

## SECTION IV

## PRACTICE STANDARDS AND SPECIFICATIONS

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**Conservation Practice Standards and Specifications**

This table of contents is a record of NRCS conservation practices applicable to all NRCS technical assistance. The standards and specifications maintained in Section IV of eFOTG contain the official conservation practice standards for Nebraska. Whenever unusual site conditions not covered by these standards, specifications, design procedures, or operation & maintenance occur, site specific designs and/or specifications will be developed. In the following Table of Contents, in addition to the standard for each applicable practice:

- The letter "S" = Specification
- The letter "M" = Operation and Maintenance
- The letters "DP" = Design Procedures
- The letters "TPP" = Tree Planting Procedures

**Associated Documents, Jobsheets and Tools**

Documents such as jobsheets, practice documentation requirements, statements of work, Nebraska Planning Sheets, tools, outside references that are associated with a given standard can be found in eFOTG under the conservation practice standard folder.

**Classification of Conservation Practices for Cultural Resources Review**

A symbol indicates if application of the practice must be reviewed (+), generally is not reviewed (-), or if limited aspects of it are to be reviewed (✓) for purposes of complying with requirements of the National Historic Preservation Act, as amended. Practices are classified; specifications are not classified.

If a practice listed in the standards and specifications is not listed here, the Cultural Resources Specialist (CRS) should be contacted for guidance about whether or not installation of the practice should be reviewed regarding potential effects on cultural resources.

The CRS should be contacted during planning to assist in determining if a cultural resources review may be necessary for any listed practice whenever unusual site conditions not covered by standards and specifications occur, or special designs and (or) specifications are needed.

Practice Name and Unit	Code	Cultural Resources Review			Issue Date	Date of Last Review	Responsible Staff
		Status	Comments				
Access Road (Ft)	560	+			7/02	7/02	Engr
Amendments for Treatment of Agricultural Waste	591	-			7/06	7/06	Engr
Anaerobic Digester - Ambient Temperature	365	+			12/03	12/03	Engr
Anaerobic Digester - Controlled Temperature	366	+			12/03	12/03	Engr
Anionic Polyacrylamide (PAM) Erosion Control (Ac)	450	-			10/01	10/01	Engr
	S450				10/01	10/01	Engr

Practice Name and Unit	Cultural Resources Review			Issue Date	Date of Last Review	Responsible Staff
	Code	Status	Comments			
Brush Management (Ac)	314	+		10/07	10/07	Range
	314DP			10/07	10/07	Range
Channel Bank Vegetation (Ac)	322	-		09/06	7/02	Agron
Clearing and Snagging (Ft)	326	✓	Review debris burial	2/01	2/01	Engr
Closure of Waste Impoundments (No)	360	✓	Review fill source if not previously disturbed	10/01	10/01	Engr
Conservation Crop Rotation (Ac)	328	-		7/02	7/02	Agron
Contour Buffer Strips (Ac)	332	-		9/07	9/07	Agron
Contour Farming (Ac)	330	-		9/07	9/07	Agron
Conservation Cover (Ac)	327	-		9/07	9/07	Agron
Cover Crop (Ac)	340	-		9/07	9/07	Agron
Critical Area Planting (Ac)	342	✓	Review shaping	8/02	8/02	Agron
	342DP			8/02	8/02	Agron
Cross Wind Ridges (Ac)	589A	-		1/07	1/07	Agron
Cross Wind Trap Strips (Ac)	589C	-		1/07	1/07	Agron
Dam, Diversion (Ft)	348	+		6/76	7/02	Engr
Dam, Floodwater Retarding (No. and Ac/Ft)	402	+		4/80	7/02	Engr
Dam, Multiple Purpose (No)	349	+		4/77	7/02	Engr
Deep Tillage (Ac)	324	+		5/02	5/02	Agron
Dike (Ft)	356	+		7/02	7/02	Engr
Diversion (Ft)	362	+		4/80	7/02	Engr
	S-362			3/94	7/02	Engr
Dry Hydrant (Each)	432	+		7/02	7/02	Engr
Early Successional Habitat Development/ Management	647	-		7/03	7/03	Bio
	Disking	S-647a		9/04	9/04	Bio
	Low Density Seeding	S-647b		8/02	8/02	Bio
Fence (Ft)	382	✓	Review related ground disturbance	9/07	9/07	Range
	S-382			9/07	9/07	Range
Field Border (Ft)	386	✓	Review previously undisturbed area	1/07	1/07	Bio
	Bobwhite Quail Habitat	S-386a		1/07	1/07	Bio
	Appendix A			09/04	09/04	Bio
Appendix B			09/04	09/04	Bio	
Filter Strip (Ac)	393	✓	Review previously undisturbed area	9/06	9/06	Agron

