

TABLE OF CONTENTS

CITY OF SPOKANE STANDARD PLANS

X-### = Revised Standard Plan
 ***X-### = New Standard Plan

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
<u>SECT. A:</u>		
<u>MISCELLANEOUS</u>		
A-1	Utility Trench Backfill – Pipe Zone <i>(previously B-18C)</i>	2/17
A-2	Utility Trench Backfill – Above Pipe Zone <i>(previously B-18D)</i>	4/12
A-3	Utility Trench Backfill – Requirements using CDF <i>(previously B-18E)</i>	1/17
A-4	Sewer Utility – Location and Construction Requirements <i>(previously W-110)</i>	5/07
A-5	Water and Sewer Crossings <i>(previously W-111)</i>	1/09
A-6	Underground Utility Location for Existing Streets <i>(previously W-112)</i>	11/18
A-7	Underground Utility Location for New Developments <i>(previously W-113)</i>	11/18
A-8	Adjustment Section – Grade Rings (Risers) <i>(previously B-123)</i>	1/17
A-9	Casing / Carrier Pipe – Details <i>(previously Y-110)</i>	7/20
A-10	Cut-Off Wall <i>(previously B-19)</i>	1/17
A-11	Pipe Anchor <i>(previously B-117)</i>	6/92
A-12	Manhole Frame and Cover <i>(previously B-112)</i>	5/07
A-13	Manhole Frame and Cover – 3 Point Bolt Down <i>(previously B-112A)</i>	5/07
***A-14	Bike Rack.....	4/23
***A-15	Bike Rack Spacing.....	4/23
***A-16	Bike Hitch.....	4/23
<u>SECT. B:</u>		
<u>STORM DRAINAGE</u>		
B-2A	Directional Vaned Grate.....	5/07
B-2B	Bi-Directional Vaned Grate.....	5/07
B-2C	Grate Guard.....	5/07
B-3A	Frame and Grate for CB – Type 1.....	4/13
B-3B	Frame and Grate for CB – Type 3.....	4/13
B-3C	Frame and Grate for Inlet – Type 3.....	4/13
B-18C	<i>See Std. Plan A-1</i>	
B-18D	<i>See Std. Plan A-2</i>	
B-18E	<i>See Std. Plan A-3</i>	
B-19	<i>See Std. Plan A-10</i>	
B-101B	Catch Basin – Type 0.....	10/19
B-101C	Catch Basin – Type 1.....	10/19
B-101D	Catch Basin – Type 2.....	10/19
B-101D1	Catch Basin – Type 2 w/ Conversion Unit for WSDOT Vaned Grates.....	5/21
B-101D2	Conversion Unit – Retro Fit for Catch Basin Type 2.....	9/10
B-101D3	Conversion Unit Notes – Including Bar List & Bending Diagram.....	9/10
B-101E	Catch Basin – Type 3.....	10/19
B-101F	Catch Basin – Type 4.....	10/19
B-102C	Drywell – Type 1.....	10/19

