2020 Missouri LICA Drainage Workshop

Designing & Installing Subsurface Agricultural Drainage Systems

February 12-14, 2020 Macon Comfort Inn • Macon, MO

WEDNESDAY, FEBRUARY 12

Noon	Registration	11:15am	Planning Considerations (Section
1:00pm	Welcome and Introductions		 The importance of an On-S
1:15pm	Introduction to Drainage Water Management (Section 1)		Evaluation of Soil PropertieWetland DeterminationWeb Soil Survey
1:30pm	MU Drainage and Sub-irrigation (MUDS)	12:00nm	•
	Research Update (Section 2 & 3)	•	Lunch Provided
2:30pm	Water Movement in Soils (Section 4)	1:00pm	Class Problem 5 – System Desig (Section 8)
	Processes and TerminologyImportant Soil Properties	2:30pm	Class Problem 5 – Review & Disc
	Hydraulic Conductivity	3:00pm	Break
	 Soil Water Concepts 	3:15pm	TSP Provider Training (Section 6
3:15pm	Break	3:45pm	Class Problem 6 (Section 8)
3:30pm	Engineering Standards and Specs (Section 5)	·	Field Topographic MapSoils, Other Information, Web
	Planning Considerations		Survey
	(Section 6)	5:00pm	Adjourn for the day
	Needs: Surface or Subsurface	FRIDAY	FERRILARY 14

Drainage, Water Table Management, or Nutrient Management System Layout & Outlet Locations

Utilities Determination - One-Call

Subsurface Drain Design, Pipe Capacity

 Class Problem 1, Using Design Tables and Standards (Section 8)

5:00pm Adjourn for the day

THURSDAY, FEBRUARY 13

8:00am	Class Problem 2 & 3 - Using Design Tables and Standards (Section 8)	1:00
8:45am	Lateral Design (Section 6)	
9:15am	Making a Topographic Map from Survey Points (Section 7)	3:00
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9:45am Break

10:00am Class Problem 4 (Section 8)

THURSDAY, FEBRUARY 13 (Cont.)

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Site es

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FRIDAY, FEBRUARY 14

8:00am	Pipe Installation Considerations (Section 9)
8:30am	Continue work on Design Problem 6
9:45am	Break
10:00am	Presentation and Summary of Problem 6 Drainage Design
11:00am	Nitrogen Treatment for Drainage Systems (Section 3)

12:00pm Lunch Provided

Contractor/Industry/Farmer/University

Panel Discussion

Final Questions, Summary & Evaluation

0pm Adjourn

Post Workshop Tour of Holistic Drainage

Water Recycling Project at Grace Greenley Farm in Novelty, MO