



United States Department of Agriculture  
 Forest Service  
 Region 8 – Southern Region



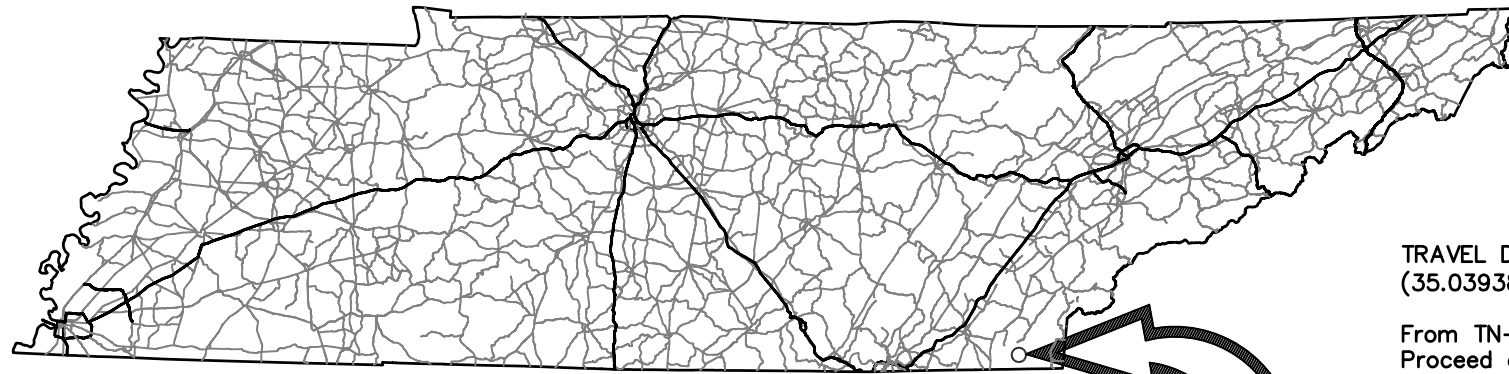
Polk County  
 Tennessee

Cherokee National Forest  
 Ocoee Ranger District

East Sylco Ridge NFSR 1333  
 MP 0.00 – 4.53

Sheet List Table

Sheet Number	Sheet Title
1	Title Sheet
2	Vicinity Map
3	Road Overview
4	Estimate of Quantities
5	General Notes
6	Work Summary NFSR 1333_1
7	Work Summary NFSR 1333_2
8	Work Summary NFSR 1333_3
9	Work Summary NFSR 1333_4
10	Drainage Feature Borrow Fill Cover
11	Drainage Construction Details
12	Road Reconditioning Detail
13	Gate Detail 1
14	Gate Detail 2



**FOREST LOCATION MAP**

TRAVEL DIRECTIONS:  
 (35.039387, -84.598429)

From TN-64 intersection with TN-411 in Polk County, TN  
 Proceed east on TN-64 2.5 miles  
 Turn right on Cookson Creek Rd  
 Travel SE on Cookson Cr Rd 4.5 miles to 'Turkey Foot' intersection  
 Turn right (but not hard right) on to NFSR 55  
 Continue on NFSR 55 for 5.7 miles to project location.

**APPROVED BY:**

FOREST ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

DISTRICT RANGER \_\_\_\_\_

DATE \_\_\_\_\_

# VICINITY MAP



United States Department of Agriculture  
Forest Service

08  
Southern Region

STAMPS, LOGOS, AND  
SEALS

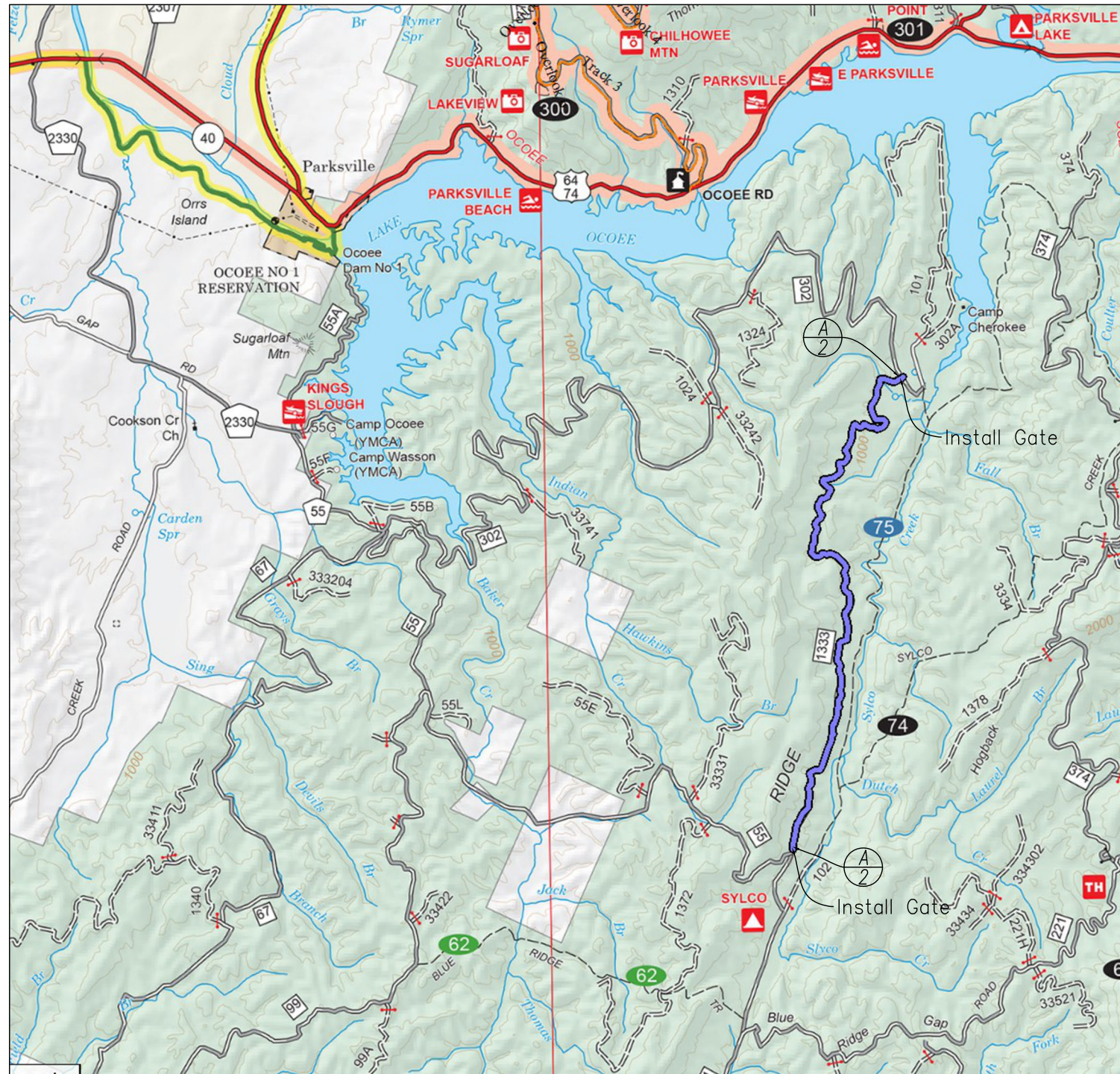
4		
3		
2		
1		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
East Sylco  
Ridge NFSR  
1333  
,  
CHEROKEE  
NATIONAL  
FOREST  
,  
OCOEE RANGER  
DISTRICT  
,  
POLK COUNTY, TN

DRAWING NAME

VICINITY MAP

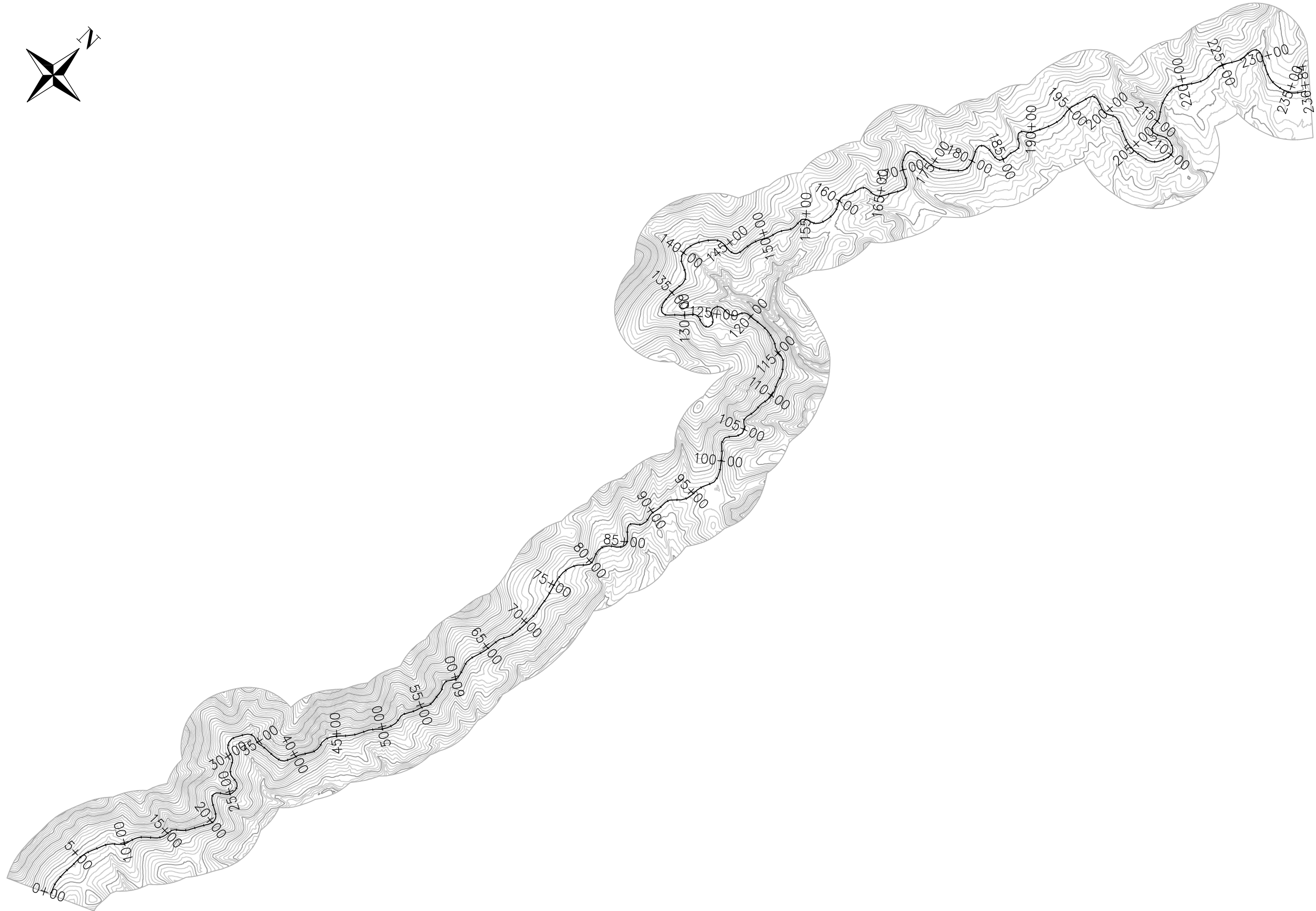
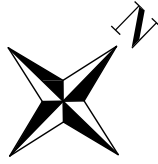
ROAD NO.	NFSR 1333
DESIGNER BY	
DRAWN BY	
CHECKED BY	
	SHEET 2 OF 14