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
B-102D	Drywell – Type 2	10/19
B-102F	Bio-Infiltration Swale w/ Overflow Structure.....	4/22
B-105	Catch Basin Cover – Type 2 with Sill Block.....	7/02
B-111	Absorption Trench Detail.....	1/17
B-112	<i>See Std. Plan A-12</i>	
B-112A	<i>See Std. Plan A-13</i>	
B-113	Catch Basin Frame and Grate.....	2/90
B-114	Catch Basin Frame and Cover – Type 2	4/04
B-117	<i>See Std. Plan A-11</i>	
B-119	Grate Inlet Structure – Type 3	10/19
B-120	Outlet Trap.....	1/17
B-122	<i>See Std. Plan Z-118</i>	
B-123	<i>See Std. Plan A-8</i>	
<u>SECT D:</u>	<u>RETAINING WALLS</u>	
D-101B	Concrete Curb Wall.....	4/12
D-102	Retaining Wall Steps.....	2/86
D-103	Rock Retaining Wall	5/07
D-104	Concrete Gravity Wall	4/13
D-105	Concrete Retaining Wall – Details.....	4/04
D-105A	Concrete Retaining Wall Joints – Modifications for Stone Facings.....	2/86
D-106	Rockery Retaining Wall	8/19
<u>SECT F:</u>	<u>CURBS AND SIDEWALKS</u>	
F-101	Reinforced Doweled Curb	4/12
F-102	Concrete Sidewalk.....	4/13
F-102A	Integral Concrete Curb & Sidewalk	4/13
F-102B	Concrete Sidewalk Sections	4/13
F-102C	Concrete Sidewalk Repairs – Ramping Over Tree Roots	4/13
F-102D	Concrete Sidewalk Repairs – Diverting Around Tree Roots.....	4/13
F-103	Concrete Driveway – Adjacent Sidewalk / Type 1.....	4/13
F-103A	Concrete Driveway – Adjacent Sidewalk / Type 2.....	4/13
F-103B	Concrete Driveway – Adjacent Sidewalk / Type 3.....	4/13
F-104	Concrete Driveway – PED Buffer Strip Width \geq 5 Ft	4/13
F-104A	Concrete Driveway – PED Buffer Strip Width $<$ 5 Ft	4/13
F-104B	Concrete Driveway w/ Integrated Swale Inlet.....	4/22
F-105	Curb Ramp Type-1 (2 Sheets)	4/13
F-105A	Curb Ramp Type-2, Preferred (2 Sheets)	4/13
F-105B	Curb Ramp Type-2, Restricted ROW (2 Sheets)	4/13
F-105C	Curb Ramp Type-3, Adjacent Sidewalk (2 Sheets).....	4/13
F-105D	Curb Ramp Type-3, Separated Sidewalk (2 Sheets)	4/13
F-106	Concrete Curb and Curb / Gutter	4/12
F-106A	Concrete “V” Gutters	4/12
F-106B	Curb and Curb/Gutter @ Curb Ramps and Driveways	4/12
F-106C	Cement Concrete PED Curb.....	4/13

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
F-106D	Curb/Gutter.....	3/18
F-107	Tree Well Blockout for 4' x 8' Metal Grate.....	4/18
F-107A	Existing Sidewalk Retrofit; Options for Street Tree Installation.....	9/10
F-107B	Marking Irrigation Sleeves.....	7/14
F-108	Traffic Island.....	4/12
F-108A	Traffic Island Pocket and Nosing Parameters.....	3/94
F-109	Curb Drop Inlet.....	4/22
F-110	Swale Drain Pad.....	4/22
F-111	Vaulted Sidewalk Elimination w/ CDF Backfill.....	9/10
<u>SECT G:</u>	<u>SIGNING AND STRIPING</u>	
G-10	Sign Post, Type P.....	1/17
G-10A	Sign Post Installation, Type A.....	4/22
G-10B	Sign Post Installation, Type B.....	4/22
G-10C	Sign Post Installation, Type C.....	4/23
G-10D	Sign Post Installation, Type D.....	4/23
G-10E	Sign Post Installation, Type E.....	1/17
***G-10F	Sign Post Installation, Type F.....	4/23
***G-10G	Sign Post Installation, Type G.....	4/23
G-20A	Heights and Lateral Locations: Roadside.....	4/23
G-20B	Heights and Lateral Locations: Roadside - Street Name.....	4/23
G-21	Heights and Lateral Locations: Islands and Medians.....	1/12
G-22	Sign Orientation.....	4/23
G-30A	Sign Mounting Hardware: Round Surface.....	1/12
G-30B	Sign Mounting Hardware: Round Surface - Cantilever.....	1/12
G-31	Sign Mounting Hardware: Street Name Plated.....	3/14
G-40	Traffic Signs: Sheeting Specification.....	4/23
G-41A	DELETED - Traffic Signs: Street Name.....	4/23
G-41B	DELETED - Traffic Signs: Street Name.....	4/23
G-50A	Pavement Markings: Longitudinal Layout.....	4/23
G-50B	Pavement Markings: Longitudinal Layout - Dots.....	2/15
G-50C	Pavement Markings: Extension Lines - Dots.....	1/17
G-51	Pavement Markings: Crosswalk / Stop Line Layout.....	4/23
G-52A (1of2)	Pavement Markings - Symbols: Arrows and Only Specifications.....	4/23
G-52A (2 of 2)	Pavement Markings - Symbols: Arrows and Only Specifications.....	4/23
G-52B	Turn Lanes: Arrow / Only Layout.....	1/17
G-53	Pavement Markings – Symbols: Bicycles and Arrow Specifications.....	4/23
G-54	Pavement Markings – Symbols: Accessible Parking.....	1/12
G-59	Parking Meter Post Installation.....	4/23
G-60	Edge Lines: Parking Stall Lines.....	4/23
G-60A (1of2)	Angled Parking.....	4/23
G-60A (2of2)	Angled Parking.....	4/23
G-61	Edge Lines: Bicycle Markings & Signs.....	4/23
G-70	Turn Lanes: Two Way Left Turn.....	1/12
G-71	Turn Lanes: Added Lane.....	1/17
G-72A	Turn Lanes – Trapping: One Way Street.....	4/23

