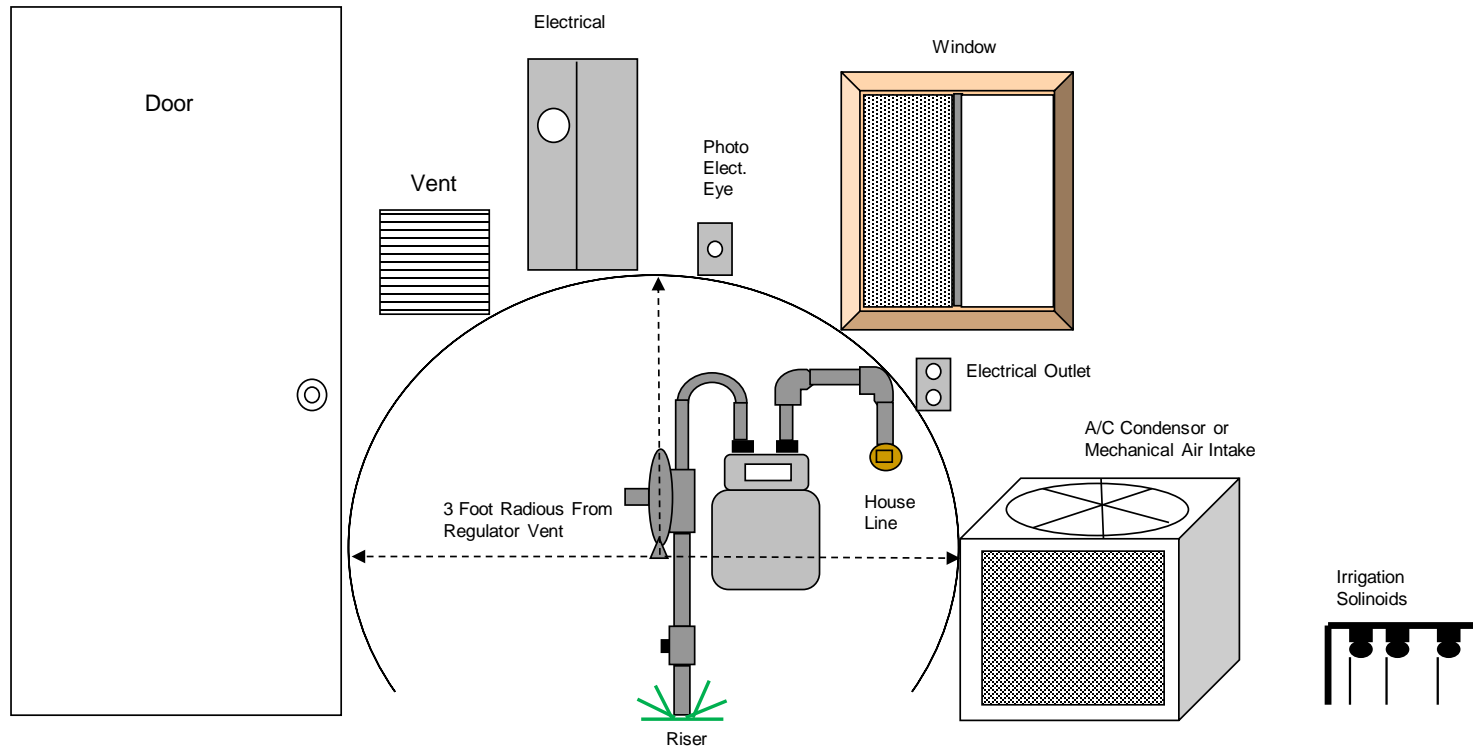
Phone: _____



SOUTHWEST GAS CORPORATION

Gas Meter Installation Requirements

Regulator Vent Clearance Requirements



Meter Type	Delivery Pressure	Capacity (CFH)	Outlet Pipe Size	Spread Riser to House Line Left to Right	Clearance off of Wall	Height from Final Grade
AC 250	0.25 psi / 2 psi	250 / 262	2" Threaded Nipple	30" / 30"	18"	2' 6"
AL 425	0.25 psi / 2 psi	425 / 990	2" Threaded Nipple	30" / 30"	18"	2' 6"
AC 630	0.25 psi / 2 psi / 5 psi	630 / 1310 / 1515	2" Threaded Nipple	30" / 30" / 7' 11"	18"	3'
AL 800	0.25 psi / 2 psi / 5 psi	800 / 1870 / 2120	2" Threaded Nipple	30" / 30" / 7' 11"	18"	3'
AL 1000	0.25 psi / 2 psi / 5 psi	1000 / 2330 / 2660	2" Threaded Nipple	30" / 30" / 7' 11"	18"	3'
15C	0.25 psi / 2 psi / 5 psi	1500 / 1640 / 1950	2" Threaded Nipple	7' 11"	24"	3'
3M	0.25 psi / 2 psi / 5 psi	3000 / 3300 / 3900	2" Threaded Nipple	7' 11"	24"	3'

**** Please provide this to your plumber ****