

## Civil Engineering Drawing and Design

### **CHECKLIST FOR EXISTING CONDITIONS SURVEY Assignment #4.1**

**DATE STARTED: 10/22/08**

**DUE DATE:**

**DATE COMPLETED:** \_\_\_\_\_

#### **PROJECT DESCRIPTION:**

As a group, you are to use the data given to draw an existing conditions land survey

#### **GRADING CRITERIA**

#### **DRAWING**

- Place the drawing on "D" size paper at an appropriate scale.
- Topo points labeled
- Contour lines at 1' increment
- All elevations rounded to ..00'
- All lateral distances rounded to 0.00'
- All angles rounded to 0°00'00"
- Property line properly drawn and annotated
- Existing road properly drawn and annotated.
- Road survey data to be placed in a table on the sheet margin
- Utilities properly drawn and annotated
  - Underground – water, san. Sewer
  - Aboveground – electric, telephone, CATV
- Photo location Indicators

#### **SHEET SETUP**

- Utility contact information
- Property description
- Legend
- General notes
- Vicinity map
- Title bar properly filled out
- Graphic scale
- North Arrow
- Site photographs

#### **Factors to be considered in the evaluation of this assignment include:**

- Quality of workmanship.
- Application of appropriate construction techniques.
- Quality of line type, lettering and correct drafting skills.
- Any project turned in late will have ten percent of the possible score deducted for each business day it is late.

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### ASSIGNMENT: 4-1

#### Rating Scale for Evaluation of Existing Conditions Drawing

Directions: Rate the plan for each of the following characteristics. Place the score in the column on the right. Total the score.

	7 or more errors	3-5 errors	No errors	Rating
<b>Quality of Workmanship</b>				<b>50</b>
Accuracy (All lines are in correct location and parts are sized properly)	1	3	5	
Line weight (thickness)	1	3	5	
Line type (pattern)	1	3	5	
Text size	1	3	5	
Text location	1	3	5	
Dimension accuracy (all dimensions are in place and accurate)	1	3	5	
Dimension Style (arrowheads, dim scale, dim spacing)	1	3	5	
Dimension location (dimensions are located properly)	1	3	5	
Title block information (all title information is complete)	1	3	5	
Scale & centering (drawing is proper scale and centered in sheet)	1	3	5	
<b>Assignment Specific Items</b>				<b>70</b>
Roadbed – Width	1	3	5	
• Elevation	1	3	5	
Contour Lines interval @1'	1	3	5	
Property line	1	3	5	
Road alignment data table	1	3	5	
Water, Gas San. Sewer utilities indicated	1	3	5	
Electric, Telephone, CATV utilities indicated	1	3	5	
Utility contact	1	3	5	
Property Description	1	3	5	
Legend	1	3	5	
General Notes	1	3	5	
Vicinity Map	1	3	5	
Graphic Scale	1	3	5	
North Arrow	1	3	5	
<b>Total Score x 2</b>				

Deducts for poor work ethic \_\_\_\_\_

**Grade** \_\_\_\_\_