

ABBREVIATIONS

Table of abbreviations including AC (Asphaltic Concrete), AGGR (Aggregate), APPROX (Approximately), ASTM (American Society for Testing and Materials), AVG (Average), BC (Begin Curve), BLDG (Building), BM (Bench Mark), BOP (Bottom of Pipe), BRG (Bearing), BVC (Begin Vertical Curve), CB (Catch Basin), C (Center), C to C (Center to Center), CJ (Construction Joint), CL (Centerline), CLR (Clear), CMP (Corrugated Metal Pipe), CO (Cleanout), COL (Column), CONC (Concrete), CONSTR (Construction), CONT (Continuation), CP (Concrete Pipe), CPB (Communications Pullbox), CS (Carbon Steel), CU FT (Cubic Feet), CULV (Culvert), CWR (Chilled Water Return), CWS (Chilled Water Supply), CY (Cubic Yard), DELTA (Delta = Angle), DEG (Degree), DET (Detail), DI (Ductile Iron), DIA (Diameter), DL (Drain Line), DWG (Drawing), EA (East), EC (Electrical), EDB (Expansion Joint), EJ (Expansion Joint), EL (Elevation), ELEV (Elevation), ELEC (Electrical), EMB (Electrical Manhole), EPB (Electrical Pullbox), EV (Electrical Vault), EVC (End Vertical Curve), EW (Each Way), EXIST (Existing), FH (Fire Hydrant), FIN (Finish), FIN FL (Finish Floor), FG (Finish Grade), FL (Flow Line), FLG (Flange), FOP (Face of Flange), FS (Finish Surface), FTG (Foot Feet), FW (Fire Water), GALV (Galvanized), GA (Gage), GB (Grade Break), GPM (Gallons per Minute), GR (Grade), GVL (Gravel), HORIZ (Horizontal), HP (High Point), ID (Inside Diameter), IN (Inch), INCL (Include), INTSECT (Intersection), INV (Invert), JB (Junction Box), JT (Joint), L (Length), LB (Pound)

LEGEND

Legend table showing symbols for existing and new conditions. Includes symbols for centerline, fence line, road, asphalt concrete paving, multiple bituminous surface, concrete, direction of sheet flow, flowline, cleanout, drain line, potable water, electrical, electrical duct bank, storm drain, sanitary sewer, telephone, water, fire water, chilled water supply, chilled water return, communications, fire hydrant, gate valve, manhole, storm drain catch basin, culvert, power pole, guard post, plug or cap, 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, detail title, profile, and revision cloud.

