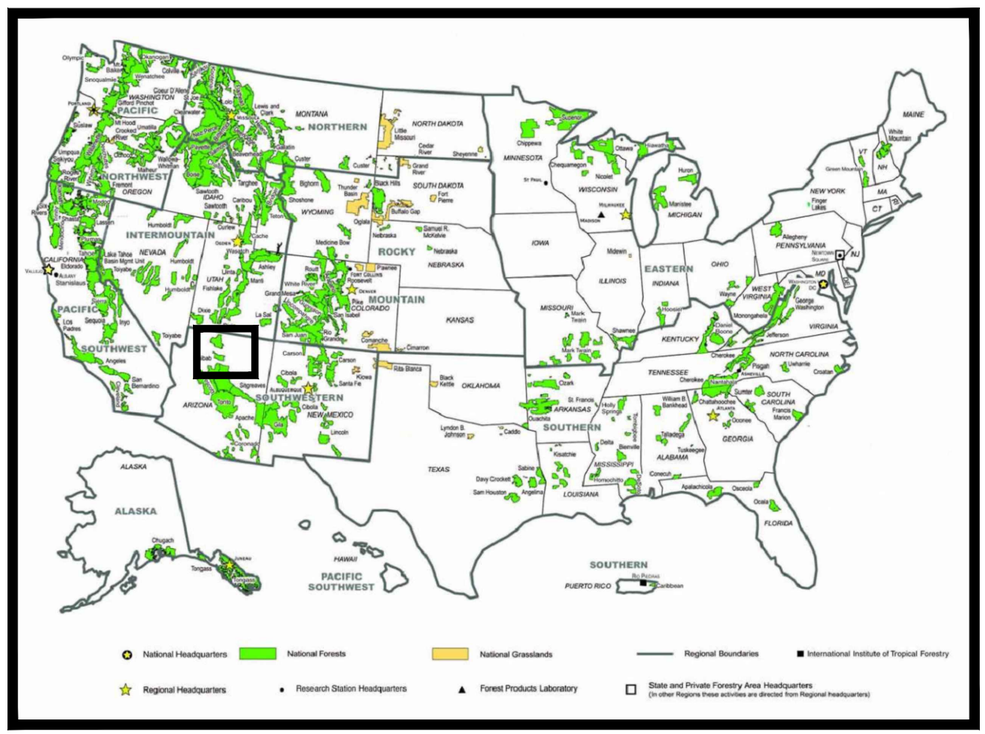
United States Department of Agriculture
Forest Service

ARIZONA
COCONINO COUNTY
SOUTHWEST REGION
KAIBAB NATIONAL FOREST
TUSAYAN RANGER DISTRICT

NFSR 307 AND 310 ROAD AND PARKING LOT RECONSTRUCTION



FOREST LOCATION MAP

PROJECT LOCATION MAP

TRAVEL DIRECTIONS:

FROM FLAGSTAFF: HEAD NORTHEAST ON ROUTE 89 FOR 51 MILES. TURN ONTO ARIZONA ROUTE 64. REMAIN ON ARIZONA ROUTE 64 FOR 36 MILES. TURN LEFT ONTO NFSR 307. STAY ON NFSR 307 FOR 15.6 MILES. TURN RIGHT ON NFSR 310. PROJECT SITE WILL BE ON THE LEFT.

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RAYMOND HOLT — Digitally signed by RAYMOND HOLT Date: 2026.02.04 08:10:40 -07'00'
FOREST ENGINEER — DATE

CHELSEA MUISE — Digitally signed by CHELSEA MUISE Date: 2026.02.04 08:22:23 -07'00'
DISTRICT RANGER — DATE

NICOLE BRANTON — Digitally signed by NICOLE BRANTON Date: 2026.02.04 09:11:35 -07'00'
FOREST SUPERVISOR — DATE

DIRECTOR OF RECREATION — DATE

APPROVED:

DIRECTOR OF ENGINEERING — DATE

5/20/25 09:23 LROLLINS C:\USERS\ROLLINS\BOX\RAMP\CHARTERTEAM-WORKINGFOLDERS\RAMPNSSTE\MIMSS_PROJECTSUPPORT_WORKING\DOCS\KAIBAB\GRANDVIEW - NFSR 307-310 ROAD AND PARKING LOT RECONSTRUCTION\DRAWINGS\DESIGN DRAWINGS\GRANDVIEW-307-310 IMPROVEMENT PLANS.DWG;

GENERAL NOTES (PARKING LOT)

G1. DEFINITIONS
THE "CONTRACTING OFFICER" AS REFERENCED HERIN REFERS TO THE GOVERNMENT CONTRACTING OFFICER OVERSEEING THE CONTRACT. THE "CONTRACTOR" AS REFERENCED HEREIN REFERS TO THE COMPANY OR PERSON PERFORMING THE INSTRUCTED WORK.

G2. SCOPE
THE NOTES ON THIS SHEET AND THE STANDARD DETAILS ARE GENERAL AND APPLY TO THE ENTIRE PROJECT WHETHER SPECIFICALLY CALLED OUT OR NOT, EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY ON THE DRAWING SHEETS. IF THERE ARE QUESTIONS, THEY SHALL BE SUBMITTED TO THE CONTRACTING OFFICER AND ANSWERED IN WRITING PRIOR TO CONSTRUCTION.

G3. STANDARD DETAILS
THE STANDARD DETAILS DEPICT TYPICAL DETAILING TO BE USED ON THIS PROJECT. IF CONDITIONS ARE NOT EXPLICITLY SHOWN ON THE DRAWINGS THEY SHALL BE MADE SIMILAR TO THE STANDARD DETAILS. OBTAIN APPROVAL OF CONTRACTING OFFICER IN WRITING FOR SIMILAR CONDITIONS PRIOR TO CONSTRUCTION.

G4. COMPLETE & OPERABLE SYTEMS
FURNSH AND INSTALL COMPLETE AND OPERABLE SYSTEMS AND FEATURES OF WORK. IF THERE IS AN OMISSION ON THE PLANS, SUCH OMISSION SHALL NOT BE CONSTRUED TO MEAN THAT THE CONTRACTOR IS NOT REQUIRED TO FURNISH OR PROVIDE ALL THAT IS NECESSARY FOR COMPLETE AND OPERABLE SYSTEMS AND FEATURES OF WORK.

G5. ANY CHANGES TO THE DESIGN AS SHOWN MUST BE REVIEWED AND APPROVED BY THE CONTRACTING OFFICER BEFORE CHANGES ARE MADE. THIS INCLUDES CHANGES REQUESTED BY THE CONTRACTOR AND SUBCONTRACTORS.

G6. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE BLUE STAKE TO MARK AND IDENTIFY UNDERGROUND UTILITIES PRIOR TO EXCAVATION.

GENERAL NOTES (CONT'D)

G7. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION AS REQUIRED TO COORDINATE NEW CONSTRUCTION. SUBMIT REQUIRED CHANGES FOR APPROVAL.

G8. CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL JURISDICTIONAL SAFETY LAWS AND REGULATIONS.

G9. THE CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS AND ASSOCIATED FEES, AS REQUIRED, TO PERFORM THE WORK.

