









Drawing Legend



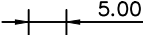
Revised January 30, 2023

Annotation Styles

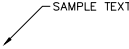






All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

Example	Name / Description	Details
<u>Text</u>		
Font File Name: Simplex.shx unless noted otherwise.		
	LEROY80	Height: 1.00 Width Factor: 1.00
	LEROY100	Height: 1.25 Width Factor: 1.00
	LEROY140	Height: 1.75 Width Factor: 1.00
	LEROY175	Height: 2.00 Width Factor: 1.00
	LEROY200	Height: 2.25 Width Factor: 0.85
	SIMPLEX	Width Factor: 1.00

Dimensions




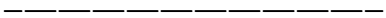



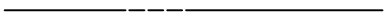



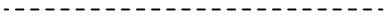

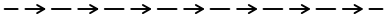
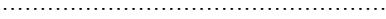


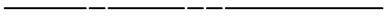
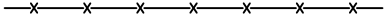


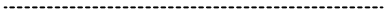

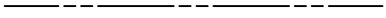


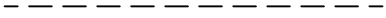


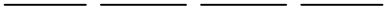
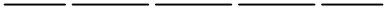

	Dim_Leroy80	Text Style: LEROY80 Arrow Size: 1.00
	Dim_Leroy100	Text Style: LEROY100 Arrow Size: 1.25
	Dim_Leroy140	Text Style: LEROY140 Arrow Size: 1.75

Multi-Leaders

	ML_Leroy80	Text Style: LEROY80 Arrow Size: 1.00
	ML_Leroy80_Circle_No	Block: Leroy80_Circle_No Arrow: None
	ML_Leroy80_Box_No	Block: Leroy80_Box_No Arrow: None
	ML_Leroy100	Text Style: LEROY100 Arrow Size: 1.25
	ML_Leroy100_Circle_No	Block: Leroy100_Circle_No Arrow: None
	ML_Leroy100_Box_No	Block: Leroy100_Box_No Arrow: None
	ML_Leroy140	Text Style: LEROY140 Arrow Size: 1.75



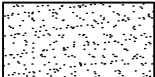
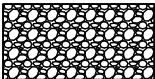
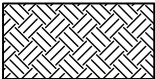
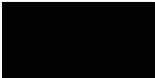
Line Types

All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

Example	Name / Description	Details
Standard AutoCAD line types from Acadiso.lin have been included in COS_Linetypes.lin. LTScale = 1.0 unless noted otherwise.		
	COS_3-3_CONTINUITY	
	COS_5-5_CONTINUITY	
	COS_5-8-5_LANELINE	
	COS_ASPHALT_EDGE	
	COS_BUS_BAY	
	COS_CENTER	
	COS_CONTINUITY_LANE	
	COS_CP_CN	
	COS_CROSSING	
	COS_DASHED	
	COS_DASHEDX2	
	COS_DASHED_BIKE_LANE	
	COS_DASHED_LANE	
	COS_DITCH_DRAINAGE	
	COS_DOTTED	
	COS_EASEMENT	
	COS_ELECTRICAL	
	COS_ELEC_TEL	
	COS_FENCE	
	COS_FUTURE	
	COS_GAS	
	COS_GUIDING	
	COS_HIDDEN	
	COS_PHANTOM	
	COS_PROPOSED_PROPERTY	
	COS_RAILWAYTRACK	
	COS_SAW_CUT	
	COS_TELEPHONE	
	COS_TURN_BAY	
	COS_TEMPORARY_CURB	
	COS_WATER_MAIN	
	COS_WEEPING_TILE	

Hatch Styles

All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

Example	Description	Details
System Variable MEASUREMENT = 1		
	Solid Shading	Hatch Pattern: SOLID
	Concrete	Hatch Pattern: AR-CONC Scale = 0.04
	Sand	Hatch Pattern: AR-SAND Scale = 0.04
	Gravel / Rip Rap	Hatch Pattern: GRAVEL Scale = 0.10
	Soil	Hatch Pattern: EARTH Scale = 0.40
	Asphalt	Hatch Pattern: SOLID

Symbol Blocks

All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

Symbol CoS Infrastructure





















Scales as noted.

