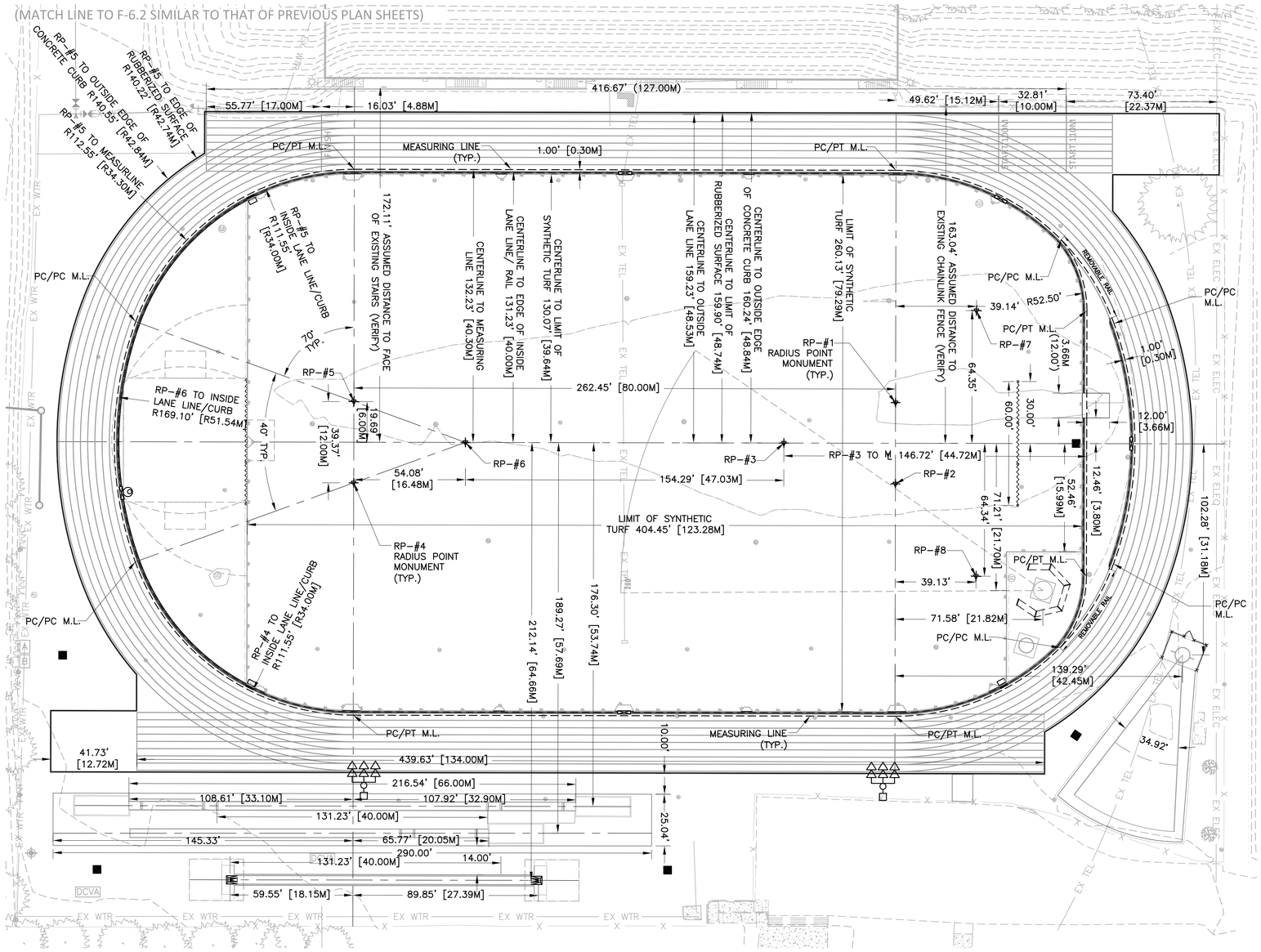

TRACK CALCULATIONS

Oregon Tech University			
400M Double-Bend Track Layout Calculations			
Layout Summary	**Metric**	**Conversion**	**Feet**
Distance RP#3 to RP#6	79.99600	3.2808399	262.45407
Running Length on Straights	159.99200	3.2808399	524.90814
Small Radius Turns RP's 1, 2, 4, 5			
RP to Measuring Line	34.30000	3.2808399	112.53281
Angle per Segment	70.00000	Degrees	
Total Angle for 4 Segements	280.00000	Degrees	
Running Length	167.62181	3.2808399	549.94033
Large Radius Turns (2)			
RP to Measuring Line	51.84300	3.2808399	170.08858
Angle per Segment	40.00000	Degrees	
Total Angle for 2 Segements	80.00000	Degrees	
Running Length	72.38665	3.2808399	237.48902
Total Running Length @ M.L.	**400.00047**	3.2808399	1312.33749
Track Rail to Measuring Line	0.30000	3.2808399	0.98425
Track Rail to Slot Drain	0.18000	3.2808399	0.59055
Small Radius Turns			
Distance RP to Slot Drain	33.82000	3.2808399	110.95801
Distance RP to Track Rail	34.00000	3.2808399	111.54856
Track Rail to Measuring Line	0.30000	3.2808399	0.98425
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 2 Line	35.06700	3.2808399	115.04921
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 3 Line	36.13400	3.2808399	118.54987
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 4 Line	37.20100	3.2808399	122.05053
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 5 Line	38.26800	3.2808399	125.55118
