

STUDENT CHECK-OFF SHEET 1

Student Name: _____
Print

Instructor's Name: _____
Print

Instructor's Signature: _____


. Instructor: mark only those items exhibited correctly..

Surveying Ethics and Safety Precautions

- Explain Alabama Right of Entry Law
- Identify and wear appropriate high visibility safety gear
- Correctly demonstrate safety procedures of roadside operations
- Explain the appropriate safety equipment for construction sites

Equipment Identification

- Total Station
- Tripod
- Prism Poles
- Control Point Markers
- Construction Stakes and Flags
- Maps and Property Diagrams

***Student must score at least 8  to complete this lab station.* (80%)**



STUDENT CHECK-OFF SHEET 2

Student Name: _____
Print

Instructor's Name: _____
Print

Instructor's Signature: _____


. Instructor: mark only those items exhibited correctly..

Total Station Setup

- Extend legs to appropriate height for the instrument operator.
- Unstrap legs and place feet equally apart
- Place instrument on tripod and attach with screw.
- Plumb instrument over control point.
- Adjust legs to get instrument level.
- Fine tune level with footscrews.
- Check plumb and adjust by moving instrument on tripod head

Creating a Traverse

- Choose locations that provide good visibility and accessibility.
- Ensure control points are distributed evenly across the area.
- Select points with stable and long-term visibility
- Pound a stake into the ground at three calculated locations.
- Ensure each stake is securely anchored and vertically aligned.
- Label the stakes with name or designation of the reference point.

***Student must receive at least
11  to complete this lab
station.* (80%)**



STUDENT CHECK-OFF SHEET 3


Student Name: _____
Print

Instructor's Name: _____
Print

Instructor's Signature: _____

. Instructor: mark only those items exhibited correctly..

- Set up the total station correctly
- Calibrate total station
- Record accurate angle measurements.
- Point out topographic features in the lab area.
- Discuss how to shoot the features in order to properly draw the contours.
- Discuss triangulation and how contour lines are created in CADD.
- Safety precautions are followed

Student must receive at least 6  to complete this lab station.
(80%)



STUDENT CHECK-OFF SHEET 4

Student Name: _____
Print

Instructor's Name: _____
Print

Instructor's Signature: _____

. Instructor: mark only those items exhibited correctly..

- 1. Set a control point based on construction design plans
- 2. Set up the total station on the control point
- 3. Identify and stake four corners of the building
- 4. Identify and stake necessary offset points
- 5. Confirm angles and distances according to design plans

***Student must receive at least 4  to complete this lab station.* (80%)**