Symbol	Description	Details
	Air Release Connection	Block: arc.dwg Scale = 1.75
	Air Release Vent	Block: arv.dwg Scale = 1.75
	Catch Basin	Block: Cb.dwg Scale = 2.00
	Catch Basin Manhole	Block: Cbmh.dwg Scale = 1.75
	Cathodic Protection Anode	Block: ano.dwg Scale = 1.75
	Cathodic Protection Connection	Block: Wmc.dwg Scale = 1.75
	Cathodic Protection Connection (Spigot to Bell)	Block: Bonding.dwg Scale = 1.00
	Cathodic Protection Rectifier	Block: rec.dwg Scale = 1.75
	Cathodic Protection Test Station	Block: CPT.dwg Scale = 1.75
	Chamber (Unknown shape and size)	Block: Chb.dwg Scale = 1.75
	Clean Out	Block: Co.dwg Scale = 1.75
	Cross	Block: Cro.dwg Scale = 2.00
	Culvert Ends	Block: Eoc.dwg Scale = 1.75
	Curb Type Transition	Block: Curb_Transition.dwg Scale = 1.00
	Data Collection Point	Block: DCP.dwg Scale = 1.75
	Easement ID	Block: Easement Number.dwg Scale = 1.00
	Elbows - 11.25°, 22.5°, 45°, 90°, and Custom	Block: E11.dwg, E22.dwg, E45.dwg, E90.dwg & Elx.dwg Scale = 2.00
	Expansion Joint	Block: Exp.dwg Scale = 1.75
	Flange Connection	Block: Flc.dwg Scale = 1.75
	Flow Arrow - W&S	Block: Flar.dwg Scale = 1.75
	Flush	Block: Flu.dwg Scale = 1.75
	Force Discharge Manhole	Block: Fdmh.dwg Scale = 1.75
	Hydrant	Block: Hyd.dwg Scale = 2.00
	Inlet	Block: llet.dwg Scale = 1.75
	Lift Station	Block: Lsta.dwg Scale = 1.75
	Lot Surface Drainage Arrow	Dynamic Block: Lot Arrow.dwg Scale = 1.00
	Lot Surface Drainage Type	Dynamic Block: Lot_Type.dwg Scale = 1.00
	Manhole / Access Shaft Cover	Block: Mh.dwg Scale = 1.75
	Meter Pit	Block: Mpt.dwg Scale = 1.75
	Obstruction	Block: Obs.dwg Scale = 1.75
	Outfall Structure	Block: Out.dwg Scale = 1.75
	Outlet	Block: Olet.dwg Scale = 1.75
	Plug	Block: Plg.dwg Scale = 1.00
	Pressure Gauge	Block: Pga.dwg Scale = 1.75
	Pressure Reducing Valve	Block: Prv.dwg Scale = 1.75

Continued . . .












Symbol Blocks

All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

Symbol	Description	Details
CoS Infrastructure (Continued)		
Scales as noted.		
	Pump Station	Block: psta.dwg Scale = 1.75
	Rain Gauge	Block: Rga.dwg Scale = 1.75
	Reducer / Increaser	Block: Red.dwg Scale = 1.00
	Reservoir	Block: Res.dwg Scale = 1.75
	Riser	Block: Ris.dwg Scale = 1.75
	Road Surface Drainage Arrow (Roadway Dwg)	Block: Flow Arrow.dwg Scale = 1.00
	Road Surface Drainage Arrow (Lot & Easement Dwg)	Block: Street Drainage.dwg Scale = 1.00
	Saddle	Block: Sad.dwg Scale = 1.75
	Sprinkler Head	Block: Sph.dwg Scale = 1.75
	Sub-Drainage Well	Block: Sdw.dwg Scale = 1.75
	Tap	Block: tap.dwg Scale = 1.75
	Tee	Block: Tee.dwg Scale = 2.00
	Terminator	Block: Ter.dwg Scale = 1.75
	Union	Block: Uni.dwg Scale = 1.00
	Valve	Block: Val.dwg Scale = 1.00
	Valve - Check Valve	Block: Vce.dwg Scale = 1.75
	Valve - Curb Stop	Block: Cc.dwg Scale = 2.00
	Valve - Normally Off	Block: Vno.dwg Scale = 1.00
	Valve - ST.S. / Sub-drainage Check Valve (Plan View)	Block: ST_Check_Valve.dwg Scale = 1.00
	Valve - ST.S. / Sub-drainage Check Valve (Profile View)	Block: ST_Check_Valve_Profile.dwg Scale = 1.00

CoS Traffic Management

Scale = 2.00 unless noted otherwise.