M1-7      A  
2

Note: Signs not displayed on map can be found in work summary.

# ROAD OVERVIEW



United States Department of Agriculture  
Forest Service

**08**  
Southern Region

STAMPS, LOGOS, AND  
SEALS

4		
3		
2		
1		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
**East Sylco  
 Ridge NFSR  
 1333**  
 ,  
**CHEROKEE  
 NATIONAL  
 FOREST**  
 ,  
**OCOE RANGER  
 DISTRICT**  
 ,  
**POLK COUNTY, TN**

DRAWING NAME

**ROAD OVERVIEW**

ROAD NO.	1333
DESIGNER BY	
DRAWN BY	
CHECKED BY	
	<b>SHEET</b> 3 OF 14

## ESTIMATE OF QUANTITIES

East Sylco Ridge (Iron Ore)

NFSR 1333

ITEM NO.	DESCRIPTION	METHOD OF MEASURE	UNIT	QUANTITY	REMARKS
15101	Mobilization		LS	All	Includes Equipment Cleaning
15713	Soil and Erosion Control		EACH	10	For protecting newly constructed culvert catch basins and culvert outlet ditches. Utilize native seed mix. Use a combination of construction slash and certified weed free straw as soil cover. Contractor to submit Soil and Erosion Control plan.
15901	Reconstruction Staking	CQ	MI	4.856	For staking of road work items.
20103	Clearing and grubbing, disposal method logs "i", tops & limbs "g", stumps "j"	CQ	MI	4.86	Removal and disposal of roadside brush and trees.
20302	Removal of Obstructions, Disposal Method A		EA	32	For disposal of existing culverts to be replaced including associated headwalls as applicable. Sizes vary. Also includes removal and disposal of existing gate. Disposal Method A for culverts. Disposal method C for headwall material.
20303	Removal of Obstructions, Disposal Method Salvage		EA	2	Existing gates
20401	Drainage Excavation, Flat Bottom Ditch construction		LF	50	
25101	Placed Riprap, Class I		Ton	150	For armoring inlet and outlet of existing culverts and new culvert installations and for use in flat bottom ditches.
30110	Aggregate sub-base, Grading 'A', compaction method B		Ton	5000	Commercial source
30115	Aggregate base, Grading 'C', compaction method B		Ton	10400	Commercial source
30315	Roadway Reconditioning, Compaction Method "B"	CQ	MI	4.86	Includes all work described in subsections 303.03 through 303.06
60224	24" CMPA, Compaction Method "F"		LF	154	Replacement of 4 culverts. See Work Summary for locations. Bedding material is incidental for culvert installation. Lengths are estimates. Field verify and stake culverts according to 602.03. Necessary excavation for riprapped catch basin incidental to pay item.
60230	30" CMPA, Compaction Method "F"		LF	732	Replacement of 21 culverts. See Work Summary for locations. Bedding material is incidental for culvert installation. Lengths are estimates. Field verify and stake culverts according to 602.03. Necessary excavation for riprapped catch basin incidental to pay item.
60236	36" CMPA, Compaction Method "F"		LF	210	Replacement of 6 culverts. See Work Summary for locations. Bedding material is incidental for culvert installation. Lengths are estimates. Field verify and stake culverts according to 602.03. Necessary excavation for riprapped catch basin incidental to pay item.
60242	42" CMPA, Compaction Method "F"		LF	82	Replacement of 2 culverts. See Work Summary for locations. Bedding material is incidental for culvert installation. Lengths are estimates. Field verify and stake culverts according to 602.03. Necessary excavation for riprapped catch basin incidental to pay item.
63401	Permanent Traffic Control, Install Route Marker		EA	2	
63501	Temporary Traffic Control, Install and maintain		LS	All	
63502	Temporary Traffic Control, Install Gate		EA	2	



United States Department of Agriculture  
Forest Service

**08**  
Southern Region

STAMPS, LOGOS, AND SEALS

4		
3		
2		
1		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
East Sylco Ridge NFSR 1333  
CHEROKEE NATIONAL FOREST  
OCOEE RANGER DISTRICT  
POLK COUNTY, TN

DRAWING NAME  
**ESTIMATE OF QUANTITIES**

ROAD NO.	NFSR 1333
DESIGNER BY	
DRAWN BY	
CHECKED BY	
	SHEET
	4 OF 14

C:\Users\bjay\Box\7700TransportationSystem\7720-Development\7720-ProjectCurrent\PM\25\_1333\_East\_Sylco\_Ridge\Sheet\_Set\Work\_summary\_1333.dwg Plot Date: 2/5/2025 5:49 PM

NFSR 1333 Culvert Summary		
MP	Diameter(in)	Length(ft)
0.000	24	54
0.161	30	44
0.295	30	46
0.441	30	36
0.597	30	32
0.642	42	40
0.848	30	32
0.929	24	32
0.998	42	42
1.108	30	40
1.561	30	32
1.633	30	32
1.707	30	30
1.740	36	30
1.992	30	36
2.066	30	40
2.293	30	32
2.487	30	34
2.639	36	28
2.659	24	30
2.689	30	30
2.923	36	38
3.025	30	40
3.080	30	30
3.260	30	34
3.433	36	34
3.457	30	30
3.522	24	38
3.570	36	44
3.689	36	36
3.744	30	34
4.153	30	36
4.265	30	32

GENERAL NOTES:

TEMPORARY TRAFFIC CONTROL

Implement and maintain Temporary Traffic Control according to section 6.35 of the specifications.

Closure of NFSR 311 during the life of the project is permitted. Limit duration of closure to the extent practicable.

Contractor is responsible for closure devices and warning signs. Signs, gates and other temporary traffic control measures must be maintained through the life of the contract.

Place traffic control signs as appropriate on all roads where construction traffic may create a hazard or where construction traffic may impede the normal flow of vehicles. Submit a traffic control plan for approval to the CO at least 14 days prior to commencement of work.

Contractor is responsible for acquiring overload permits on county, state, and federal roads. Contact co for forest service overload permit application. Separate permit is required for each overload configuration.

SEDIMENT AND EROSION CONTROL:

GENERAL GUIDELINES

Submit a sediment and erosion control plan according to these general notes and the Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP-14), and the Forest Service Supplemental Specifications (FSSS).

The erosion & sediment control narrative is meant as a guideline for preventing erosion and controlling sediment. The work consists of applying measures throughout the life of the project to control erosion at culvert installations and excavation sites and to minimize the sedimentation of rivers, streams, and impoundments such as lakes, reservoirs.

Do not modify the type, size, or location of any control or practice without prior approval from the Contracting Officer (CO).

Do not allow construction vehicles to track sediment outside the project limits. Do not allow any construction equipment to operate on or access the down-slope side of the perimeter control measures.

The following discharges are prohibited: wash-water from concrete, paint, curing compounds, and other construction materials fuels, oils, equipment-related compounds, soaps/solvents used for vehicle washing, waste, garbage, sanitary waste.

Inspect and maintain on a regular basis, all mechanized equipment used in or near surface water to prevent contamination from fuels, lubricants, hydraulic fluids, or other toxic materials.

Solid waste generated from the project will consist of construction debris, garbage, and empty containers. Collect and store all waste in as appropriate. The project is located in active bear habitat. Care should be taken to ensure food, either waste or fresh, is stored in a suitable manner.

Hazardous waste will not be generated from normal construction activities. Equipment fueling and maintenance could generate spills, leaks, and hazardous wastes like motor oil, diesel, gasoline, and battery fluid. Store all hazardous waste materials in appropriate and clearly marked containers away from other non-waste materials. Dispose of material according to federal, state, and local regulations.

Develop and implement a spill prevention control and countermeasures (spcc) plan following the requirements under 40 cfr 112. Report spills large enough to discharge to surface waters to the national response center at 1-800-424-8802.

Soil erosion control is required for culvert replacements/installations (outlet control), staging areas, truck turnarounds and any newly disturbed slopes. Silt fence is not not required.

