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DATE: 07/03:96 TIME: 10:32:28
DESIGN FILE: I:\ligo\site\ce\wac505.dgz

## CURVE DATA

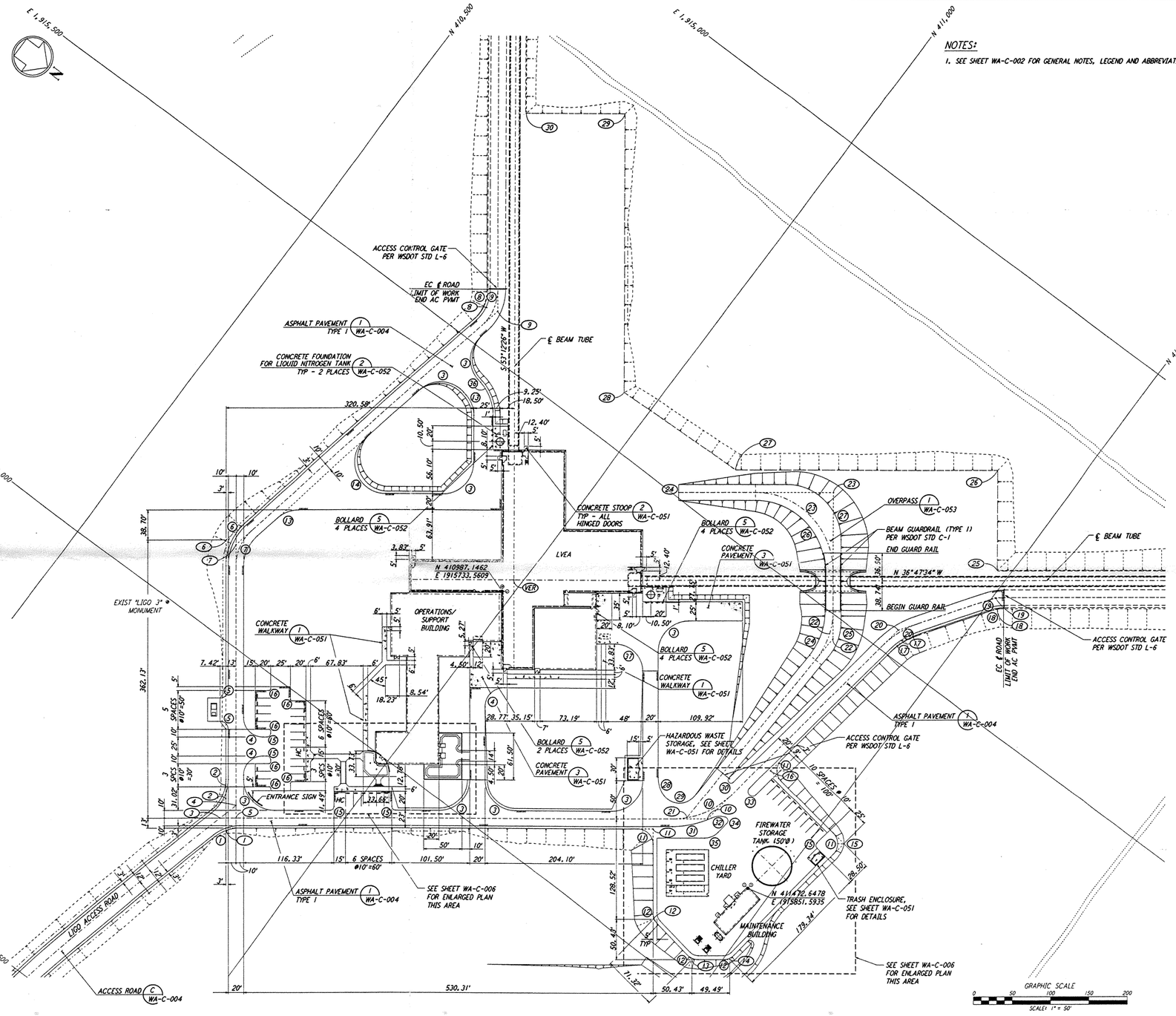
| | Δ | RADIUS | LENGTH | TANGENT | REMARK |
|---|---|---|---|---|---|
| 1 | 38°30'03" | 52' | 34.94' | 18.16' | EDGE OF PAD (EXIST) |
| 2 | 51°29'57" | 52' | 46.74' | 25.08' | EDGE OF PAD (EXIST) |
| 3 | 90°00'00" | 40' | 62.83' | 40.00' | |
| 4 | 90°00'00" | 25' | 39.27' | 25.00' | |
| 5 | 90°00'00" | 10' | 15.71' | 10.00' | |
| 6 | 48°19'28" | 75' | 63.26' | 33.65' | EDGE OF PAD (EXIST) |
| 7 | 48°19'28" | 62' | 52.29' | 27.81' | ℄ ROAD |
| 8 | 48°19'28" | 50' | 42.17' | 22.73' | EDGE OF PAD (EXIST) |
| 9 | 48°19'28" | 63' | 53.14' | 28.26' | ℄ ROAD |
| 10 | 45°00'00" | 110' | 86.39' | 45.26' | ℄ ROAD |
| 11 | 90°00'00" | 20' | 31.42' | 20.00' | EDGE OF PAD |
| 12 | 45°00'00" | 20' | 15.71' | 8.28' | EDGE OF PAD |
| 13 | 41°40'32" | 40' | 29.09' | 15.22' | |
| 14 | 138°19'28" | 40' | 96.57' | 105.09' | |
| 15 | 90°00'00" | 5' | 7.85' | 5.00' | |
| 16 | 90°00'00" | 2' | 3.14' | 2.00' | |