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
G-72B	Turn Lanes – Trapping: One Lane, Two Way Street.....	4/23
G-72C	Turn Lanes – Trapping: Two Lane, Two Way Street.....	4/23
G-72D	Turn Lanes – Trapping: Three Lane, Two Way Street.....	4/23
G-80A	Parking Stalls: Accessible, Off Street.....	4/23
G-90	Signing Requirements: End of Arterial.....	1/12
G-91	Signing Requirements: Street Name/Cardinal Direction Change.....	4/13
G-92	Signing Requirements: Dead End/ No Outlet.....	2/17
G-92A	End of Road Barricade.....	2/17
G-93	Signing Requirements: Private Roadway.....	4/23
G-94A	Signing Requirements: Stop/Yield Sign Removal.....	4/23
G-94B	Signing Requirements: Signal Removal.....	1/12
***G-94C	Signing Requirements: Stop/Yield Sign Installation.....	4/23
***G-95	Signing Requirements: Pedestrian Hybrid Beacon.....	4/23
G-100A	Traffic Island / Median: Channelizers – Type 1.....	2/15
G-100B	Traffic Island / Median: Channelizers – Type 2.....	2/15
G-100C	Traffic Island / Median: Channelizers – Type 3.....	2/17
G-100D	Traffic Island / Median: Channelizers – Type 4.....	11/18
G-101	Traffic Island / Median Channelizer and Sign Layout.....	1/12
G-102	Traffic Island / Median: Gull Wing Layout.....	1/17
G-103 (1 of 2)	Traffic Island / Median: Traffic Circle Layout.....	4/23
G-103 (2 of 2)	Traffic Island / Median: Traffic Circle Layout.....	2/17
G-110A	Deceleration / Acceleration Lanes: Initial Development.....	2/17
G-110B	Deceleration / Acceleration Lanes: Continued Development.....	2/17
<u>SECT H:</u>	<u>SURVEY MONUMENTS</u>	
H-101	Monument Frame and Cover.....	5/07
H-102	<i>See Std. Plan J-112E</i>	
H-103	Standard Bench Mark.....	5/07
H-104	Monument Frame Riser Ring.....	5/07
H-105	Monument Installation.....	9/19
<u>SECT J:</u>	<u>TRAFFIC SIGNALS & STREET LIGHTING</u>	
J-100	Traffic Symbols.....	11/18
J-100A	Basic 8 Phase Intersection Phasing & Equipment Layout.....	2/15
J-100B	Signal Head & Pedestrian Display Wiring.....	11/18
J-101	Signal Mountings, Post Top – Types A1, A2, F1, F2.....	4/04
J-101B	Signal Mountings, Post Top – Types A(3)2-F2, A(3)1-F2, A(3)1-F1, A(3)2-F1.....	4/15
J-101C	Signal Mountings, Post Top – Types A(5)1-A(3)1-F2, A(5)1-F2, A(5)1-A(3)1-F1, A(5)1-F1, A(3)1-A(5)1-F1.....	4/04
J-101D	Signal Mountings, Post Top – Types A(4)1-A(3)1-F2, A(4)1-F2, A(4)1-A(3)1-F1, A(4)1-F1.....	4/04
J-102	Bracket Signal Mountings – Types B(3B), B(3)2, B(3)1, P2, & P1.....	4/23
J-102A	Bracket Signal Mountings – Types B(4,3)2.....	4/15
J-102B	Bracket Signal Mountings – Types B(5)1-B(3)1 & B(5)1.....	4/15
J-103A	Signal Mount, Mast Arm – Type D(3).....	11/18