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 6 Line	39.33500	3.2808399	129.05184
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 7 Line	40.40200	3.2808399	132.55249
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 8 Line	41.46900	3.2808399	136.05315
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Outside Lane Line	42.53600	3.2808399	139.55381
Additional Surfacing	0.20300	3.2808399	0.66601
Distance RP to Edge of Surfacing	42.73900	3.2808399	140.21982
Large Radius Turns			
Distance RP to Slot Drain	51.36300	3.2808399	168.51378
Distance RP to Track Rail	51.54300	3.2808399	169.10433
Track Rail to Measuring Line	0.30000	3.2808399	0.98425
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 2 Line	52.61000	3.2808399	172.60499
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 3 Line	53.67700	3.2808399	176.10564
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 4 Line	54.74400	3.2808399	179.60630
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 5 Line	55.81100	3.2808399	183.10696
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 6 Line	56.87800	3.2808399	186.60761
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 7 Line	57.94500	3.2808399	190.10827
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Lane 8 Line	59.01200	3.2808399	193.60892
Lane Width	1.06700	3.2808399	3.50066
Distance RP to Outside Lane Line	60.07900	3.2808399	197.10958
Additional Surfacing	0.20300	3.2808399	0.66601
Distance RP to Edge of Surfacing	60.28200	3.2808399	197.77559

