

A	Area
AB	Aggregate Base
Aban	Abandon
Aban'd	Abandoned
Ac	Acre
AC	Asphalt Concrete Alternating Current
ACB	Asphalt Concrete Base
ACP	Asbestos Cement Pipe
ADA	Americans with Disabilities Act
Amp	Ampere
ASB	Aggregate Subbase Asbestos Pipe (archaic)
Ave	Avenue
AWG	American Wire Gauge
B	Bell
BC	Begin Curve
BCR	Beginning of Curb Return
BCW	Bare Copper Wire
BF	Backfill
Bldg	Building
Blk	Block
Blvd	Boulevard
BM	Benchmark
BO	Blowoff (valve)
Br	Brass
BVC	Begin Vertical Curve
C	Conduit
C&G	Concrete Curb & Gutter
CAP	Corrugated Aluminum Pipe
Cap	Capacity
CB	Catch Basin
CC	Center to Center
CF	Cubic Foot Curb Face
CFM	Cubic Feet per Minute
CFS	Cubic Feet per Second
Ch V	Check Valve
CI	Cast Iron
CIP	Cast Iron Pipe
CIPP	Cast-in-Place Pipe
Circ	Circumference
Ckt	Circuit
CL, \mathcal{C}	Centerline
CLF	Chain Link Fence
Clkg	Caulking
CMP	Corrugated Metal Pipe
CO	Cleanout
Conc	Concrete
Concen	Concentric
Conn	Connect
Const	Construct
Cont	Continue
Cop	Copper
Cor	Corner
Corp	Corporation
Cov	Cover
CP	Concrete Pipe (Non-Reinforced)

Csg	Casing
CT	Court
Cu	Cubic
Culv	Culvert
CY	Cubic Yards
D	Drain Diameter of Pipe Height of Semi-Elliptical Conduit
D.I.	Ductile Iron
D/W	Driveway
DC	Direct Current
Deg	Degree
Det	Detail
DF	Douglas Fir
Dia	Diameter
DIP	Ductile Iron Pipe
DMH	Drop Manhole
Dr	Drive
Dwg	Drawing
e	External Distance (Vertical Curves)
E	East
Ea	Each
EBMUD	East Bay Municipal Utility District
EC	End Curve
Ecc	Eccentric
ECR	End of Curb Return
EF	Each Face
Elev	Elevation
EII	Elbow (Pipe)
Emb	Embankment
Enc	Encase
Engr	Engineer
EP	Edge of Pavement
Eq	Equation
ES	Edge of Shoulder
ETW	Edge of Travelled Way
EVC	End of Vertical Curve
EW	Each Way
EX/Exis t	Existing
Exc	Excavate
Exp Jt	Expansion Joint
F	Flange
F/C	Face of Curb
FB	Field Book
FG	Finished Grade
Fin	Finish
FIPT	Female Iron Pipe Thread
Fl	Floor
Fldg	Flanged
Flg	Flange Joint
FM	Force Main
Fnd	Foundation
Ft	Foot, Feet
Ftg	Footing
Furn	Furnish

G	Grate
Ga	Gauge
Gal	Gallon
Galv	Galvanized
GB	Grade Break
GI	Galvanized Iron
GIP	Galvanized Iron Pipe
Gnd	Ground
GPM	Gallons per Minute
Gr	Grade
GV	Gas Valve
H	Height Hub
H&T	Hub and Tack
Hdr	Header
HE	Hub End
Hor	Horizontal
HP	High Point
HW	Headwall
Hyd	Hydraulic
ID	Inside Diameter
IMS	Imported Material Subbase
In	Inch, Inches
Inst	Install
Inv	Invert
IP	Iron Pipe
IPS	Iron Pipe Size
JB	Junction Box
JC	Junction Chamber
JP	Joint Pole
JS	Junction Structure
Jt	Joint
JT	Joint Trench
KW	Kilowatt
L	Length
Lb	Pound, #
LCB	Lean Concrete Base
Ld	Lead
LF	Linear Foot
Lin	Linear
LN	Lane
Long	Longitudinal
LS	Lump Sum
Lt	Left
M.J.	Mechanical Joint
Matl	Material
Max	Maximum
Meas	Measurement
Mfbm	Thousand Feet Board Measure
Mfr	Manufacturer
MG	Million Gallons
Mgal	Thousand Gallons
MGD	Million Gallons per Day
MH	Manhole

