



STANDARD DETAILS

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CITY OF LIVERMORE

STANDARD DETAILS

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LANDSCAPE AND IRRIGATION - L

L-1	MEDIAN PAVING
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L-3	STREET TREE PLANTING
L-4	SHRUB PLANTING
L-5	GROUND COVER SPACING
L-6	ROTOR OR SPRAY HEAD
L-7	TREE BUBBLER
L-8	DRIP EMITTER
L-9	REMOTE CONTROL VALVE; MASTER CONTROL VALVE
L-10	BALL VALVE
L-11	QUICK COUPLING VALVE
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SANITARY SEWER AND STORM DRAIN - S

S-1A	MAINTENANCE HOLE FRAME AND COVER ADJUSTMENT
S-1B	UTILITY FRAME AND COVER ADJUSTMENT
S-2	TYPE I MAINTENANCE HOLE, 8" TO 33" DIAMETER PIPES
S-3	TYPE II MAINTENANCE HOLE, 36" TO 60" DIAMETER PIPES
S-4	UNIMPROVED AREA UTILITY CONSTRUCTION
S-5	SANITARY SEWER LATERAL
S-6	SANITARY SEWER CROSSING REPLACEMENT
S-7	STORM WATER CURB INLET, TYPE I, 12" TO 30" DIAMETER PIPES
S-8	STORM WATER CURB INLET, TYPE II, 33" TO 60" DIAMETER PIPES
S-9	STORM WATER FIELD DROP INLET, UNIMPROVED/LANDSCAPE AREAS; AND FUTURE STREET AREA
S-10	STORM DRAIN LATERAL CONNECTION TO EXISTING REINFORCED CONCRETE PIPE STORM DRAIN MAIN
S-11	SEWAGE SAMPLING STATION
S-12	STORM WATER DROP INLET

STREETS - ST

ST-1	CUL-DE-SAC, CURB RETURNS, AND ELBOWS; HAMMERHEADS AND TEMPORARY TURNAROUND
ST-2	STREET WIDTHS; PARTIAL STREET SECTION
ST-3	MONOLITHIC SIDEWALK (RESIDENTIAL/INDUSTRIAL)
ST-4	SEPARATED SIDEWALK AND DRIVEWAY (RESIDENTIAL)
ST-5	SIDEWALK (COMMERCIAL/INDUSTRIAL)
ST-6	DRIVEWAY (STREET-LEVEL)
ST-7	DRIVEWAY (RESIDENTIAL)
ST-8	DRIVEWAY (COMMERCIAL/INDUSTRIAL)
ST-9	CURB & GUTTER, MEDIAN CURB
ST-10	TEXTURED CONCRETE PAVING
ST-11	STREET SECTION
ST-12	UTILITY LOCATIONS
ST-13	MONUMENT
ST-14	STANDARD STREET LIGHT; DECORATIVE STREET LIGHT
ST-15	BUS TURNOUT
ST-16	VALLEY GUTTER
ST-17	ROADSIDE SIGN/POST INSTALLATION
ST-18	STREET NAME SIGN AND W14-2a SPECIAL SIGN
ST-19	NUMBER NOT USED
ST-20	PRIVATE PROPERTY/CITY OFF-STREET SIGNS
ST-21	BARRICADES
ST-22	MEDIAN CONSTRUCTION
ST-23	REMOVABLE BOLLARD
ST-24	MAIL BOX INSTALLATION
ST-25	PAVEMENT WIDENING, CONNECTIONS; OVERLAY
ST-26	CROSSWALK/STOP BAR INSTALLATION
ST-27	BIKE LANES
ST-28	SIDEWALK DRAIN (RESTORATION OF EXISTING FACILITIES)
ST-29	CHAIN LINK FENCE
ST-30	PEDESTRIAN WALKWAY
ST-31	SIDEWALK REPAIR
ST-32	SIDEWALK GRINDING REPAIR
ST-33	SIDEWALK REPAIR CRITERION
ST-34	SPEED LUMPS
ST-35	SPEED TABLE CROSSWALK

WATER - W

W-1	FIRE HYDRANT AND LATERAL; FIRE HYDRANT MARKER
W-2	WATER SERVICE CONNECTION, 1", 1-1/2", AND 2"
W-3	THRUST/ANCHOR BLOCK
W-4	AIR RELEASE/BLOW-OFF
W-5	DEAD END BLOW-OFF; IN-LINE BLOW-OFF; LOW POINT BLOW-OFF (FOR PIPES LARGER THAN 12")
W-6	AIR RELEASE VALVE
W-7	WATER MAIN TEMPORARY JUMPER CONNECTIONS
W-8	TAPPING SLEEVE AND VALVE, 4" SERVICE AND LARGER (ACP, PVC & DIP)
W-9	TAPPING OUTLET AND VALVE, 4" SERVICE AND LARGER (MLCSP)
W-10	INDUSTRIAL/COMMERCIAL FIRE SERVICE, CLASS 1 AND 2, 2" AND LARGER; INDUSTRIAL/COMMERCIAL FIRE SERVICE, CLASS 3, 4, 5, AND 6 INDUSTRIAL/COMMERCIAL FIRE SERVICE, NOTES RESIDENTIAL/MULTI-FAMILY FIRE SERVICE, 1 1/2" SERVICE – 6" SERVICE MULTI-FAMILY BUILDING CAMPUS WITH FIRE SERVICE OPTION 1 MULTI-FAMILY BUILDING FIRE SERVICE OPTION 2A MULTI-FAMILY BUILDING FIRE SERVICE OPTION 2B MULTI-FAMILY BUILDING FIRE SERVICE OPTION 3 RESIDENTIAL/MULTI-FAMILY FIRE SERVICE OPTION 4 RESIDENTIAL/MULTI-FAMILY FIRE SERVICE NOTES
W-11	TURBINE METER, 3" AND LARGER
W-12	FIRE HYDRANT GUARD POST
W-13	INSULATING FLANGE
W-14	WATER LINE OFFSET
W-15	BURIED VALVE
W-16	COMMERCIAL/INDUSTRIAL JOINT DOMESTIC/FIRE SERVICE RESIDENTIAL/MULTI-FAMILY JOINT DOMESTIC/FIRE SERVICE
W-17	MANIFOLD WATER METER INSTALLATION
W-18	PRESSURE REDUCING STATION
W-19	(NUMBER NOT USED, FUTURE ANODE DETAIL)
W-20	(NUMBER NOT USED, FUTURE ELECTROLYSIS TESTING STATION DETAIL)
W-21	(NUMBER NOT USED, FUTURE CADWELD DETAIL)
W-22	REDUCED PRESSURE BACKFLOW PREVENTER
W-23	BONDING JUMPER
W-24	WATER TANK HOOK-UP
W-25	WATER QUALITY SAMPLING STATION
W-26	WATER LINE ANGLE MARKER
W-27	STEEL CASINGS FOR MAINS