LAYOUT CONTROL NOTES

1. THE WORK SHALL BE PERFORMED IN A MANNER RESULTING IN A FULLY COMPLIANT NCAA TRACK AND FIELD AND SOCCER FACILITY AS REGARDS ALL NEW WORK. THE CONTRACTOR ACKNOWLEDGES AN UNDERSTANDING OF THE PUBLISHED RULES AND REGULATIONS ASSOCIATED WITH THESE PROGRAMS.
2. THE CONTRACTOR WILL UTILIZE ONLY THE APPROVED ELECTRONIC, DIGITAL LAYOUT PLANS AND A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF OREGON FOR THE LAYOUT OF THE PRIMARY GEOMETRY OF THE WORK INCLUDING BUT NOT LIMITED TO;
   - DOUBLE–BEND TRACK RADIUS POINTS
   - SLOT DRAIN CENTERLINE AND CONCRETE ENCASEMENT
   - TRACK 400M MEASURING LINE
   - TRACK OUTSIDE CURB, INSIDE FACE AND RUBBERIZED SURFACING TERMINATION
   - TRACK STRIPING EVENT MARKINGS LAYOUT
   - WET–SEALED AND SIGNED TRACK CERTIFICATION
3. CERTAIN COMPONENTS OF THE WORK MAY REQUIRE ADJUSTMENTS TO THE DIGITAL LAYOUT DEPENDING ON THE APPROVED MANUFACTURER – FABRICATOR OF A PRE–ENGINEERED EMBEDDED COMPONENT SUCH AS THE STEEPLECHASE WATER JUMP FORM.
4. IAAF AND NCAA DIVISION 1 TRACK & FIELD FACILITIES ARE COMMONLY DESIGNED TO COMPLY WITH VERY SPECIFIC DIMENSIONING REQUIREMENTS THAT ARE DEFINED BY THE VARIOUS REFERENCE STANDARDS IN METRIC UNITS.
   - METRIC DIMENSIONS OVERRIDE ENGLISH UNITS.
   - CONVERSION FACTOR FROM METERS TO FEET IS 3.2808399
   - THE CONTRACTOR IS CAUTIONED TO AVOID ROUNDING ERRORS AND ACCUMULATED ERROR WHEN LAYING OUT THE WORK.
5. THE CONTRACTOR WILL BE PROVIDED WITH DIGITAL DATA IN AUTOCADD FORMAT (X,Y – HORIZONTAL DATA ONLY) FOR THE IMPROVEMENTS IDENTIFIED ON ALL PLAN SHEETS FOLLOWING APPROVAL OF THE LICENSED SURVEYOR PERFORMING THE CONSTRUCTION LAYOUT.
6. THE LOCATION AND PLACEMENT OF ALL IMPROVEMENTS SHOULD BE CONSIDERED RELATIVE TO THE REFERENCE POINTS PROVIDED OR OTHER EXISTING AND PROPOSED FEATURES DESCRIBED.
7. DIMENSIONS AND COORDINATES PROVIDED TYPICALLY IDENTIFY THE FOLLOWING COMMON FEATURES.
   - FACE OF CURB
   - FACE OF WALL
   - CENTERLINE OF FENCE OR CENTER–POINT OF POST
   - CENTER–POINT OF CATCH BASIN
   - CORNER OF BUILDING, ENCLOSURE, OR OTHER STRUCTURE.
   - RADIUS POINT
   - POINT OF CURVATURE / POINT OF TANGENCY

Scale: = 1"=30'
0 30' 60'
(11x17 Double Scale)

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Seattle, Washington 98104
p. 206.285.0400
f. 206.285.0400

Drawn By: CPW, JS
Designed By: EJG
Checked By: EJG, RSH
Approved:
Director Decision Date: N.A.
First Submittal Date: 01-07-2015
Second Submittal Date: 01-27-2015
City Approval Date:
Rev 1 By:
Rev 2 By:
Rev 3 By:
As-Built

OREGON TECH TRACK AND SOCCER PROJECT

CONSTRUCTION DOCUMENTS

MAP NO. 38-09-00, TAX LOT 4900
3201 CAMPUS DRIVE, KLAMATH FALLS, OREGON
CITY PROJECT NO. OIT-270-P-13-17

VERIFY SCALES
ORIGINAL DRAWING SHOWS ONE INCH ON
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REGISTERED LANDSCAPE ARCHITECT
548
ROBERT HARDING
OREGON
05/31/15

SHEET
F-6.1
FIELD & TRACK LAYOUT CONTROL PLAN

AUSLAND PROJECT NO: 14-0708

Drawing name: K:\Files\Current Project Files\Oregon Institute of Technology\Drawings\F-0.1 OIT CURRENT 22x34.dwg
Plot Date: Jan 27, 2015 - 4:24pm