Water control will be required at culvert replacement work items where water flow is present at a volume that may produce undesirable amounts of sediment or other impact to the water-body. Water control should consist of an excavated catch-basin and appropriately sized pump on the inlet side of the crossing. Water control is required to be in place prior to removal of existing structure and should be maintained until new structure is suitably bedded and in place. Water control is not required during excavation and back fill operations. Water control is incidental to 157 and 602 pay items.

The determination of Water Control requirement is at the discretion of the CO.

MAINTENANCE AND INSPECTION PROCEDURES:

Unless stated otherwise, construct and maintain all vegetated and structural erosion control practices according to section 157. Check and maintain erosion control measures once every 7 days and within 24 hours after a rain of 0.25 inches or more, and daily during wet weather. Repair or replace any damaged measures by the end of the day.

If included in contractor submitted erosion control plan, Fiber roll should be inspected weekly and after each runoff event. Remove sediment deposits from the fiber roll when it reaches half the height of the device. Replace damaged fiber roll within 24 hours of inspection.

When rolled erosion control product is used inspect matting after every significant rainfall (0.5 inch or higher) event for damage and erosion beneath the matting. Replacement of matting may be necessary if damaged by equipment. Check staples and stakes to make sure they are securely in the ground.



United States Department of Agriculture  
Forest Service

**08**  
Southern Region

STAMPS, LOGOS, AND SEALS

4		
3		
2		
1		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
**East Sylco  
 Ridge NFSR  
 1333**  
 ,  
**CHEROKEE  
 NATIONAL  
 FOREST**  
 ,  
**OCOE RANGER  
 DISTRICT**  
 ,  
**POLK COUNTY, TN**

DRAWING NAME

**GENERAL NOTES**

ROAD NO.	NFSR 1333
DESIGNER BY	
DRAWN BY	
CHECKED BY	
	SHEET 5 OF 14

C:\Users\jyow\Box\7700TransportationSystem\7720-Development\7720-ProjectCurrent\PM\25\_1333\_Enst\_Sylco Ridge\Sheet\_Sat\Work\_summary\_1333.dwg Plot Date: 2/5/2025 5:49 PM

Work Summary 1333				
Mile Post	Lat.	Long.	Item No.	Work Description
0.000	35.039475	-84.598455		CMPA = Arched Corrugated Metal Pipe
				Intersection NFSR 55 Baker Creek Road
				Begin Project, Begin Existing Outsloped Section
			15901	Begin Reconstruction Staking
			30315	Begin Roadway Reconditioning
			30115	Begin aggregate base grading C, 5" compacted depth. 14' top width plus curve widening and turnouts. (includes 10% overage for turnouts and curve widening)
0.000	35.039475	-84.598455	15713, 25101, 60224	Install new 16 guage, 24" x 54' Corrugated Pipe-Arch across intersection.
0.019	35.039708	-84.598575	20301	Remove Existing gate and Salvage to Ocoee Work Center.
			63501	Install New Gate
0.046	35.040075	-84.598646	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base
0.161	35.041761	-84.598193	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 44' Corrugated Pipe-Arch.
0.295	35.043310	-84.596903	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 46' Corrugated Pipe-Arch.
0.360	35.044050	-84.596233	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base
0.441	35.044933	-84.596714	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 36' Corrugated Pipe-Arch.
0.597	35.04641	-84.59760	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 32' Corrugated Pipe-Arch.
0.642	35.04698	-84.59716	15713, 25101, 20302, 60242	Remove and Dispose of existing culvert. Replace with 16 guage, 42" x 40' Corrugated Pipe-Arch. Culvert has 12' deep fill on outside edge.
0.848	35.04858	-84.59502	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 32' Corrugated Pipe-Arch.
0.881	35.04896	-84.59458	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base
0.929	35.04953	-84.59417	15713, 25101, 60224	Install new 16 guage, 24" x 32' Corrugated Pipe-Arch.



United States Department of Agriculture  
Forest Service

**08**  
Southern Region

STAMPS, LOGOS, AND SEALS

4		
3		
2		
1		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
**East Sylco  
 Ridge NFSR  
 1333**  
 ,  
**CHEROKEE  
 NATIONAL  
 FOREST**  
 ,  
**OCOEE RANGER  
 DISTRICT**  
 ,  
**POLK COUNTY, TN**

DRAWING NAME  
**WORK SUMMARY  
 NFSR 1333\_1**

ROAD NO.	NFSR 1333
DESIGNER	
BY	
DRAWN	
BY	
CHECKED	
BY	
	<b>SHEET</b>
	<b>6 OF 14</b>

C:\Users\bywa\Box\7700TransportationSystem\7720-Development\7720-Development\7720-ProjectCurrent\PM\25\_1333\_East\_Sylco\_Ridge\Sheet\_Sat\Work\_summary\_1333.dwg Plot Date: 2/5/2025 5:49 PM

Mile Post	Lat.	Long.	Item No.	Work Description
1.108	35.05193	-84.59344	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 40' Corrugated Pipe-Arch.
1.315	35.05488	-84.59278	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base
1.502	35.05747	-84.59257	20401	Daylight berm on outside edge. Use material in roadway or dipose of waste as directed by CO
1.561	35.05822	-84.59252	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 32' Corrugated Pipe-Arch. Provide 100' x 14' x 6" sub-base material (~45 tons)
			30102	
1.633	35.05905	-84.59254	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 32' Corrugated Pipe-Arch.
1.707	35.05992	-84.59219	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 30' Corrugated Pipe-Arch. Provide 50' x 15' x 6" sub-base material (~22 tons)
			30102	
1.740	35.06042	-84.59209	15713, 25101, 20302, 60236	Remove and Dispose of existing culvert. Replace with 16 guage, 36" x 30' Corrugated Pipe-Arch.
1.833	35.06168	-84.59133		Intersection. MP Reference point
1.880	35.06229	-84.59170	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base
1.905	35.06257	-84.59202	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base
1.992	35.06359	-84.59209	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 36' Corrugated Pipe-Arch.
2.058	35.06424	-84.59207	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base
2.066	35.064617	-84.591997	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 40' Corrugated Pipe-Arch.
2.129	35.065475	-84.592352	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base
2.245	35.065955	-84.594249	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base



United States Department of Agriculture  
Forest Service

08  
Southern Region

STAMPS, LOGOS, AND  
SEALS

4		
3		
2		
1		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
East Sylco  
Ridge NFSR  
1333  
,  
CHEROKEE  
NATIONAL  
FOREST  
,  
OCOEE RANGER  
DISTRICT  
,  
POLK COUNTY, TN

DRAWING NAME  
  
WORK SUMMARY  
NFSR 1333\_2

ROAD NO.	NFSR 1333
DESIGNER	
BY	
DRAWN	
BY	
CHECKED	
BY	
	SHEET
	7 OF 14

C:\Users\bjay\Box\7700TransportationSystem\7720-Development\7720-Development\PM\25\_1333\_East\_Sylco\_Ridge\Sheet\_Sat\Work\_summary\_1333.dwg Plot Date: 2/5/2025 5:49 PM

Mile Post	Lat.	Long.	Item No.	Work Description
2.293	35.065654	-84.594879	15713, 25101, 60230	Install new 16 guage, 30" x 32' Corrugated Pipe-Arch.
2.344	35.065390	-84.595611	20402, 30102	Construct 100' of 2' rock lined flat bottom ditch (~15 tons). Place 100'x15'TopWidthx12" sub-base material in road bed (~100 tons)
2.370	35.065106	-84.595304		Intersection 311A
2.436	35.064754	-84.596115	30102	Place 150' x 15'TopWidth x 6" sub-base material in road bed (~75 tons)
2.487	35.064252	-84.596757	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 34' Corrugated Pipe-Arch.
2.639	35.065890	-84.597785	15713, 25101, 20302, 60236	Remove and Dispose of existing culvert. Replace with 16 guage, 36" x 28' Corrugated Pipe-Arch.
2.659	35.066174	-84.597795	15713, 25101, 20302, 60224	Remove and Dispose of existing culvert. Replace with 16 guage, 24" x 30' Corrugated Pipe-Arch.
2.689	35.066575	-84.597584	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 30' Corrugated Pipe-Arch.
2.742	35.066957	-84.596832	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base
2.865	35.068322	-84.595842	30102	Place 150' x 20'TopWidth x 6" sub-base material in road bed (~95 tons)
2.923	35.069085	-84.595528	15713, 25101, 20302, 60236	Remove and Dispose of existing culvert. Replace with 16 guage, 36" x 38' Corrugated Pipe-Arch.
3.002	35.069912	-84.594873	30102	Place 6" depth sub-base material in turnout. Approximately 50' x 100'. ~ 160 tons
3.025	35.070235	-84.595054	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 40' Corrugated Pipe-Arch.
3.080	35.070989	-84.594715	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 40' Corrugated Pipe-Arch.
3.159	35.071617	-84.593711	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base
3.260	35.072687	-84.594410	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 34' Corrugated Pipe-Arch.
3.433	35.074155	-84.592759	15713, 25101, 20302, 60236	Remove and Dispose of existing culvert. Replace with 16 guage, 36" x 34' Corrugated Pipe-Arch.