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
J-103B	Signal Mount, Mast Arm – Type D(4)	11/18
J-103C	Signal Mount, Mast Arm – Type D(5)	11/18
J-103D	Signal Mount, Mast Arm – Type D(3B).....	4/23
J-104	Signal Pole and Foundation – Type 1	10/20
J-105	Signal Pole / Luminaire Mast Arm and Foundation – Type 4	2/21
J-105A	Signal Pole / Single Mast Arm and Foundation – Type 2	4/23
J-105B	Signal Pole / Single Mast Arm / Luminaire Arm & Foundation – Type 3	4/23
J-105C	Luminaire Pole & Foundation	4/23
J-105D	Pedestrian Hybrid Beacon Single Mast Arm / Luminaire Arm & Foundation – Type 3.....	4/23
J-105E	Terminal Cabinet	11/18
J-106	Foundation Concrete Controller Base	11/18
J-106A	Anchor Bolt Location Type ‘M’ Cabinet	3/99
J-106B	Anchor Bolt Location Type ‘P’ Cabinet	3/99
J-107	Vehicle Induction Loops Types 1, 2, 3, and 5.....	4/23
J-107A	Vehicle Induction Loop Wiring Types 1, 2, 3, and 5	11/18
J-107B	Loop Lead-In Splicing Re-Enterable Closure	3/99
J-107C	Microloop Probe Detector Loop Type 4.....	4/15
J-107D	Vehicle Induction Loop Labeling.....	3/15
J-108	Pedestrian Push Button Pole, Foundation, APS, & Silent Push-Button	9/19
J-109	Typical Cabinet Cable Routing and Cable Ties.....	11/18
J-110	Aerial Electrical Service	4/23
J-111	DELETED - Illumination / Machine Vision Diagram – Typical	4/23
J-111A	Grounding Wire Diagram – Typical	1/08
J-111B	Illumination Diagram – Typical	4/04
J-112 (1 of 3)	Junction Box Details	4/23
J-112 (2 of 3)	Junction Box Details	4/23
J-112 (3 of 3)	Junction Box Details	4/23
J-112A	Pull Box Installation	4/23
J-112B	Cable Vault Installation.....	4/23
J-112C	Cable Racking for Pull Box & Cable Vault Installation.....	1/12
J-112D	Maxcell Anchored In Pull Box or Cable Vault	11/18
J-112E	Monument Frame and Cover – Traffic (previously H-102)	3/21
J-113	Down Guy.....	5/07
J-114	Sidewalk Back Guy	5/07
J-115	Aerial Splice Closure	5/07
J-116	Corner Deadend	5/07
J-117	Deadend and Underground Entrance	5/07
J-118	Suspension Clamp – Figure 8 System	5/07
J-119 (1 of 2)	Underground Electrical Service	4/23
***J-119 (2 of 2)	Underground Electrical Service	4/23
J-119A(1 of 2)	Downtown Underground Electrical Service Cabinet	4/23
***J-119A(2 of 2)	Downtown Underground Electrical Service Cabinet	4/23
J-119B	DELETED - Downtown Typical Service Cabinet Wiring	4/23
J-120	Signal Pole Base Cover (If Needed).....	10/20
J-121	Combination Pre-empt Detector & Indicator Mounting Detail.....	11/18
J-200	Decorative Street Lighting Districts	11/18

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
J-201	P1A Luminaire Pole.....	4/23
J-202	P1B Luminaire Pole.....	4/23
J-203	P2B Luminaire Pole.....	4/23
J-204	P1C Luminaire Pole.....	4/23
J-205	P2C Luminaire Pole.....	4/23
J-206	S2B Luminaire Pole.....	4/23
J-207	S2C Luminaire Pole.....	4/23
J-208	Luminaire Pole Details.....	11/18
J-210	Street Lighting Location.....	11/18
J-211	“P” Series Luminaire Foundation.....	4/23
J-211A	“P” Series Luminaire Foundation Shallow.....	4/23
J-212	“S” Series Luminaire Foundation.....	4/23
J-212A	“S” Series Luminaire Foundation Shallow.....	4/23
J-213	Decorative Tree Lighting.....	8/19
J-213A	Irrigation to Pole for Vegetation.....	2/21
J-300	School 20 When Flashing Solar Power.....	4/23
J-301	RRFB / Speed Sign – Solar Power	4/23
J-301A	RRFB / Speed Sign – Aerial Power.....	4/23
J-302	Rectangular Rapid – Flashing Beacon (RRFB) Solar Power.....	4/23
<u>SECT K:</u>	<u>TRAFFIC CONTROL</u>	
K-119	Striping, Temporary – 2 Lanes.....	5/07
K-120	Striping, Temporary – 4 Lanes.....	5/07
K-121	Barricade, No Parking – Temporary.....	1/08
K-121A	No Parking Signs – Temporary.....	9/10
<u>SECT V:</u>	<u>LANDSCAPING</u>	
V-101	Tree Planting Details All Types, Forms, and Species.....	5/15
V-102	Shrub Planting Details All Types, Forms, and Species.....	5/15
V-103	Irrigation System Details.....	2/86
V-104	2” and Smaller Meter/Backflow Assembly for Irrigation Systems.....	8/19
<u>SECT W:</u>	<u>ROADS AND PAVEMENT</u>	
W-101	Roadway Crowns.....	1/09
W-101A	Pavement Sections.....	2/18
W-102	Roadway Excavation – Payment Limits.....	4/12
W-103	Alley Section.....	4/12
W-104	Alley Return – Adjacent Sidewalk.....	4/12
W-105	Alley Return – Separated Sidewalk.....	4/12
W-106	Gutter Details for Catch Basin Type 2.....	4/04
W-107	Asphalt Concrete Thickened Edge.....	2/86
W-108	Asphalt Patches.....	4/12
W-108A	Asphalt Patches with Subgrade Failure.....	4/12
W-109	Concrete Patches.....	4/12

