

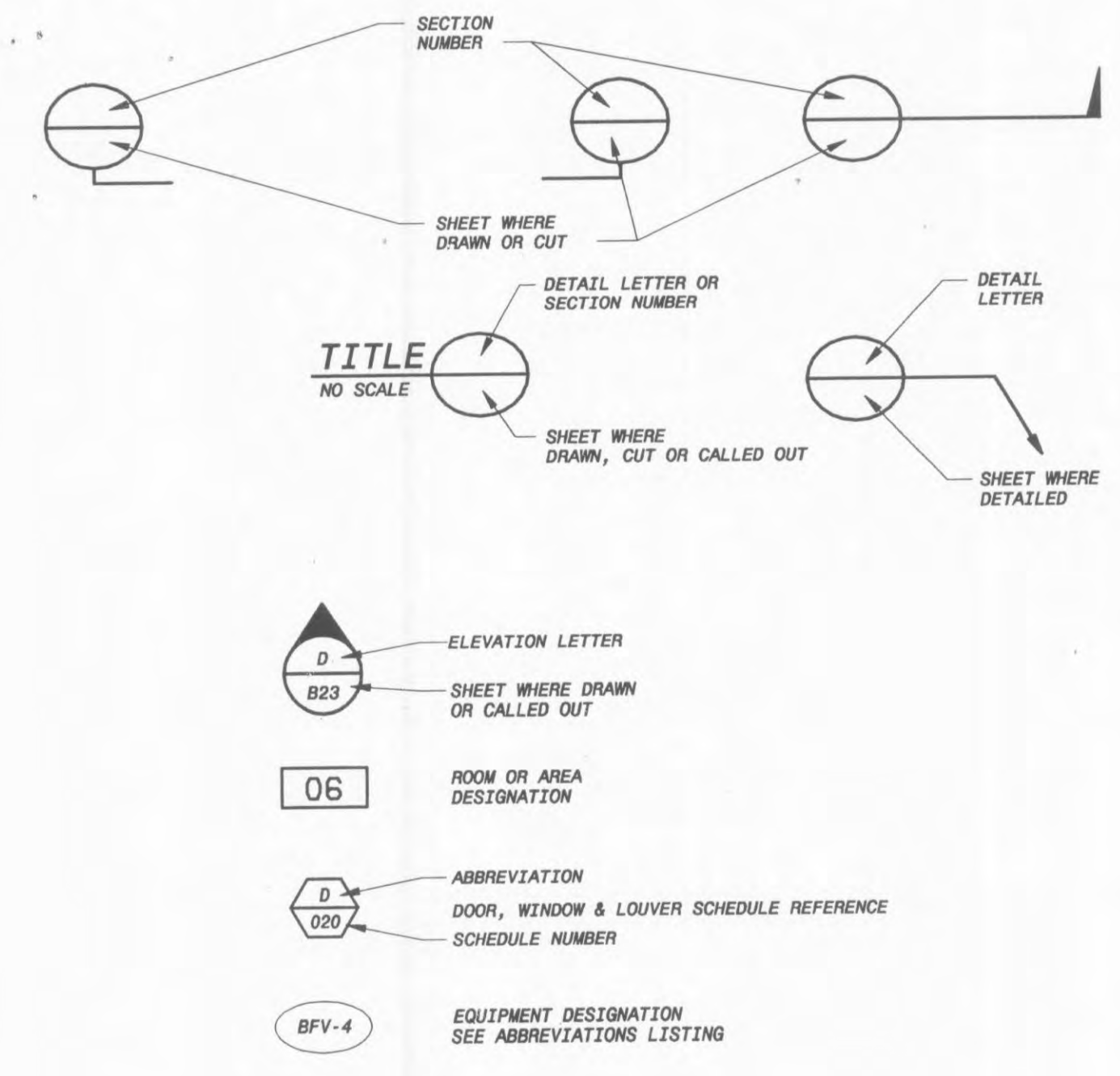
### ABBREVIATIONS

A	AMBER	F TO F	FACE TO FACE	P	LABORATORY PURIFIER CABINET
AB	ANCHOR BOLT, FREEZE PROTECTION BLOWER	FB	FACE BRICK	PC	POINT OF CURVE
AC	AIR COMPRESSOR	FC	FLEXIBLE CONNECTION, FLOW CONTROL	PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
A/C	AIR CONDITIONER, (ING)	FCA	FLANGED COUPLING ADAPTER	PE	PLAIN END
ACST	ACOUSTIC, (AL)	FD	FLOOR DRAIN	PI	POINT OF INTERSECTION
AD	ACCESS DOOR, AREA DRAIN	FDW	FOUNDATION	PIHC	POINT OF INTERSECTION ON HORIZONTAL CURVE
ADM	ADHESIVE	FE	FIRE EXTINGUISHER	PIVC	POINT OF INTERSECTION ON VERTICAL CURVE
ADJ	ADJUSTABLE, ADJACENT	FH	FLAT HEAD, FIRE HYDRANT	PL	PLATE
ADMIN	ADMINISTRATION	FHMS	FLAT HEAD MACHINE SCREW	PLCS	PLACES
AF	AIR FLOW	FIN	FINISH	POT	POINT ON TANGENT
AFB	ABOVE FINISH FLOOR	FIN GR	FINISH GRADE	PP	POWER POLE
AH	AIR HANDLING UNIT	FL	FLOOR, FLOW LINE, FLOCCULATOR	PR	PAIR
AL	ACTIVE LEAF	FLEX	FLEXIBLE	PROJ	PROJECTION
ALT	ALTERMATE, (IVE)	FLG	FLANGE	PRV	POWER ROOF VENTILATOR, PRESSURE REDUCING VALVE
ALUM	ALUMINUM	FLR	FLOOR	RS	ROOF DRAIN, ROAD
APPROX	APPROXIMATE, (LY)	FRR	FIBERGLASS REINFORCED PLASTIC	RSP	ROOF DRAIN LEADER
AR	ALARM RELAY	FS	FAR SIDE, FLOOR SLEEVE, FLOAT SWITCH	RED	REDUCER, REDUCING
ARCH	ARCHITECTURAL	FT	FOOT	REG	REGULATOR, REGULATING
ASSY	ASSEMBLY	FTG	FOOTING	REF	REFERENCE
AUTO	AUTOMATIC	FURN	FURNISH, FURNISHED	REINF	REINFORCING