United States Department of Agriculture  
Forest Service

**08**  
Southern Region

STAMPS, LOGOS, AND  
SEALS

4		
3		
2		
1		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
East Sylco  
Ridge NFSR  
1333  
,  
CHEROKEE  
NATIONAL  
FOREST  
,  
OCOE RANGER  
DISTRICT  
,  
POLK COUNTY, TN

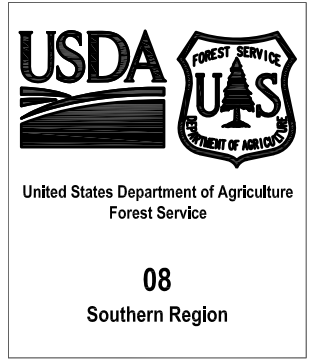
DRAWING NAME  
  
**WORK SUMMARY  
NFSR 1333\_3**

ROAD NO.	NFSR 1333
DESIGNER	
BY	
DRAWN	
BY	
CHECKED	
BY	
	<b>SHEET</b>
	<b>8 OF 14</b>



C:\Users\bywa\Box\7700TransportationSystem\7720-Development\7720-ProjectCurrent\PM\25\_1333\_Enst\_Sylco Ridge\Sheet\_Sat\Work\_summary\_1333.dwg Plot Date: 2/5/2025 5:50 PM

Mile Post	Lat.	Long.	Item No.	Work Description
3.457	35.074336	-84.592468	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 30' Corrugated Pipe-Arch.
3.522	35.074720	-84.591735	15713, 20302, 25101, 60224	Remove and Dispose of existing culvert. Replace with 16 guage, 24" x 38' Corrugated Pipe-Arch.
3.527	35.074779	-84.591706		Intersection. Mile Post Reference point.
3.570	35.075290	-84.592032	15713, 25101, 60236	Remove and Dispose of existing culvert. Replace with 16 guage, 36" x 44' Corrugated Pipe-Arch.
3.634	35.075984	-84.591425	30102	Place 200' x 20'TopWidth x 12" sub-base material in road bed (~250 tons)
3.689	35.076785	-84.591308	15713, 25101, 20302, 60236	Remove and Dispose of existing culvert. Replace with 16 guage, 36" x 36' Corrugated Pipe-Arch.
3.744	35.077555	-84.591011	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 34' Corrugated Pipe-Arch.
3.818	35.077570	-84.589763	30102	Armor Existing Drain Dip. ~8 tons of Sub-Base
3.909	35.077278	-84.588196	15713, 25101, 30102 20302, 60224	Armor Existing Drain Dip. ~8 tons of Sub-Base
4.023	35.078046	-84.588294	30102	Place 190' x 20'TopWidth x 12" sub-base material in road bed (~240 tons)
4.153	35.079450	-84.589069	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 36' Corrugated Pipe-Arch.
4.265	35.080990	-84.588312	15713, 25101, 20302, 60230	Remove and Dispose of existing culvert. Replace with 16 guage, 30" x 32' Corrugated Pipe-Arch.
4.479	35.081770	-84.585759	20301	Remove Existing gate and Salvage to Ocoee Work Center.
			63501	Install New Gate
4.495	35.081951	-84.585581		Intersection NFSR 302 Indian Creek Rd
			15201	End Reconstruction Staking
			20103	End Clearing and Grubbing
			30315	End Roadway Reconditioning
			30115	End aggregate base grading C, 5" compacted depth. 14' top width plus curve widening and turnouts.
				End Project



STAMPS, LOGOS, AND SEALS

4		
3		
2		
1		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
 East Sylco  
 Ridge NFSR  
 1333  
 ,  
 CHEROKEE  
 NATIONAL  
 FOREST  
 ,  
 OCOEE RANGER  
 DISTRICT  
 ,  
 POLK COUNTY, TN

