

## MANAGEMENT SYSTEM TEMPLATE

### B. CONSERVATION MANAGEMENT SYSTEM OPTIONS WORKSHEET

1.	STATE	OK
2.	FIELD OFFICE	Anadarko, Chickasha, Pauls Valley
3.	MLRA	80A - Central Rolling Red Prairies
4.	COMMON RESOURCE AREA (CRA)	080A.40.009
5.	RESOURCE INTERPRETATIONS	<i>for each resource enter available interp data</i>
5.1	SOIL	
5.2	WATER	
5.3	AIR	
5.4	PLANT	
5.5	ANIMAL	
5.6	HUMAN	
6.	HYDROLOGIC UNIT	
7.	SYSTEM TEMPLATE LABEL	GILA / /
8.	SYSTEM NAME	Central Rolling Red Prairies Urban (Dense) (Bottomland)
9.	PLANNING PHASE	Benchmark, Alternative, Planned
10.	PLANNING LEVEL	Resource Management System
11.	NRCS LANDUSE	Urban
12.	PLANNED CONSERVATION PRACTICES	<i>list practices in the system</i>
		<ol style="list-style-type: none"> <li>1. 197 - Riparian Forest Buffer</li> <li>2. 342 - Critical Area Planting</li> <li>3. 350 - Sediment Basin</li> <li>4. 410 - Grade Stabilization Structure</li> <li>5. 460 - Land Clearing</li> <li>6. 466 - Land Smoothing</li> <li>7. 468 - Lined Waterway or Outlet</li> <li>8. 484 - Mulching</li> <li>9. 558 - Roof Runoff Management</li> <li>10. 561 - Heavy Use Area Protection</li> <li>11. 570 - Runoff Management System</li> <li>12. 580 - Streambank and Shoreline Protection</li> <li>13. 584 - Stream Channel Stabilization</li> <li>14. 590 - Nutrient Management</li> <li>15. 595 - Pest Management</li> <li>16. 612 - Tree/Shrub Establishment</li> <li>17. 638 - Water and Sediment Control Basin</li> <li>18. 660 - Tree/Shrub Pruning</li> </ol>
13.	SYSTEM NARRATIVE	<i>describe how the practices work together as a system</i>
		<p>The system involves highly managed bermudagrass and occasional cool-season grasses such as fescue, ryegrass or bluegrass, in densely populated developments (2.5 acres/home or less). Soil texture varies considerably, as does depth and exposure. Nutrient management activities are consistent with the needs of the vegetation. Pest management activities are consistent with recommended label directions. Critical area planting, mulching, tree/shrub establishment, sediment basin, grade stabilization structure, water and sediment control basin, and lined waterway or outlet are used to control soil erosion and reduce sediment loads in runoff water leaving construction areas. Roof runoff management, runoff management system, water and sediment control basin, stream channel stabilization, streambank and shoreline protection, riparian forest buffer, and critical area planting are used to control or manage the runoff water in a safe manner. Air quality is improved and health concerns of the population in and around construction areas is reduced with the appropriate vegetative cover practices.</p>

