

SECTION	STANDARD	NO.	DRAWING TITLE	DATE OF APPROVAL	REVISION
Intelligent Transportation System	Drawing	ITS-1	Typical ITS Corridor Layout	10/26/2011	Original
Intelligent Transportation System	Drawing	ITS-2	Typical ITS Intersection Layout w/HUB	10/26/2011	Original
Intelligent Transportation System	Drawing	ITS-3	IP Viewing Device	10/26/2011	Original
Intelligent Transportation System	Drawing	ITS-4	N48T Fiber Pull Box	10/26/2011	Original
Miscellaneous Facilities Standar	Drawing	M-1	Concrete Masonry Fence	7/29/2011	Original
Miscellaneous Facilities Standar	Drawing	M-1A	Block Fence w/Rolling Gate	7/29/2011	Original
Miscellaneous Facilities Standar	Drawing	M-2	Trash Bin Enclosure	2/6/2012	Original
Miscellaneous Facilities Standar	Drawing	M-3	Trash Enclosure Gate Details	1/3/2012	Original
Miscellaneous Facilities Standar	Drawing	M-4	Lot Line Grading Standard	7/29/2011	Original
Miscellaneous Facilities Standar	Drawing	M-5	Not Used	-	-
Miscellaneous Facilities Standar	Drawing	M-6	Parking Lot Standards	7/29/2011	Original
Miscellaneous Facilities Standar	Drawing	M-7	Not Used	-	-
Miscellaneous Facilities Standar	Drawing	M-8	Chain Link Fence	7/29/2011	Original
Miscellaneous Facilities Standar	Drawing	M-9	Chain Link Fence Gate Details	7/29/2011	Original
Park Standard	Drawing	P-1	Irrigation Trenching	7/29/2011	Original
Park Standard	Drawing	P-10	Electric Service and Controller	7/29/2011	Original
Park Standard	Drawing	P-11	3M DBY Wire Connector	7/29/2011	Original
Park Standard	Drawing	P-12	Sprinkler Installation	7/29/2011	Original
Park Standard	Drawing	P-13	Tree Planting – Non Turf Areas	7/29/2011	Original
Park Standard	Drawing	P-14	Tree Planting – Non Turf Areas w/Root Barrier	7/29/2011	Original
Park Standard	Drawing	P-15	Sidewalk Tree Well	7/29/2011	Original
Park Standard	Drawing	P-16	Shrub Planting	7/29/2011	Original
Park Standard	Drawing	P-17	Root Barrier, New Tree Planting	7/29/2011	Original
Park Standard	Drawing	P-18	Root Barrier, Sidewalk Replacement/Protection, Existing Tree	7/29/2011	Original
Park Standard	Drawing	P-19	Dedication Plaque & Pedestal	7/29/2011	Original
Park Standard	Drawing	P-2	Valve Box Location	7/29/2011	Original
Park Standard	Drawing	P-20	Trail Rest Stop	7/29/2011	Original
Park Standard	Drawing	P-21	Picnic Table and Bench Slabs	7/29/2011	Original
Park Standard	Drawing	P-22	Drinking Fountain	7/29/2011	Original
Park Standard	Drawing	P-23	Park Security Light	7/29/2011	Original
Park Standard	Drawing	P-3	Not Used	-	-
Park Standard	Drawing	P-4	Quick Coupling Valve	7/29/2011	Original
Park Standard	Drawing	P-5	Ball Valve	7/29/2011	Original
Park Standard	Drawing	P-6	Irrigation Radio Communications	10/25/2011	Original
Park Standard	Drawing	P-6A	Irrigation Radio Communications Detail	7/29/2011	Original
Park Standard	Drawing	P-7	Remote Control Valve	7/29/2011	Original
Park Standard	Drawing	P-8	Not Used	-	-
Park Standard	Drawing	P-9	Booster Pump Layout	7/29/2011	Original
Park Standard	Drawing	P-9A	Flanged Booster Pump	7/29/2011	Original
Recycled Water Standard	Drawing	RW-1	Recycled Water Piping W/Swivel Joint Connection	5/23/2012	Original
Recycled Water Standard	Drawing	RW-2	Recycled Water Valve Box	1/20/2010	Original
Recycled Water Standard	Drawing	RW-3	Recycled Water ID Sign	10/27/2015	1
Sewer Standard	Drawing	S-1	4" & 6" Sewer Service Laterals	6/29/2009	Original
Sewer Standard	Drawing	S-10	Installation of Carrier Pipe in Jacked Steel Casing	6/29/2009	Original
Sewer Standard	Drawing	S-11	Commercial & Industrial Grease Trap	6/29/2009	Original
Sewer Standard	Drawing	S-1A	Tapping Saddle Assembly	6/29/2009	Original
Sewer Standard	Drawing	S-2	48" Sewer Manhole	6/29/2009	Original
Sewer Standard	Drawing	S-3	60" Sewer Manhole	6/29/2009	Original
Sewer Standard	Drawing	S-4	Inside Drop Manhole	6/29/2009	Original
Sewer Standard	Drawing	S-4	Inside Drop Manhole	2/5/2014	1
Sewer Standard	Drawing	S-5	Sewer Manhole Frame and Cover	6/29/2009	Original
Sewer Standard	Drawing	S-6	Locking 24" Manhole Cover and Frame	6/29/2009	Original
Sewer Standard	Drawing	S-7	Sewer Lamphole	6/29/2009	Original
Sewer Standard	Drawing	S-8	Sewer and Water Mains Parallel Separation	1/20/2010	Original
Sewer Standard	Drawing	S-9	Sewer and Water Mains Perpendicular Separation	6/29/2009	Original