DRAWING NAME  
 WORK SUMMARY  
 NFSR 1333\_4

ROAD NO.	1333
DESIGNER BY	
DRAWN BY	
CHECKED BY	
	SHEET 9 OF 14

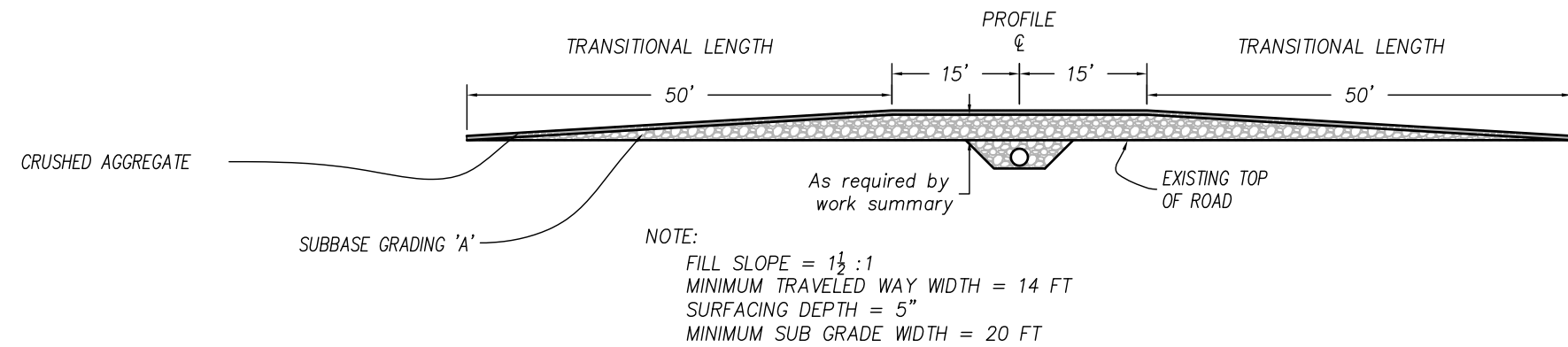


United States Department of Agriculture  
Forest Service

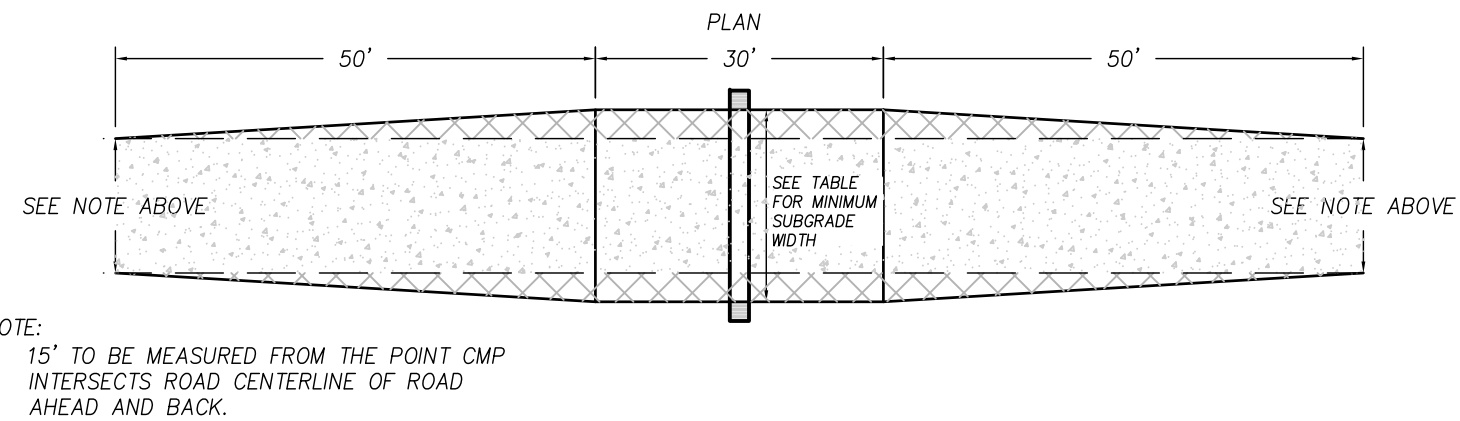
08  
Southern Region

## SUBBASE/BORROW FILL OVER DRAINAGE DETAIL

STAMPS, LOGOS, AND  
SEALS



4		
3		
2		
1	---	---
NO.	REVISION / ISSUE	DATE



PROJECT NAME

**East Sylco Ridge  
NFSR 1333**

Cherokee National Forest

DRAWING NAME

**Drainage Feature Borrow  
Fill Cover**

DESIGNER	SHEET 10 OF 14
BY	
DRAWN	
BY	
CHECKED	---
---	

# DRAINAGE CONSTRUCTION DETAILS

## Specification 204, 602



United States Department of Agriculture  
Forest Service

**08**  
Southern Region

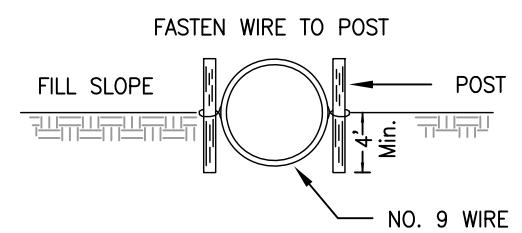
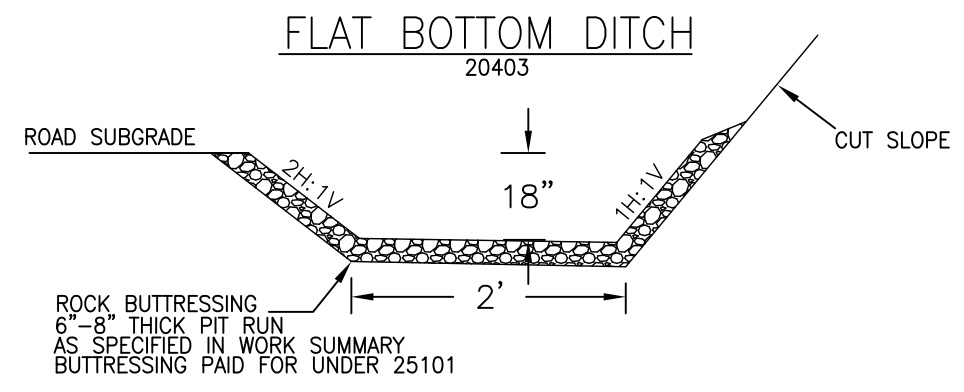
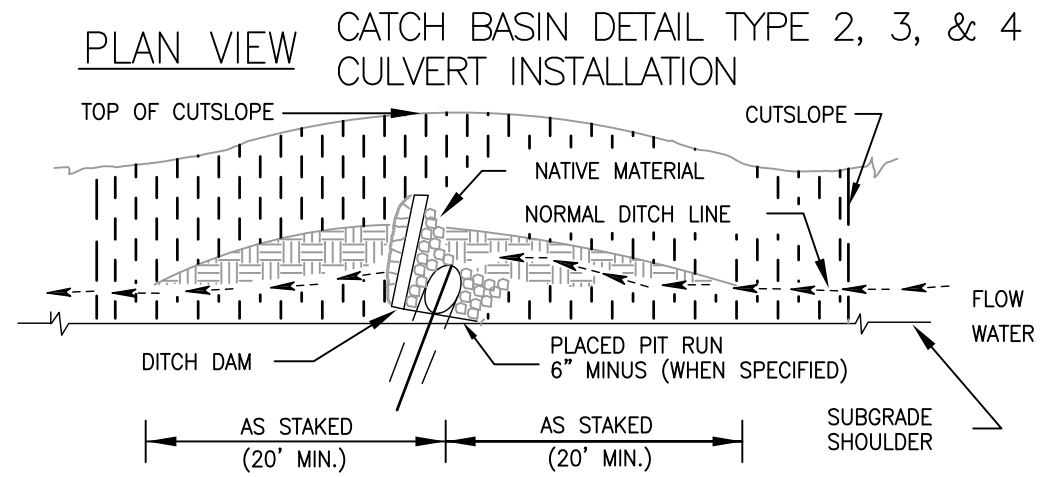
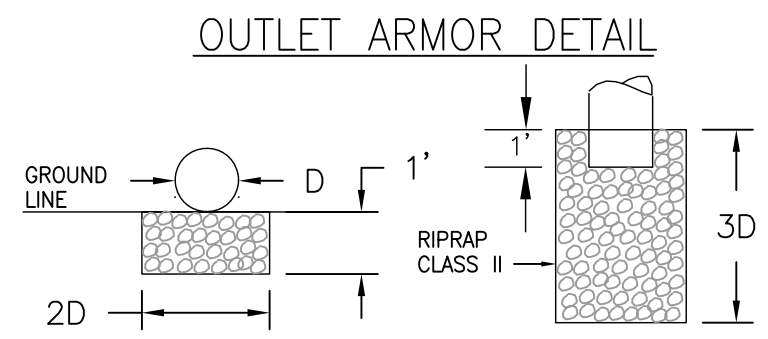
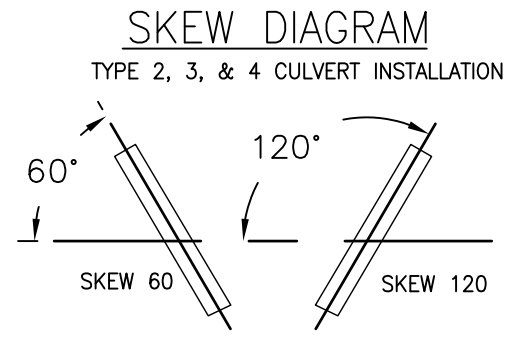
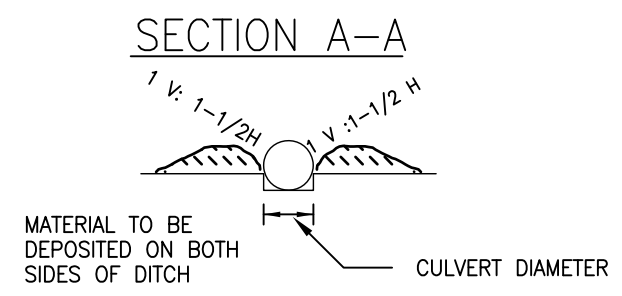
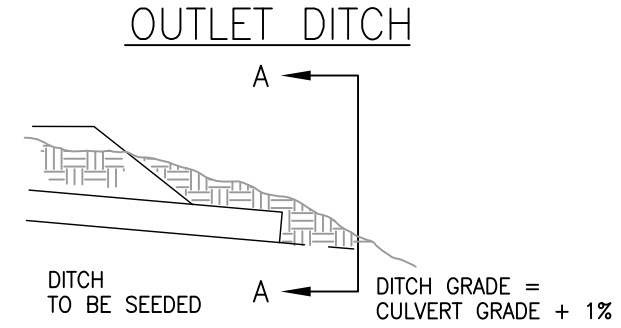
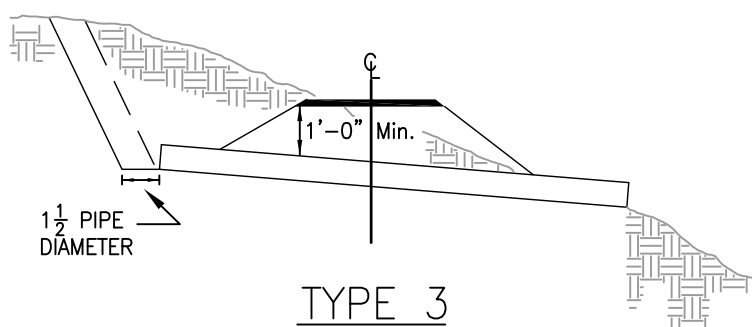
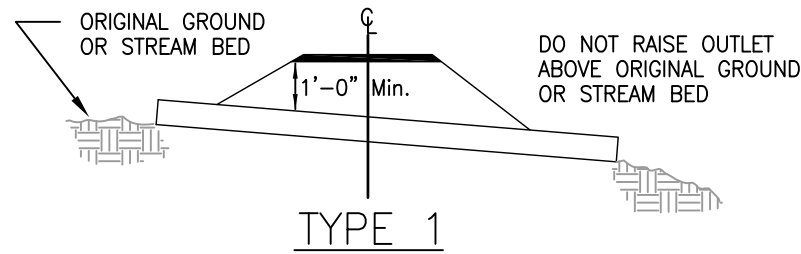
STAMPS, LOGOS, AND  
SEALS

▲		
▲		
▲		
▲		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
**East Sylco  
Ridge NFSR  
1333**  
  
**CHEROKEE  
NATIONAL  
FOREST**  
  
**OCOE RANGER  
DISTRICT**  
  
**POLK COUNTY, TN**

DRAWING NAME  
**DRAINAGE  
CONSTRUCTION  
DETAILS**

ROAD NO.	NFSR 311
DESIGNER	
BY	
DRAWN	
BY	
CHECKED	
BY	SHEET 11 OF 14



**NOTE:**  
36" DIAMETER AND LARGER DOWNPIPE SHALL BE HALF BURIED. ANCHOR SETS SHALL CONSIST OF TWO 6' STEEL FENCE POSTS (1 /FT) AND NO. 9 GALVANIZED WIRE. THE 3 STRANDS OF WIRE SHALL BE TWISTED TOGETHER AND ENCOMPASS THE ENTIRE CIRCUMFERENCE OF THE PIPE.

C:\Users\bywa\Box\7700TransportationSystem\7720-Development\7720-ProjectCurrent\PM\25\_1333\_East\_Sylco\_Ridge\Sheet\_Sat\Drainage Construction Details.dwg Plot Date: 2/5/2025 5:50 PM

