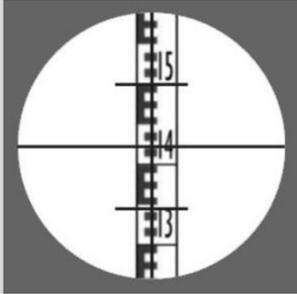


Unit 5
Inspector Survey



Unit 5 Topics

- Understand basic slope references
- Read construction stakes
- Review survey specifications



SP305 - Construction Survey Work

For all new Projects the Survey Requirements that were in the Special Provisions are now in the *Construction Surveying Manual for Contractors*.

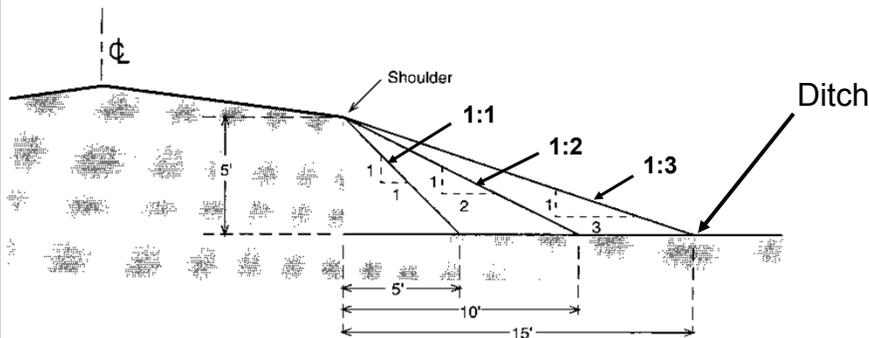
This is available at:

<http://www.oregon.gov/ODOT/HWY/GEOMETRONICS/Pages/documents.aspx>



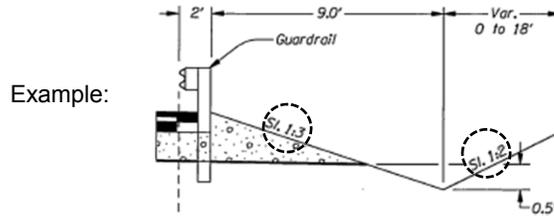
Side Slope Ratios and Distances

Ratio of vertical units to horizontal or "rise" vs. "run"



Side Slopes

Side Slopes are typically Rise compared to Run expressed as Rise:Run (Vertical to Horizontal)(e.g., 1:3); the format of side slopes will be noted in the plans.