G10. CONTRACTOR SHALL PROVIDE ADEQUATE SIGNING, BARRICADES, FLAGGING, ETC. AND TAKE NECESSARY SAFETY MEASURES TO PROTECT THE PUBLIC DURING CONSTRUCTION, PER MUTCD AND OSHA.

G11: CONTRACTOR EQUIPMENT
EQUIPMENT SHALL BE OF THE APPROPRIATE SIZE, TYPE, AND MODEL, AND IN GOOD WORKING CONDITION, SUITABLE FOR THE WORK REQUIRED. OPERATORS SHALL BE COMPETENT, EXPERIENCED, AND CERTIFIED IN THE OPERATION OF EQUIPMENT. EQUIPMENT SHALL HAVE SAFETY SIGNING AND APPURTENANCES REQUIRED BY OSHA, SUCH AS ROLLOVER PROTECTION (ROPS), FIRE SUPPRESSION DEVICES, LIGHTS, AND SLOW MOVING VEHICLE SIGNS. GRADING EQUIPMENT MUST BY CAPABLE OF CUTTING, CROWNING, AND SHAPING MATERIAL TO PERFORM THE TASKS OUTLINED IN THE PROJECT. EQUIPMENT SHALL BE MADE AVAILABLE FOR INSPECTION PRIOR TO NOTICE TO PROCEED. IF, AT ANY TIME DURING THE CONTRACT, THE EQUIPMENT IS DEEMED UNSATISFACTORY OR UNSAFE, THE CONTRACTING OFFICER MAY REQUIRE REMOVAL AND REPLACEMENT AT NO EXPENSE TO THE GOVERNMENT. ANY MOVEMENT OR TRANSPORTATION OF EQUIPMENT TO OR FROM WORK AREAS, TO REPAIR OR REPLACE EQUIPMENT, OR FOR THE CONTRACTOR'S CONVENIENCE, SHALL BE AT THE CONTRACTOR'S EXPENSE.

PRIOR TO ENTERING FOREST LANDS, ENSURE EQUIPMENT IS WASHED, CLEANED, AND INSPECTED FOR NOXIOUS WEEDS, SOIL, VEGETATIVE MATTER, AND OTHER DEBRIS. PARTICULARLY THE EQUIPMENT UNDERCARRIAGE.

G12. ARCHEOLOGICAL DISCOVERY
IN THE EVENT OF INADVERTENT DISCOVERY

GENERAL NOTES (CONT'D)

OF POSSIBLE ARCHEOLOGICAL RESOURCES, STOP WORK IN THE IMMEDIATE VICINITY AND CONTACT THE CONTRACTING OFFICER. SECURE THE AREA AND RELOCATE WORK TO ANOTHER ARE OF THE PROJECT.

G13. ONSITE UTILITIES
THERE IS NO WATER, ELECTRICAL, OR SANITARY FACILITIES AVAILABLE FOR CONTRACTOR USE AT THE PROJECT SITE.

G14. PRESERVATION OF NATURAL FEATURES
A. PREVENT DAMAGE TO NATURAL SURROUNDINGS. RESTORE DAMAGED AREAS, REPAIRING OR REPLACING DAMAGED TREES AND PLANTS, AT NO COST TO THE GOVERNMENT.

B. DO NOT REMOVE, INJURE, OR DESTROY TREES OR OTHER PLANTS WITHOUT PRIOR APPROVAL, OR AS INDICATED IN THE CONTRACT.

C. SUPERVISE EXCAVATING, GRADING, BACKFILLING, AND OTHER OPERATIONS NEAR TREES TO PREVENT DAMAGE.

D. INTEGRATE TREE PROTECTION MEASURES AS DETAIL ON SHEET C-10 / 2 FOR TREES DIRECTLY ADJACENT TO, OR IN THE IMMEDIATE VICINITY OF, CLEARING, GRUBBING, AND EXCAVATION ACTIVITIES.

G15. CONTRACTOR USE OF PREMISES
LIMIT USE OF PREMISES TO WORK WITHIN THE CONSTRUCTION LIMITS. DO NOT DISTURB PORTIONS OF THE SITE BEYOND WHERE CONSTRUCTION LIMITS ARE INDICATED.

G16. WORK SCHEDULING
NORMAL WORKING HOURS FOR CONSTRUCTION ARE 0700 TO 1800, MONDAY THROUGH SUNDAY. REQUESTS FOR ADDITIONAL HOURS REQUIRES WRITTEN APPROVAL BY THE C.O. WITH SEVEN (7) DAYS ADVANCED NOTICE.

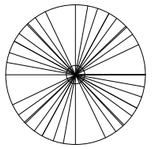
G17. WHEN THE TERMS "REMOVE", "DISPOSE", "DEMOLISH", OR "DEMO" ARE USED, DISPOSE LEGALLY OFFSITE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY, STATE, AND FEDERAL JURISDICTIONS. ANY SALVAGE VALUE AS A RESULT OF THE WORK SHALL BE INCLUDED IN THE INITIAL BIDDING DOCUMENT.

LINE SYMBOLOGY

CENTERLINE OF ROAD

EXSISTING TRAVEL AREA

LEGEND



EXISTING TREE

PROPOSED BOULDER

United States Department of Agriculture
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PROJECT NAME

NFSR 307/310 ROAD AND PARKING LOT RECONSTRUCTION

KAIBAB NATIONAL FOREST

TUSAYAN RANGER DISTRICT

DRAWING TITLE

GENERAL NOTES

DATE XX/XX/XXXX	ARCHIVE NO.
DESIGNER L.ROLLINS	DRAWING SHEET NO. C02
DRAWN L.ROLLINS	
CHECKED R.SHAW	
PROJECT NO.	SHEET 002 OF 12

4/17/25 15:07 L.ROLLINS C:\USERS\LROLLINS\BOX\RAMPCHARTERTEAM-WORKINGFOLDERS\RAMPMSSTE-AMIMSS_PROJECTSUPPORT_WORKINGDOCS\KAIBAB\GRANDVIEW - NFSR 307-310 ROAD AND PARKING LOT RECONSTRUCTION\DRAWINGS\DESIGN DRAWINGS\GRANDVIEW-307-310 IMPROVEMENT PLANS.DWG;

GENERAL NOTES (ROAD CONDITIONING)

1. SPECIFIED SOURCE OF CRUSHED AGGREGATE SURFACING MATERIAL FOR THE NFSR 307 AND 310 RECONDITION AND RESURFACING PROJECT WILL BE AVAILABLE AT CRAZY COW PIT,

2. REMOVE ALL LOOSE ROCK FROM ROADWAY DITCHES. ROCK MAY BE USED AS RIPRAP IN CULVERT CATCHMENTS AND ROLLING DIP OUTFLOW.

3. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL HAUL ROADS USED, BEFORE, DURING, AND AFTER OPERATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR THIS REQUIRED MAINTENANCE.

4. CONTRACTOR SHALL MAINTAIN/CLEAN ALL CATTLE GUARDS AND MAINTAIN/CLEAN AND SHAPE ALL EXISTING LEAD-OFF DITCHES AND ALL CULVERT RELIEF DITCHES FOR THEIR ENTIRE LENGTH. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO FP-24 AND FSSS SECTION 303. ANY EXCESS MATERIAL MAY BE USED TO MEET NOTE 7 BELOW.

5. CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FEATURES, (IE: LEAD OUTS, FURROW DITCHES, DITCHES, ETC.). ANY EXCESS MATERIAL MAY BE USED TO MEET NOTE 7 BELOW.

6. THE ROADWAY SPECIFIED FOR RESURFACING WILL BE RECONDITIONED PRIOR TO THE PLACEMENT OF AGGREGATE SURFACING. ALL SEGMENTS OF THE RECONDITIONED ROAD SHALL BE APPROVED IN WRITING BY THE COR PRIOR TO SURFACE PLACEMENT.

7. ALL CULVERTS SHALL HAVE A MINIMUM OF ONE FOOT OF COVER, NOT INCLUDING SURFACING, MEASURED FROM THE TOP OF THE CULVERT.

8. SUBMISSION OF A TRAFFIC CONTROL PLAN MUST BE REVIEWED AND APPROVED BY THE COR 30 DAYS PRIOR TO INTENDED USE.

9. CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL NECESSARY BARRICADES, SUITABLE AND SUFFICIENT WARNING LIGHTS, DANGER SIGNALS, AND WARNING SIGNS AND FURNISH ALL NECESSARY TRAFFIC CONTROL FLAGGING. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN FOR THE PROTECTION OF THE WORK AND SAFETY OF THE PUBLIC. ALL SIGNS AND DEVICES REMAIN THE PROPERTY AND RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL SIGNS AS REQUIRED BY MUTCD STANDARDS.

10. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS FOR THIS TYPE OF CONSTRUCTION, INCLUDING ANY ASSOCIATED FEES.

11. NO GOVERNMENT WATER SOURCE IS AVAILABLE AT THE PROJECT SITE.

12. VEHICULAR TRAFFIC SHALL NOT BE OBSTRUCTED FOR PERIODS IN EXCESS OF THIRTY MINUTES.

13. BERMS OF MATERIALS OR OTHER OBSTRUCTIONS CAUSED BY MAINTENANCE OPERATIONS SHALL BE REMOVED PRIOR TO THE END OF EACH DAY'S OPERATIONS AND ARE NOT TO REMAIN OVERNIGHT, WEEKENDS, AND HOLIDAYS, IF, DUE TO WEATHER CONDITIONS OR EQUIPMENT BREAKDOWNS, BERMS OR OBSTRUCTIONS CANNOT BE REMOVED, THEY SHALL BE SIGNED AS A HAZARD AND VISIBLY ILLUMINATED AT NIGHT.

14. CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, SUPERVISION, SIGNING, TRANSPORTATION, OPERATING SUPPLIES, AND INCIDENTALS NECESSARY TO PERFORM THE REQUIRED ROAD MAINTENANCE.

15. CONTRACTOR SHALL FURNISH ALL EQUIPMENT/PERSONNEL AS REQUIRED BY THE FIRE PLAN(S).

16. PUBLIC AND PRIVATE PROPERTY ALONG AND ADJACENT TO THE PROJECT SHALL NOT BE DAMAGED. ANY DAMAGED OR DESTROYED PROPERTY SHALL BE PROMPTLY REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. WHEN OPERATING ADJACENT TO RAILWAYS, TELEGRAPH, TELEPHONE, POWER LINES OR ANY OTHER TYPE OF PUBLIC UTILITY, THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO PREVENT DAMAGE AND SHALL ASSUME ALL RESPONSIBILITIES SHOULD ANY DAMAGE OCCUR. PER FP-24 SECTION 107. REFER TO NOTE 20 BELOW.

17. CONTRACTOR'S OPERATION SHALL BE CONDUCTED SO AS TO PREVENT SILTATION OF STREAM BEDS, LAKES, STOCK TANKS OR RESERVOIRS. POLLUTANTS SUCH AS FUELS, LUBRICANTS, BITUMEN, AND ANY OTHER HARMFUL MATERIAL SHALL NOT BE DISCHARGED ON FOREST SERVICE LANDS.

18. VEHICLES AND MECHANIZED EQUIPMENT SHALL NOT BE OPERATED OUTSIDE THE EXISTING ROAD PRISM, INCLUDING IDLING, WITHOUT PRIOR ARCHEOLOGICAL SURVEY AND CLEARANCE. THE CONTRACTOR SHALL CONTACT THE COR FOR APPROVAL IF SUCH OPERATION IS REQUIRED.

19. CONTRACTOR IS RESPONSIBLE FOR CONTACTING BLUESTAKE (800-782-5348) PRIOR TO WORK IF THERE IS ANY RISK OF HITTING UNDERGROUND UTILITIES WHILE PERFORMING ANY EXCAVATION WORK REQUIRED AS PART OF THIS CONTRACT.

20. RESHAPE AGGREGATE SURFACE PER THE TYPICAL DETAILS. REMOVE AND/OR REPAIR IRREGULARITIES IN THE SURFACE. COMPACT PER FSSS SECTION 301.05 METHOD “A” UNTIL ALL VISUAL DISTURBANCES CEASE.

21. ALL CONSTRUCTION VEHICLES SHALL BE CLEAN AND FREE OF WEEDS AND OTHER HARMFUL MATERIALS.

22. RECONDITIONING AT CURVES SHALL BE COMPLETE PER PAGE C-01 "TYPICAL CROSS SECTIONS WITH AGGREGATE SURFACING AND ROADWAY DITCH" TO ENSURE A MAXIMUM CROSS SLOPE OF 3%.

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PROJECT NAME

NFSR 307/310 ROAD AND PARKING LOT RECONSTRUCTION

KAIBAB NATIONAL FOREST

TUSAYAN RANGER DISTRICT

DRAWING TITLE

GENERAL NOTES (CONT'D)

DATE XX/XX/XXXX	ARCHIVE NO.
DESIGNER L.ROLLINS	DRAWING SHEET NO. C03
DRAWN L.ROLLINS	
CHECKED R.SHAW	
PROJECT NO.	SHEET 003 OF 012