	Audible Signal - Chirp	Block: Audible Chirp.dwg
	Audible Signal - Cuckoo	Block: Audible Cuckoo.dwg
	Bus Shelter	Block: Bus Shelter.dwg
	Cable Identification	Blocks: Cable ID Left.dwg & Cable ID Right.dwg
	Curbs & Barriers (Individual)	Dynamic Block: Curbs (Dynamic).dwg
	Junction Box	Block: Junction Box.dwg
	Overhead Advanced Warning (Flashing)	Block: Advanced Warning Flasher.dwg
	Pavement Arrow - Straight	Block: Straight Through Arrow.dwg
	Pavement Arrow - Turning	Dynamic Block: Straight Through & Left or Right - Left or Right Only (Dynamic).dwg
	Pole Locator	Block: Pole Locator.dwg
	Railway Crossing Signals	Block: Rrsig.dwg





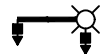











Continued . . .

Symbol Blocks

All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

Symbol CoS Traffic Management (Continued)

Scale = 2.00 unless noted otherwise.

	Railway Crossing Signals & Gate	Block: Rrsig-gate.dwg
	Sign & Street Name Blades	Dynamic Block: Sign and Street Name Blades (Dynamic).dwg
	Signal Arm - Cantilever (13m)	Block: Cantilever Pole (13m).dwg
	Signal Arm - Pedestrian Corridor	Dynamic Block: Pedestrian Corridor (Dynamic).dwg
	Signal Arm & Street Light Combination	Dynamic Block: Combination Pole (Dynamic).dwg
	Signal Arm - Traffic	Dynamic Block: Signal Arm (Dynamic).dwg
	Signal Head - Pedestrian	Dynamic Block: Pedestrian Head (Dynamic).dwg
	Signal Head - Traffic	Block: Signal Head.dwg
	Signal Identification	Block: Signal ID.dwg
	Street Poles	Dynamic Block: Street Poles (Dynamic).dwg
	Signal Cabinet / Controller	Block: Cabinet.dwg
	Sign	Block: Sign.dwg
	Vehicle Detection Loop	Dynamic Block: Loop Detectors (Dynamic).dwg
	Vehicle Detection Zone - Camera/Radar	Block: Camera Loop.dwg
	Vehicle Detector - Camera	Block: Camera.dwg
	Vehicle Detector - Radar	Block: Radar.dwg





Other Utilities

Scale = 1.00 unless noted otherwise.

	Junction Box	Block: JunctBox.dwg
	Guy Anchor	Block: Anchor.dwg
	Overhead Platform	Block: Platform.dwg
	Overhead Structure	Block: Structure.dwg
	Pedestal	Block: Ped.dwg
	Pole	Block: Pole.dwg
	Street Light	Block: StLight.dwg
	Switching Cubicle	Block: SwCub.dwg Scale = 1.25
	Transformer	Block: Xfmr-pm.dwg Scale = 1.25
	Utility Manhole	Block: MH-R1.dwg

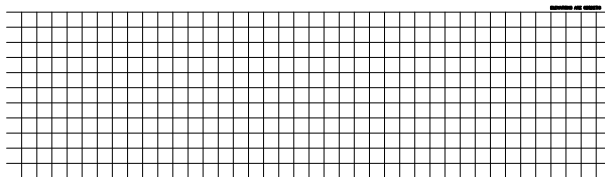
Miscellaneous

Scale = 1.00 unless noted otherwise.

	Benchmark	Block: Bmrk.dwg
	Found Iron Pin / Iron Pin	Block: Fip.dwg
	Tree	Block: Tre.dwg
	Tree	Block: Tree.dwg

Drawing Title Block

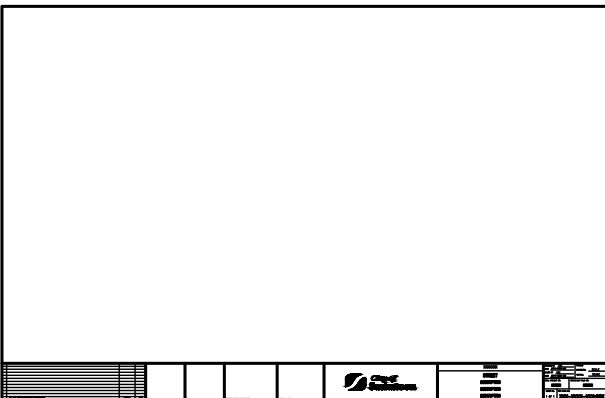
Example

[illegible]