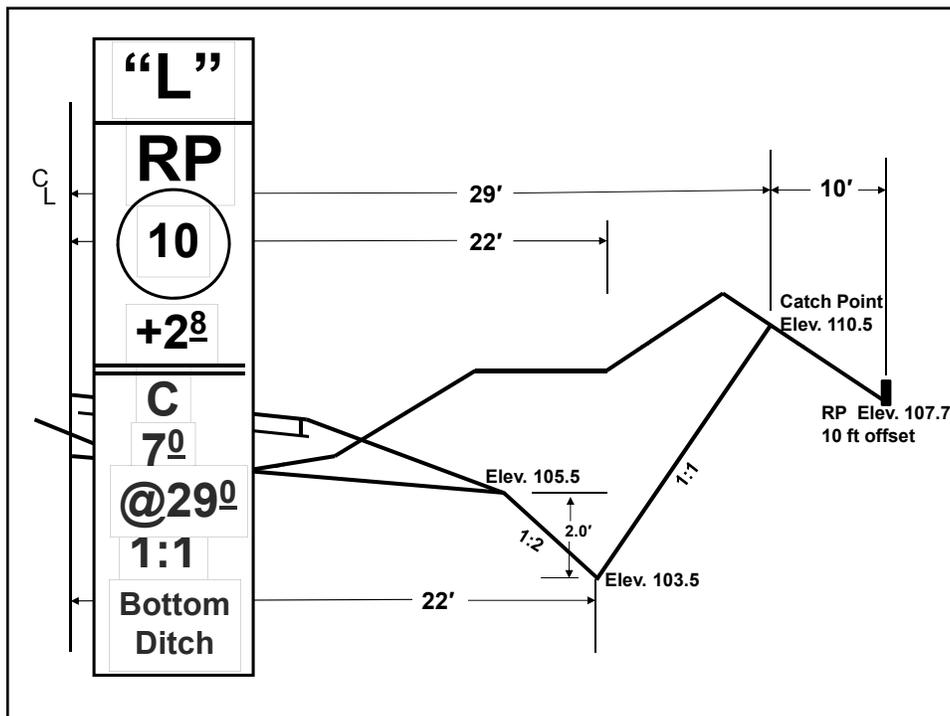
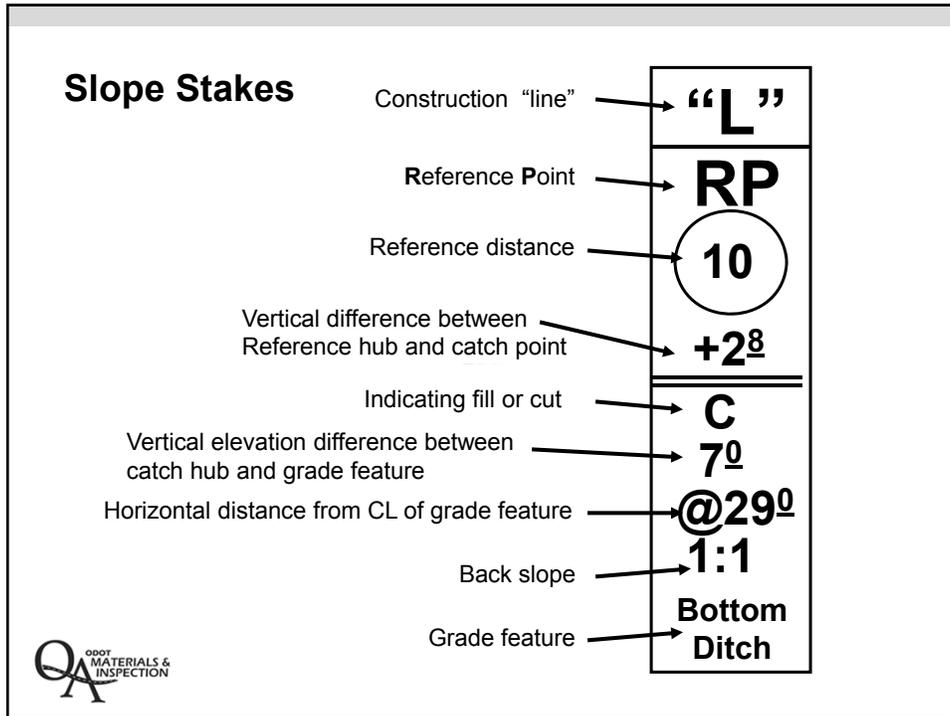