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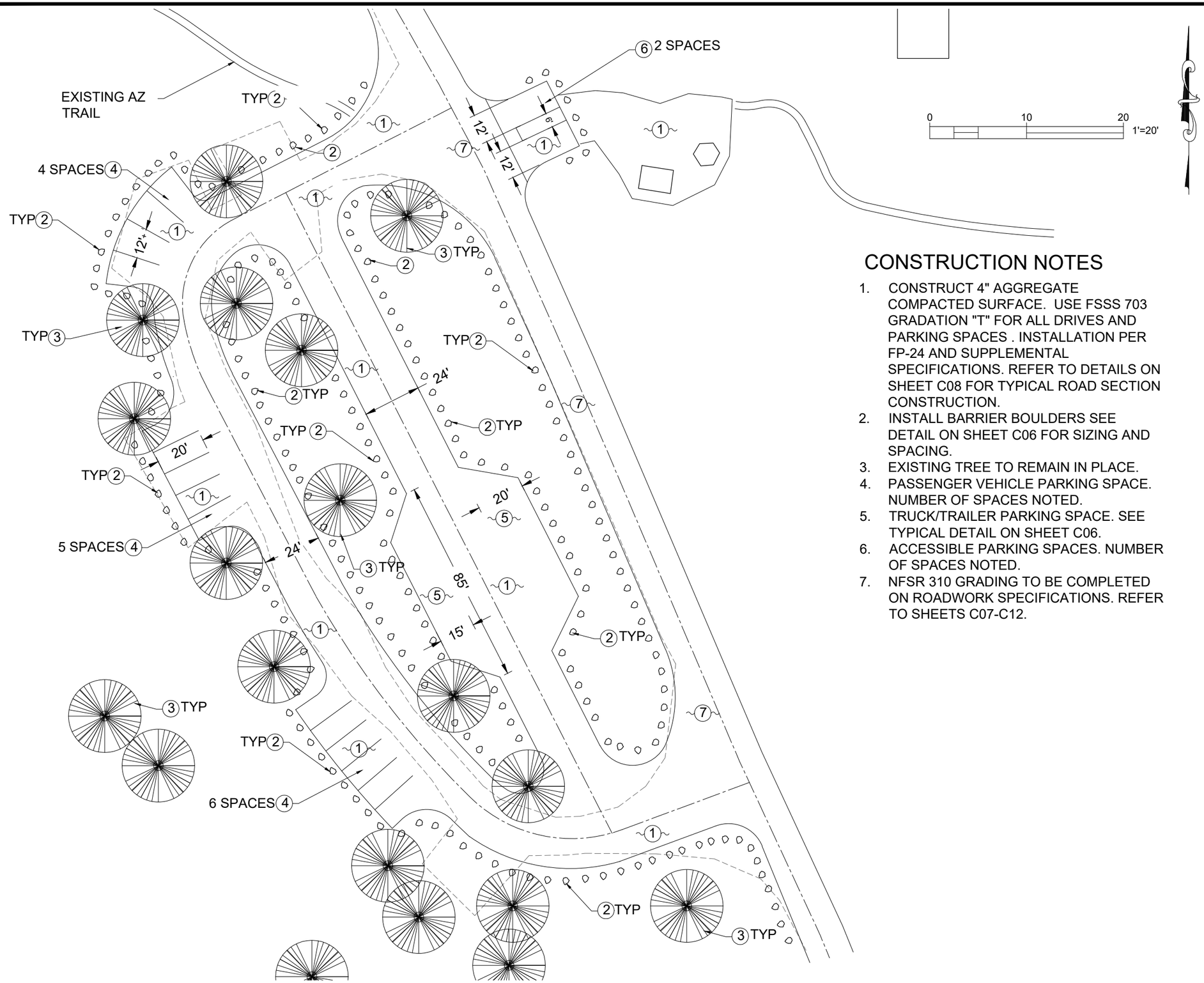

CONSTRUCTION NOTES

1. CONSTRUCT 4" AGGREGATE COMPACTED SURFACE. USE FSSS 703 GRADATION "T" FOR ALL DRIVES AND PARKING SPACES . INSTALLATION PER FP-24 AND SUPPLEMENTAL SPECIFICATIONS. REFER TO DETAILS ON SHEET C08 FOR TYPICAL ROAD SECTION CONSTRUCTION.
2. INSTALL BARRIER BOULDERS SEE DETAIL ON SHEET C06 FOR SIZING AND SPACING.
3. EXISTING TREE TO REMAIN IN PLACE.
4. PASSENGER VEHICLE PARKING SPACE. NUMBER OF SPACES NOTED.
5. TRUCK/TRAILER PARKING SPACE. SEE TYPICAL DETAIL ON SHEET C06.
6. ACCESSIBLE PARKING SPACES. NUMBER OF SPACES NOTED.
7. NFSR 310 GRADING TO BE COMPLETED ON ROADWORK SPECIFICATIONS. REFER TO SHEETS C07-C12.

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NFSR 307/310 ROAD AND PARKING LOT RECONSTRUCTION

KAIBAB NATIONAL FOREST

TUSAYAN RANGER DISTRICT

DRAWING TITLE

TRAILHEAD PARKING IMPROVEMENTS

DATE XX/XX/XXXX	ARCHIVE NO.
DESIGNER L.ROLLINS	DRAWING SHEET NO. C04
DRAWN L.ROLLINS	
CHECKED R.SHAW	
PROJECT NO.	SHEET 004 OF 012

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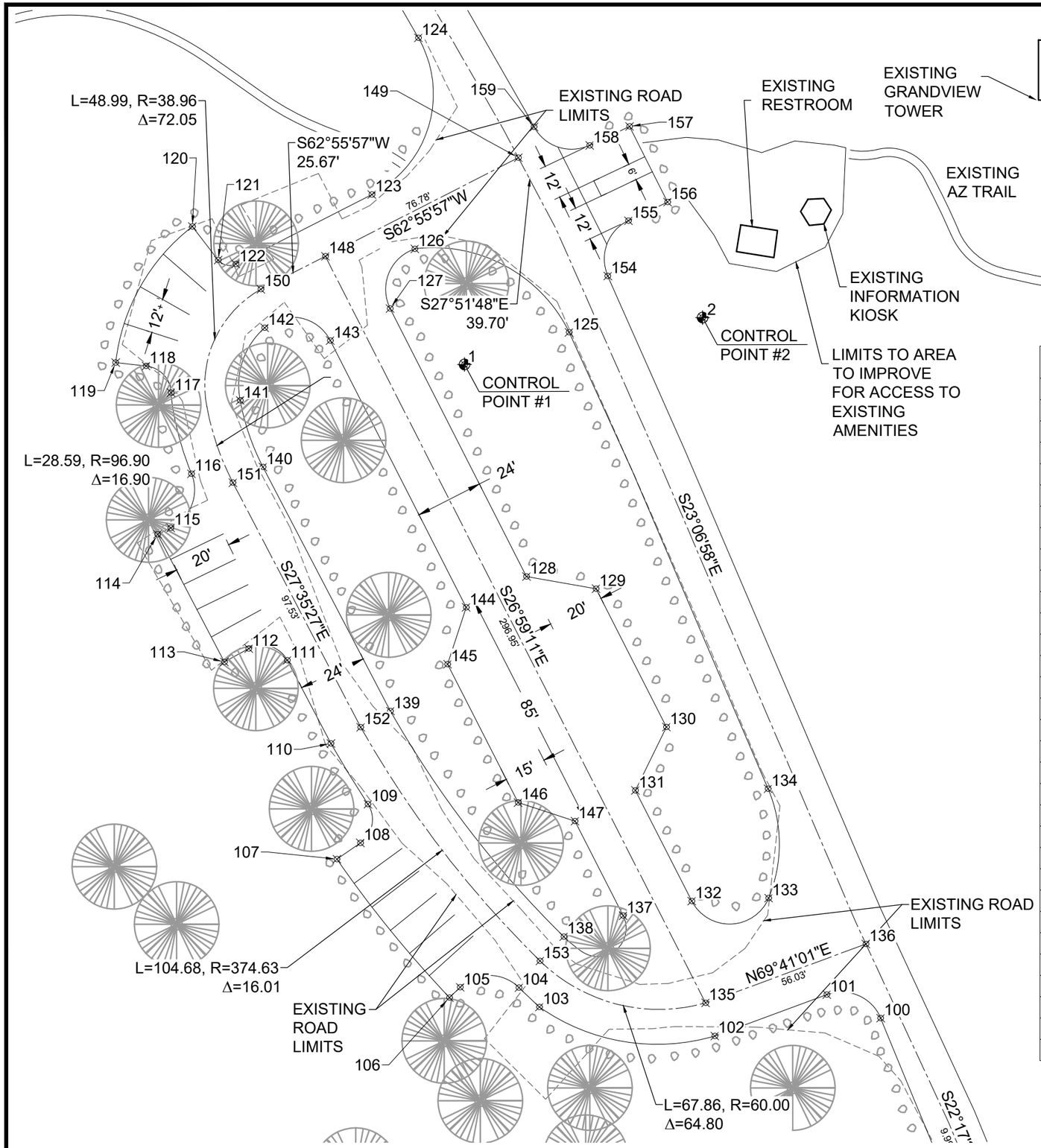

