GENERAL NOTES

DATE: 07/06/98 TIME: 15:17:37 DESIGN FILE: I:\ligo\sitel\ce\wac002.dgz

- I. 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 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.

- VERTEX O 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 ADVISE, SHALL BE COMPLETELY AT HIS OWN COST AND AT NO COST TO THE INSTITUTE.
- 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.
- II. WELL PUMP AT SOUTHWEST END STATION SHALL BE ENCLOSED WITH A 7'x9'x8'HIGH PREFABRICATED SHELTER WITH STANDARD DOOR, ANCHORED TO A NEW 6" THICK CONCRETE SLAB, PER CONTRACTOR DESIGN.
- 12. ALL NEW SIDE SLOPES 3 (HORIZONTAL) : I (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 CONTRUCTION 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: LAST DATE B-19 10/3/83 HYDRANT SETTING TYPE A & B C-1 BEAM GUARDRAIL (W BEAM), SHEET I OF 2 6/4/93 C-1 BEAM GUARDRAIL (W BEAM), SHEET 2 OF 2 6/4/93 C-2p 6/19/92 GUARDRAIL PLACEMENT C-7 BEAM GUARDRAIL TERMINAL SECTION (DESIGN G) 1/21/85 H-5c PAVEMENT MARKINGS 7/17/81 H-6 SURVEY MONUMENTS 7/17/81 L-2 5/24/91 CHAIN LINK FENCE, SHEET I OF 2 L-2 CHAIN LINK FENCE, SHEET 2 OF 2 5/24/91 L-3 CHAIN LINK GATES 1/21/85

LIGO-D960197-01-O

1/21/85

JB MDW 7/9/96 AS-BUILT **DRAWINGS** 1 5/15/98 WRB BY CHKD ENGR PROJ DES

DESCRIPTION

DRAWING NO.

DESCRIPTION

PARSONS

100 WEST WALNUT STREET

PASADENA, CALIFORNIA

LIGO W CALIFORNIA INSTITUTE OF TECHNOLOGY

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

L-6

ACCESS CONTROL GATE

LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO. I - HANFORD, WASHINGTON

GENERAL NOTES, LEGEND & ABBREVIATIONS

PP150969 8094 WA-C-002

LIGOWAF3.BDR