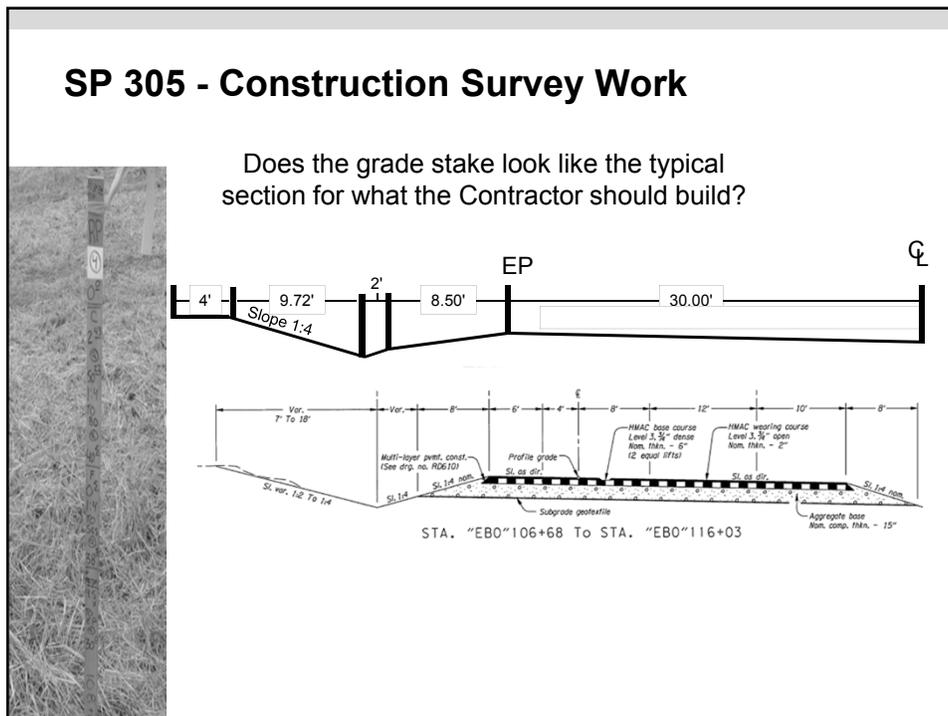
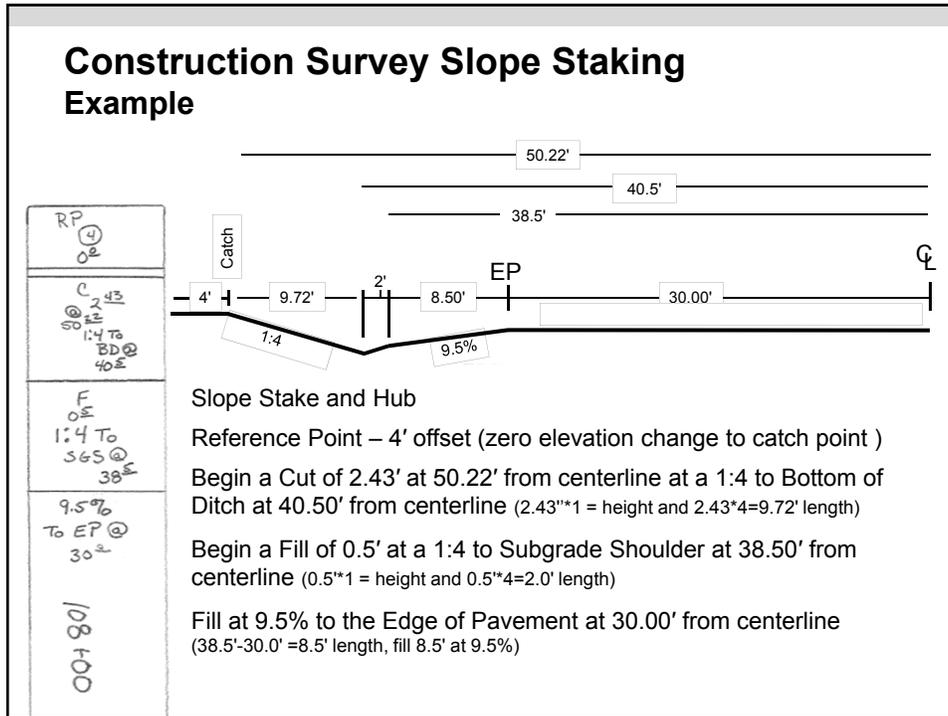
NOTE:
1. Side slopes are shown as vert. to horiz.



Reading Construction Stakes







00305.80 – Measurement

No measurement of quantities will be made for construction survey work.

00305.90 – Payment

- Paid at lump sum.
- Includes all material, equipment, labor, and incidentals necessary to complete the Work .
- No additional payment for temporary protection and direction of traffic.
- No additional payment for preparing surveying documents.



Key Inspection Points

- Review survey stakes as they are being set
- Ask surveyor questions regarding protocol for staking and marking on slope stakes.
- Ask prime contractor to manage surveyor sub-contractor