Storm Drain Standard	Drawing	SD-1	Temporary Drainage Inlet and Basin Outlet	6/29/2009	Original
Storm Drain Standard	Drawing	SD-1A	Temporary Inlet Frame and Grate	6/29/2009	Original
Storm Drain Standard	Drawing	SD-2	Temporary Drainage Basin	6/29/2009	Original
Storm Drain Standard	Drawing	SD-3	Residential Sidewalk Drain	6/29/2009	Original
Storm Drain Standard	Drawing	SD-4	Commercial Sidewalk Drain	2/5/2014	1
Storm Drain Standard	Drawing	SD-5	Lot Drainage Detail	6/29/2009	Original
Street Standard	Drawing	ST-1	Local Street Sections and Utility Locations	10/27/2015	1
Street Standard	Drawing	ST-10	Concrete Valley Gutter	6/29/2017	2

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Street Standard	Drawing	ST-11	Standard Curb Ramp Return	6/6/2012	Original
Street Standard	Drawing	ST-12	Corner Cutoff Computations	7/29/2011	Original
Street Standard	Drawing	ST-13	Temporary Timber Barricade	6/6/2012	Original
Street Standard	Drawing	ST-14	Median Transition Standard	7/29/2011	Original
Street Standard	Drawing	ST-15	Median Island Nose Marker & Sign	10/29/2013	1
Street Standard	Drawing	ST-15A	Street Sign Post Anchor	10/2/2012	1
Street Standard	Drawing	ST-16	Existing Curb Removal for New Approaches	7/29/2011	Original
Street Standard	Drawing	ST-17	Intersection Bike Lane Striping	6/15/2015	1
Street Standard	Drawing	ST-18	Intersection Striping at Non-Signalized Intersections	7/29/2011	Original
Street Standard	Drawing	ST-19	Street Name & Stop Sign Installation	7/29/2011	1
Street Standard	Drawing	ST-2	Two Lane Collector & Industrial Street Sections and Utility Local	10/27/2015	1
Street Standard	Drawing	ST-20	Trench Backfill and Resurfacing	7/29/2011	1
Street Standard	Drawing	ST-21	Utility Pothole Backfill	7/29/2011	Original
Street Standard	Drawing	ST-22	Geometrics, 4 Lane Collector	7/29/2011	Original
Street Standard	Drawing	ST-22A	Geometrics, Collector w/2-Way Left Turn Lane	7/29/2011	Original
Street Standard	Drawing	ST-23	Median Island Intersection Left Turn Pockets	7/29/2011	Original
Street Standard	Drawing	ST-24	Median Island Mid-Block Turn Pocket	7/9/2014	1
Street Standard	Drawing	ST-25	Median Island Curb Details (New AC)	6/29/2017	3
Street Standard	Drawing	ST-25A	Median Island Curb Details (Existing AC)	6/29/2017	3
Street Standard	Drawing	ST-26	Frontage Road Bulb Design	6/15/2015	2
Street Standard	Drawing	ST-27	Residential Street Knuckle and Cul-de-sac Design	7/29/2011	Original
Street Standard	Drawing	ST-28	Mid-Block Pedestrian Crossing	7/29/2011	Original
Street Standard	Drawing	ST-29	Bus Stop	1/3/2012	Original
Street Standard	Drawing	ST-29A	Bus Stop	7/29/2011	Original
Street Standard	Drawing	ST-3	Four Lane Major Street Sections and Utility Locations	10/27/2015	1
Street Standard	Drawing	ST-30	Not Used	-	-
Street Standard	Drawing	ST-31	Standard Corner Radii Configuration	6/15/2015	1
Street Standard	Drawing	ST-32	Horizontal Control Monument Detail	7/29/2011	Original
Street Standard	Drawing	ST-33	Street Light Locations	10/14/2016	2
Street Standard	Drawing	ST-34	Not Used	-	-
Street Standard	Drawing	ST-35	Bus Bays	7/29/2011	Original
Street Standard	Drawing	ST-4	Alley	1/3/2012	Original
Street Standard	Drawing	ST-5	Concrete Curb & Gutter and Sidewalks	6/29/2017	1
Street Standard	Drawing	ST-6	Driveway Approach - 7' Curb Pattern	6/29/2017	2
Street Standard	Drawing	ST-7	Driveway Approach - 8' Curb Pattern	6/6/2012	Original
Street Standard	Drawing	ST-8	Driveway Approach - 10' Curb Pattern	6/6/2012	Original
Street Standard	Drawing	ST-8A	Driveway Approach – Alt. 10' Curb Pattern	1/17/2013	1
Street Standard	Drawing	ST-9	Driveway Approach - 12' Curb Pattern	1/17/2013	1
