

Gas Symbolology

GD GIS Version 3.2

Controllable Fittings	Main Job Separator	Transition Indicator	Main Job Separator	Transition Indicator	Main Job Separator	Transition Indicator
	No	No	Yes	No	Yes	Yes
Top Tap						
Spherical Tee						
Half Line Stopper						
Side Tap						
Bottom Tap						
Line Stopper						
Line Tap						
Double Line Tap						
Punch Tee						
High Volume Punch Tee						
Service Tee						
Valve Tee						

	Public Assembly
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	Boundary Features
	Emergency Isolation Zone
	Leak Survey Area
	Therm Billing Area
	Cathodic Protection Area

Pre-Post Polygons		
	Invisible	Mapping Complete
	Invisible	Cancelled
		Clearance

Gas Valve		
Open	Valve	Closed
	Valve	
	Insulated	
	Frame & Cover	
	Frame & Cover Insulated	
Check Valve		
	Right Flow	Right Flow Insulated
	Left Flow	Left Flow Insulated
	Service Excess Flow Valve	

	Remote Pipe to Soil
	Auto Meter Reading
	Remote Control Operation
	SCADA Information Only
	Telemeter
	Remote Rectifier

Pipeline Casing	
	No Vents
	One Vent Left
	One Vent Right
	Two Vents

Linear Symbolology	
Distribution Mains	
	High Pressure
	Semi High Pressure
	Low Pressure
Service Lines	
	Cast Iron
	Copper
	Plastic
	Steel
	Tenite
	Wrought Iron
	Non-Locatable Stub
Transmission Mains	
	Transmission Mains
Deactivated Pipeline	
	Deactivated Pipeline
Miscellaneous Lines	
	Foreign Line
	Locating Wire
	Gas Pipe Duct
Vent Line	
	Vent Line

Cathodic Protection	
Rectifier	
	In Pedestal
	Pole Mounted
	Below Ground
	Panel Mounted
	CP Anode
	CP Bond
	CP Diode
Test Point	
	ETS Above Ground
	ETS Below Ground
	Monitoring Point
	Coupon
	Corrosometer Probe
CP Area	
	CP Functional Line

Service Tap	
	Service Tap
	Bottom Tap
	High Volume Punch Tee
	Punch Tee
	Service Tee
	Side Tap
	Top Tap
	Pin-Off Tee
	Spherical Tee
	Coupling
	Reducer
	Tee
	Branch Saddle
	Cross

Service Location	
	Curb Meter Indicator
	Standard
	Service Stub End Cap
	Above Standard Delivery

Conversion Flags	
	DC Error Flag
	DC PAR Flag

Note:

- The red dot represents the connection point for each symbol.
- For symbols with a stem, the connection point is assumed to be the end of the stem and placement is perpendicular to the main.
- For all other points, the default connection is assumed to be the center of the symbol unless otherwise noted.

Pipeline Markers	
	EM
	DAS Marker
	Surface Adhesive Sticker
	Carsonite
	Orange Post
	Stake or Pipe
	WIG-WAG
	Aerial Horizontal
	Aerial
	River or Bay
	Water Crossing Sign

Intruments	
	Mechanical Recorder
	Electronic Recorder

Regulator Station		
No	Above Ground Indicator	Yes

Flow Regulator Station		
No	Above Ground Indicator	Yes

System Relief Station		
No	Above Ground Indicator	Yes

Customer Regulator	
	High Pressure Regulator
	Service Regulator

Miscellaneous Features	
	Gas Lamp
	Drip
	Blow Off
	Squeeze Point
	Holder
	Job Separator
	Odorizer
	Gas Well
	Compressor
	Electric Substation
	Filter
	Block Break
	Foreign Device
	Underground Gas Storage
	Main Inspection
	Service Inspection
	Transmission Inspection
	Atmospheric Corrosion
	Meter Station

Miscellaneous Structures	
	Foreign Structure
	Station Structure
	Vault

NonControllable Fittings		
Trans/Dist		Service
	End Cap	
	Temporary Cast Iron End Cap	
	Transition	
	Insulator	
	Flange	
	Transition Reducer	
	Reducer	
	Tee	
	Elbow	
	Branch Saddle	
	Wedding Band	
	Clamp	
	Cross	
	Sleeve	
	Mechanical Joint	
	Mechanical Transition Coupling	
	Mechanical Insulated Transition Coupling	
	Coupling	
	Mechanical Expansion Joint	
	In-Line Expansion Joint	
	Riser	
	Expansion Loop	