X DESCRIPTION OF REVISION

2077-WON-00 XXX

24x36 DRAWING



Description & Details

Project or Drawing Package Cover Sheet /
Block: TB_11x17-Cover_Sheet.dwg Insertion: 0,0,0
Scale = 1.00

Index Table / Block: TB_11x17-Index_Table.dwg
Insertion Point: 0,0,0 Scale = 1.00

Profile Grid / Block: TB_11x17-Profile_Grid.dwg
Insertion: 0,0,0 Scale = 1.00

Revision Text /
Block: TB_11X17-Revision_Text.dwg Scale = 1.00

24x36 Drawing Note (place on all 24x36 drawings) /
Block: TB_24x36-Drawing-Note.dwg Insertion: 0,0,0
Scale = 1.00

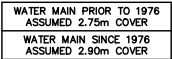
Title Block / Block: TB_11x17-Title_Block.dwg
Insertion: 0,0,0 Scale = 1.00

Drawing Stamps

All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

Stamp	Description	Details
Stamps Shown Smaller than Normal. Scale = 1.00 unless noted otherwise.		

Profile View Area



Water Cover Information

Block: Wacover.dwg

Above Title Block Information Area



As-Built

Block: Stamp_As-Built.dwg



Construction

Block: Stamp_Construction.dwg



As-Built

Block: Stamp_Tender.dwg



For Review Only

Block: Stamp-For_Review_Only.dwg

Across Sheet



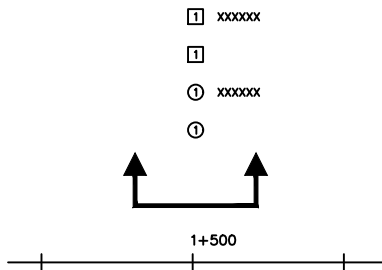
Design Not Constructed

Block: Stamp-Design_Not_Constructed.dwg

General

Example Plan View

LTScale = 1.0 and block Scale = 1.0 unless noted otherwise.



C108 SP109

CONTROL LINE CURVE DATA	
CURVE	RADIUS
C134	400.000

CONTROL LINE SPIRAL DATA	
SPIRAL	LENGTH
SP100	96.250

PROPOSED CURVE DATA		
	200mm S.S.	150mm W.M.
RADIUS	50.5	48.5
Δ	49°35'32"	49°35'32"
ARC LENGTH	43.710	41.979
TANGENT	23.330	22.406

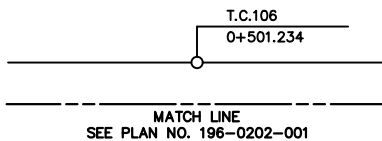
CURVE DATA		
	200mm S.S.	150mm W.M.
RADIUS	50.5	48.5
Δ	49°35'32"	49°35'32"
ARC LENGTH	43.710	41.979
TANGENT	23.330	22.406

CONSTRUCTION NOTES

1. CONTRACT LIMITS SHOWN THUS:
2. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING FOR UNDERGROUND UTILITIES TO BE LOCATED AND MARKED, INCLUDING ELEVATIONS, PRIOR TO DIGGING.

GENERAL NOTES

1. ZINC ANODES ATTACHED TO EACH HYDRANT, VALVE, AND C.I. FITTING FOR 2015 200mm W.M.



Description

Details

Box Note

Dynamic Block: Box-Note.dwg

Box Number

Dynamic Block: Box-Number.dwg

Circle Note / Pipe Note

Dynamic Block: Circle-Note.dwg

Circle Number / Pipe Number

Dynamic Block: Circle-Number.dwg

Contract Limit

Dynamic Block: Contract_Limit.dwg

Control Line

Text Style: LEROY100

Curve / Spiral ID

Text Style: LEROY100

Control Line Curve Data Table

Text Style: LEROY100

Control Line Spiral Data Table

Text Style: LEROY100

Proposed Curve Data Table - W&S Pipes

Text Style: LEROY100

As-built Curve Data Table - W&S Pipes

Text Style: LEROY80

Construction Notes

Title Text Style: LEROY140
Note Text Style: LEROY100

General Drawing Notes

Title Text Style: LEROY140
Note Text Style: LEROY80

Geometric Reference Point

Text Style: LEROY100

Match Line & Text

Text Style: LEROY100

North Arrow

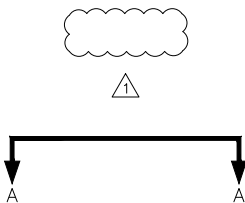
Block: North-s.dwg

Continued . . .