Practice Name and Unit	Cultural Resources Review			Issue Date	Date of Last Review	Responsible Staff
	Code	Status	Comments			
	393DP			9/06	9/06	Agron
Firebreak (Ft)	394	+		7/07	7/07	Rng & For
	394DP			7/07	7/07	Rng & For
Fish Passage (Mi)	396	+		9/07	9/07	Bio
	396DP			9/07	9/07	Bio
Fishpond Management (Ac)	399	-		9/07	9/07	Bio
	399DP			9/07	9/07	Bio
Forage Harvest Management (Ac)	511	-		10/98	10/98	Range
	S-511			10/98	10/98	Range
Forest Stand Improvement	666	✓	Review soil disturbance in previously undisturbed areas	8/02	8/02	For
	666DP			8/02	8/02	For
Grade Stabilization Structure (No)	410	+		4/02	7/02	Engr
	M-410			2/01	7/02	Engr
Grassed Waterway (Ac)	412	+		8/02	8/02	Engr/Agron
	S-412			8/02	8/02	Engr/Agron
	M-412			8/02	8/02	Engr/Agron
Herbaceous Wind Barriers (Ft)	603	+		1/07	1/07	Agron
Irrigation Canal or Lateral (Ft)	320	+		10/06	10/06	Engr
	S-320			10/06	10/06	Engr/Agron
	M-320			10/06	10/06	Engr
Irrigation Field Ditch (Ft)	388	+		10/06	10/06	Engr
	S-388			10/06	10/06	Engr/Agron
	M-388			10/06	10/06	Engr
Irrigation Land Leveling (Ac)	464	+		4/02	4/02	Engr
	S-464			5/02	5/02	Engr
	M-464			5/02	5/02	Engr
Irrigation Regulating Reservoir (No)	552	+		9/05	9/05	Engr
	M-552			9/05	9/05	Engr
Irrigation Storage Reservoir (No. and Ac/Ft)	436	+		11/05	11/05	Engr
	M-436			11/05	11/05	Engr
Irrigation System Micro Irrigation (No. and Ac)	441	-		11/06	11/06	Engr
	S-441			7/02	11/06	Engr

Practice Name and Unit	Cultural Resources Review			Issue Date	Date of Last Review	Responsible Staff
	Code	Status	Comments			
	M-441			7/02	11/06	Engr
Irrigation System (No & Ac) Sprinkler	442	✓	Review previously undisturbed area	3/05	3/05	Engr
	S-442			11/05	11/05	Engr
	M-442			11/05	11/05	Engr
Irrigation System (No. and Ac) Surface and Subsurface	443	✓	Review previously undisturbed area	3/95	7/02	Engr
Irrigation System, Tailwater Recovery (No)	447	+		8/02	8/02	Engr
	M-447			8/02	8/02	Engr
Irrigation Water Conveyance (Ft) Ditch and Canal Lining, Plain Concrete	428-A	-		10/06	10/06	Engr
	S-428-A			10/06	10/06	Engr
	M-428-A			10/06	10/06	Engr
Irrigation Water Conveyance Pipeline (Ft) Nonreinforced Concrete	430-CC	+		3/81	7/02	Engr
	S-430-CC			3/81	7/02	Engr
Irrigation Water Conveyance Pipeline (Ft) High-Pressure, Underground Plastic Pipeline	430-DD	+		8/02	8/02	Engr
	S-430-DD			7/06	7/06	Engr
Irrigation Water Conveyance Pipeline (Ft) Low-Pressure, Underground Plastic Pipeline	430-EE	+		7/02	7/02	Engr
	S-430-EE			4/87	7/02	Engr
Irrigation Water Conveyance Pipeline (Ft) Steel	430-FF	+		3/81	7/02	Engr
	S-430-FF			3/81	7/02	Engr
(applies to all types of pipeline)	M-430			7/02	7/02	Engr
Irrigation Water Management (Ac)	449	-		3/05	3/05	Engr
Lined Waterway or Outlet (Ft)	468	✓	Review related ground disturbance	4/80	7/02	Engr
	S-468			4/80	7/02	Engr
Manure Transfer	634	+		7/06	7/06	Engr
Mulching (Ac)	484	-		7/02	7/02	Agron
Nutrient Management (Ac)	590	-		12/00	12/00	Agron
Appendix A				4/07	4/07	Agron
Appendix B				12/00	12/00	Agron

