

TABLE OF CONTENTS

DRAWING NO.	TITLE	SHEET NO.
RECOMMENDATIONS/APPROVALS		i
TABLE OF CONTENTS		A
NOTE: WATER UTILITY MATERIALS		G
STANDARD PLAN FOR DUCTILE IRON PIPE MAIN INSTALLATION		1
CDD-LP-001A	POTABLE/RECYCLED WATER NEW MAIN INSTALLATION STANDARD CONFIGURATION (1/2).....	1
CDD-LP-001B	POTABLE/RECYCLED WATER NEW MAIN INSTALLATION STANDARD CONFIGURATION (2/2).....	2
CDD-LP-002	POTABLE & RECYCLED WATER PIPE TRENCH	3
CDD-LP-003	AIR VALVES & BLOW OFFS.....	4
CDD-LP-004A	FIRE HYDRANT.....	5
CDD-LP-004B	SFFD DOME FOR LOW PRESSURE FIRE HYDRANT	6
CDD-LP-005	4" & 6" FLUSHING ASSEMBLY.....	7
CDD-LP-006	POSITIVE PIPE RESTRAINT IN ADDITION TO RESTRAINT GASKETS.....	8
CDD-LP-008	INSTALLATION OF PIPE END FOR SFWD CONNECTION	9
NEW BYPASS TO EXISTING PIPE CONNECTION		10
CDD-LP-101	FOR NEW 8" PIPE TO EXISTING 6" OR 8" PIPE.....	10
CDD-LP-102	FOR NEW 12" OR 16" PIPE TO EXISTING 6" OR 8" PIPE	11
CDD-LP-103	FOR NEW 6" OR 8" PIPE TO EXISTING 12" OR 6" PIPE	12
CDD-LP-104	FOR NEW 12" OR 16" PIPE TO EXISTING 12" PIPE	13
CDD-LP-105	FOR NEW 12" PIPE TO EXISTING 16" PIPE	14
CDD-LP-106	FOR NEW 16" PIPE TO EXISTING 16" PIPE	15
NEW BYPASS TAP TO EXISTING PIPE		16
CDD-LP-107	FOR NEW 8" PIPE TO EXISTING 12" OR 16" PIPE	16
CDD-LP-108	FOR NEW 12" PIPE TO EXISTING 16" PIPE	17
NEW BYPASS TO NEW PIPE CONNECTION		18

DRAWING NO.	TITLE	SHEET NO.
CDD-LP-109	FOR NEW 8" PIPE TO NEW 8" PIPE	18
CDD-LP-110	FOR NEW 12" OR 16" PIPE TO NEW 8" PIPE.....	19
CDD-LP-111	FOR NEW 12" OR 16" PIPE TO NEW 12" PIPE	20
CDD-LP-112	FOR NEW 16" PIPE TO NEW 16" PIPE.....	21
NEW PARALLEL MAIN CONNECTION		22
CDD-LP-113	FOR NEW 4", 6" OR 8" PIPE TO EXISTING 4", 6" OR 8" PIPE.....	22
CDD-LP-114	FOR NEW 6" OR 8" PIPE REDUCING TO EXISTING 4" OR 6" PIPE.....	23
CDD-LP-115	FOR NEW 12" OR 16" PIPE REDUCING TO EXISTING 4", 6", 8" OR 12" PIPE.....	24
CDD-LP-116	FOR NEW 12" OR 16" PIPE TO EXISTING 12" OR 16" PIPE	25
NEW LATERAL MAIN CONNECTION		26
CDD-LP-117	FOR NEW 4", 6" OR 8" BRANCH TO NEW 4", 6" OR 8" MAIN	26
CDD-LP-118	FOR NEW 4", 6", 8" OR 12" BRANCH TO NEW 12" MAIN	27
CDD-LP-119	FOR NEW 6", 8" 12" OR 16" BRANCH TO NEW 16" MAIN	28
NEW LATERAL BRANCH TO EXISTING MAIN CONNECTION		29
CDD-LP-120	FOR NEW 4", 6" OR 8" BRANCH TO EXISTING 4", 6" OR 8" MAIN.....	29
CDD-LP-121	FOR NEW 4", 6", 8" OR 12" BRANCH TO NEW 12" MAIN	30
CDD-LP-122	FOR NEW 6", 8", 12" OR 16" BRANCH TO EXISTING 16" MAIN.....	31
NEW LATERAL BRANCH TAP TO EXISTING MAIN CONNECTION		32
CDD-LP-123	FOR NEW 4", 6" OR 8" TAP TO EXISTING 6", 8" OR 12" MAIN	32
CDD-LP-124	FOR NEW 6", 8" OR 12" TAP TO EXISTING MAIN	33
NEW LATERAL MAIN CONNECTION TO EXISTING BRANCH		34
CDD-LP-125	FOR NEW 4", 6" OR 8" MAIN TO 4", 6" OR 8" EXISTING BRANCH.....	34
CDD-LP-126	FOR NEW 12" MAIN TO EXISTING 4", 6" OR 8" BRANCH	35
CDD-LP-127	FOR NEW 16" MAIN TO EXISTING 6" OR 8" BRANCH	36
CDD-LP-128	FOR NEW 12" OR 16" MAIN TO EXISTING 12" BRANCH	37
CDD-LP-129	FOR NEW 16" MAIN TO EXISTING 16" BRANCH.....	38
NEW HYDRANT CONECTION		39
CDD-LP-130	FOR 6" OR 8" PIPE.....	39
CDD-LP-131	FOR 12" OR 16" PIPE	40
WATER SERVICES		41