POINT TABLE		
POINT #	NORTHING	EASTING
1	1803715.09	688536.62
2	1803731.70	688620.98
100	1803483.52	688684.06
101	1803491.90	688664.98
102	1803477.20	688625.29
103	1803487.46	688563.16
104	1803494.34	688555.92
105	1803494.47	688535.11
106	1803490.83	688531.29
107	1803539.87	688491.41
108	1803545.62	688499.74
109	1803559.33	688502.42
110	1803580.84	688489.32
111	1803610.32	688473.85
112	1803614.44	688460.18
113	1803609.72	688451.58
114	1803654.91	688427.89
115	1803657.18	688432.57
116	1803676.38	688439.91
117	1803705.14	688432.67
118	1803714.56	688423.81
119	1803715.78	688413.05
120	1803763.96	688440.21
121	1803752.09	688449.37
122	1803750.69	688455.61
123	1803775.32	688503.80
124	1803830.82	688520.31
125	1803726.49	688573.68
126	1803756.06	688519.03
127	1803734.90	688510.27
128	1803639.97	688558.60

POINT TABLE		
POINT #	NORTHING	EASTING
129	1803635.68	688583.22
130	1803586.67	688608.18
131	1803564.23	688597.16
132	1803524.99	688617.14
133	1803526.06	688644.37
134	1803564.80	688644.15
135	1803488.97	688622.02
136	1803509.82	688678.81
137	1803519.85	688592.83
138	1803512.38	688571.80
139	1803592.33	688510.39
140	1803678.77	688465.22
141	1803702.39	688457.15
142	1803728.10	688465.84
143	1803723.60	688489.07
144	1803629.07	688537.20
145	1803608.91	688530.65
146	1803559.90	688555.60
147	1803553.34	688575.77
148	1803753.43	688487.34
149	1803788.37	688555.71
150	1803741.75	688464.49
151	1803673.21	688454.58
152	1803586.58	688499.85
153	1803503.82	688563.39
154	1803746.42	688587.39
155	1803766.05	688594.69
156	1803772.63	688608.58
157	1803799.43	688595.08
158	1803792.73	688580.95
159	1803799.27	688561.26

0 10 20
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PROJECT NAME

NFSR 307/310 ROAD AND PARKING LOT RECONSTRUCTION

KAIBAB NATIONAL FOREST

TUSAYAN RANGER DISTRICT

DRAWING TITLE

PARKING LOT HORIZONTAL CONTROL PLAN

DATE XX/XX/XXXX	ARCHIVE NO.
DESIGNER L.ROLLINS	DRAWING SHEET NO. C05
DRAWN L.ROLLINS	
CHECKED R.SHAW	
PROJECT NO.	SHEET 005 OF 012

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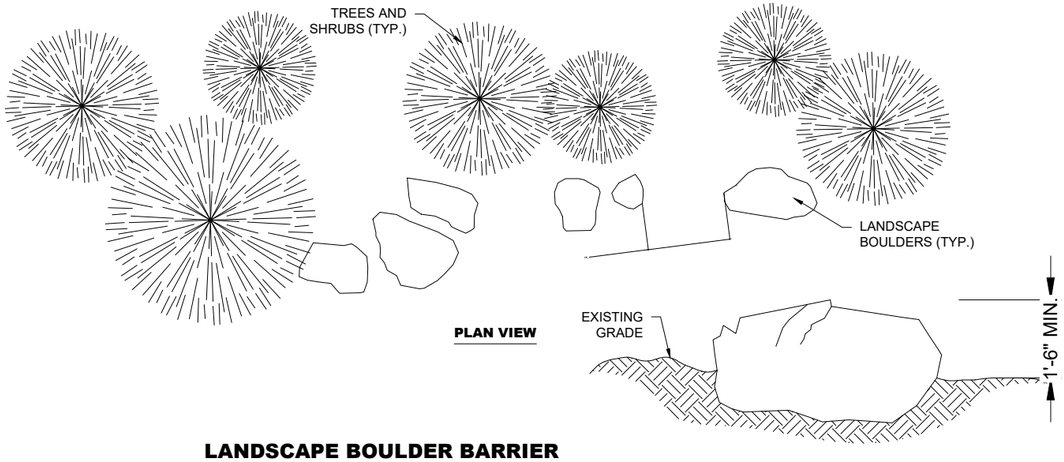
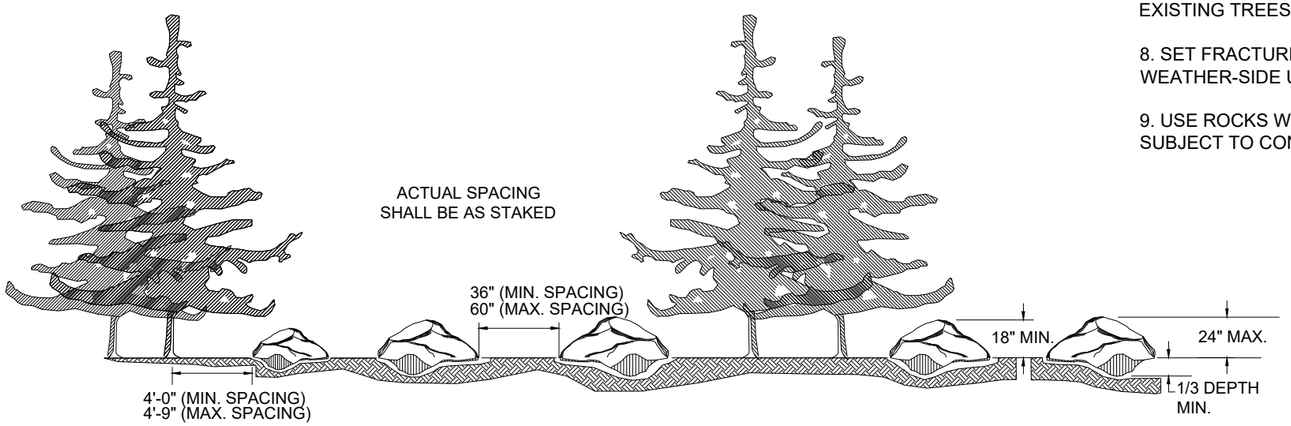
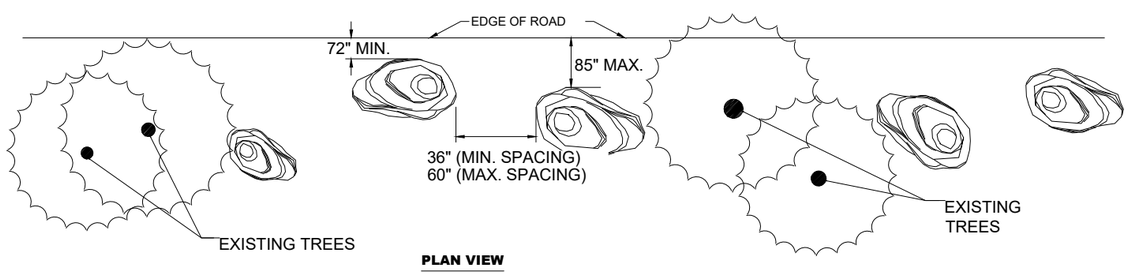


