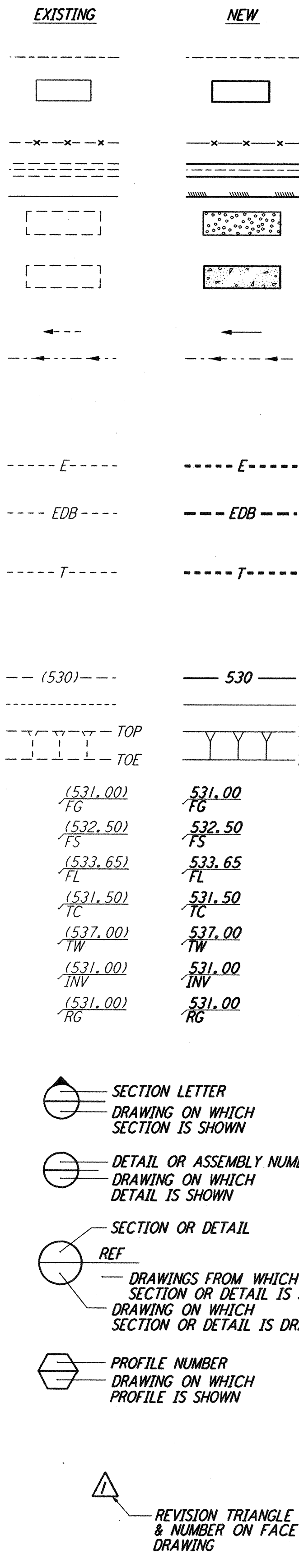


**ABBREVIATIONS**

**LEGEND**

**GENERAL NOTES**

AC	ASPHALTIC CONCRETE	MAX	MAXIMUM
AGGR	AGGREGATE	MIN	MINIMUM
APPROX	APPROXIMATELY	N	NORTH
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	NO	NUMBER
AVG	AVERAGE	NTS	NOT TO SCALE
BC	BEGIN CURVE	OC	ON CENTER
BDG	BOUNDARY	OD	OUTSIDE DIAMETER
BUILDG	BUILDING		
BM	BENCH MARK		
BOP	BOTTOM OF PIPE		
BRG	BEARING	PCT, X	PERCENT POINT OF INTERSECTION
BTE	BEAM TUBE ENCLOSURE	PI	POINT OF CONNECTION
		POC	POINT OF TANGENCY
		PT	BENTON COUNTY PUBLIC UTILITY DISTRICT NO 1
		PUD	POLYVINYL CHLORIDE
		PVC	PAVEMENT
		PVMT	
C	COMMUNICATION	R	RADIUS, RIDGE
C TO C	CENTER TO CENTER	RAD	RADIAL
CF	CURB FACE	RCP	REINFORCED-CONCRETE PIPE
CJ	CONSTRUCTION JOINT	RD	ROAD
CL	CENTERLINE	REF	REFERENCE
CL#	CLEAR	REF	REINFORCEMENT
CMP	CORRUGATED METAL PIPE	REQD	REQUIRED
CO	CLEANOUT, CONDUIT ONLY, CONTRACTION JOINT	REV	REVISION
		RG	ROUGH GRADE
		R/W	RIGHT-OF-WAY
COL	COLUMN	S	SLOPE, SOUTH
CONC	CONCRETE	SCH, SCHED	SCHEDULE
CONSTR	CONSTRUCTION	SG	SUBGRADE
CONT	CONTINUATION	SHT	SHEET
CP	CONCRETE PIPE	SIM	SIMILAR
CU FT	CUBIC FEET	SO FT, SF	SQUARE FOOT
CULV	CULVERT	STA	STATION
CY	CUBIC YARD	STD	STANDARD
		STL	STEEL
		SW	SIDEWALK
Δ	DELTA = ANGLE	T	TANGENT, TELEPHONE
D	DUCT	TEL	TELEPHONE
DEG	DEGREE	TG	TOP OF GRATE
DET	DETAIL	TOC	TOP OF CONCRETE
DI	DUCTILE IRON	TOP	TOP OF PIPE
DIA, Ø	DIAMETER	TOPO	TOPOGRAPHY
DL	DRAIN LINE	TOV	TOP OF VAULT
DWG	DRAWING	TW	TOP OF WALL
		TYP	TYPICAL
E	EAST, ELECTRICAL	UG	UNDERGROUND
EA	EACH	UON	UNLESS OTHERWISE NOTED
EC	END CURVE	VERT	VERTICAL
EDB	ELECTRICAL DUCT BANK	W	WEST
EJ	EXPANSION JOINT	W/	WITH
EL, ELEV	ELEVATION (HEIGHT)	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
ELEC	ELECTRICAL	WWF	WELDED WIRE FABRIC
ELL	ELBOW	XFMR	TRANSFORMER
EMH	ELECTRICAL MANHOLE	YD	YARD
EPB	ELECTRICAL PULLBOX		
EV	ELECTRICAL VAULT (PROVIDED BY OTHERS)		
EVC	END VERTICAL CURVE		
EW	EACH WAY		
EXIST, EX	EXISTING		
FIN	FINISH		
FIN FL	FINISH FLOOR		
FG	FINISH GRADE		
FL	FLOOR		
FS	FINISH SURFACE		
FT	FOOT, FEET		
FTG	FOOTING		
GALV	GALVANIZED		
GA	GAGE		
GB	GRADE BREAK		
GND	GROUND		
GR	GRADE		
HORIZ	HORIZONTAL		
HP	HIGH POINT		
ID	INSIDE DIAMETER		
IN	INCH		
INCL	INCLUDE		
INTSCT	INTERSECTION		
INV	INVERT		
JB	JUNCTION BOX		
JT	JOINT		
L	LENGTH		