AUX	AUXILIARY	GA	GAUGE	REQD	REQUIRED
AV	AIR RELEASE VALVE	GAL	GALVANEZ	RET	RETURN
AVTR	CHEMICAL RESISTANT VENT THROUGH ROOF	GALV	GALVANIZED	REV	REVISION, REVISED, REVERSED
AW	AIR WASH BLOWER	GLV	GLOBE VALVE	RFG	ROOFING
AWG	AMERICAN WIRE GAGE	GPM	GALLONS PER MINUTE	RH	ROOF HOOD, RIGHT HAND, ROUND HEAD, RED HEAD
B TO B	BACK TO BACK	GR	GRADE	RHL	ROUND HEAD MACHINE SCREW
BA	BEARING AREA	GV	GATE VALVE	RHS	ROUND HEAD WOOD SCREW
BAW	BUTTERFLY AIR WASH SUPPLY	GYP	GYPSONUM	RJ	RESTRAINED JOINT
BBL	BUTTERFLY AIR WASH BLOWER	H	HIGH	RM	RAPID MIX
BC	BEGIN CURVE, BRIDGE CRANE	HB	HOSE BIBB	RO	ROUGH OPENING
BD	BROAD	HC	HOLLOW CORE	ROU	RO WATER UNIT
BDH	BUTTERFLY HIGH SERVICE PUMP DISCHARGE HEADER	HDR	HEADER	RP	RECYCLE PUMP
BF	BLIND FLANGE	HEX	HEXAGONAL	RR	RAILROAD
BFE	BUTTERFLY FILTER EFFLUENT	HF	HOSE FAUCET	RSD	ROLLING STEEL DOOR
BFF	BUTTERFLY FILTER EFFLUENT FLUME	HMC	HARNESSED MECHANICAL COUPLING	RT	RIGHT
BFI	BUTTERFLY FILTER INFLUENT	HMJ	HARNESSED MECHANICAL JOINT	RV	REGULATING VALVE
BFT	BUTTERFLY FILTER TANK	HORIZ	HORIZONTAL	R/W	RIGHT OF WAY
BHSC	BUTTERFLY HIGH SERVICE PUMP CONTROL	HP	HIGH POINT, HORSEPOWER	RWP	RAW WATER PUMP
BHSI	BUTTERFLY HIGH SERVICE PUMP ISOLATION	HR	HOUR, HANDRAIL	S	SOUTH, SPEAKER
BHM	BUTTERFLY HIGH SERVICE PUMP ISOLATION	HS	HEAT PUMP, HIGH SERVICE PUMP	SAW SWR	SANITARY SEWER