| 17 | 26°44'20" | 100' | 46.67' | 23.77' | EDGE OF PAD |
| 18 | 18°15'59" | 50' | 15.94' | 8.04' | EDGE OF PAD (EXIST) |
| 19 | 18°15'40" | 64.33' | 20.51' | 10.34' | ℄ ROAD |
| 20 | 26°44'20" | 110' | 51.33' | 26.14' | ℄ ROAD |
| 21 | 180°00'00" | 30' | 94.25' | - | |
| 22 | 39°00'00" | 100' | 68.07' | 35.41' | ℄ OVERPASS |
| 23 | 90°00'00" | 100' | 157.08' | 100.00' | ℄ OVERPASS |
| 24 | 39°00'00" | 90' | 61.26' | 31.87' | INSIDE EDGE OVERPASS |
| 25 | 39°00'00" | 70' | 47.65' | 24.79' | OUTSIDE EDGE OVERPASS |
| 26 | 90°00'00" | 90' | 141.37' | 90.00' | INSIDE EDGE OVERPASS |
| 27 | 90°00'00" | 70' | 109.96' | 70.00' | OUTSIDE EDGE OVERPASS |
| 28 | 35°09'14" | 40' | 24.54' | 12.67' | |
| 29 | 105°50'48" | 25' | 46.18' | 33.08' | |
| 30 | 174°00'06" | 4' | 12.15' | - | |
| 31 | 24°55'02" | 120' | 52.19' | 26.51' | |
| 32 | 42°34'55" | 25' | 18.58' | 9.74' | |
| 33 | 180°00'00" | 6' | 18.85' | - | |
| 34 | 117°20'08" | 5' | 10.24' | 8.21' | |
| 35 | 45°00'00" | 25' | 19.64' | 10.36' | |
| 36 | 41°40'32" | 65' | 47.28' | 24.74' | |
| 37 | 90°00'00" | 35' | 54.98' | 35.00' | |