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
	1. Soil Erosion - Streambank	1. 5 Tons/Year	1. 95 Tons/Year; Improved management techniques and vegetative cover with a reduction in soil loss and an improvement in water quality.
	2. Soil Erosion - Construction Sites	2. 5 Tons/Acre/Year	2. 45 Tons/Acre/Year; Improvement in vegetative cover during construction with the aid of other structural practices; reduction in erosion rates, improved water quality due to less sediment.
	3. Soil Deposition - Damage Offsite	3. Sediment deposition is reduced due to improved vegetative cover and reduced erosion rates.	3. Reduction in sedimentation reduces offsite damage to drainage systems and water bodies; improvement in downstream water quality.
	4. Soil Deposition - Safety Offsite	4. Sediment deposition is reduced due to improved vegetative cover and reduced erosion rates.	4. Reduction in sedimentation reduces offsite safety hazards and decreases the potential for flooding.
	5. Water Quantity - Excess Amounts Runoff/Flooding	5. Roof runoff management and runoff management system applied.	5. Reduced flooding problems with management of the runoff.
	6. Water Quantity - Inadequate Outlets	6. Sediment controlled from construction sites and a runoff management system applied.	6. Reduced outlet problems with the proper application of a runoff management system.
	7. Water Quantity - Restricted Flow Capacity From Sediment Deposition (Offsite)	7. Decreased sediment loads from construction sites.	7. Flow capacity of drainage channels is maintained or improved.
	8. Water Quantity - Restricted Flow Capacity From Sediment Deposition (Water Bodies)	8. Decreased sediment loads from construction sites.	8. Storage capacity of downstream water bodies is maintained or improved.
	9. Water Quality - Surface Water Contaminates - Pesticides	9. Appropriate use of pesticides.	9. Improved downstream water quality.
	10. Water Quality - Surface Water Contaminates - Nutrients and Organics	10. Appropriate use of nutrients.	10. Improved downstream water quality.
	11. Water Quality - Surface Water Contaminates - Suspended Sediment and Turbidity	11. Reduced sediment yields with the reduction in erosion rates.	11. Improvement in water quality with less suspended sediment and turbidity.
	12. Air Quality - Health	12. Improvement in vegetative cover.	12. Reduced amounts of dust particles in the air improves air quality.
	13. Plants Management - Nutrient Management	13. Appropriate and timely use of nutrients.	13. Plant nutrient needs are met due to improved nutrient management practices.
	14. Plants Management - Pest (Brush, Weeds, Insects, Etc.)	14. Appropriate and timely use of pesticides.	14. Improved pest management activities.

15.	QUALITY CRITERIA DOCUMENTATION <i>list resource concerns then indicate yes/no</i>																													
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# Conservation Practice Physical Effects on Resource Concerns Candidate Practice List

State Oklahoma Field Office MLRA 080A.40.009  
Soil Interpretations Template Label GILA

Resource Concerns	Soil Erosion Streambank	Soil Erosion Construction Sites	Soil Deposition Damage Offsite	Soil Deposition Safety Offsite	Water Quantity Excess Amounts Runoff/Flooding	Water Quantity Inadequate Outlets	Water Quantity Restricted Flow Capacity from Sediment Deposition (Offsite)	Water Quantity Restricted Flow Capacity from Sediment Deposition (Water Bodies)	Water Quality Surface Water Contaminants Pesticides	Water Quality Surface Water Contaminants Nutrients and Organics	Water Quality Surface Water Contaminants Suspended Sediment and Turbidity	Air Quality Health	Plants Mgmt. Nutrient Management	Plants Mgmt. Pest (Brush, Woods, Insects, Etc.)
197	+	+	+	+	+	+	+	+	+	+	+	+	0	0
342	+	+	+	+	+	0	+	+	+	+	+	+	N/A	+
350	+	N/A	+	+	+	+	+	+	N/A	N/A	+	+	N/A	0
410	+	N/A	+	+	+	+	+	+	N/A	N/A	+	+	N/A	0
460	-	0	+	+	+	0	+	+	0	0	0	N/A	N/A	+
466	-	0	+	+	+	0	+	+	0	0	0	N/A	N/A	+
468	+	N/A	+	+	+	+	+	+	N/A	N/A	+	+	N/A	0
484	0	+	+	+	+	+	+	+	+	+	+	+	+	+
558	0	+	+	+	+	+	+	+	0	0	+	N/A	N/A	N/A
561	+	+	+	+	0	0	0	0	0	0	+	N/A	N/A	N/A
570	0	+	+	+	+	+	+	+	0	0	+	N/A	N/A	N/A
580	+	N/A	+	+	+	-	+	+	0	N/A	+	N/A	N/A	+
584	+	N/A	+	+	+	-	+	+	0	N/A	+	N/A	N/A	+
590	0	0	+	+	+	0	0	0	+	0	0	+	N/A	+
595	N/A	N/A	0	0	N/A	N/A	0	0	0	0	0	+	N/A	0
612	+	+	+	+	+	+	+	+	+	+	+	+	0	0
638	+	N/A	+	+	+	+	+	+	N/A	N/A	+	+	N/A	0
660	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

+ = Positive Effect      - = Negative Effect      0 = Negligible Effect      N/A = Not Applicable