BTM	BOTTOM	HSPS	HIGH SERVICE PUMPING STATION	SCHED	SCHEDULE
BU	BELL-UP	HV	HOSE VALVE	SEC	SECOND
BUR	BUILT UP ROOFING	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	SECT	SECTION
BV	BALL VALVE	HW	HOT WATER	SG	SLUICE GATE, SUPPLY GRILLE
BVC	BEGIN VERTICAL CURVE	HWY	HIGHWAY	SH	SHEET
BWD	BUTTERFLY WASH WATER DRAIN	ID	INSIDE DIAMETER	SHM	SIMILAR
BWT	BUTTERFLY WASH WATER SUPPLY INTERCONNECT	IF	INSIDE FACE	SM	SHEET METAL
BWP	BUTTERFLY WASH WATER SUPPLY PUMP CONTROL	IN	INCHES	SP	SAMPLE PUMP
BWP1	BUTTERFLY WASH WATER SUPPLY PUMP ISOLATION	INC	INCORPORATED	SPA	SPACING, SPACES
BWR	BUTTERFLY WASH WATER RECOVERY BASIN	INCR	INCREASE	SPEC(S)	SPECIFICATION(S)
BWS	BUTTERFLY WASH WATER RECOVERY	INT	INTERIOR, INTERNAL	SQ	SQUARE
BWW	BUTTERFLY WASH WATER SUPPLY CONTROL VALVE	INV	INVERT	SS	STAINLESS STEEL
CB	CATCH BASIN	IPS	IRON PIPE SIZE, INCHES PER SECOND	SSK	SERVICE SINK
C TO C	CENTER TO CENTER	JB	JUNCTION BOX	ST SWR	STORM SEWER
CDC	CARBON DUST COLLECTOR	JF	JOINT FILLER	STA	STATION
CFM	CUBIC FEET PER MINUTE	JT	JOINT	STD	STANDARD
CHKD	CHECKERED	KO	KNOCK OUT	STL	STEEL
CHKD PL	CHECKERED PLATE	KS	KITCHEN SINK	STOR	STORAGE
CI	CAST IRON	KV	KILOVOLT	STR	STRUCTURAL
CIIMH	CAST IRON MANHOLE	KVA	KILOVOLT AMPERE	SV	SHUTOFF VALVE
CIP	CAST IRON PIPE	LAB	LABORATORY	SW	SERVICE WATER
CISP	CAST IRON SOIL PIPE	LAM	LAMINATE(D)	SYM	SYMMETRICAL
CJT	CONTROL JOINT	LAV	LAVATORY	SYS	SYSTEM