Leak			
	Grade 0		Grade 2
	Grade 1		Grade 3
	Grade 2+		Repaired

Release Date – 11/3/2014

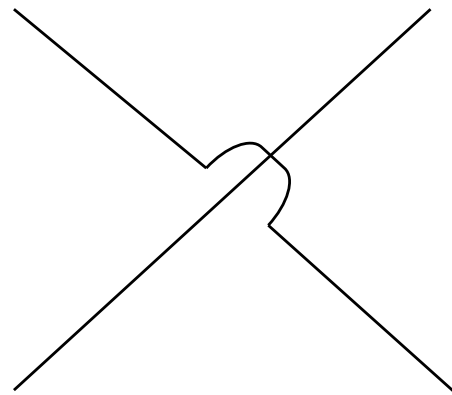


Other Symbolology Changes

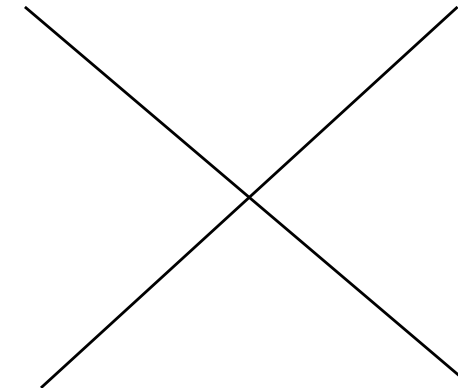
In MET there was a hop over / jump over if mains are not tied, and no symbol if they were tied.

Old
(MET)

Mains Are Not Tied



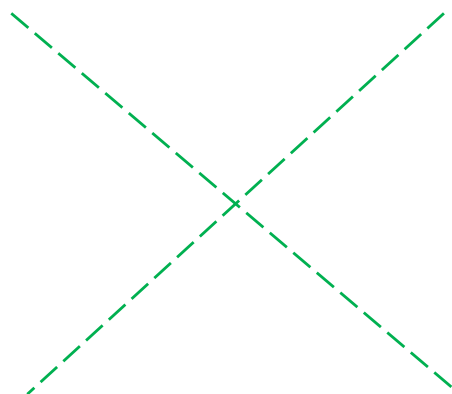
Mains Are Tied



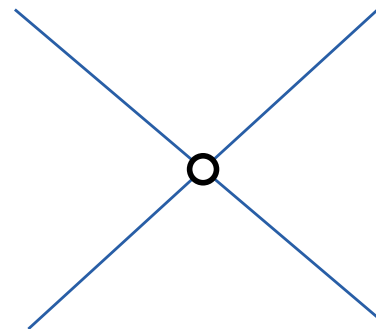
In GIS there will be a fitting (shown as one of the symbols on Symbology Document) if mains are tied and no symbol if they are not tied.

New
(GIS)

High Pressure
Mains Are Not Tied

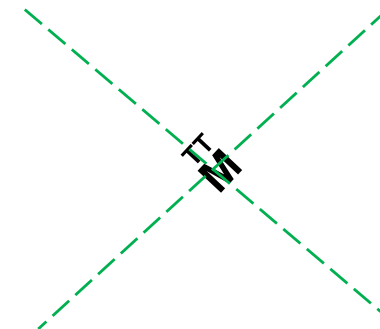


Low Pressure
Mains Are Tied
with a Cross



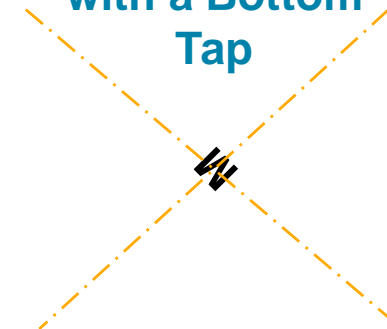
(or)

High Pressure
Mains Are Tied
with a Top Tap



(or)

Semi-High
Pressure
Mains Are Tied
with a Bottom
Tap



Etc.