General

Example
Plan View (Continued)

LTScale = 1.0 and Block Scale = 1.0 unless noted otherwise.



Description

Details

Revision Cloud

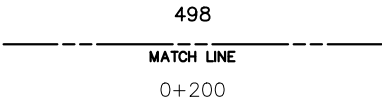
Revision Triangle

Block: Revision_Triangle.dwg

Section / Cutting Plane

Text Style: LEROY140

Profile View



Elevation Label

Text Style: LEROY140

Match Line & Text

Text Style: LEROY100

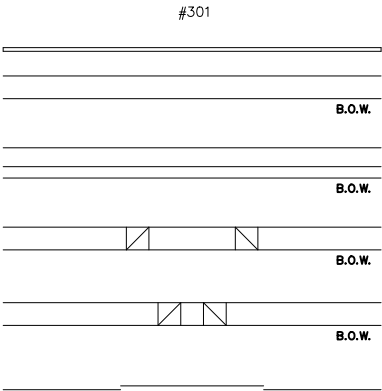
Station Grid Labels

Text Style: LEROY140

Land & Roads

Example Plan View

LTScale = 1.0 unless noted otherwise.



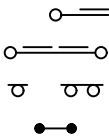
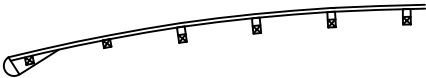
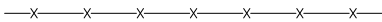
R=25.125

C110 SP103

CURVE DATA AT LIP	
CURVE	RADIUS
C106	390.000
C107	397.250

SPIRAL DATA AT LIP	
SPIRAL	LENGTH
SP101	64.641
SP102	63.702

0.77



Description

Details

Civic Address

Text Style: LEROY100

Concrete Swale

Offset to match swale width.

Curb & Walk - Combined

Curb & Walk - Separate Walk / Walkway

Curb & Walk - Driveway

Curb & Walk - Pedestrian Ramp

Curb & Walk - Dropped Curb

Curve Radius

Text Style: LEROY80

Curve / Spiral ID

Text Style: LEROY100

Curve Data - Gutter Lip

Text Style: LEROY100

Spiral Data - Gutter Lip

Text Style: LEROY100

Detail Grades

Text Style: LEROY80

Fence

Line Type: COS_FENCE

Geo-grid

Hatch Pattern: ANSI31 Scale: 1.00

Geometric Dimensions

Dimension Style: Dim_Leroy80

Geometric Dimensions Including Median

Dimension Style: Dim_Leroy80

Guard Rail

Guide Sign - Cantilever

Guide Sign - Overhead

Guide Sign - Ground Mount

Pedestrian Barricade



Continued . . .

Roads and Land

All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

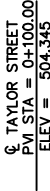

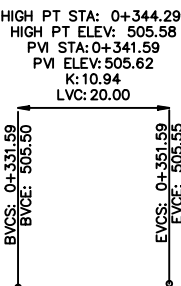
Example Plan View (Continued)

LTScale = 1.0 unless noted otherwise.

Block NO. 101	Registered Plan - Block No.	Text Style: LEROY140
14.50	Registered Plan - Dimension	Text Style: LEROY80
20	Registered Plan - Lot No.	Text Style: LEROY100
MR1 G	Registered Plan - Parcel No.	Text Style: LEROY100
REG'D PLAN NO. 101985551	Registered Plan - Plan Number	Text Style: LEROY140
✕	Railway Crossing Sign	
	Railway Tracks	Width: 1.5 Centerline Line Type: COS_RailwayTrack
	Retaining Wall	
TAYLOR STREET	Street Name	Text Style: LEROY140
0.60% 0.60%	Surface Drainage Direction and Percent Grade	Text Style: LEROY100
PT 1024 CT STA 2+695.33 12.525m OS	Survey Point Text	Text Style: LEROY100
PT 8059 PVI+CB STA 1+265.19 11.200m OS		