CLR	CLEAR, (ANCE)	LB(S)	POUNDS	T	TREAD
CMP	CORRUGATED METAL PIPE	LH	LABORATORY FUME HOOD	TAN	TANGENT
CMU	CONCRETE MASONRY UNIT	LH	LEFT HAND	T&B	TOP AND BOTTOM
CO	CLEAN OUT, COMPANY	LIN	LINEAL, LINEAR	TBM	TEMPORARY BENCHMARK
COL	COLUMN, BASIN RESIDUALS COLLECTOR	LLH	LONG LEG HORIZONTAL	TEL	TELEPHONE, TELESCOPING
COMB SWR	COMBINED SEWER	LLV	LONG LEG VERTICAL	TEMP	TEMPERATURE, TEMPORARY
CONC	CONCRETE	LO	LOUVER OPENING	T&G	TONGUE & GROOVE
CONN	CONNECTION	LR	LABORATORY REFRIGERATOR	TH	TEST HOLE
CONST	CONSTRUCTION	LS	LABORATORY SINK, LEVEL SWITCH, LIMIT SWITCH	THK	THICK, THICKNESS
CONT	CONTINUE, (ED), (OUS), (ATTOW)	LT	LEFT	TOC	TOP OF CONCRETE, TOP OF CURB
CONTR	CONTRACTOR	MAS	MASONRY	TOM	TOP OF MASONRY
CORR	CORRIDOR, CORRUGATED	MAX	MAXIMUM	TOS	TOP OF STEEL
CPLG	COUPLING	MB	MACHINE BOLT	TWS	TOTAL WATER SYSTEM
CRNR	CORNER	MC	MECHANICAL COUPLING	TYP	TYPICAL
CRS	COURSES, (ING)	MCC	MOTOR CONTROL CENTER	UH	UNIT HEATER
CS	CUP SINK	MECH	MECHANICAL	UNO	UNLESS NOTED OTHERWISE
CSJ	CONSTRUCTION JOINT	MED	MEDIUM	UR	URINAL
CSK	COUNTERSUNK, (INK)	MET	METAL	USGS	UNITED STATES GEOLOGICAL SURVEY
CT	CHEMICAL TANK, CERAMIC TILE	MFR(S)	MANUFACTURER(S)	V	VOLT
CTR(S)	CENTER(S)	MG	MILLION GALLONS	VAC	VACUUM
CU	CUBIC	MGD	MILLION GALLONS PER DAY	VB	VACUUM BREAKER
CU YD	CUBIC YARD	MH	MANHOLE	VC	VERTICAL CURVE, VICTAULIC COUPLING
