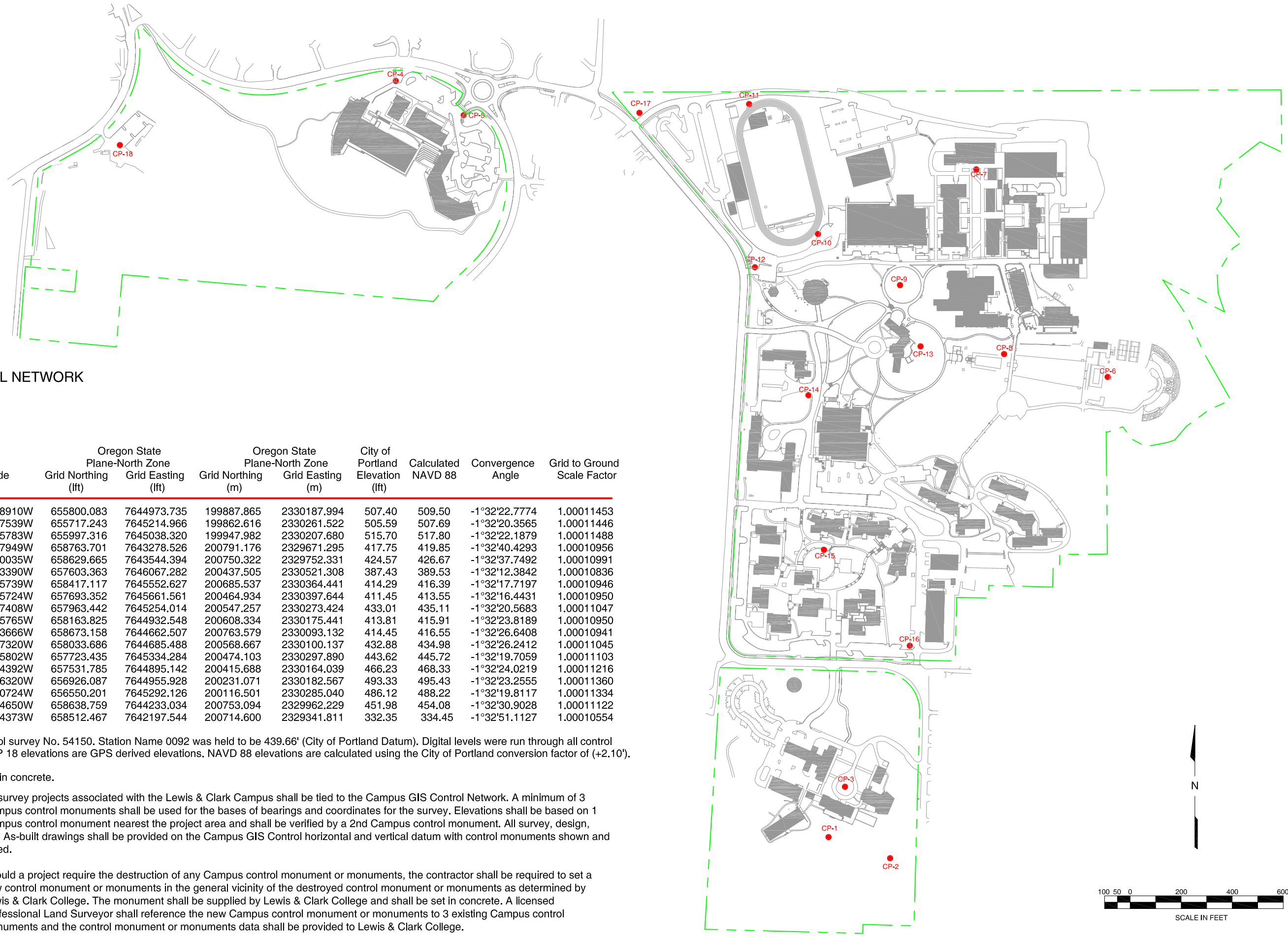



# LEWIS & CLARK CAMPUS
# GIS AND SURVEY CONTROL NETWORK

Linear unit: IFeet
Projection: SPC83-Oregon (North)