Practice Name and Unit	Cultural Resources Review			Issue Date	Date of Last Review	Responsible Staff
	Code	Status	Comments			
Obstruction Removal (Ac)	500	+		7/02	7/02	Engr
Open Channel (Ft)	582	+		4/80	7/02	Engr
Pasture and Hay Planting (Ac)	512	-		4/98	4/98	Range
	S-512			9/04	9/04	Range
Pest Management (Ac)	595	-		09/04	09/04	Agron
	Appendix A			09/04	09/04	Agron
Pipeline (Ft)	516	+		7/03	7/03	Engr
	S-516			4/94	7/02	Engr
	M-516			7/02	7/02	Engr
Pond (No)	378	+		1/95	7/02	Engr
	M-378			1/95	7/02	Engr
Pond Sealing or Lining (No)						
Bentonite Sealant	521-C	-		4/80	7/02	Engr
	S-521-C			4/80	7/02	Engr
Pond Sealing or Lining (No)						
Compacted Clay Treatment	521-D	✓	Review location of clay if non-commercial	5/06	5/06	Engr
Pond Sealing or Lining (No)						
Flexible Membrane	521-A	-		8/00	8/00	Engr
Pond Sealing or Lining (No)						
Soil Dispersant	521-B	-		4/80	7/02	Engr
	S-521-B			4/80	7/02	Engr
Prescribed Burning (Ac)	338	✓	Review related ground disturbance	12/00	12/00	Range & For
Prescribed Grazing (Ac)	528	-		4/05	4/05	Range
	528 DP			8/06	8/06	Range
	Appendix A, Exhibit A, B & C			8/06	8/06	Range
Pumping Plant (No)	533	+		9/05	9/05	Engr
	S-533			9/05	9/05	Engr
	M-533			9/05	9/05	Engr
Range Planting (Ac)	550	-		4/98	4/98	Range
	S-550			10/98	10/98	Range
	Herbaceous Vegetation Installation Procedures	550DP		10/07	10/07	Range
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (Ac)	329	-		9/06	9/06	Agron

Practice Name and Unit	Cultural Resources Review			Issue Date	Date of Last Review	Responsible Staff
	Code	Status	Comments			
Residue and Tillage Management, Mulch Till (Ac)	345	-		9/06	9/06	Agron
Residue and Tillage Management, Ridge Till (Ac)	346	-		9/06	9/06	Agron
Residue Management, Seasonal (Ac)	344	-		9/06	9/06	Agron
Restoration and Management of Declining Habitats (Ac)	643	✓	Review mechanical removal or burial of woody vegetation	10/98	10/98	Bio
	S-643			1/99	1/99	Bio
Riparian Forest Buffer (Ac)	391	✓	Review mechanical removal or burial of woody vegetation	10/07	10/07	For
	391DP			10/07	10/07	For
Appendix A				9/07	9/07	For
Riparian Herbaceous Cover (Ac)	390	✓	Review related ground disturbance	9/07	9/07	Bio
	390DP			9/07	9/07	Bio
Appendix A				9/07	9/07	Bio
Appendix B				4/05	4/05	Bio
Row Arrangement (Ac)	557	-		3/92	7/02	Engr
Salinity and Sodic Soil Management (Ac)	610	+		9/06	7/01	Agron
Sediment Basin (No)	350	+		8/02	8/02	Engr
Solid/Liquid Waste Separation Facility	632	+		7/06	7/06	Engr
Spring Development (No)	574	+		10/02	10/02	Engr
	S-574			4/80	7/02	Engr
Streambank and Shoreline Protection (Ft)	580	+		1/07	1/07	Engr
Stream Channel Stabilization (Ft)	584	+		4/76	7/02	Engr
	S-584			4/76	7/02	Engr
Stream Habitat Improvement and Management (Ac)	395	+		9/07	9/07	Bio
Stripcropping (Ac)	585	-		1/07	1/07	Agron
Structure for Water Control (No)	587	+		4/83	7/02	Engr
Subsurface Drain (Ft)	606	+		4/80	7/02	Engr
	S-606			4/80	7/02	Engr
Surface Drainage Field Ditch (Ft)	607	+		4/80	7/02	Engr
	S-607			4/80	7/02	Engr
Surface Drainage Main or Lateral (Ft)	608	+		4/80	7/02	Engr
	S-608			4/80	7/02	Engr
Surface Roughening (Ac)	609	-		7/02	7/02	Agron