Legend

Distribution Mains

High Pressure

Semi High Pressure

Low Pressure

Cross ○

Top Tap

Bottom Tap

WALL & PLAT MAP: 12-D12

DATE PRINTED: 4/29/2015

DRAWN BY: HXVD

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PACIFIC GAS & ELECTRIC

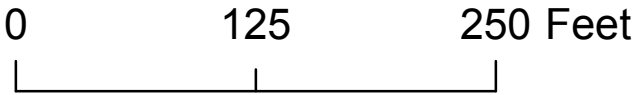
GAS DISTRIBUTION MAPPING

DIVISION: MISSION
COUNTY: ALAMEDA

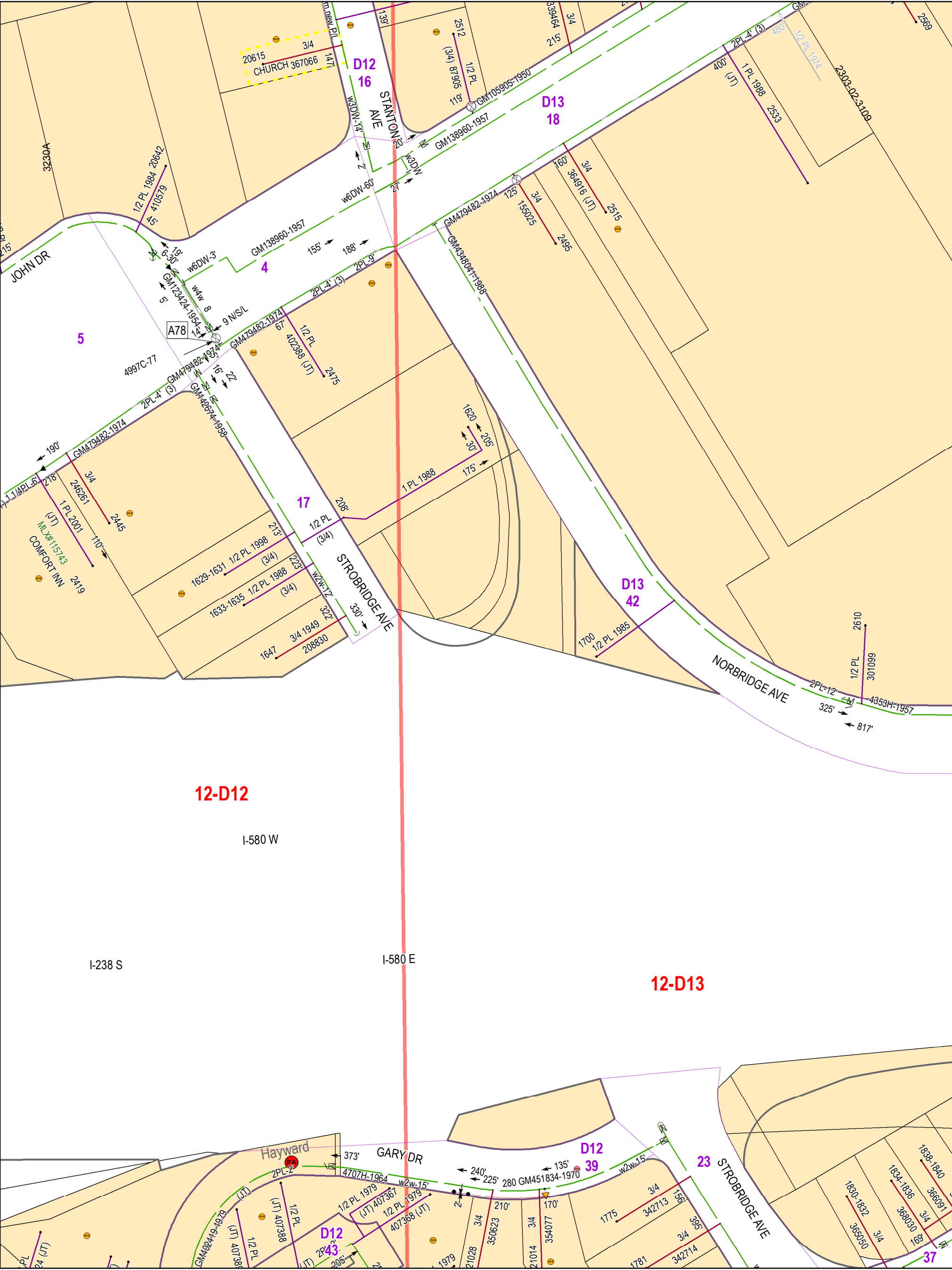
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VERIFY BY HAND TOOLS
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0 125 250 Feet



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