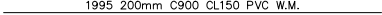
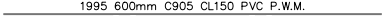


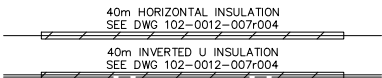


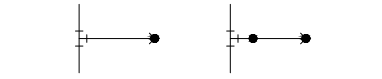

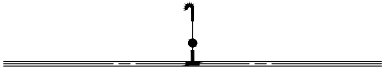
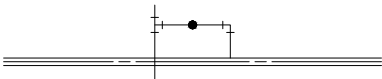
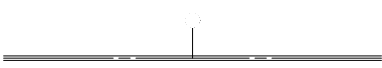

Profile View

LTScale = 1.0 unless noted otherwise.

	Grade Break Labelling	Text Style: LEROY100
1.28%	Percent Grade Labelling	Text Style: LEROY100
	Street Name & Centreline Elevation (W&S Drawings)	Text Style: LEROY100
	Vertical Curve Labelling	Text Style: LEROY100

Water Distribution

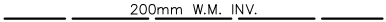
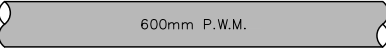

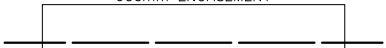
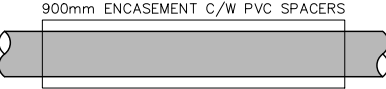
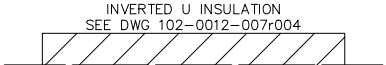
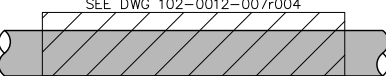
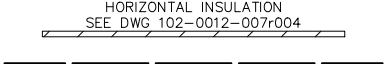
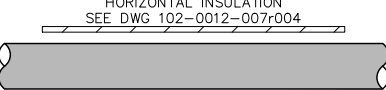
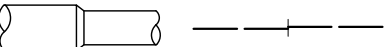


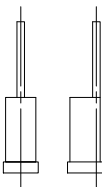
All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

Example Plan View	Description	Details
<p>LTScale = 1.0 unless noted otherwise.</p>  <p>1995 200mm C900 CL150 PVC W.M.</p>  <p>1995 600mm C905 CL150 PVC P.W.M.</p>  <p>600mm CONC. ENCASEMENT (40.00)</p>  <p>900mm STEEL ENCASEMENT C/W PVC SPACERS (40.00)</p>  <p>40m HORIZONTAL INSULATION SEE DWG 102-0012-007r004 40m INVERTED U INSULATION SEE DWG 102-0012-007r004</p>  <p>PROP. 200mm C900 CL150 PVC W.M.</p> <p>1995 200mm C900 CL150 PVC W.M.</p>	<p>Water Main</p> <p>Primary Water Main ($\geq 400\text{mm } \varnothing$)</p> <p>Encasement / Tunnel Liner</p> <p>Insulation</p> <p>Stub or Plug</p> <p>Text - Design / Construction Text - As-Built / Existing</p>	<p>Shown True Size Centerline Line Type: COS_CENTER</p> <p>Hatch Pattern: ANSI31 Scale = 1.00</p> <p>Text Style: LEROY100 Text Style: LEROY80</p>
	Junctions (Elbow, Tee, Cross)	
	Hydrant Assembly	
 <p>150mm IRRIGATION CONNECTION</p> <p>50mm IRRIGATION CONNECTION</p>	Park Irrigation Connections	
	Air Release Vent Assembly	
	Interconnection Assembly	
	Pumped Drain Structure	
	Valve Chamber	

Continued . . .




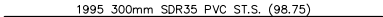
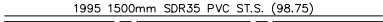


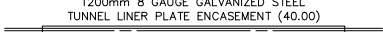
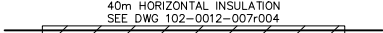
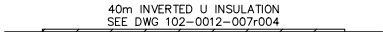
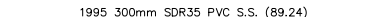








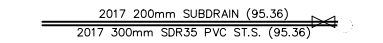
Water Distribution

All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

Example	Description	Details
<u>Profile View</u>		
LTScale = 1.0 unless noted otherwise.		
	Water Main @ Invert	
	Large/Primary Water Main (400mm +)	Shown True Size (Do not offset, copy vertically) Hatch Pattern: Solid
	Crossing Water Main (Invert)	
		