Practice Name and Unit	Cultural Resources Review			Issue Date	Date of Last Review	Responsible Staff
	Code	Status	Comments			
Terrace (Ft)	600	+		4/88	7/02	Engr
	S-600			7/91	7/02	Engr
	M-600			7/02	7/02	Engr
Tree/Shrub Establishment (Ac)	612	✓	Review historically treeless areas	2/03	2/03	For
	612DP			8/02	8/02	For
Tree/Shrub Pruning	660	-		8/02	8/02	For
	660DP			8/02	8/02	For
Underground Outlet (Ft)	620	+		10/91	7/02	Engr
	S-620			4/86	7/02	Engr
	M-620			6/93	7/02	Engr
Upland Wildlife Habitat Mgt. (Ac)	645	✓	Review associated ground disturbance	7/02	7/02	Bio
	Wildlife Food Plot	S-645a		7/03	7/03	Bio
Use Exclusion (Ac)	472	-		1/07	1/07	For
Waste Facility Cover	367	-		12/03	12/03	Engr
Waste Storage Facility (No)	313	+		5/06	5/06	Engr
Waste Treatment Lagoon (No)	359	+		7/02	7/02	Engr
Waste Utilization (Ac)	633	-		7/02	7/02	Agron
Wastewater Treatment Strip	635	-		7/06	7/06	Engr
Watering Facility	614	+		8/02	8/02	Engr
	S-614			8/02	8/2	Engr
Water and Sediment Control Basin (No)	638	+		4/87	5/02	Engr
Water-Harvesting Catchment (No)	636	+		7/02	7/02	Engr
Waterspreading (Ac)	640	✓	Review associated ground disturbance	4/87	7/02	Engr
	M-640			7/02	7/02	Engr
Water Well (No)	642	+		7/02	7/02	Engr
Well Decommissioning (No)	351	✓	Review any remaining original above-ground structures	7/02	7/02	Engr
Wetland Restoration (Ac)	657	✓	Review pre-Modern sediment to be disturbed	2/01	2/01	Bio/Engr
Wetland Creation (Ac)	658	✓	Review pre-Modern sediment to be disturbed	2/01	2/01	Bio/Engr

Cultural Resources Review				Issue Date	Date of Last Review	Responsible Staff
Practice Name and Unit	Code	Status	Comments			
Wetland Enhancement	659	✓	Review pre-Modern sediment to be disturbed	7/00	7/00	Bio/Engr
Wetland Wildlife Habitat Mgt. (Ac)	644	-		5/02	5/02	Bio
Windbreak Renovation (Ac)	650	✓	Review removal and planting in previously treeless areas	7/94	7/02	For
Windbreak/Shelterbelt Establishment (Ft)	380	✓	Review removal and planting in previously treeless areas	10/01	6/06	For
	380 DP			6/06	6/06	For
Tree/Shrub Planting Procedures	380 TPP			10/06	10/06	For
Agron - State Conservation Agronomist						
Bio - State Wildlife Biologist						
Engr - State Conservation Engineer						
For - State Forester						
Range - State Range Management Specialist						

**SECTION IV**

**NUMERICAL CROSS REFERENCE FOR**

**PRACTICE STANDARDS AND SPECIFICATIONS**

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This table of contents is a numerical cross reference of NRCS conservation practices applicable to all programs for which NRCS has technical responsibility. The standards and specifications maintained in this Technical Guide are the official copies for all conservation practices currently in effect in the field office. They will be used in all technical assistance provided by NRCS. Whenever unusual site conditions not covered by these standards and specifications occur, special designs and/or specifications will be developed.

<b>Code</b>	<b>Practice Name and Unit</b>
313	Waste Storage Facility (No)
314	Brush Management (Ac)
320	Irrigation Canal or Lateral (Ft)
322	Channel Bank Vegetation (Ac)
324	Deep Tillage (Ac)
326	Clearing and Snagging (Ft)
327	Conservation Cover (Ac)
328	Conservation Crop Rotation (Ac)
329	Residue and Tillage Management, No-Till/Strip Till/Direct Seed (Ac)
330	Contour Farming (Ac)
332	Contour Buffer Strips (Ac)
338	Prescribed Burning (Ac)
340	Cover Crop (Ac)
342	Critical Area Planting (Ac)
344	Residue Management, Seasonal (Ac)
345	Residue and Tillage Management, Mulch Till (Ac)
346	Residue and Tillage Management, Ridge Till (Ac)
348	Dam, Diversion (No)
349	Dam, Multiple Purpose (No)
350	Sediment Basin (No)
351	Well Decommissioning (No)
356	Dike (Ft)
359	Waste Treatment Lagoon (No)
360	Closure of Waste Impoundments (No)
362	Diversion (Ft)
365	Anaerobic Digester - Ambient Temperature