**ROAD STRUCTURE TYPICAL SECTION**  
 201 - Clearing and 303 - Road Reconditioning  
 DRAWINGS NOT TO SCALE



United States Department of Agriculture  
Forest Service

**08**  
Southern Region

STAMPS, LOGOS, AND SEALS

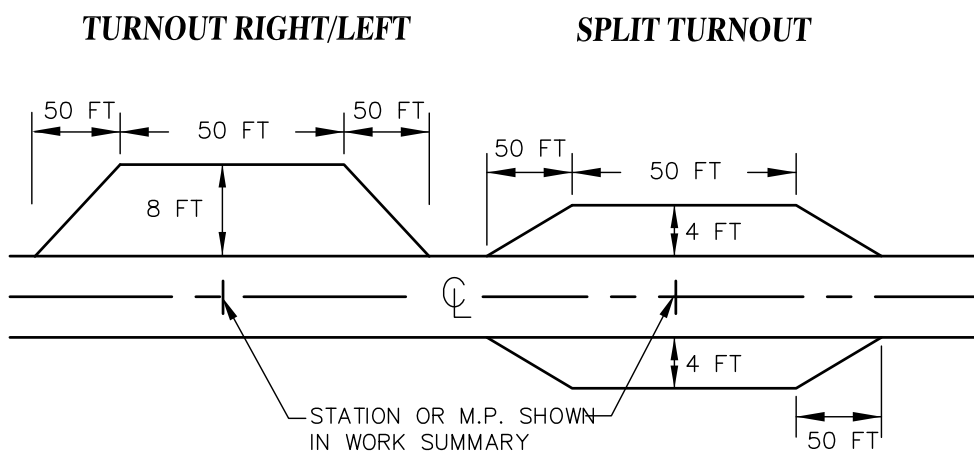
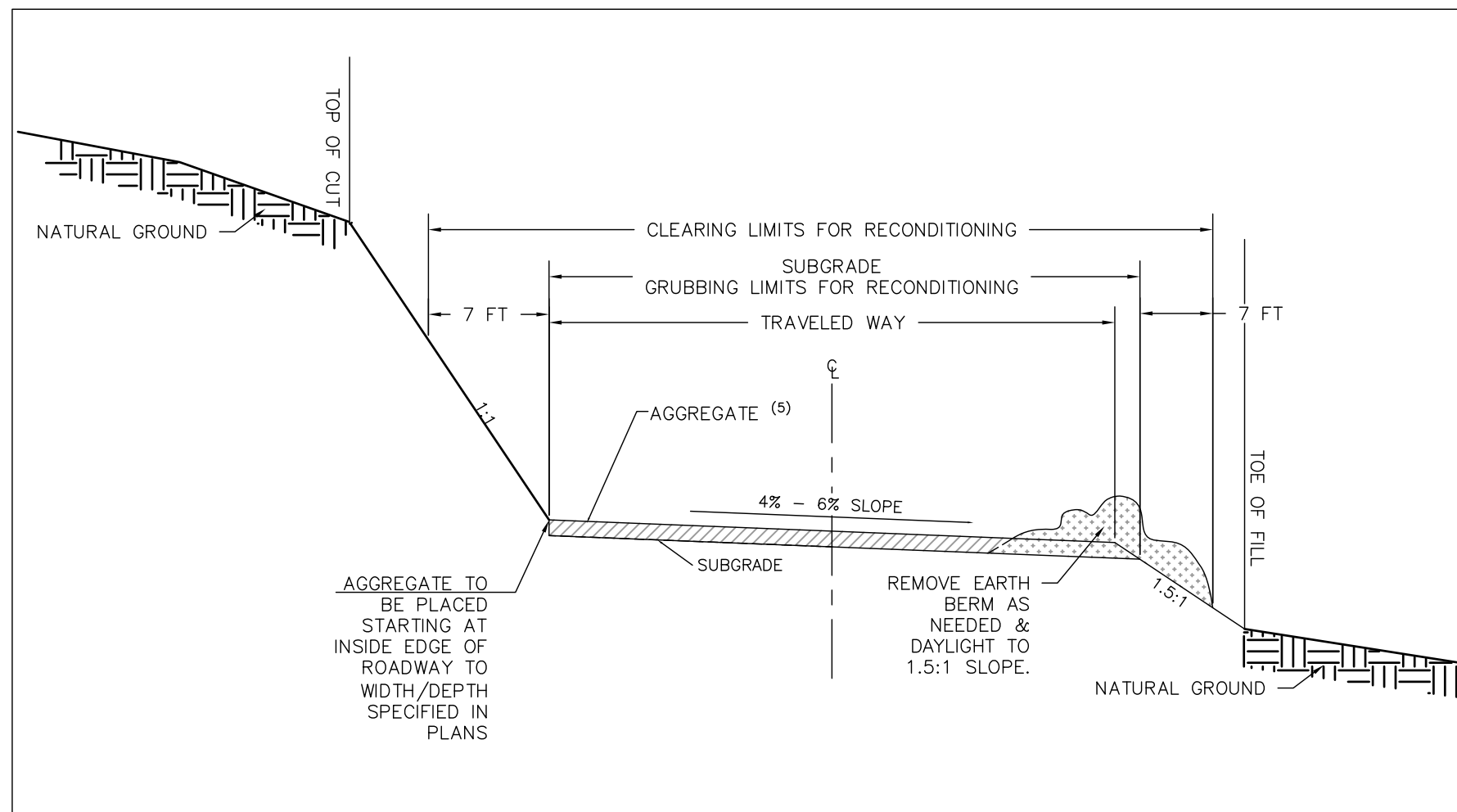
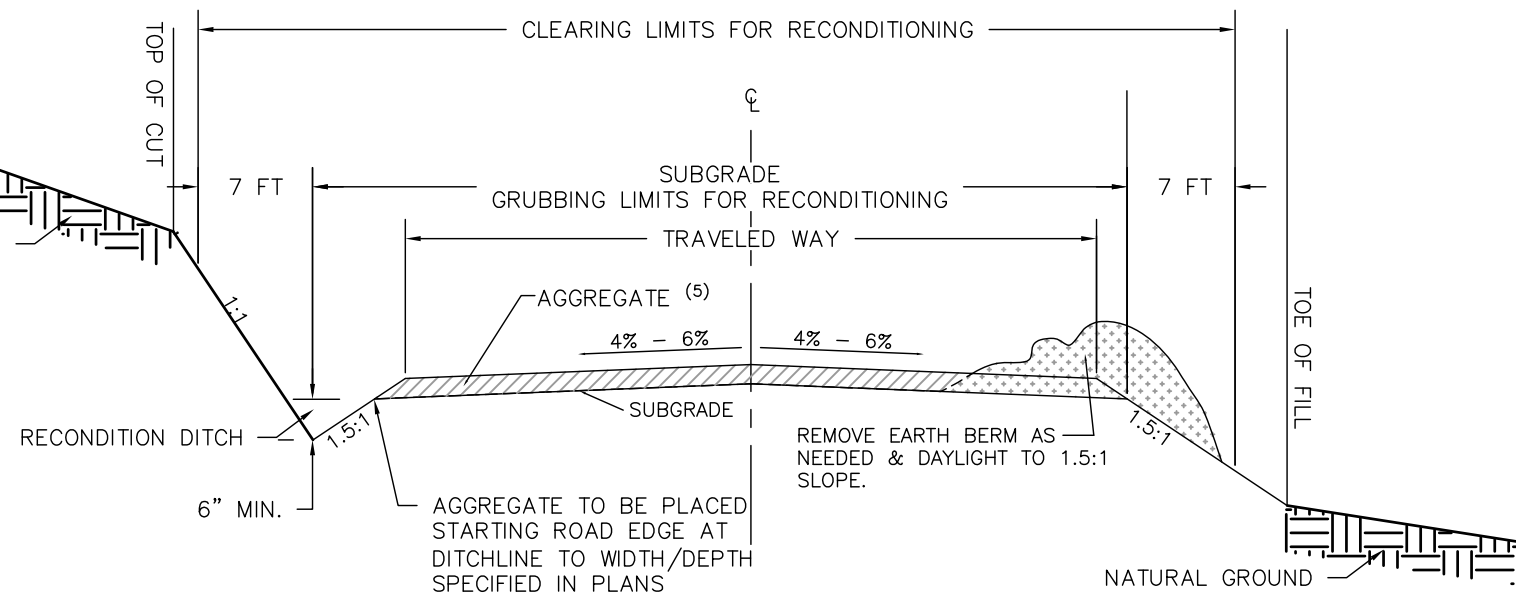
4		
3		
2		
1		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
**East Sylco Ridge NFSR 1333**,  
**CHEROKEE NATIONAL FOREST**,  
**OCOE RANGER DISTRICT**,  
**POLK COUNTY, TN**

DRAWING NAME  
**ROAD RECONDITIONING DETAIL**

ROAD NO.	NFSR 311
DESIGNER BY	
DRAWN BY	
CHECKED BY	
SHEET 12 OF 14	

- NOTES**
- Stakes, paint and flagging shall meet the following: The nominal dimensions for slope stakes shall be 1. reference stakes and workpoint identification stakes shall be 1/2" X 2" X 3 FT long, unless otherwise approved by the C.O.. The top 2" of all stakes shall be painted fluorescent red. The flagging color shall be red.
  - Construction tolerance: FSSS 204 Tolerance Class D
  - Re-establish cross slope according to FSSS 303.
  - Curve widening, turnouts and other road structure variations are included in the applicable pay items and will not be measured separately.
  - Curve widening and turnouts shall be surfaced to the same depth as the roadbed unless otherwise shown on the drawings.
  - Road Reconditioning, Pay Item 30301, includes those work items shown in FP-14 and FSSS Section 303. Perform other items shown on this detail in accordance with the schedule of items, specifications, estimate of quantities, drawings, and work summaries.
  - Place aggregate in areas and to depth and width shown on work summary. Rock Volume and depth is measured compacted and in place according to FP-14 Section 109.
  - Ditch locations will be as existing, or as shown on the work summary, or staked by the C.O.
  - Use excavated material to the extent practicable as indicated in the work summary. Excess excavation and oversize or unsuitable material shall be disposed of by sidecasting, except when within 50 FT of a flowing stream or other "sensitive areas" indicated on the work summary. Excess, oversize and unsuitable material generated in these "sensitive" areas shall be disposed of at the nearest designated disposal site or other area approved by the C.O.. When approved by the C.O., excess suitable material may be placed and compacted within the traveled way.
  - In unsurfaced areas, the subgrade width is the same as the traveled way.
  - Do not clear trees greater than 8" in diameter on stream side of road when road edge is less than 10' from a stream course unless tree is specifically marked for removal. Stump grubbing shall be accomplished by grinding. Do not excavate stumps within traveled way without written authorization from CO. Tree limbs shall be trimmed by sawing as near flush with the trunk as practicable, to a height of 14 FT above the roadbed.
  - Limb and deck trees that meet merchantable standards in areas designated by CO.



**GATE DETAIL 1 of 2**  
**635 - PERMANENT TRAFFIC CONTROL**  
 DRAWINGS NOT TO SCALE



United States Department of Agriculture  
Forest Service

**08**  
Southern Region

STAMPS, LOGOS, AND SEALS

4		
3		
2		
1		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
**East Sylco Ridge NFSR 1333**  
**CHEROKEE NATIONAL FOREST**  
**OCOEE RANGER DISTRICT**  
**POLK COUNTY, TN**

