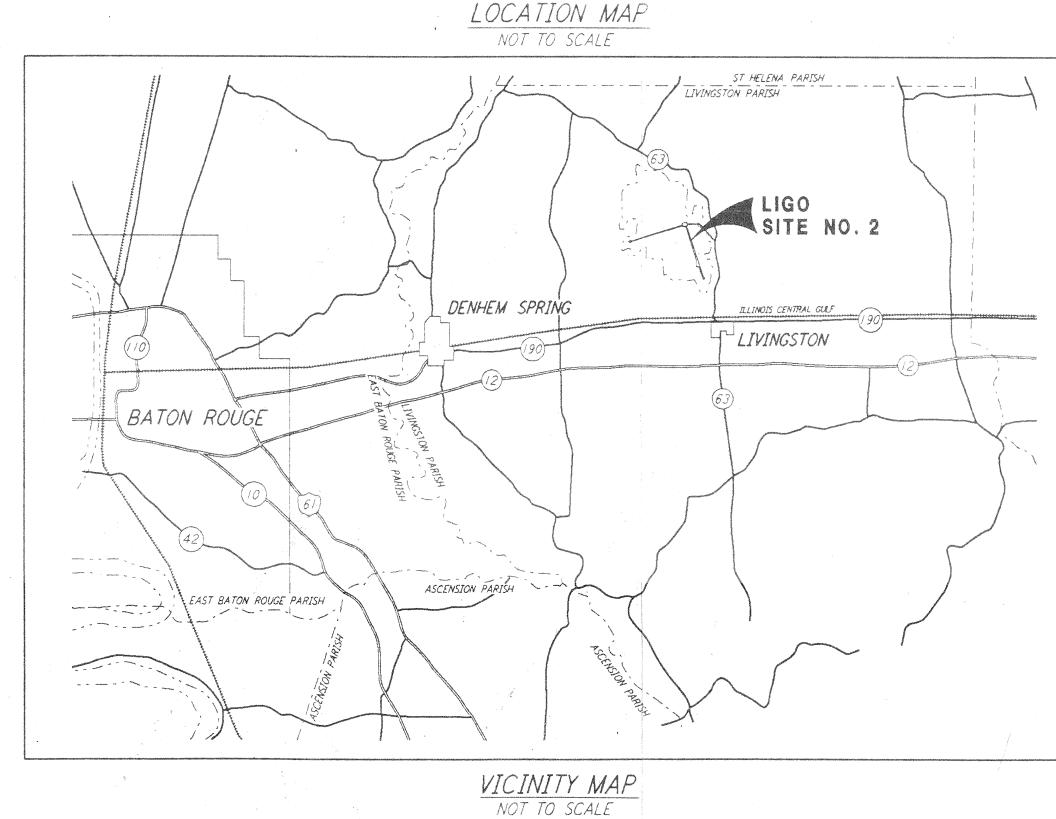


LIGO 5 -

N 17°59'46" W -400.00'

LIGO SW NAD 83 LAT: 30° 33'06.89734" N LONG: 90° 48'51.45327" W



COORDINATE TABLE & ELEVATIONS EOD LICO ODS DOINTS

FOR LIGO GPS POINTS			
GPS POINT	COORDINATES		CICNATION
	NORTH	EAST	ELEVATION
APEX	750660. 79279	3456770.41970	9900
LIGO /*	738320.57379	3460989.05172	50. 1859
LIGO 2	744519.64252	3458903. 40003	54.8696
LIGO 3*	750681.37965	3457182.57992	58. 6390
LIGO 4	748702, 39005	3450520 . 15899	62. 4526
LIGO 5	746819.76529	3444303.96185	58. 6393
A 290	Audio	600	42.1193
Y 21	4/8/s	6463	41.2794
5 294	4660	ellera.	42.4081

NOTE: GPS COORDINATE POINTS ARE HIGH ACCURACY

* LIGO I AND LIGO 3 SHALL BE RE-ESTABLISHED BY CONTRACTOR IN NEW A LOCATION, TO BE DETERMINED.