LANDSCAPE BOULDER BARRIER

NOT TO SCALE





LANDSCAPE BOULDER BARRIER

NOT TO SCALE

BOULDER NOTES

1. PLACE ROCKS IRREGULARLY IN LUMPS OF GROUPINGS OF ONE (1) TO THREE (3) ROCKS, WEATHERED SIDE UP.

2. DO NOT PLACE BOULDERS IN A STRAIGHT LINE.

3. BOULDER LOCATIONS SHOWN ARE RELATIVE. FINAL PLACEMENT AND LOCATION SHALL BE APPROVED BY THE CONTRACTING OFFICER PRIOR TO FINAL INSTALLATION.

4. USE BOULDERS WITH A MINIMUM DIAMETER OF TWENTY-FOUR (24) INCHES.

5. SPACE ROCKS WITH A MINIMUM PASS-THROUGH OF 36", NOT TO EXCEED 60", UNLESS OTHERWISE NOTED. DISTANCE APPLIES TO EDGE OF ROAD AND NATURAL BARRIERS.

6. SET BOULDERS 1/3 TO 1/2 BELOW FINISHED GRADE.

7. USE NATURAL CONTROLS TO THE GREATEST EXTENT, SUCH AS EXISTING TREES, SHRUBS AND ROCK OUTCROPINGS.

8. SET FRACTURED OR SOILED SIDE OF ROCK INTO EARTH. FACE WEATHER-SIDE UP.

9. USE ROCKS WITHIN CONSTRUCTION AREA FOR SALVAGE AND USE, SUBJECT TO CONTRACTING OFFICER APPROVAL.

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NFSR 307/310 ROAD AND PARKING LOT RECONSTRUCTION

KAIBAB NATIONAL FOREST

TUSAYAN RANGER DISTRICT

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SITE IMPROVEMENTS DETAILS

DATE XX/XX/XXXX	ARCHIVE NO.
DESIGNER L.ROLLINS	DRAWING SHEET NO. C06
DRAWN L.ROLLINS	
CHECKED R,SHAW	
PROJECT NO.	SHEET 006 OF 012

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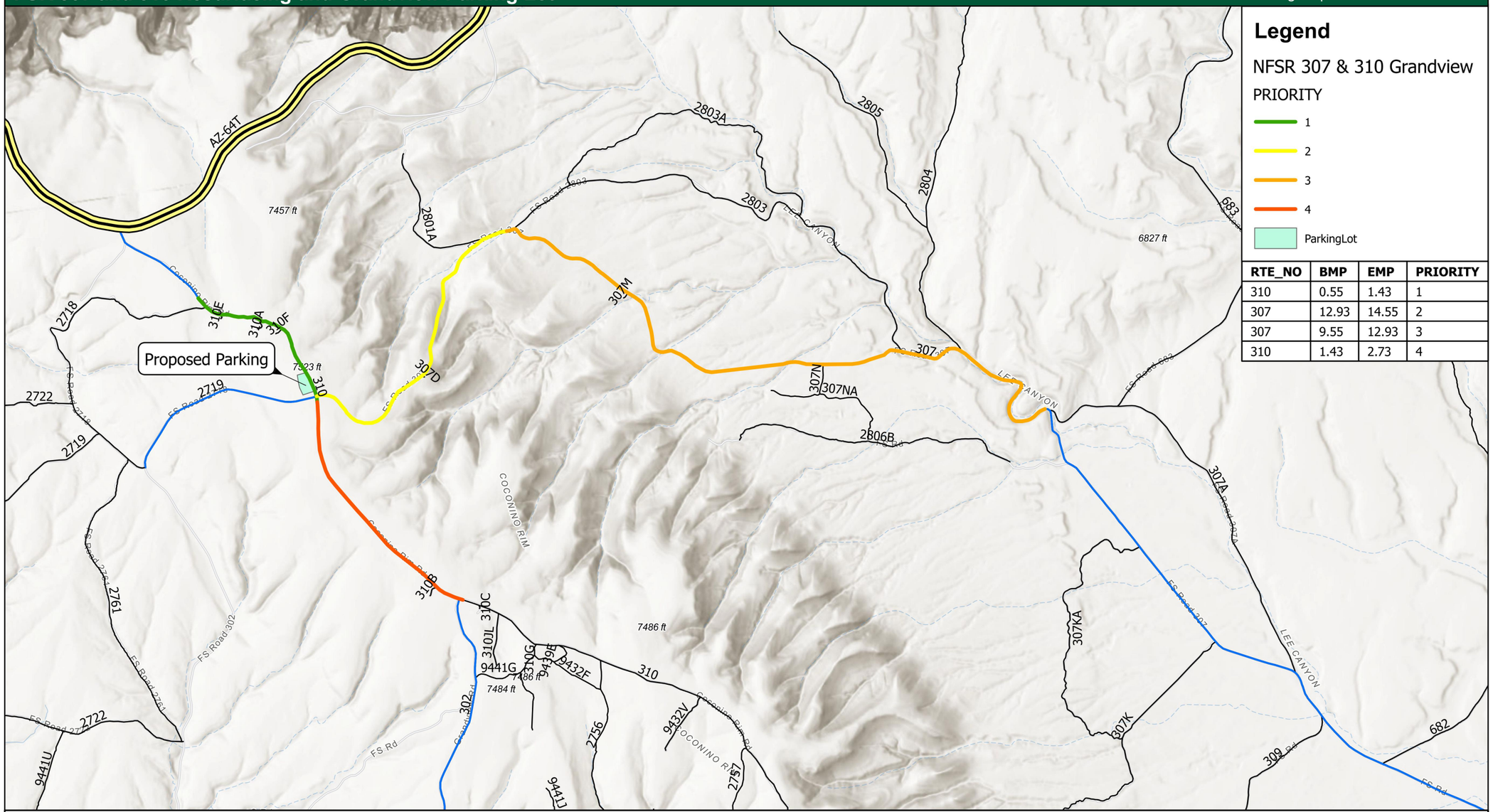
Forest Service
U.S. DEPARTMENT OF AGRICULTURE