DRAWING NAME

**GATE DETAIL 1**

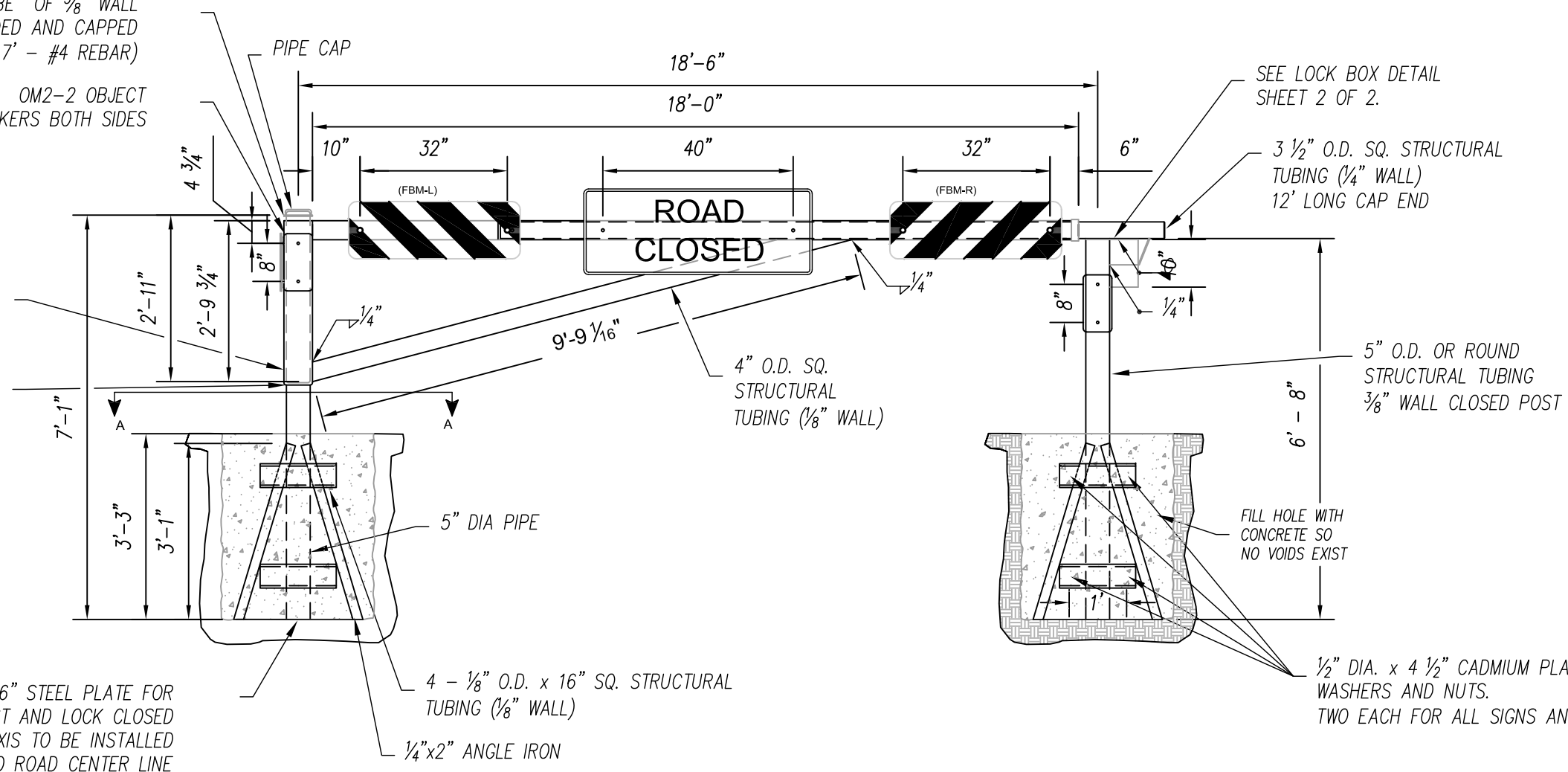
ROAD NO.	NFSR 311
DESIGNER	
DRAWN BY	
CHECKED BY	
	<b>SHEET 13 OF 14</b>

5" ROUND STRUCTURAL STEEL TUBE OF 3/8" WALL THICKNESS TO BE THREADED AND CAPPED (FILL W/ CONCRETE AND W/ 3 EA. 7' - #4 REBAR)

OM2-2 OBJECT MARKERS BOTH SIDES

6' O.D. SQUARE STRUCTURAL TUBING (3/16" WALL)

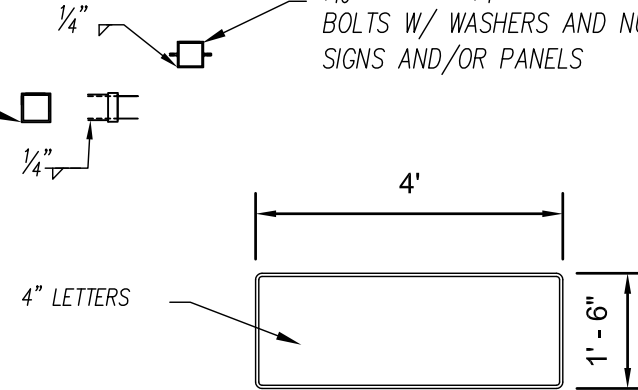
1" WIDE RING WELDED TO TUBE TO SUPPORT GATE



**FRONT ELEVATION DETAIL**

REINFORCED COLLAR  
 4 1/2" O.D. SQ. STRUCTURAL TUBING (1/4" WALL x 1 1/2")

5/16" DIA. x 1 1/4" CADMIUM PLATED GRA BOLTS W/ WASHERS AND NUTS TWO E. SIGNS AND/OR PANELS




**ROAD USE RESTRICTED SIGN**

- LETTERS SHALL BE BLACK ON WHITE BACKGROUND.
- SIGN SHALL BE RETROREFLECTIVE.
- SIGN MATERIAL SHALL MEET THE REQUIREMENTS OF THE ( THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

**NOTES:**

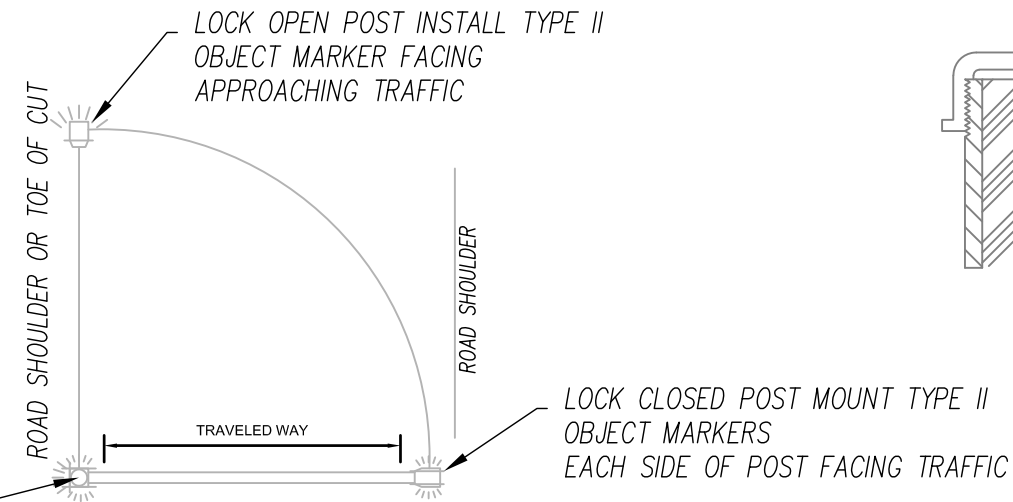
- ROAD USE SIGN SHALL BE CENTERED ON GATE AS SHOWN ON DRAWINGS.
- ROAD USE RESTRICTED SIGN SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- STANDARD TUBING SHALL BE ASTM A36 STRUCTURAL STEEL
- INSTALL LOCK BOXES TO THE ELEVATION NECESSARY TO MAKE HORIZONTAL GATE MEMBER LEVEL.
- GATE, POSTS AND HARDWARE SHALL BE CLEANED AND PAINTED AS SPECIFIED IN ACCORDANCE WITH FP-14 SECTION 563 AND 719, COLOR FOREST SERVICE BROWN, 20059.
- CONTRACTOR SHALL PROVIDE TWO GATE MARKERS ON EACH GATE. DIAGONAL STRIPING WILL BE TOWARDS CENTER OF ROAD.
- CONTRACTOR SHALL PROVIDE (4) OBJECT MARKERS (OM2-2) PER GATE INSTALLATION. INSTALL OBJECT MARKERS ON FRONT AND REAR APPROACHES OF EACH POST.
- ALL OM2-2 & GATE MARKERS WILL BE MOUNTED WITH 3/8" VANDAL-PROOF CARRIAGE BOLTS FURNISHED BY THE CONTRACTOR. SIGNS WILL BE MOUNTED WITH A MIN. OF 2 BOLTS EACH. INSTALLATION SHALL MEET THE REQUIREMENTS OF M.U.T.C.D.