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
W-110	See Std. Plan A-4	
W-111	See Std. Plan A-5	
W-112	See Std. Plan A-6	
W-113	See Std. Plan A-7	
W-114	Cul-de-sacs – Public Streets and Alleys.....	5/07
W-115	Cul-de-sacs – Public and Private Streets.....	4/21

SECT Y: **WATER**

Y-101	Hydrant Setting – Standard.....	7/20
Y-101A	Hydrant Setting – Offsets.....	7/20
Y-102	2" Air Valve for Ductile Iron Pipe.....	4/22
Y-103	Drywell Blow-off – Interior 4" Gate Valve.....	4/21
Y-103A	Drywell Blow-off – Exterior 4" Gate Valve.....	4/21
Y-104	Manhole Blow-off – Interior 4" Gate Valve.....	4/21
Y-105	Pumper Style Blow-off – Interior 4" Gate Valve.....	4/21
Y-105A	Pumper Style Blow-off - Exterior 4" Gate Valve.....	4/21
Y-108	Typical Ductile Iron Pipe Clamp for Pipe Up to 12" Dia.....	2/86
Y-109	Cast Iron Valve Box.....	4/21
Y-110	See Std. Plan A-9	
Y-111	Typical 1-2" Water Service.....	4/21
Y-112	PVC Water Meter Box – Typical Installation.....	4/21
Y-112A	Concrete Water Meter Box – Typical Installation.....	4/21
Y-113	48" Meter Vault.....	4/21
Y-114	48" Precast Concrete Vault.....	4/21
Y-115	Water Service Vault – Minimum Dimensions.....	7/20
Y-116	Water Meter Vault – Small.....	4/21
Y-117	Water Meter Vault – Large.....	4/21
Y-118	Domestic/Fire Line, 4" – 10" Service – Double Check Valve Assembly.....	4/21
Y-119	Irrigation Service with DCVA, 3" – 6".....	4/21
Y-120	Domestic/Fire Line, 4" – 6", 8" or 10" – Service Reduced Pressure Assembly.....	4/21
Y-121	Above Ground Reduced Pressure Backflow Assembly 2" & Under.....	4/22

SECT Z: **SEWER**

Z-101	Manhole –48".....	5/21
Z-102	Manhole –54" & 60".....	5/21
Z-103	Manhole – 72".....	10/19
Z-104	Manhole – 96".....	10/19
Z-105	Manhole –48", Shallow.....	10/19
Z-106	Manhole –72", Shallow.....	10/19
Z-106A	Manhole –96", Shallow.....	10/19
Z-107	Type V Manhole.....	10/19
Z-108	Manhole – Reducing Slab, Reinforcement Details.....	4/04
Z-109	Manhole Step Details.....	4/12
Z-110	Manhole – Interior Channel Drop.....	5/07

TABLE OF CONTENTS

<u>Plan No.</u>	<u>Plan Title</u>	<u>Current Plan Date</u>
Z-111	Manhole – Interior D.I.P. Drop.....	10/19
Z-112	Manhole – Exterior D.I.P. Drop	10/19
Z-113	Manhole – Pipe Invert Elevations	4/04
Z-114	Sewer Cleanout	10/19
***Z-114A	Side Sewer Cleanout	4/23
Z-115	Side Sewer – Riser Connection	2/18
Z-116	Side Sewer – Typical Connection	1/17
Z-117	Manhole Channel Detail	2/19
Z-118	CB, DW & MH Base Slab and Foundation Details (<i>previously B-122</i>).....	12/98
Z-119	Lamphole Abandonment	3/22