DRAWING NO. TITLE SHEET NO.

CDD-LP-200A	NEW WATER SERVICE DRAWING DIRECTORY	41
CDD-LP-200B	EXCAVATION, PERMITTING AND INSTALLATION RESPONSIBILITIES FOR 5/8- THRU 2- INCH WATER SERVICES.....	42
CDD-LP-200C	EXCAVATION, PERMITTING AND INSTALLATION RESPONSIBILITIES FOR 3- THRU 8- INCH WATER SERVICES.....	43
CDD-LP-201A	MATERIALS FOR 1" SERVICE CONNECTIONS	44
CDD-LP-201B	1-INCH SERVICE LATERAL CONNECTION AT MAIN	45
CDD-LP-201C	1-INCH SERVICE LATERAL CONNECTION AT METER	46
CDD-LP-201D	MATERIALS FOR 1-INCH PEXA SERVICE CONNECTIONS.....	47
CDD-LP-201E	1-INCH PEXA SERVICE LATERAL CONNECTION AT MAIN	48
CDD-LP-201F	1-INCH PEXA SERVICE LATERAL CONNECTION AT METER	49
CDD-LP-202A	MATERIALS FOR 2" SERVICE CONNECTIONS	50
CDD-LP-202B	2-INCH SERVICE LATERAL CONNECTION AT MAIN	51
CDD-LP-202C	2-INCH SERVICE LATERAL CONNECTION AT METER (DOMESTIC AND COMBINATION SERVICE)	52
CDD-LP-202D	2-INCH SERVICE LATERAL CONNECTION AT CURB (DEDICATED FIRE SERVICE).....	53
CDD-LP-202E	MATERIALS FOR 2-INCH PEXA SERVICE CONNECTIONS.....	54
CDD-LP-202F	2-INCH PEXA SERVICE LATERAL CONNECTION AT MAIN	55
CDD-LP-202G	2-INCH PEXA SERVICE LATERAL CONNECTION AT METER (DOMESTIC AND COMBINATION SERVICE).....	56
CDD-LP-203A	HOT TAP FOR SERVICE (\geq 4" DIA.) CONNECTION AT MAIN	57
CDD-LP-203B	DROP IN TEE FOR SERVICE (\geq 4" DIA.) CONNECTION AT MAIN.....	58
CDD-LP-203C	REDUNDANT ISOLATED FIRE SERVICE (\geq 6" DIA.) CONNECTION AT MAIN	59
CDD-LP-203D	3-INCH COMPOUND METER ASSEMBLY (STANDARD INSTALLATION)...60	
CDD-LP-203D-SP	3-INCH COMPOUND SPOOL PIECE ASSEMBLY	61
CDD-LP-203E	4-INCH COMPOUND METER ASSEMBLY (STANDARD INSTALLATION)...62	
CDD-LP-203E-SP	4-INCH COMPOUND SPOOL PIECE ASSEMBLY	63
CDD-LP-203F	6-INCH COMPOUND METER ASSEMBLY (STANDARD INSTALLATION)...64	
CDD-LP-203F-SP	6-INCH COMPOUND SPOOL PIECE ASSEMBLY	65
CDD-LP-203G	CUSTOMER POINT OF CONNECTION FOR FIRE SERVICE (\geq 4" DIA.).....66	

DRAWING NO. TITLE SHEET NO.