**EXISTING**      **NEW**

**DESCRIPTION**

CENTERLINE, #  
BUILDING OR STRUCTURE

FENCE LINE

ROAD

ASPHALT CONCRETE PAVING  
MULTIPLE BITUMINOUS SURFACE

CONCRETE

DIRECTION OF SHEET FLOW  
FLOWLINE

ELECTRICAL BURIED CABLE  
(PROVIDED BY OTHERS)

ELECTRICAL DUCT BANK

BURIED TELEPHONE CABLE  
(PROVIDED BY OTHERS)

INDEX CONTOUR LINE  
INTERMEDIATE CONTOUR LINE

CUT/FILL SLOPE

FINISH GRADE ELEVATION

FINISH SURFACE ELEVATION

FLOW LINE ELEVATION

TOP OF CURB

TOP OF WALL

INVERT ELEVATION

ROUGH GRADE ELEVATION

SECTION CUT

DETAIL INDICATION

SECTION OR DETAIL TITLE

PROFILE

REVISION CLOUD

- THE TOPOGRAPHY WITHIN THE PROPERTY LINES, WAS GENERATED BY COMPUTER METHODS FROM A SURVEY PERFORMED BY J-U-B ENGINEERS, INC., KENNEWICK, WASHINGTON, DATED SEPTEMBER 23, 1993.
- HORIZONTAL AND VERTICAL DATUMS ARE ALSO FROM THE J-U-B- ENGINEERS, INC. SURVEY, AND ARE AS FOLLOWS:  
 HORIZONTAL DATUM: THE COORDINATE GRID SYSTEM ORIGINATES AT THE VERTEX POINT (N 410990.1636, E 1915712.5766) AND IS CONSIDERED COINCIDENT WITH STATE PLANE COORDINATES AT THAT POINT AND ALSO INDICATED AS STATION 0+00.00 FOR EITHER BEAM TUBE ARM. REFERENCE STATE PLANE IS WASHINGTON STATE PLANE LAMBERT SOUTH ZONE NAD 83/91  
 VERTICAL DATUM: NAVD 88 BENCH MARK "MCKINLEY"  
 (AVG LAT. 46°27'25.68") GRID FACTOR 0.999917130  
 (AVG ELEV. 532.80') SEA LEVEL FACTOR 0.999974515  
 COMBINED PROJECT SCALE FACTOR = 0.999891645  
 STATE PLANE 999.891645' = 1000.000' MEASURED GROUND.
- STRAIGHT GRADE BETWEEN SPOT ELEVATIONS, UNLESS OTHERWISE SHOWN ON PLANS.
- NOTES RELATING TO A SPECIFIC DRAWING WILL BE FOUND ON THE DRAWING FOR WHICH THEY ARE APPLICABLE.
- DIMENSIONS, ELEVATIONS AND LOCATION OF EXISTING UTILITIES ARE TO BE VERIFIED PRIOR TO START OF CONSTRUCTION BY CONTRACTOR.
- AN EXISTING 6" WATERLINE IS LOCATED ALONG THE WEST SIDE OF THE SOUTHWEST ARM, WHICH BEGINS AT A WELL PUMP POINT NEAR THE SOUTHWEST END STATION AND TERMINATES AT A POND LOCATED ADJACENT TO THE CORNER STATION PAD ON THE SOUTHWEST SIDE. EXACT LOCATION AND ALIGNMENT SHALL BE VERIFIED IN THE FIELD.
- BURIED ELECTRICAL CABLE, ELECTRICAL VAULTS, SWITCHGEAR AND TRANSFORMERS ARE SHOWN FOR INFORMATION ONLY. THESE ITEMS ARE PROVIDED BY OTHERS.
- ACCESS ROAD FROM ROUTE 10 TO CORNER STATION PAD SHALL RECEIVE A MULTIPLE BITUMINOUS TREATMENT. THE ROAD IS 1961.07 FEET LONG AND 24 FEET WIDE.
- FINISHED SURFACES SHALL BE SLOPED UNIFORMLY FROM HIGH POINTS, RIDGE LINES, AND AROUND FOUNDATIONS TO FLOW LINES AND AREA DRAINS UNLESS INDICATED OTHERWISE.

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LIGO-D960162-03-0

REFERENCES DRAWING NO.      DESCRIPTION	REVISIONS 3 1-22-99 MEI -- -- MDW ISSUED FOR AS BUILT 2 4-19-96 WRB TOM JB MDW CHANGE ORDER NO. 4 1 2-29-96 WRB TOM JB MDW CHANGE ORDER NO. 2					ISSUED FOR CONSTRUCTION DRAWN WRB 1-19-96 CHECKED MP 1-19-96 ENGINEER JB 1-19-96 PROJ MDW 1-19-96		<p>100 WEST WALNUT STREET PASADENA, CALIFORNIA</p>	<p>CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY</p>	LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY BTE SITework & FABRICATION - HANFORD, WA		
						TITLE CIVIL GENERAL NOTES, LEGEND & ABBREVIATIONS				SCALE: NONE      CONTRACT NUMBER: PPI150969      PROJECT NUMBER: 8094		
						SHEET NUMBER: BT-C-002				REVISIONS: 3		