| Name | NAD 83(1991) Latitude | NAD 83(1991) Longitude | Oregon State Plane-North Zone Grid Northing (Ift) | Oregon State Plane-North Zone Grid Easting (Ift) | Oregon State Plane-North Zone Grid Northing (m) | Oregon State Plane-North Zone Grid Easting (m) | City of Portland Elevation (Ift) | Calculated NAVD 88 | Convergence Angle | Grid to Ground Scale Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| CP 1 | 45°26'41.80537N | 122°40'15.68910W | 655800.083 | 7644973.735 | 199887.865 | 2330187.994 | 507.40 | 509.50 | -1°32'22.7774 | 1.00011453 |
| CP 2 | 45°26'41.05170N | 122°40'12.27539W | 655717.243 | 7645214.966 | 199862.616 | 2330261.522 | 505.59 | 507.69 | -1°32'20.3565 | 1.00011446 |
| CP 3 | 45°26'43.76924N | 122°40'14.85783W | 655997.316 | 7645038.320 | 199947.982 | 2330207.680 | 515.70 | 517.80 | -1°32'22.1879 | 1.00011488 |
| CP 4 | 45°27'10.60657N | 122°40'40.57949W | 658763.701 | 7643278.526 | 200791.176 | 2329671.295 | 417.75 | 419.85 | -1°32'40.4293 | 1.00010956 |
| CP 5 | 45°27'09.35434N | 122°40'36.80035W | 658629.665 | 7643544.394 | 200750.322 | 2329752.331 | 424.57 | 426.67 | -1°32'37.7492 | 1.00010991 |
| CP 6 | 45°26'59.89408N | 122°40'01.03390W | 657603.363 | 7646067.282 | 200437.505 | 2330521.308 | 387.43 | 389.53 | -1°32'12.3842 | 1.00010836 |
| CP 7 | 45°27'07.78970N | 122°40'08.55739W | 658417.117 | 7645552.627 | 200685.537 | 2330364.441 | 414.29 | 416.39 | -1°32'17.7197 | 1.00010946 |
| CP 8 | 45°27'00.67481N | 122°40'06.75724W | 657693.352 | 7645661.561 | 200464.934 | 2330397.644 | 411.45 | 413.55 | -1°32'16.4431 | 1.00010950 |
| CP 9 | 45°27'03.23263N | 122°40'12.57408W | 657963.442 | 7645254.014 | 200547.257 | 2330273.424 | 433.01 | 435.11 | -1°32'20.5683 | 1.00011047 |
| CP 10 | 45°27'05.12519N | 122°40'17.15765W | 658163.825 | 7644932.548 | 200608.334 | 2330175.441 | 413.81 | 415.91 | -1°32'23.8189 | 1.00010950 |
| CP 11 | 45°27'10.08077N | 122°40'21.13666W | 658673.158 | 7644662.507 | 200763.579 | 2330093.132 | 414.45 | 416.55 | -1°32'26.6408 | 1.00010941 |
| CP 12 | 45°27'03.77512N | 122°40'20.57320W | 658033.686 | 7644685.488 | 200568.667 | 2330100.137 | 432.88 | 434.98 | -1°32'26.2412 | 1.00011045 |
| CP 13 | 45°27'00.88499N | 122°40'11.35802W | 657723.435 | 7645334.284 | 200474.103 | 2330297.890 | 443.62 | 445.72 | -1°32'19.7059 | 1.00011103 |
| CP 14 | 45°26'58.87687N | 122°40'17.44392W | 657531.785 | 7644895.142 | 200415.688 | 2330164.039 | 466.23 | 468.33 | -1°32'24.0219 | 1.00011216 |
| CP 15 | 45°26'52.91461N | 122°40'16.36320W | 656926.087 | 7644955.928 | 200231.071 | 2330182.567 | 493.33 | 495.43 | -1°32'23.2555 | 1.00011360 |
| CP 16 | 45°26'49.29368N | 122°40'11.50724W | 656550.201 | 7645292.126 | 200116.501 | 2330285.040 | 486.12 | 488.22 | -1°32'19.8117 | 1.00011334 |
| CP 17 | 45°27'09.62718N | 122°40'27.14650W | 658638.759 | 7644233.034 | 200753.094 | 2329962.229 | 451.98 | 454.08 | -1°32'30.9028 | 1.00011122 |
| CP 18 | 45°27'07.83886N | 122°40'55.64373W | 658512.467 | 7642197.544 | 200714.600 | 2329341.811 | 332.35 | 334.45 | -1°32'51.1127 | 1.00010554 |

Elevations are based on geodetic control survey No. 54150. Station Name 0092 was held to be 439.66' (City of Portland Datum). Digital levels were run through all control points except CP 2 & CP 18. CP 2 & CP 18 elevations are GPS derived elevations. NAVD 88 elevations are calculated using the City of Portland conversion factor of (+2.10').

All control points are 3" brass disks set in concrete.




All survey projects associated with the Lewis & Clark Campus shall be tied to the Campus GIS Control Network. A minimum of 3 Campus control monuments shall be used for the bases of bearings and coordinates for the survey. Elevations shall be based on 1 Campus control monument nearest the project area and shall be verified by a 2nd Campus control monument. All survey, design, and As-built drawings shall be provided on the Campus GIS Control horizontal and vertical datum with control monuments shown and noted.

Should a project require the destruction of any Campus control monument or monuments, the contractor shall be required to set a new control monument or monuments in the general vicinity of the destroyed control monument or monuments as determined by Lewis & Clark College. The monument shall be supplied by Lewis & Clark College and shall be set in concrete. A licensed Professional Land Surveyor shall reference the new Campus control monument or monuments to 3 existing Campus control monuments and the control monument or monuments data shall be provided to Lewis & Clark College.

Survey controls updated 6_26_06. HHPR

J:data/GPS_GIS/CampusSurveyControl/SurveyControlMarkers2006_1w_photo.dwg