Traffic Signal Standard	Drawing	TS-1	Signal Head Locations, 2 Thru Lanes	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-1A	Signal Head Locations, 1 Thru & Separate Left Turn Lane	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-1B	Signal Head Locations, 2 Thru W/1 Unprotected Left Turn	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-1C	Signal Head Locations, 2 Thru W/1 Protected Left Lane	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-1D	Signal Head Locations, 3 Thru W/1 Protected Left Lane	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-1E	Signal Head Locations, 2 Thru W/2 Protected Left Lanes	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-1F	Signal Head Locations, 3 Thru W/2 Protected Left Lanes	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-2	Loop Detector Placement	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-2A	PVC Loop Installation Detail	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-3	MAG Detector Probe Connections, Single Approach Lane	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-3A	MAG Detector Probe Connections, Single Approach Lane W/ 2	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-3B	MAG Detector Probe Connections, 2 Approach Lanes	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-3C	MAG Detector Probe Connections, 3 Approach Lanes	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-4	Vehicle Signal Terminal Locations	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-4A	Pedestrian Signal Terminal Locations	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-5	Service Pedestal Schematic	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-6	Opticom Detector Assembly	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-6A	Opticom Dual & Triple Mounting Fixtures	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-6B	Opticom Misc. Mounting Fixtures	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-6C	Opticom 138 Cable	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-6D	Opticom Detector Assignments	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-6E	Opticom Wiring Modifications Terminal Block Controller	7/29/2011	Original
Traffic Signal Standard	Drawing	TS-7	Traffic Signal Installation	1/3/2012	Original
Traffic Signal Standard	Drawing	TS-7A	Traffic Signal Installation, Dual Ramp Design	7/29/2011	Original
Water Standard	Drawing	W-1	Water Valve	1/20/2010	Original

SECTION	STANDARD	NO.	DRAWING TITLE	DATE OF APPROVAL	REVISION
Water Standard	Drawing	W-10	3" Turbo Water Service	3/22/2016	1
Water Standard	Drawing	W-11	4" Turbo Water Service	3/22/2016	1
Water Standard	Drawing	W-12	6" Turbo Water Service	3/22/2016	1
Water Standard	Drawing	W-13	Blow-Off Valve Installation	4/30/2012	Original
Water Standard	Drawing	W-14	Water Sampling Station	1/20/2010	Original
Water Standard	Drawing	W-15	Concrete Thrust Blocks	6/29/2009	Original
Water Standard	Drawing	W-16	Water Well Abandonment	1/17/2013	1
Water Standard	Drawing	W-17	Typical Municipal Water Well Design	1/20/2010	Original
Water Standard	Drawing	W-18	City Backflow Prevention Device	7/29/2011	Original
Water Standard	Drawing	W-19	Private Backflow Prevention Device	7/29/2011	Original
Water Standard	Drawing	W-2	Residential Fire Hydrant	1/20/2010	Original
Water Standard	Drawing	W-2	Residential Fire Hydrant	1/17/2013	Original
Water Standard	Drawing	W-20	Temporary Backflow Device Protection for New Water Main Cor	6/18/2014	Original
Water Standard	Drawing	W-21	Anti-Siphon Hose Bibb Vacuum Breaker for Temporary Hose Cc	7/9/2014	Original
Water Standard	Drawing	W-22	Portable Water Tank Fire Hydrant Regulations	9/30/2014	Original
Water Standard	Drawing	W-2A	Commercial Fire Hydrant	1/17/2013	1
Water Standard	Drawing	W-3	Fire Hydrant Protection Posts	1/20/2010	Original
Water Standard	Drawing	W-4	Fire Service Line Installation	1/20/2010	Original
Water Standard	Drawing	W-5	1" Water Service	7/5/2017	2
Water Standard	Drawing	W-5A	Adjacent Meter Box Placement	9/21/2009	Original
Water Standard	Drawing	W-6	1½" or 2" Water Service	6/2/2017	1
Water Standard	Drawing	W-6A	Blow-up View, 1½" or 2" Water Service	6/2/2017	1
Water Standard	Drawing	W-6B	1" & 2" Commercial Manifold Water Service Layout	1/20/2010	Original
Water Standard	Drawing	W-7	3" Compound Water Service	3/22/2016	1
Water Standard	Drawing	W-8	4" Compound Water Service	3/22/2016	1
Water Standard	Drawing	W-9	6" Compound Water Service	3/22/2016	1
Earthwork	Specification	P.100	Unsuitable Material	10/4/2012	-
Earthwork	Specification	P.102	Subgrade Preparation, Compaction	10/4/2012	-
Traffic Striping	Specification	P.238	Sign Mounting Hardware	10/4/2012	-
Traffic Striping	Specification	P.238	Application Equipment	10/4/2012	-
Legal Relations and Responsibil	Specification	P.44	[Subject of changes]	7/23/2015	-
Removing Existing Facilities	Specification	P.83	[Subject of changes]	1/17/2013	-