**GATE DETAIL 2 of 2**  
**635 - PERMANENT TRAFFIC CONTROL**  
 DRAWINGS NOT TO SCALE

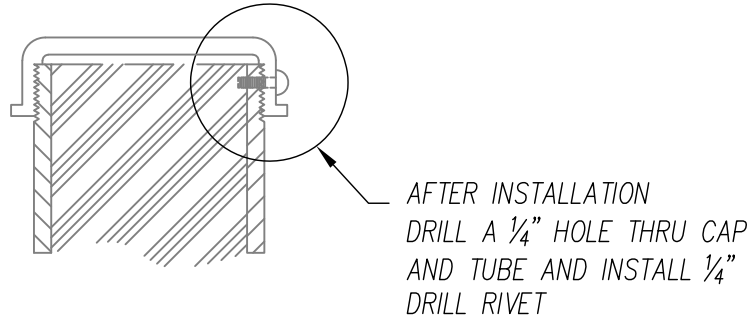


United States Department of Agriculture  
 Forest Service

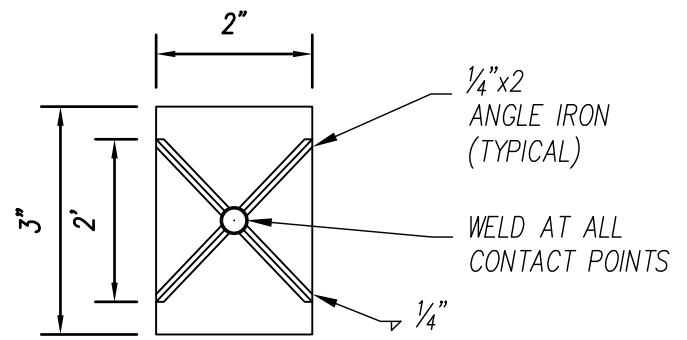
**08**  
 Southern Region



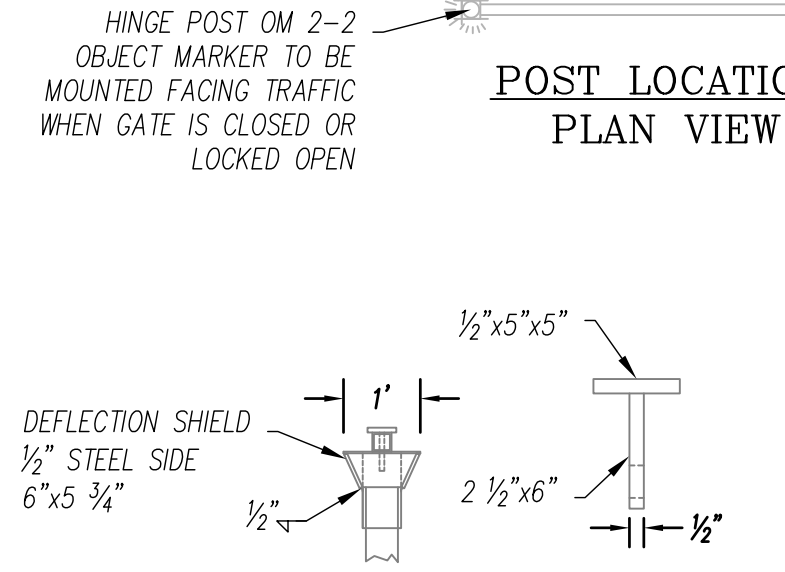
**POST LOCATIONS  
 PLAN VIEW**



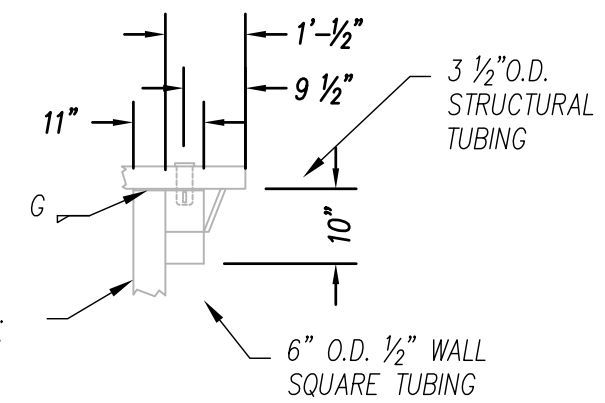
**PIPE CAP DETAIL**



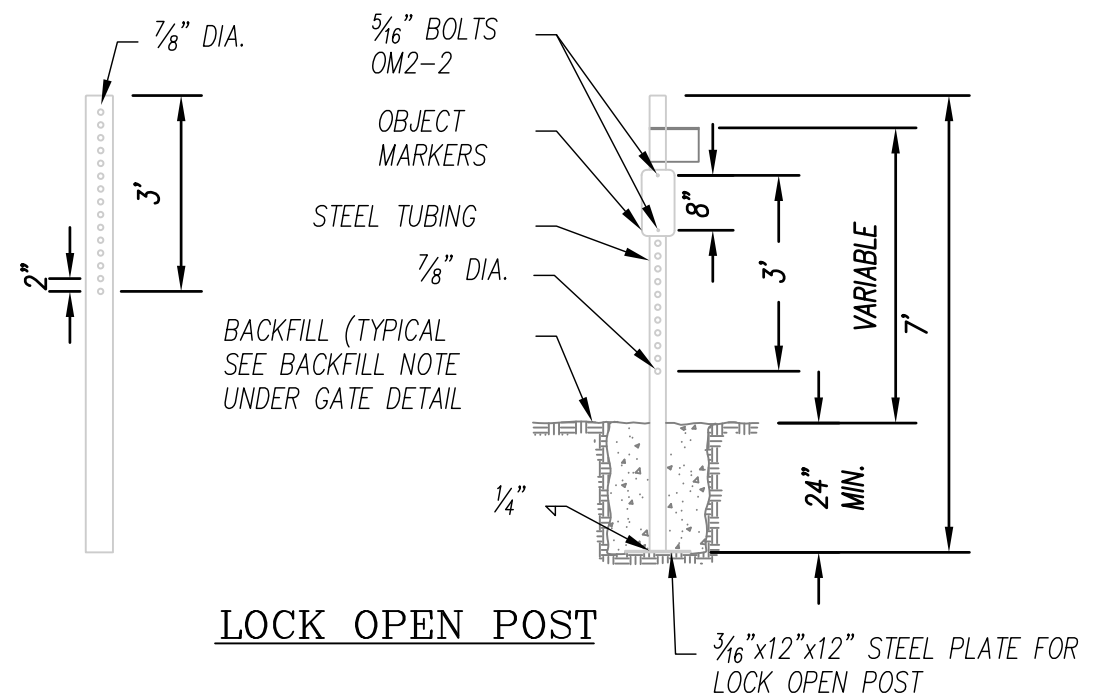
**A-A POST BASE DETAIL**



**LOCK BOX END VIEW**

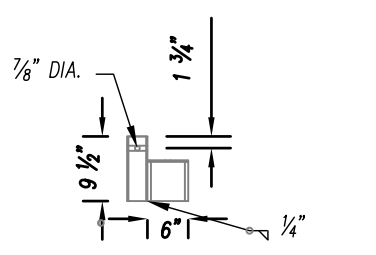


**LOCK BOX SIDE VIEW**

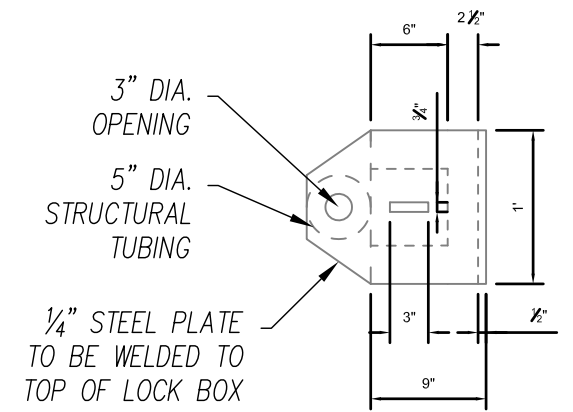


**LOCK OPEN POST**

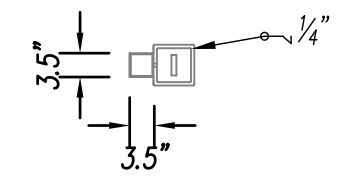
LOCK BOX HEIGHT FOR THE LOCK OPEN POST CAN VARY TO FIT FIELD CONDITIONS. THAT PORTION OF THE POST TO BE BURIED SHALL NOT BE LESS THAN 24".



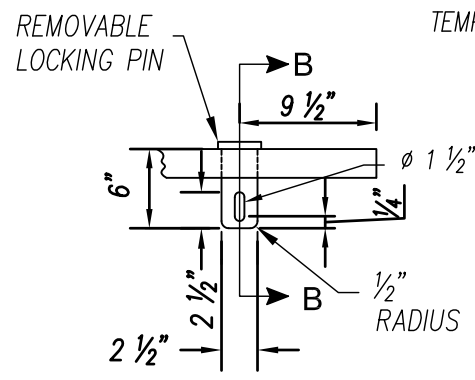
**LOCK BOX INSIDE VIEW**



**LOCK BOX TOP VIEW**



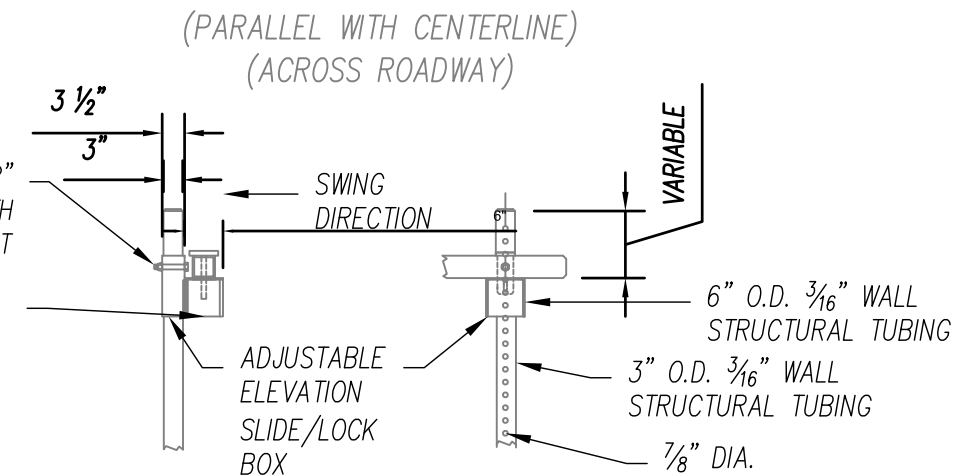
**LOCK BOX CENTERED TOP VIEW**



**LOCK BOX SECTION B-B**

3/4" DIA. x 4 - 1/2" GRADE "8" BOLT WITH TEMPER-RESISTANT NUT

6" O.D. 1/2" WALL SQUARE TUBING



**LOCK OPEN BOX AND POST DETAIL**

STAMPS, LOGOS, AND SEALS

△		
△		
△		
△		
NO.	REVISION / ISSUE	DATE

PROJECT NAME  
**East Sylco Ridge NFSR 1333**  
**CHEROKEE NATIONAL FOREST**  
**OCOEE RANGER DISTRICT**  
**POLK COUNTY, TN**

DRAWING NAME  
**GATE DETAIL 2**

ROAD NO.	NFSR 311
DESIGNER	
DRAWN BY	
CHECKED BY	
	SHEET 14 OF 14

C:\Users\bywa\Box\7700TransportationSystem\7720-Development\7720-Development\7720-1333\_East\_Sylco\_Ridge\Sheet\_Sat\GateDetail.dwg Plot Date: 2/5/2025 5:50 PM