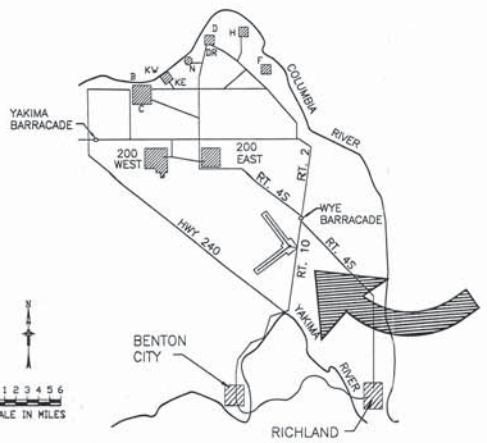
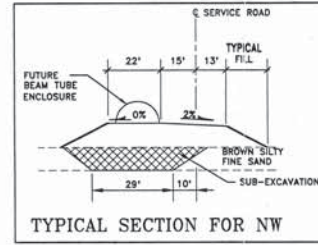


LIGO SITE - HANFORD

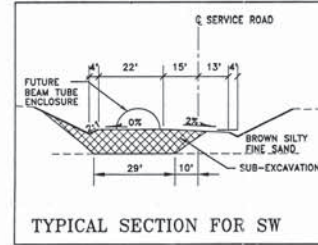
PROJECT AREA



VICINITY MAP



TYPICAL SECTION FOR NW



TYPICAL SECTION FOR SW

NOTES:

ALL DISTANCES AND COORDINATES ARE SHOWN AS STATE PLANE
 HORIZONTAL DATUM: WASHINGTON STATE
 PLANE LAMBERT SOUTH ZONE NAD 83/91

PROJECT VERTICAL DATUM: NAVD 88

BENCH MARK "MCKINLEY" METERS
 NAVD 88 171.837
 METERS NGVD 29 170.806

(AVG LAT. 46°27'25.68") GRID FACTOR 0.999917130
 (AVG ELEV. 532.80) SEA LEVEL FACTOR 0.999974515

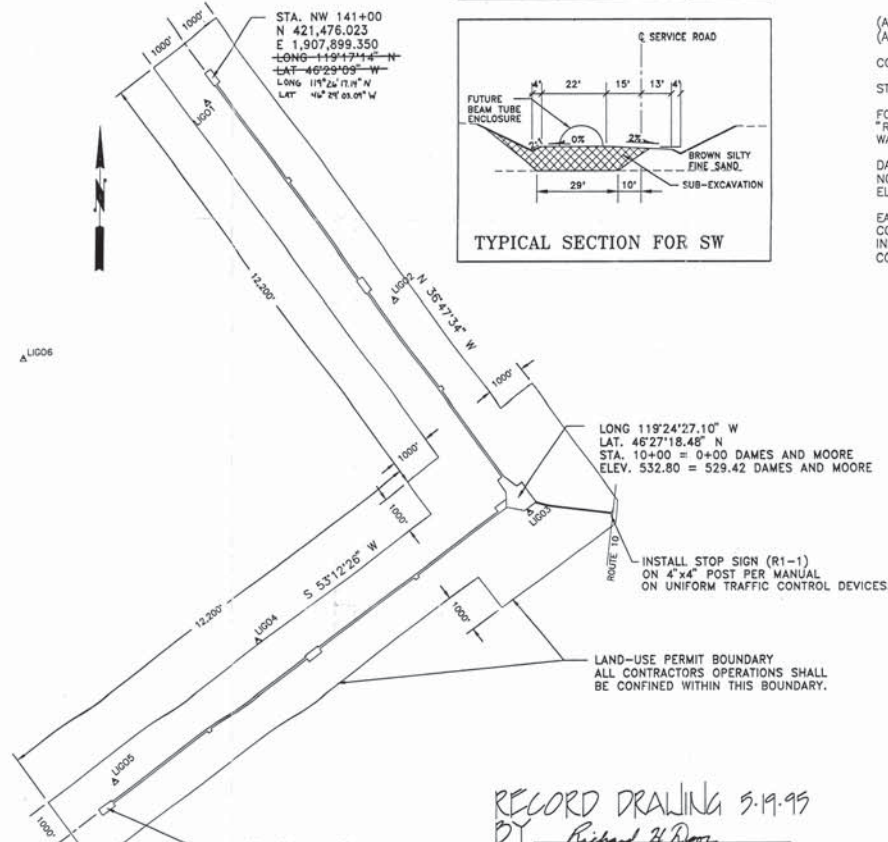
COMBINED PROJECT SCALE FACTOR = 0.999891645

STATE PLANE 999.891645' = 1000.000' MEASURED GROUND

FOR BORING TEST INFORMATION SEE DAMES AND MOORE
 "REPORT OF GEOTECHNICAL SURVEY LIGO PROJECT HANFORD,
 WASHINGTON FOR CALIFORNIA INSTITUTE OF TECHNOLOGY"

DAMES AND MOORE REPORT IS BASED ON THE VERTICAL DATUM
 NGVD 1929. ADD 3.38 FEET TO THE DAMES AND MOORE
 ELEVATIONS TO CONVERT TO PROJECT DATUM.

EARTHWORK QUANTITIES ARE BASED ON AN EMBANKMENT
 COMPACTION FACTOR OF 1.20. QUANTITIES ARE PROVIDED FOR
 INFORMATION ONLY AND IT IS THE RESPONSIBILITY OF THE
 CONTRACTOR TO VERIFY.



CONTROL POINTS AS SHOWN ON PLAN

POINT	NORTH	EAST
4000	410985.453	1915745.237
4002	410449.107	1915022.844
4003	409729.965	1914065.615
4004	408678.210	1913857.251
4005	408825.763	1912860.531
4006	407928.423	1911653.065
4007	407198.728	1911546.809
4008	407031.368	1910458.202
4010	408288.850	1909458.003
4011	405186.964	1909531.270
4012	405341.443	1908203.406
4013	404518.240	1907098.258
4014	403549.004	1907209.175
4015	403761.623	1906085.329
4017	403076.913	1905171.492
4100	411810.531	1915803.899
4101	411945.166	1915028.461
4102	413009.295	1915150.441
4103	412908.311	1914306.563
4104	413866.547	1913590.146
4105	414258.279	1913040.998
4106	415308.747	1912511.804
4108	416272.219	1911791.271
4109	416775.523	1912107.342
4110	416986.184	1911255.031
4111	418540.331	1911044.994
4112	417705.687	1910713.540
4113	418671.741	1910010.531
4114	419631.205	1910012.479
4115	419671.846	1909201.850
4116	420644.053	1908521.665
4117	420974.351	1909114.030
4118	421559.613	1907837.330
4201	421113.464	1907424.820
4202	416164.285	1912526.068
4203	410647.803	1916004.584
4204	407401.131	1909213.733
4205	403900.899	1905770.659
4206	413750.547	1904062.124
		ELEV. 563.237 LIG01
		ELEV. 550.905 LIG02
		ELEV. 542.532 LIG03
		ELEV. 561.242 LIG04
		ELEV. 554.431 LIG05
		ELEV. 554.431 LIG06

RECORD DRAWING 5.19.95
 BY Richard H. Davis

JUB ENGINEERS, INC.
 Engineers Surveyors Planners
 KENNESAW, WASHINGTON

DES. RHD DR. GLB CK. CAL SHEET 1 OF 13
 DATE: SEPTEMBER 28, 1993 DWG. NO. 736-COV
 SCALE: AS SHOWN

C:\MS90\JUB\COV.PLT 06:19:54 08/28/93