FSR 307 and 310 Resurfacing and Grandview Parking Lot

Southwestern Region | Kaibab National Forest



Legend

NFSR 307 & 310 Grandview

PRIORITY

- 1
- 2
- 3
- 4
- ParkingLot

RTE_NO	BMP	EMP	PRIORITY
310	0.55	1.43	1
307	12.93	14.55	2
307	9.55	12.93	3
310	1.43	2.73	4

N

0 0.25 0.5 1 1.5 Miles

NAD 1983 UTM Zone 12N

3/27/2025

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United States Department of Agriculture
Forest Service

R03
SOUTHWESTERN REGION

STAMPS, LOGOS, AND SEALS

NO.	REVISION / ISSUE	DATE
4		
3		
2		
1		

PROJECT NAME

NFSR 307/310 ROAD AND PARKING LOT RECONSTRUCTION

KAIBAB NATIONAL FOREST

TUSAYAN RANGER DISTRICT

DRAWING TITLE

ROADWORK CONTRACT MAP

DATE XX/XX/XXXX

ARCHIVE NO.

DESIGNER L.ROLLINS

DRAWN L.ROLLINS

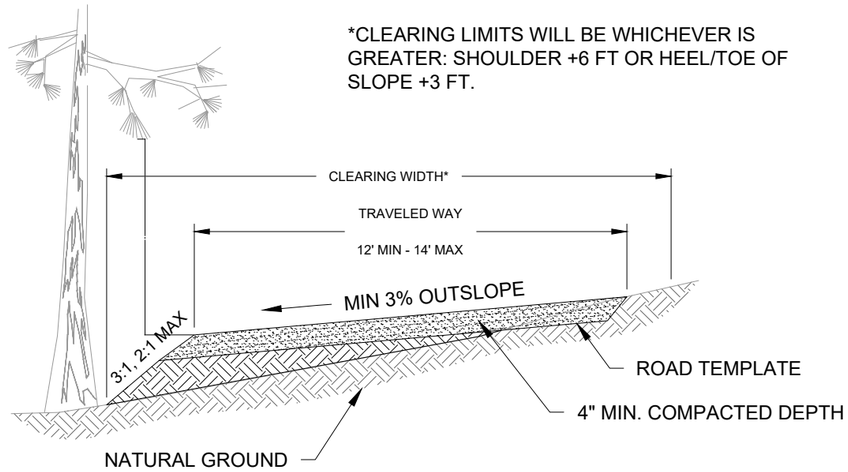
CHECKED R.SHAW

PROJECT NO.

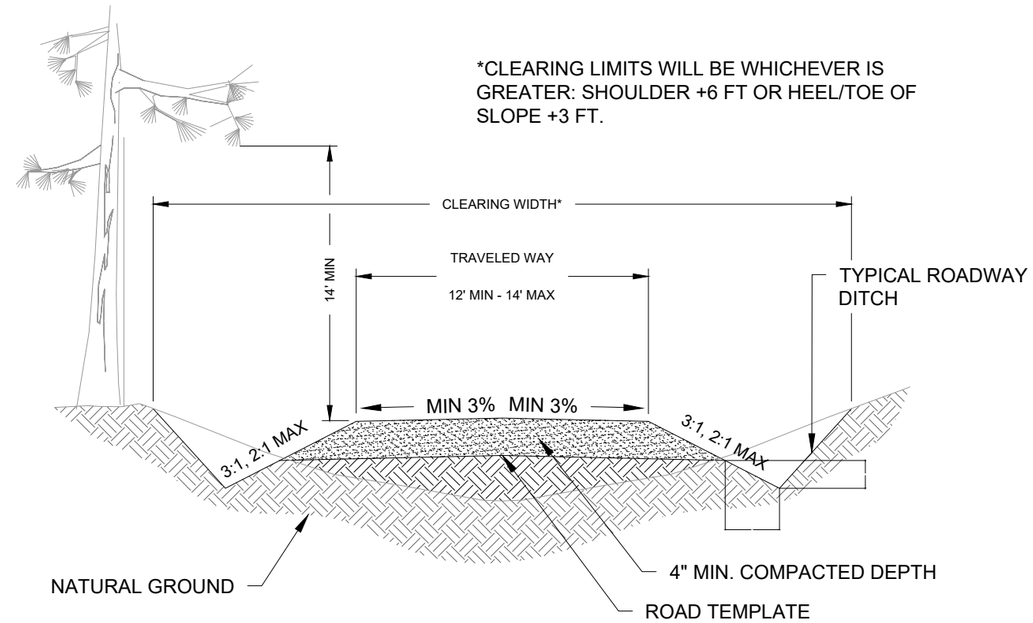
DRAWING SHEET NO. **C07**

SHEET 007 OF 012

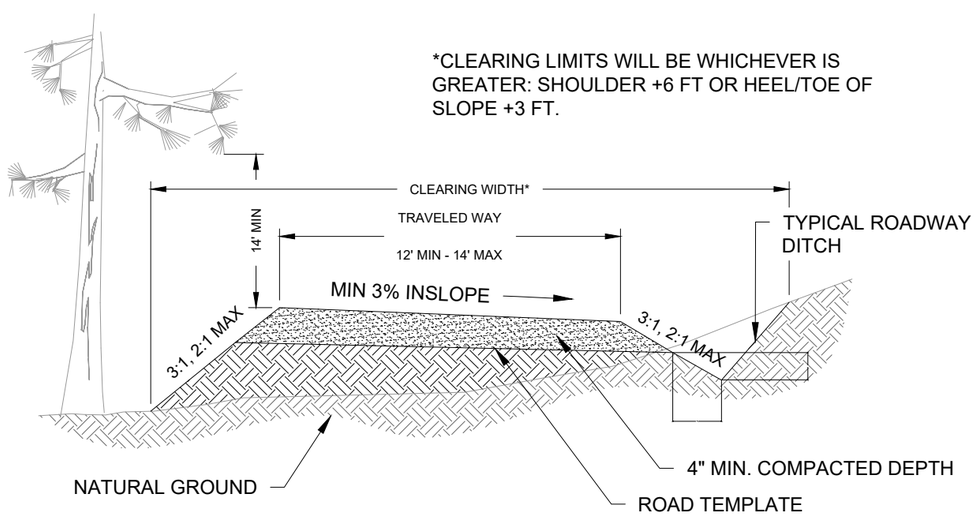
4/17/25 15:07 L.ROLLINS C:\USERS\LROLLINS\BOXR\AMPCHARTERTEAM-WORKINGFOLDERS\RAMPMSSTEAM\MSS_PROJECTSUPPORT_WORKING\DOCS\KAIBAB\GRANDVIEW - NFSR 307-310 ROAD AND PARKING LOT RECONSTRUCTION\DRAWINGS\DESIGN DRAWINGS\GRANDVIEW-307-310 IMPROVEMENT PLANS.DWG;