SURVEY NOTES:

- I. PROPERTY LINE LOCATION AND 'LIGO' ACCESS ROAD RIGHT-OF-WAY ARE BY A SURVEY PERFORMED BY ALEX THERIOT JR & ASSOCIATES, INC., DENHAM SPRINGS, DATED MARCH 12, 1993.
- 2. HORIZONTAL AND VERTICAL CONTROLS ARE FROM A VERNON F. MEYER 'GPS SURVEY', AND ARE AS FOLLOWS: HORIZONTAL CONTROL: ALL BEARINGS AND DISTANCES SHOWN HEREON ARE LAMBERT GRID, NAD 83/92,
- LOUISIANA SOUTH ZONE (1702). ELEVATIONS SHOWN ARE MEAN SEA LEVEL, DATUM NAVD 88
 ELEVATIONS ARE A LEAST SOUARES ADJUSTMENT HOLDING TO NAVD 88 VALUES OF NGS'ADJUSTED
 ELEVATION OF BENCHMARK A 290, Y 21 AND S 294 (VERT. ORDER - FIRST CLASS 1) VERTICAL CONTROL:
- 3. CALTECH WILL PROVIDE FIVE (5) 'GPS' SURVEY MONUMENTS FOR INITIAL CONTROL OF THE WORK. ADDITIONAL (APPROXIMATELY 15) FIRST ORDER 'GPS' MONUMENTS ARE NECESSARY TO ACCURATELY PLACE THE EQUIPMENT.
- 4. ROUGH GRADING DRAWINGS WERE BASED ON AN APEX COORDINATE OF N 750662.6458, E 3456770.8116 THIS ROUGH GRADING APEX POINT, GRID, OR OTHER ROUGH GRADING COORDINATES SHALL NOT BE USED FOR THE CONTROL OF THE WORK IN THIS CONTRACT.
- 5. CONTRACTOR SHALL USE THE 'TEMPORARY ACCESS ROAD' WHEN DIRECTED BY THE CONSTRUCTION MANAGER.
 THIS MAY BE AT ANY TIME, BUT PRIMARILY DURING CONSTRUCTION OF THE MAIN ACCESS ROAD BY OTHERS.
- 6. CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL FOR 'TEMPORARY ACCESS ROAD', AS WELL AS BEAM TUBE SERVICE ROADS IN ACCORDANCE WITH THE SPECIFICATIONS.
- 7. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING BEAM TUBE SERVICE ROADS AT DESIGN GRADE, TO PROVIDE SMOOTH PASSAGE FOR ALL CONSTRUCTION TRAFFIC.

GRAPHIC SCALE

DATE: 10/21:96 TIME: 07:03:21 DESIGN FILE: I:\ligo\site2\ce\lac50\.dgz

-ACCESS ROAD RIGHT-OF-WAY

TEMPORARY ---

-N 72°00'09" E, 100.00'

—LIGO I[≭]

ACCESS ROAD

(SEE NOTES 5 & 6)

LAT: 30° 33'46.6783" N LONG: 90° 46'27. 6499" W

N 750,660.7928 E 3,456,770.4197

— S 72°00'09" W 250.00'

5 89°20'02" W 492.14'

LIGO SE NAD 83

LAT: 30° 31'42. 22109" N LONG: 90° 45'41. 71826" W

DRAWN WRB 11-15-96
CHECKED ML. WS 96
ENGINEER JB 11/15/96
PROJ SPAD 11/15/96 NO. DATE BY CHKD ENGR PROJ DESCRIPTION DESCRIPTION DRAWING NO.

Manis 20



100 WEST WALNUT STREET PASADENA, CALIFORNIA



MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER

CIVIL DRAWING INDEX LOCATION & VICINITY

LA-C-501

LIGO-0961257 =00=0

LIGOLTF3.BDR