

# CITY OF ROSEVILLE

## DESIGN AND CONSTRUCTION DETAILS

### January 2023

#### Trench Backfill

Utility Trench Paving Backfill and Embedment	TB 1
HDPE, SRHDPE & PVC Storm Drain Pipe Only (Nonrigid)	TB 2
Bedding and Backfill	
Deep Cut “T” Patch Reconstruction	TB 3
Rock Wheel Trench (In Existing Street)	TB 4
Pothole Reconstruction	TB 5

#### Streets

Alley Detail	ST 1a
Modified Alley Residential	ST 1b
Minor Residential Streets – Attached Sidewalk	ST 2
Minor Residential Streets – Detached Sidewalk	ST 3
Primary Residential Streets – Attached Sidewalk	ST 4
Primary Residential Streets – Detached Sidewalk	ST 5
Collector/Industrial Streets – Attached Sidewalk	ST 6
Collector/Industrial Streets – Detached Sidewalk	ST 7
Minor Arterial Streets	ST 8
Major Arterial Streets	ST 9
Four-lane Arterial Single Left Turns	ST 10
Four-lane Arterial Dual Left Turns	ST 11
Six-lane Arterial Single Left Turns	ST 12
Six-lane Arterial Dual Left Turns	ST 13
Cul-De-Sac Street	ST 14
Offset Cul-De-Sac Street	ST 15
Standard Elbow	ST 16
Type 1 and 2 Curb and Gutter with Sidewalk	ST 17
Barrier Curbs and Valley Gutters	ST 18
Acceleration Lane for Free Rights	ST 19
“Type S” Driveway Apron	ST 20
“Type D” Driveway Apron	ST 21
“Type A-7” Driveway	ST 22
Right Turn Curb Flare	ST 23
Right Turn Curb Flare (With “Type A-7” Driveway)	ST 24
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Case “C” Pedestrian Curb Ramp – Attached Sidewalk	ST 26
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Bus Stop Shelter Pad	ST 28
Bus Turnout Concrete Slab	ST 29
Gull Wing Design	ST 30

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Green Belt Access	ST 41
Under Walk Drain	ST 42
Under Walk Drain (Flows from Street)	ST 42A
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Landscape Sight Distance	ST 44
Residential Bulbed Intersection	ST 45
Permitted Driveways Streets or Minor Arterials	ST 46
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## **Domestic Water**

Water Main Trench and Backfill	W 1
Fire Protection Assembly	W 2
Onsite Fire Protection	W 3
<b>Dead-End Hydrant Assembly</b>	<b>W 4</b>
Residential 1" Service Line	W 5
Commercial 1" Service Line	W 6
Commercial/Irrigation 1 1/2" & 2" Service Line	W 7
<b>Commercial 3" &amp; Larger Service</b>	<b>W 8</b>
Residential Water Service	W 9
Residential Water Service For Separated Sidewalks	W 10
Sampling Station	W 11
1" and 2" Air Release Valve Assembly	W 12
<b>Fire Hydrant Assembly</b>	<b>W 13</b>
Construction Water Detail	W 14
Backflow Manifold Schematic	W 15
Gate Valve & Box	W 16
Tracing Wire Splice	W 17

Trench and Backfill for All Water Line 2” and smaller	W 18
Insulating Flange Test Station	W 19
Exothermic Weld	W 20
Insulated Flange	W 21
Casing & Test Station	W 22
Shallow Water Mains	W 23
Siphon S Concrete Encasement	W 24
36” Manhole Ring and Cover	W 25
Saddle Detail	W 26
Dual Water Use (Potable) ¾” & 1” Service Line	W 27
Combination Pressure Reducing and Pressure Sustaining Valve	W 28
3”, 4”, 6”, 8” Compound & Turbo Meter With Bypass	W 29
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3” Through 6” ARV	W 33
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## **TRAFFIC SIGNALS – CITY APPROVED EQUIPMENT LIST**

### **TRAFFIC SIGNALS**

Typical Service and Wiring Schedule	TS 1
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### **Sanitary Sewer**

Sewer main Trench and Backfill	SS 1
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<b>Sewer Manhole Cast-in-Place</b>	<b>SS 2A</b>
Standard Sewer manhole Frame and Cover	SS 3
Sewer Service	SS 4
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Grease Interceptor (TYP)	SS 6
Sand/Oil Interceptor	SS 7
Trench Dam	SS 8
Creek Crossing Support	SS 9
60" + and Sewer Trunk Main Manhole	SS 10
Camera Channel Manhole	SS 11
Inside Drop Connection	SS 12

### **Drainage**

Drop Inlet Type "C"	DR 1
Flow Capacity Type "C" Grate	DR 2
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### **Grading**

Class 1 Lot Grading	GR 1
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Exterior Perimeter Property Line Grading	GR 4
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### **Bikeways**

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Bench Installation Detail Adjacent to Bike Trail	BK 3
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### **Recycled Water**

Recycled Water 2” Blowoff Assembly (All Brass)	RW 1
Recycled Water inline 2” Blowoff Assembly (All Brass)	RW 2
Recycled Water Construction Water	RW 3
Recycled Water 3” & Larger Service	RW 4
1” and 2” Air Release Valve Assembly	RW 5
3/4” and 1” Service Line	RW 6
Recycled Water #88-V Eclipse Sampling Station for Warm Climates	RW 7
1 1/2” and 2” Recycled Water Service	RW 8
Recycled Water Use Signage	RW 9
<b>Transmission Main Subsurface Blow Off</b>	<b>RW 10</b>

### **Solid Waste**

<b>Standard Trash Enclosure</b>	<b>SW 1</b>
Front Loading Compactor Enclosure	SW 2
Commercial Compactor Enclosure	SW 3
Residential/Commercial Compactor Enclosure	SW 4