## COORDINATES

| | NORTH | EAST | REMARK |
|---|---|---|---|
| VER | 410990.1636 | 1915712.5766 | VERTEX (HORIZONTAL INTERSECTION BEAM TUBE CENTERLINES) |
| 1 | 410884.9628 | 1916195.0154 | PI EDGE OF PAD (EXIST) |
| 2 | 410861.9569 | 1916164.4961 | PI EDGE OF PAD (EXIST) |
| 3 | 410870.9685 | 1916189.2481 | ℄ ROAD INTERSECTION |
| 4 | 410877.6535 | 1916163.7780 | ℄ ROAD INTERSECTION |
| 5 | 410887.4715 | 1916176.9055 | ℄ ROAD INTERSECTION |
| 6 | 410660.2510 | 1915894.8000 | PI EDGE OF PAD (EXIST) |
| 7 | 410674.1544 | 1915891.6843 | PI ℄ ROAD |
| 8 | 410750.4475 | 1915452.7184 | PI EDGE OF PAD (EXIST) |
| 9 | 410764.7074 | 1915447.8560 | PI ℄ ROAD |
| 10 | 411376.9911 | 1915810.7953 | PI ℄ ROAD |
| 11 | 411327.9433 | 1915863.7117 | PI EDGE OF PAD |
| 12 | 411397.1283 | 1915956.2176 | PI EDGE OF PAD |
| 13 | 411467.7144 | 1915966.3985 | PI EDGE OF PAD |
| 14 | 411507.3455 | 1915936.7584 | PI EDGE OF PAD |
| 15 | 411537.0138 | 1915731.0468 | PI EDGE OF PAD |
| 16 | 411404.3866 | 1915711.9182 | PI EDGE OF PAD |
| 17 | 411438.7429 | 1915473.7112 | PI EDGE OF PAD |
| 18 | 411513.7640 | 1915366.3479 | PI EDGE OF PAD (EXIST) |
| 19 | 411503.3335 | 1915356.2497 | PI ℄ ROAD |
| 20 | 411426.7403 | 1915465.8629 | PI ℄ ROAD |
| 21 | 411354.4782 | 1915825.6459 | ℄ ROAD INTERSECTION |
| 22 | 411366.0265 | 1915526.0024 | PI ℄ ROAD |
| 23 | 411252.5814 | 1915374.3189 | PI ℄ ROAD |
| 24 | 411092.4208 | 1915494.1049 | PI ℄ ROAD |
| 25 | 411483.8178 | 1915326.3078 | PI EDGE OF PAD (EXIST) |
| 26 | 411407.1550 | 1915223.8040 | PI EDGE OF PAD (EXIST) |
| 27 | 411134.8810 | 1915427.4380 | PI EDGE OF PAD (EXIST) |
| 28 | 410958.8720 | 1915434.2010 | PI EDGE OF PAD (EXIST) |
| 29 | 410743.2600 | 1915145.9110 | PI EDGE OF PAD (EXIST) |
| 30 | 410640.7560 | 1915222.5730 | PI EDGE OF PAD (EXIST) |

**NOTES:**

1. SEE SHEET WA-C-002 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.




| REFERENCES | | REVISIONS | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DRAWING NO. | DESCRIPTION | NO. | DATE | BY | CHKD | ENGR | PROJ | DESCRIPTION |

| FOR CONSTRUCTION | | |
|---|---|---|
| DRAWN | WRB | 10/5/95 |
| CHECKED | ML | 7/9/96 |
| ENGINEER | JG | 7/9/96 |
| PROJ | [illegible] | 7/9/96 |

JOHN JAMES GLEASON — STATE OF WASHINGTON — 16331 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 2/13/98

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY
SITE NO. 1 - HANFORD, WASHINGTON

TITLE: CIVIL CORNER STATION PLOT PLAN

| SCALE | CONTRACT NUMBER | PROJECT NUMBER |
|---|---|---|
| 1" = 50' | PP150969 | 8094 |

SHEET NUMBER: WA-C-505 REVISIONS: 0

LIGO-D960241-00-O

LIGOWAF3.BOR

Plotted: JUL 03 10:31:44 1996 S:S-XREF:LIGO\SITE\WA\DGN\WAC505.DGN