CDD-LP-220A	SFPUC NEW METER INSTALLATIONS ON PRIVATE PROPERTY - NOTES	67
CDD-LP-220B	SFPUC NEW METER INSTALLATIONS ON PRIVATE PROPERTY - DWG ...	68
CDD-LP-221-CA	TYPICAL METER MANIFOLD REPLACEMENT IN SUB-SIDEWALK BASEMENT FOR CAPITAL WATER MAIN REPLACEMENT PROJECT	69
CDD-LP-204	10"X18" RPM OVAL METER BOX COVER.....	70
CDD-LP-205	10"X16" POLYMER CONCRETE OVAL METER BOX COVER.....	71
CDD-LP-206	7"X13" POLYMER CONCRETE METER BOX READ LID.....	72
CDD-LP-207	9"X14" POLYMER CONCRETE METER BOX READ LID.....	73
CDD-LP-208	10"X15" POLYMER CONCRETE METER BOX COVER.....	74
CDD-LP-209	10"X15" POLYMER CONCRETE METER BOX COVER 9X.....	75
CDD-LP-210	17"X30" POLYMER CONCRETE METER BOX COVER WITH 7"X13" READ LID OPENING.....	76
CDD-LP-211	13"X24" POLYMER CONCRETE METER BOX COVER WITH 7"X13" READ LID OPENING.....	77
CDD-LP-212	17"X30"X12" METER BOX.....	78
CDD-LP-213	10"X15"X12" METER BOX.....	79
CDD-LP-214	36"X60"X30" METER VAULT W/TORSION ASSISTED COVER.....	80
CDD-LP-215	48"X72"X30" VAULT W/TORSION ASSISTED COVER.....	81
CDD-LP-216	48"X96"X30" VAULT W/TORSION ASSISTED COVER.....	82
CDD-LP-217	30"X48"X24" TORSION ASSIST VAULT.....	83
VALVE BOXES AND COVERS		84
CDD-LP-250	STANDARD POTABLE WATER VALVE BOX INSTALLATION.....	84
CDD-LP-251	STANDARD SFWD POTABLE WATER GATE COVER	85
CDD-LP-252	STANDARD SFWD RECYCLED WATER GATE COVER.....	86
CDD-LP-253A	ADJUSTMENT OF STANDARD POTABLE GATE COVER TO NEW PAVEMENT GRADE ($\leq 4"$)	87
CDD-LP-253B	ADJUSTMENT OF STANDARD POTABLE GATE COVER TO NEW PAVEMENT GRADE ($> 4"$)	88
CDD-LP-254	ADJUSTMENT OF POTABLE VALVE BOXES AND COVERS ON WATER LATERALS TO SIDEWALK GRADE.....	89
CDD-LP-255	STANDARD 4-INCH AIR VALVE ENCLOSURE	90
CDD-LP-256	STANDARD 8-INCH AIR VALVE ENCLOSURE	91

DRAWING NO. TITLE SHEET NO.

CDD-LP-257	ADJUSTMENT OF METER BOXES TO NEW SIDEWALK GRADE AT CURB RAMPS	92
MISCELLANEOUS		93
CDD-LP-301	LUGS AND TIE RODS.....	93
CDD-LP-302	PLAIN & BELL BANDS / PLATE WASHERS & TIE BOLTS	94
CDD-LP-303	RUBBER GASKET JOINT BELL.....	95
CDD-LPHP-304	MINIMUM CLEARANCE BETWEEN TIEBACKS AND CDD FACILITIES.....	96
CDD-HP-401	AWSS MONITORING POINT FOR BELL AND SPIGOT PIPE (HPL-5993)..	97
CDD-HP-402	AWSS MONITORING POINT FOR DOUBLE SPIGOT PIPE (HPL-5993.1).	98
CDD-LP-501	TYPICAL METHOD FOR MEASURING, RECORDING AND IDENTIFYING MAINS, SERVICES, GATE VALVES AND ALL APPURTENANCES	99
CDD-LP-502	MINIMUM INFORMATION REQUIRED FOR DOMESTIC AND RECYCLED WATER AS-BUILT DRAWINGS	100
CDD-LPHP-503	MINIMUM OPERATING DIMENSIONS FOR SFWD GATE TRUCKS	101
CDD-LP-504A	SHORING SUPPORT FOR MAIN CONNECTION <5' DEEP (PLAN).....	102
CDD-LP-504B	SHORING SUPPORT FOR MAIN CONNECTION <5' DEEP (SECTION)...	103