<b>Code</b>	<b>Practice Name and Unit</b>
366	Anaerobic Digester - Controlled Temperature
367	Waste Facility Cover
378	Pond (No)
380	Windbreak/Shelterbelt Establishment (Ft)
382	Fence (Ft)
386	Field Border (Ft)
388	Irrigation Field Ditch (Ft)
390	Riparian Herbaceous Cover (Ac)
391	Riparian Forest Buffer (Ac)
393	Filter Strip (Ac)
394	Firebreak (Ft)
395	Stream Habitat Improvement and Management (Ac)
396	Fish Passage (No)
399	Fishpond Management (Ac)
402	Dam, Floodwater Retarding (No. and Ac/Ft)
410	Grade Stabilization Structure (No)
412	Grassed Waterway (Ac)
428-A	Irrigation Water Conveyance (Ft), Ditch and Canal Lining, Plain Concrete
430-CC	Irrigation Water Conveyance Pipeline Nonreinforced Concrete (Ft)
430-DD	Irrigation Water Conveyance Pipeline High-Pressure, Underground Plastic Pipeline (Ft)
430-EE	Irrigation Water Conveyance Pipeline Low-Pressure, Underground Plastic Pipeline (Ft)
430-FF	Irrigation Water Conveyance Pipeline Steel (Ft)
432	Dry Hydrant (Each)
436	Irrigation Storage Reservoir (No. and Ac/Ft)
441	Irrigation System Micro Irrigation (No. and Ac)
442	Irrigation System Sprinkler (No. and Ac)
443	Irrigation System Surface and Subsurface (No. and Ac)
447	Irr. System, Tailwater recovery (No)
449	Irrigation Water Management (Ac)
450	Anionic Polyacrylamide (PAM) Erosion Control (Ac)
464	Irrigation Land Leveling (Ac)
468	Lined Waterway or Outlet (Ft)
472	Use Exclusion (Ac)
484	Mulching (Ac)
500	Obstruction Removal (Ac)
511	Forage Harvest Management (Ac)
512	Pasture and Hay Planting (Ac)
516	Pipeline (Ft)
521-A	Pond Sealing or Lining (No) Flexible Membrane
521-B	Pond Sealing or Lining (No) Soil Dispersant
521-C	Pond Sealing or Lining (No) Bentonite
521-D	Pond Sealing or Lining (No) Compacted Clay Treatment
528	Prescribed Grazing (Ac)

<b>Code</b>	<b>Practice Name and Unit</b>
533	Pumping Plant (No)
550	Range Planting (Ac)
552	Irrigation Regulating Reservoir (No)
557	Row Arrangement (Ac)
560	Access Road (Ft)
574	Spring Development (No)
580	Streambank and Shoreline Protection (Ft)
582	Open Channel (Ft)
584	Stream Channel Stabilization (Ft)
585	Stripcropping (Ac)
587	Structure for Water Control (No)
589A	Cross Wind Ridges (Ac)
589C	Cross Wind Trap Strips (Ac)
590	Nutrient Management (Ac)
591	Amendments for Treatment of Agricultural Waste
595	Pest Management (Ac)
600	Terrace (Ft)
603	Herbaceous Wind Barriers (Ft)
609	Surface Roughening (Ac)
610	Salinity and Sodic Soil Management Toxic (Ac)
612	Tree/Shrub Establishment (Ac)
614	Watering Facility (No)
620	Underground Outlet (Ft)
632	Solid/Liquid Waste Separation Facility (No)
633	Waste Utilization (Ac)
634	Manure Transfer (No)
635	Wastewater Treatment Strip (Ac)
636	Water-Harvesting Catchment (No)
638	Water and Sediment Control Basin (No)
640	Waterspreading (Ac)
642	Water Well (No)
643	Restoration and Management of Declining Habitats (Ac)
644	Wetland Wildlife Habitat Mgt. (Ac)
645	Upland Wildlife Habitat Mgt. (Ac)
647	Early Successional Habitat Development/Management
650	Windbreak Renovation (Ac)
657	Wetland Restoration (Ac)
658	Wetland Creation (Ac)
659	Wetland Enhancement (Ac)
660	Tree/Shrub Pruning (Ac)
666	Forest Stand Improvement (Ac)