

FARM PRODUCTION AND CONSER FSA | NRCS | RMA | Busines

On-Site Engineering Assessment NRCS ENGINEERS

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Example to the example



What Now?

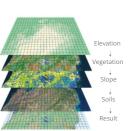
FARM PRODUCTION AND CONSERVATION

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 Information is still needed for engineering to complete a concept and determine feasibility of alternatives



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Planning Information Needed

- Soils investigation (Soil scientist)
 - Sedimentation depths / Depth to Bt (Playas)
 - Depth to sand (Wet Meadows & River Sloughs)
 - Depth to clay lenses (Wetland Meadows & River Sloughs)
 - Depth to ground water (Wet Meadows & River Sloughs)
 - Wetland delineation (Borrow or spoil areas)
 Technical soils investigation separate from Food Security Act &
 Certified Wetland Determinations

Planning Information Needed

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- Biological goals (NRCS Team Lead, Ducks Unlimited, FWS, NGPC, PF, ...)
 - Wetland Complex / Type / Historical Function
 Restoring vegetation
 Tree & brush removal
 - Inundation depths, hydroperiods, saturated vs inundated areas
 - Restoring or enhancing hydrology

Re-visit Engineering Evaluation

GIS

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- Aerials & LiDAR + Soils
- Hydrologic data
 - Water budgets (spreadsheets, SPAW, EFH-2, WETS Tables)
- Hydraulic analysis

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 USGS stream gauge data, HEC-RAS, Mannings Eqn, Groundwater

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