GENERAL NOTES

- 1. 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.
2. 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 41090.1636, 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. 532.00) SEA LEVEL FACTOR 0.999974515
COMBINED PROJECT SCALE FACTOR = 0.999891645
STATE PLANE 939.891645' = 1000.000 MEASURED GROUND.
VERTEX 0 ELEVATION = 537.29' PROJECT DATUM
3. STRAIGHT GRADE BETWEEN SPOT ELEVATIONS, UNLESS OTHERWISE SHOWN ON PLANS.
4. NOTES RELATING TO A SPECIFIC DRAWING WILL BE FOUND ON THE DRAWING FOR WHICH THEY ARE APPLICABLE.
5. DIMENSIONS, ELEVATIONS AND LOCATION OF EXISTING UTILITIES, STRUCTURES, OR GRADING ARE TO BE VERIFIED PRIOR TO START OF CONSTRUCTION BY CONTRACTOR. ANY DISCREPANCY WITH THE DRAWINGS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE CONSTRUCTION MANAGER. ANY ADDITIONAL WORK PERFORMED BY THE CONTRACTOR DUE TO HIS FAILURE TO VERIFY AND SO ADVISED, SHALL BE COMPLETELY AT HIS OWN COST AND AT NO COST TO THE DISTRICT.
6. 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. APPROXIMATE ALIGNMENT OF WATERLINE IS SHOWN ON SHEETS WA-C-031 THRU WA-C-040. SEE DETAIL 7, SHEET WA-C-055.
7. FINISHED SURFACES SHALL BE SLOPED UNIFORMLY FROM HIGH POINTS, RIDGE LINES, AND AROUND FOUNDATIONS TO FLOW LINES AND AREA DRAINS UNLESS INDICATED OTHERWISE.
8. STORM DRAIN, SANITARY SEWER, AND UTILITY LINES SHALL BE SLOPED AT A UNIFORM GRADE BETWEEN INVERT ELEVATIONS.
9. BORING SUMMARIES ARE FROM A FOUNDATIONS INVESTIGATION CONDUCTED BY DAMES AND MOORE. A COPY OF THE REPORT IS ON FILE WITH THE CLIENT.
10. ALL UNDERGROUND PIPES SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION FROM HEAVY MOVING EQUIPMENT.
11. WELL PUMP AT SOUTHWEST END STATION SHALL BE ENCLOSED WITH A 7'-9" HIGH PREFABRICATED SHELTER WITH STANDARD DOOR, ANCHORED TO A NEW 6" THICK CONCRETE SLAB, PER CONTRACTOR DESIGN.
12. ALL NEW SIDE SLOPES 3 (HORIZONTAL) : 1 (VERTICAL) OR STEEPER SHALL HAVE A MINIMUM 3 INCHES OF SLOPE PROTECTION MATERIAL.
13. ALL UNPAVED FLAT SURFACES, ROADS OR FUTURE PAVED AREAS SHALL CONTINUALLY HAVE DUST CONTROL DURING THE COMPLETE CONSTRUCTION PERIOD, UNTIL PAVED OR BITUMINOUS SURFACE TREATED.
14. THE LIGO VERTEX POINT IS DEFINED AS THE INTERSECTION OF THE BEAM TUBE CENTERLINES OR THE (0, 0, 0) POINT EQUIVALENT TO (NORTH, EAST, ELEVATION) PROJECT COORDINATES DEFINED IN NOTE 2 ABOVE.

STANDARD PLANS

TO THE EXTENT REFERENCED, THE FOLLOWING WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD, BRIDGES AND MUNICIPAL CONSTRUCTION SHALL BE CONSIDERED PART OF THE CONSTRUCTION DOCUMENTS:

Table of standard plans including PLAN, TITLE, and LAST DATE. Includes items like B-11 (PIPE COMPACTION DESIGNS AND BACKFILL), B-12 (PIPE BEDDING FOR SANITARY SEWERS IN TRENCHES ONLY), B-19 (HYDRANT SETTING TYPE A & B), C-1 (BEAM GUARDRAIL (W BEAM), SHEET 1 OF 2), C-2 (BEAM GUARDRAIL (W BEAM), SHEET 2 OF 2), C-2b (GUARDRAIL PLACEMENT), C-7 (BEAM GUARDRAIL TERMINAL SECTION (DESIGN G)), F-1 (CEMENT CONCRETE CURBS AND GUTTERS), F-2 (EXTRUDED CURB), G-4a (ROADSIDE SIGN STRUCTURES ON TIMBER POSTS), G-5 (SIGN MOUNTING DETAILS, SHEET 2 OF 3), H-5c (PAVEMENT MARKINGS), H-6 (SURVEY MONUMENTS), H-13 (PIPE-T BOLLARD-GUARD POST), H-13b (PIPE-T BOLLARD-GUARD POST), I-1 (REST AREA BUILDING DETAILS-SEPTIC TANK), I-1a (REST AREA BUILDING DETAILS-DRAIN FIELD), J-10 (ELECTRICAL CONDUIT PLACEMENT), L-2 (CHAIN LINK FENCE, SHEET 1 OF 2), L-2a (CHAIN LINK FENCE, SHEET 2 OF 2), L-3 (CHAIN LINK GATES), L-6 (ACCESS CONTROL GATE).

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Table with columns for REVISIONS (NO., DATE, BY, CHKO, ENGR, PROJ) and DESCRIPTION. Includes entries for BID ADDENDUM #2, FINAL DESIGN REVIEW & BID, and PRELIMINARY DESIGN REVIEW.

Table with columns for DRAWN, CHECKED, ENGINEER, PROJ. Includes names WRB, ML, MDW, TDM.

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LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO. 1 - HANFORD, WASHINGTON. Includes project number PPI50969, sheet number WA-C-002, and revision number 8094.