	Encasement / Tunnel Liner	
		
	Insulation - Inverted U	Hatch Pattern: ANSI31 Scale 1.00
		
	Insulation - Horizontal	Hatch Pattern: ANSI31 Scale 1.00
	Pipe Diameter Change	
	Stub or Plug	
200mm W.M. INV.	Text - Design & As-Built	Text Style: LEROY100
	Pumped Drain Structure	Centerline Line Type: COS_CENTER
	Chamber	Centerline Line Type: COS_CENTER

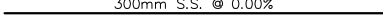
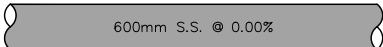
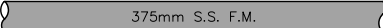

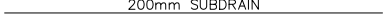
Sanitary and Storm Sewers

All setting are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

Example	Description	Details
Plan View		
LTScale = 1.0 unless noted otherwise.		
	Sanitary Sewer Main	
	Large/Trunk Sanitary Sewer Main (>=600mm Ø)	Shown True Size Centerline Line Type: COS_CENTER
	Force Main	
	Storm Sewer Main	
	Large/Trunk Sanitary Sewer Main (>=600mm Ø)	Shown True Size Centerline Line Type: COS_CENTER
	Sub-Drainage Main	
		
	Encasement / Tunnel Liner	
	Insulation	Hatch Pattern: ANSI31 Scale = 1.00
		
	Text - As-Built / Existing	Text Style: LEROY80
	Text - Design / Construction	Text Style: LEROY100
	Catch Basin & Lead	
	Chamber	
	Culvert	
	Rip Rap	Hatch Pattern: GRAVEL Scale = 0.10
	Sanitary Service Riser	
	Storm Sewer Outfall	
	Stubbed Pipe	
	Storm Sewer Main and Manhole with Sub-Drainage Main and Check Valve	

Profile View


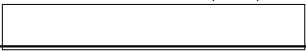
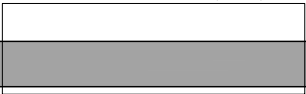
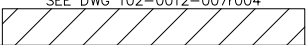
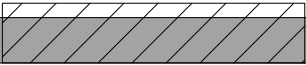

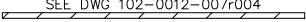

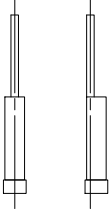
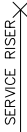

LTScale = 1.0 unless noted otherwise.

	Sanitary Sewer Main @ Invert	
	Large/Trunk Sanitary Sewer Main (>=600mm Ø)	Shown True Size (Do not offset, copy vertically)
	Sanitary Sewer Force Main	Always Shown True Size (Do not offset, copy vertically)
	Storm Sewer Main	Always Shown True Size (Do not offset, copy vertically)
	Sub-Drainage Main	

Continued . . .

Sanitary & Storm Sewers

All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

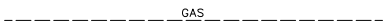




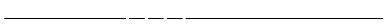
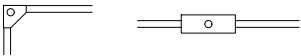

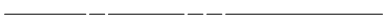
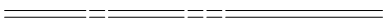
Example	Description	Details
Profile View (Continued)		
LTScale = 1.0 unless noted otherwise.		
	Crossing Sewer Main (Invert)	
		
	Encasement / Tunnel Liner	
	Insulation - Inverted U	Hatch Pattern: ANSI31 Scale 1.00
		
	Insulation - Horizontal	Hatch Pattern: ANSI31 Scale 1.00
		
	Manhole	Centerline Line Type: COS_CENTER
	Chamber	Centerline Line Type: COS_CENTER
	Service Riser	
	Stub Or Plug	
300mm S.S. @ 0.52%	Text - Design & As-Built	Text Style: LEROY100

Underground Utilities

All settings are suitable for 11"x17" drawings at 1:1000 scale. Adjustments required for differing scale or drawing size.

Example	Description	Details
<u>Plan View</u>		

LTScale = 1.0 unless noted otherwise.

	Gas Line	
	Electrical Line (Power, Street Lights, Railway, Traffic)	
	Electrical Duct Formation	Shown True Width
	SaskTel Line / Cable T.V. Line (CATV)	
	SaskTel Duct Formation	Shown True Width
	CP-CN Telecommunication Line	
	Manholes	Shown True Shape and Size
	Electrical Vault	
	Combined SaskTel / Electrical Lines	
	Combined SaskTel / Electrical Duct Formation	Shown True Width