

Colorado Practice Documentation Requirements Checklist for 464 – Irrigation Land Leveling

Minimum documentation requirements for this practice are outlined below. Documentation for associated practices or system components shall follow the appropriate practice documentation requirements for those practices or components. Some items may not be applicable in all cases; mark "N/A" in the check box if such is the case.

Participant Name:	Address:
Project Name & Location:	

✓	By:	Date:
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RESOURCE INVENTORY & DESIGN INVESTIGATIONS

Purpose and objectives of practice clearly identified.			
Soils identified (soil map, description, properties, etc.).			
Location of underground utilities.			
NRCS-CPA-52, Env. Effects Worksheet, & CO-SSC-1, Cult. Res. Survey Form, completed.			
Right of way easements, utility clearances, SHPO clearance, and applicable State and Federal permits are obtained.			
CO-ENG-13, Notice of Participant Responsibilities, has been reviewed with the cooperator, signed, and filed.			

DESIGN SURVEY

Field boundaries located.			
Grid survey as needed.			
Water source location & elevation.			
Determine possible borrow or spoil areas, if needed.			
Benchmark determined and located.			

DESIGN

Engineering Job Class determined and noted.			
Soils limitations, if any, determined.			
Method of irrigation and direction of irrigation determined.			
Planned grades and length of run determined.			
Compaction shrink factor determined.			
Volume of cut and fill determined.			
Area to be leveled.			
Cost estimate.			
Records indicating that NRCS obligations regarding State and Federal regulations have			

been met. Participant(s) have applied for all permits and cleared water rights issues.			
Design computations have been checked by the appropriate person(s).			

PLANS AND SPECIFICATIONS

Computer-generated or hand-drawn construction drawings drawn on appropriately-sized standard drawing sheets. Drawings and/or specifications to include the following:			
• Engineering Job Class.			
• Location map or description.			
• Boundary of area to be leveled.			
• Benchmark location & elevation.			
• Plan view of area showing cuts & fills.			
• Location & elevation of water source.			
• Special requirements for waste and/or borrow material.			
• Special requirements for over-excavation, top soil salvaging, etc.			
• Construction notes and General notes as required.			
• Note on drawings to call the Utility Notification Center of Colorado (UNCC), 8-1-1 or 1-800-922-1987, prior to any excavation.			
Construction specifications prepared (Colorado FOTG Practice Specifications or other).			
All engineering reports, designs, drawings, specifications, and related information have been reviewed and checked by appropriate personnel in accordance with current Colorado NRCS policy.			
Construction drawings and specifications have been approved and drawings signed.			
O&M Plans prepared.			
Plans, specifications, and O&M plans have been reviewed with the cooperator.			
Preconstruction meeting with cooperator and contractor.			

CONSTRUCTION LAYOUT SURVEYS

Grid stakes set and marked with cuts & fills.			

COMPLIANCE CHECKS & FINAL DOCUMENTATION

Survey of a sufficient portion of the finished field to verify that final grades and elevations are satisfactory and in conformance with the design.			
UNCC (Utility Notification) ticket number has been recorded.			
Construction inspection reports recorded.			
Changes in design are noted and approved by the landowner and the designer, and proper engineering review/approval is obtained.			
“As-Built” plans prepared and filed (Required if significant changes in design occur during construction and for Job Class V and above). If no significant changes, mark original plans “As-Built”.			
Practice completion certified on CO-ENG-1, CO-ENG-12, or checkout notes.			
Progress reported.			