CV	CHECK VALVE	MIN	MINUTE, MINUTE	VCP	VITRIFIED CLAY PIPE
CW	COLD WATER	MISC	MISCELLANEOUS	VERT	VERTICAL
DEPT	DEPARTMENT	MJ	MECHANICAL JOINT	VNR	VENEER
DET	DETAIL	MN	MASONRY OPENING, MOTOR OPERATED	VRH	VACUUM REGULATOR HEATER
DF	DRAINING FOUNTAIN	MNT	MOUNT, (ED), (ING)	VTR	VENT THROUGH ROOF
DI	DROP INLET, DUCTILE IRON	MTL	MATERIAL	W	WEST, WIDE
DIA	DIAMETER	N	NORTH	W/	WITH
DIM	DIMENSION	N/A	NOT APPLICABLE	WC	WATER CLOSET
DIP	DUCTILE IRON PIPE	NBC	NAIL IN BOTTLE CAP	WD	WOOD, WIDTH
DIST	DISTRIBUTION	NC	NORMALLY CLOSED	WF	WALL FITTING
DN	DOWN	N & F	NAIL & FLAG	WH	WALL HYDRANT
DO	DOOR OPENING, DISSOLVED OXYGEN	NO	NORMALLY OPEN	WO	WINDOW OPENING
DW	DISHWASHER	NO. (S)	NUMBER(S)	W/O	WITHOUT
DWG(S)	DRAWING(S)	NOM	NOMINAL	WP	WATERPROOF, WORKING POINT
DWL(S)	DOWEL(S)	NPT	NATIONAL PIPE THREAD	WS	WATERSTOP
E	EAST, ELECTRICAL	NPW	NONPOTABLE WATER	WT	WEIGHT
EA	EACH	NTS	NOT TO SCALE	WW	WETWELL
ECC	END CURVE	OC	ON CENTER, ODOOR CONTROL	WWF	WELDED WIRE FABRIC
ECCENTRIC	ECCENTRIC	OD	OUTSIDE DIAMETER	WWS	WASH WATER SUPPLY PUMP
EF	EACH FACE	OF	OUTSIDE FACE, OVERFLOW	x	BY, TIMES
EJ	EXPANSION JOINT	OFRE	OVERFLOW ROOF DRAIN	YH	YARD HYDRANT
EL	ELEVATION, ELEVATOR	OH	OVERHEAD	&	AND
ELEC	ELECTRIC, (AL)	OL	OVERLOAD	@	AT
ELEY	ELEVATOR	OPFR	OPERATING ROOF DRAIN	I	CENTERLINE
EMER	EMERGENCY	OPNG	OPENING	<	DEFLECTION ANGLE
EMH	ELECTRICAL MANHOLE	OPP	OPPOSITE	#	NUMBER