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STANDARD DETAIL

ABBREVIATIONS & TERMS

SHEET 1 OF 2

A-1

MH F&C	Manhole Frame and Cover
Mi	Mile
Min	Minimum Minute
MIPT	Male Iron Pipe Thread
Miyd	Mile Yard
MK	Mark
Mod	Model Modify
Mon	Monument Monolithic
MSL	Mean Sea Level Datum
N	North Neutral (electrical)
N&S	Nail and Shiner
NIC	Not Included
Nip	Nipple
No	Number
Nom	Nominal
NRS	Non-Rising Stem
NTS	Not to Scale
NWS	Normal Water Surface
OCB	Oil Circuit Breaker
OD	Outside Diameter
OR	Official Records (County)
OS&Y	Outside Yoke and Rising Stem (Outside Screw and Yoke)
Oz	Ounce
P/L, \overline{P}	Property Line
PACP	Perforated Asbestos Cement Pipe
Pc	Piece
PCC	Portland Cement Concrete Point of Compound Curve
PCP	Porous Concrete Pipe
Ped	Pedestrian
Pg	Page
PG&E	Pacific Gas & Electric Company
PI	Point of Intersection
PMP	Perforated Metal Pipe
PMS	Plant-Mixed Surfacing
POC	Point of Curve
POT	Point on Tangent
PP	Power Pole
PRC	Point of Reversed Curve
Proj	Project
Prop	Property Proposed
Psf	Pounds per Square Foot
Psi	Pounds per Square Inch
PT&T	Pacific Telephone & Telegraph Company
PVC	Point on Vertical Curve Polyvinyl Chloride
PVCP	Perforated Vitrified Clay Pipe
Pvmt	Pavement
R	Radius

Rad	Radial
RC	Reinforced Concrete
RCB	Reinforced Concrete Box
RCP	Reinforced Concrete Pipe
Rd	Road
Rdwd	Redwood
Rdwy	Roadway
Red	Reducer
Reinf	Reinforce
Reqd	Required
Rev	Revised
RI	Rodding Inlet
RPM	Reinforced Plastic Mortar Revolutions per Minute
S	Slope South Spigot
S.O	Side Opening
S/W	Sidewalk
S4S	Surfaced Four Sides
San	Sanitary
SCP	Steel Cylinder Pipe
SD	Storm Drain
Sdl	Saddle
Sec	Second
Sect	Section
Serv	Service
Sew	Sewer
Sht	Sheet
Spec	Special Specification
SPT CO	Southern Pacific Transportation Company
SQ	Square
Sq Ft	Square Foot
Sq Yd	Square Yard
SS	Sanitary Sewer
ST	Street
St	Storm
Sta	Station
Sta Yd	Station Yard
Std	Standard
Stm	Steamer
Str	Structure
Subgr	Subgrade
SVC	Service
SWI	Storm Water Inlet
T	Tangent Distance Thickness
T&G	Tongue and Groove
Tab	Table
Tap	Tapping
TBM	Temporary Bench Mark
TC	Top of Curb
Temp	Temperature Temporary
Terr	Terrace
TMI	Ton Mile
TP	Telephone Pole Top of Pavement Top of Pipe
TPM	Treated Permeable Material

Tr	Tract
Trans	Transition
Tub	Tubing
TYP	Typical
UB	Untreated Base
USC&G S	United States Coast & Geodetic Survey
USGS	United States Geological Survey
V	Velocity of Flow Volt Volume
Var	Varies
VC	Vertical Curve
VCP	Vitrified Clay Pipe
Vert	Vertical
W	Water Watt West Width
WH	Weephole
WIP	Wrought Iron Pipe
WM	Water Meter
WS	Water Surface
WSP	Welded Steel Pipe
Wt	Weight
WV	Water Valve
Yd	Yard



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




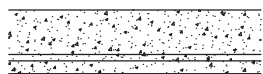









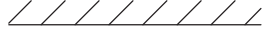

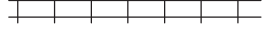
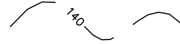
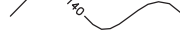
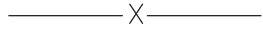

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ABBREVIATIONS & TERMS

SHEET 2 OF 2

A-1

	WATER LINE, ARV, BO
	SEWER LINE, MH
	SS LATERAL WITH CLEANOUT
	STORM DRAIN LINE, CB, MH
	ELECTROLIER / STREET LIGHT
	FIRE HYDRANT
	WATER METER
	POLE WITH SIGN
	DIRECTION OF FLOW
	CURB, GUTTER AND SIDEWALK
	SLOPE BANK
	SET STD. MONUMENT
	FOUND STD. MONUMENT
	SET IRON PIPE
	FOUND IRON PIPE
	SET RR SPIKE
	FOUND RR SPIKE
	FOUND NAIL AND SHINER
	BRACKETS INDICATE RECORDED DATA PER DEED OR MAP
	RELINQUISHMENT OF ABUTTERS RIGHTS
	TRANSMISSION TOWER
	RR TRACKS
	EXISTING CONTOUR
	PROPOSED CONTOUR
	FENCE
	RETAINING WALL

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DRAFTING SYMBOLS

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A-2