EOL	END OF LINE	OSL	OUTSTANDING LEG	%	PER CENT
EPV	ECCENTRIC PLUG VALVE	OZ	OUNCE		
EQ	EQUAL				
EQUIP	EQUIPMENT				
ESF	EXPLOSION-PROOF STORAGE FREEZER				
EW	EACH WAY				
EWEF	EACH WAY EACH FACE				
EWRF	ELECTRIC WIRE ROPE HOIST				
EWTFB	EACH WAY TOP & BOTTOM				
EXIST	EXISTING				
EXP	EXPANSION, EXPOSED				
EXT	EXTENSION, EXTERIOR, EXTERNAL				

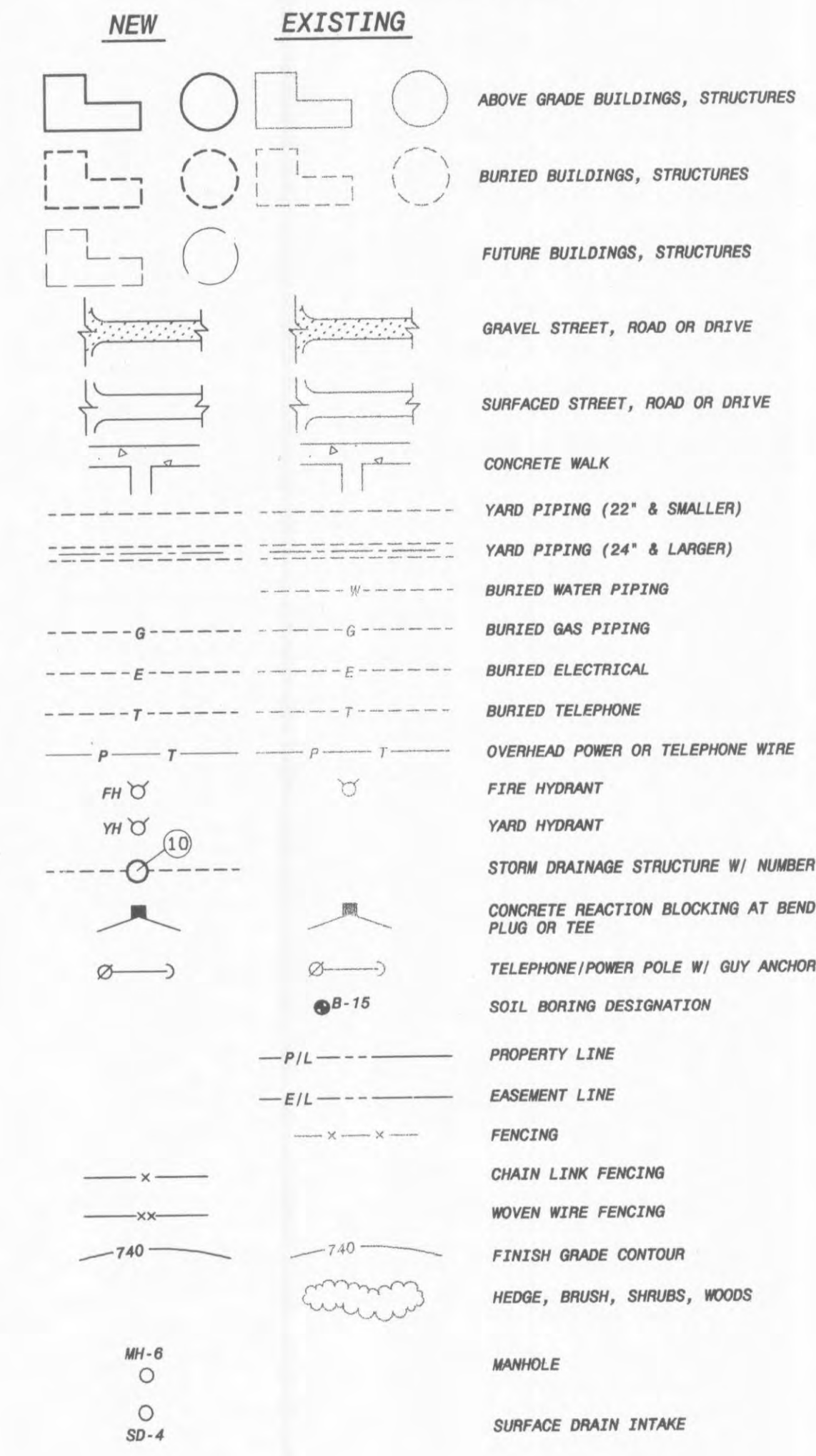
### MATERIALS LEGEND

	EARTH OR GRADE
	GRANULAR FILL (CRUSHED ROCK OR GRAVEL)
	UNDISTURBED EARTH OR ROCK
	NEW CONCRETE
	ALUMINUM
	EXISTING CONCRETE, PRECAST OR PRESTRESSED CONCRETE
	WOOD, STUDS, BEAMS, JOISTS, ETC.
	INSULATION (RIGID)
	INSULATION (BATT)
	RIPRAP
	BRICK, FACE
	BRICK, COMMON
	CONCRETE MASONRY UNITS (CMU)
	CUT STONE OR SAND FILL, GROUT, MORTAR, AND PLASTER
	CHECKERED PLATE
	STEEL (FOR 1" SCALE & LARGER)
	STEEL OR ALUMINUM (FOR 3/4" SCALE & SMALLER)
	BAR GRATING (LINES IN DIRECTION OF SPAN)
	WOOD, SHEATHING, PANELING, DECKING, ETC.

### SYMBOLS LEGEND



### SITE LEGEND



**CITY OF O'FALLON, MISSOURI**  
**WATER TREATMENT PLANT**

**ABBREVIATIONS LIST AND LEGENDS**

DESIGNED: JGW	DATE: 10/08/01
DETALIED: WMT	PROJECT NO. 97515
CHECKED: WLK	A2
APPROVED: JGW	SHEET 2 OF 96

CONFORMED TO CONSTRUCTION RECORDS  
 ADDENDUM  
 DATE: 07/15/06  
 DRAWN BY: JGW  
 CHECKED BY: WLK  
 DESIGNED BY: JGW  
 PROJECT NO.: 97515  
 SHEET NO.: 2 OF 96