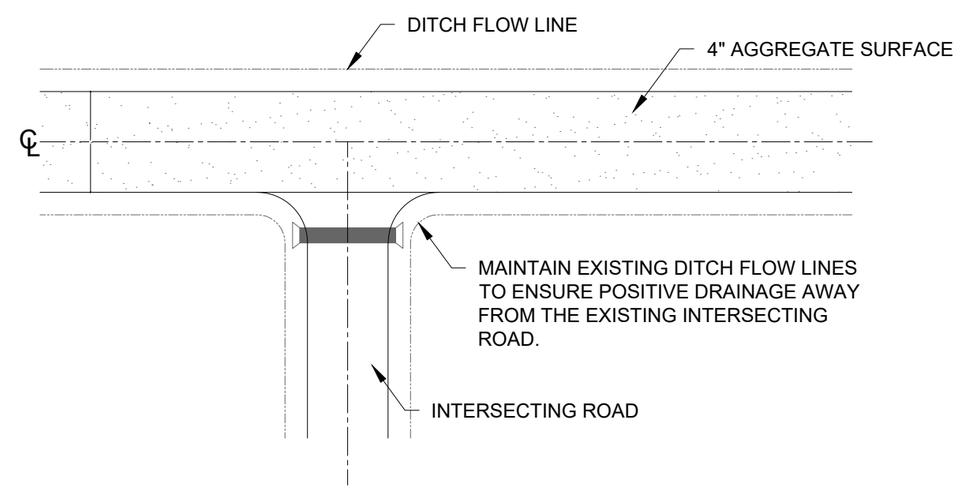
TYPICAL CROSS-SECTION WITH AGGREGATE SURFACING AND WITHOUT ROADWAY DITCH



TYPICAL CROSS-SECTION WITH AGGREGATE SURFACING, CROWN, AND ROADWAY DITCH



TYPICAL CROSS-SECTION WITH AGGREGATE SURFACING AND ROADWAY DITCH



INTERSECTION GRADING AND SHAPING

United States Department of Agriculture
Forest Service

R03
SOUTHWESTERN REGION

STAMPS, LOGOS, AND SEALS

NO.	REVISION / ISSUE	DATE
4		
3		
2		
1		

PROJECT NAME

NFSR 307/310 ROAD AND PARKING LOT RECONSTRUCTION

KAIBAB NATIONAL FOREST

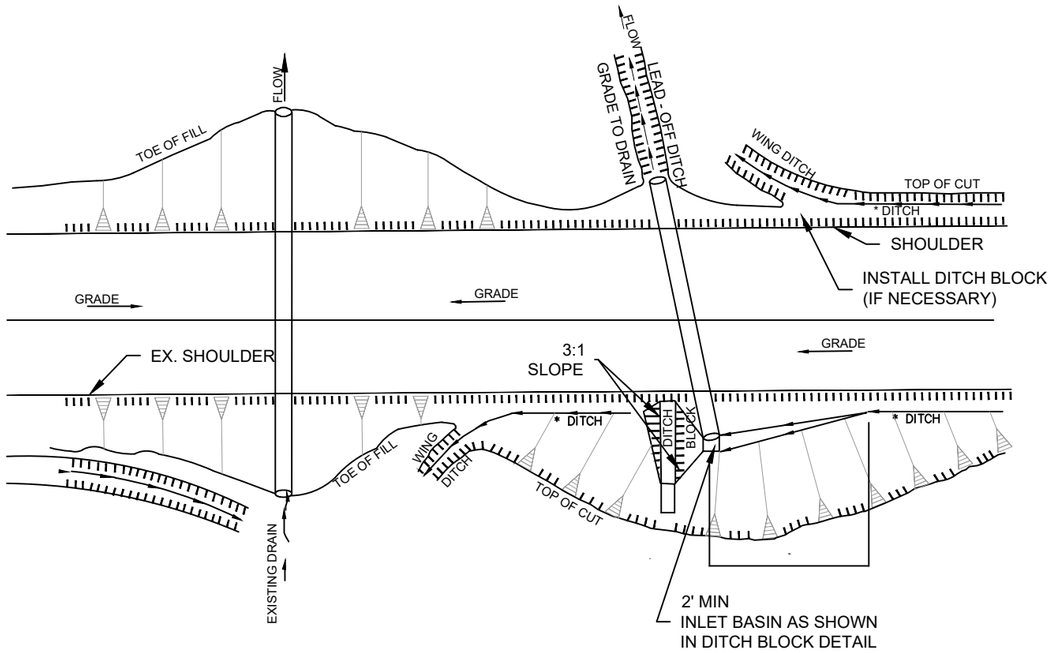
TUSAYAN RANGER DISTRICT

DRAWING TITLE

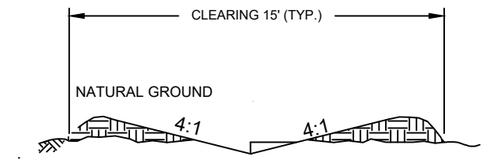
ROADWORK DETAILS

DATE XX/XX/XXXX
ARCHIVE NO.
DESIGNER L.ROLLINS
DRAWN L.ROLLINS
CHECKED R.SHAW
PROJECT NO.
DRAWING SHEET NO. **C08**
SHEET 008 OF 012

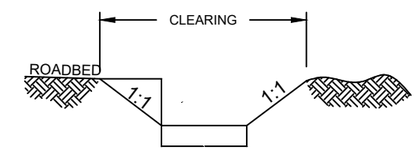
4/17/25 15:07 L.ROLLINS C:\USERS\LROLLINS\BOX\RAMPCHARTERTEAM-WORKINGFOLDERS\RAMPMSSTEAMMSS_PROJECTSUPPORT_WORKINGDOCS\KAIBAB\GRANDVIEW - NFSR 307-310 ROAD AND PARKING LOT RECONSTRUCTION\DRAWINGS\DESIGN DRAWINGS\GRANDVIEW-307-310 IMPROVEMENT PLANS.DWG;



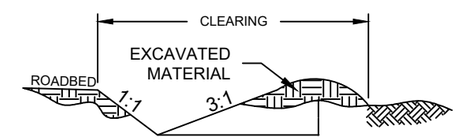
SAMPLE DITCH TYPICAL



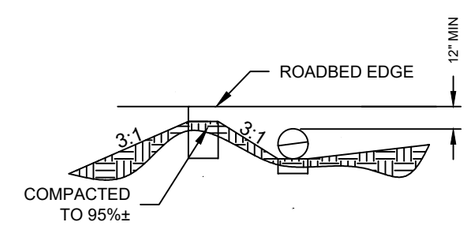
LEAD OUT DITCH



FLAT BOTTOM DITCH



WING DITCH



DITCH BLOCK

NOTES:

1. THE SLOPE OF LEAD OUT DITCHES SHALL BE CONSTRUCTED TO A MINIMUM OF -2% SLOPE WITHIN THE PREVIOUSLY EXISTING DISTURBED SOIL.
2. DITCH BLOCK WILL NOT BE REQUIRED WHEN INLET BASIN IS IN A SAG.
3. DITCH BLOCK ELEVATION SHALL BE 4" LOWER THAN THE ADJACENT SUBGRADE ELEVATION.

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PROJECT NAME

NFSR 307/310 ROAD AND PARKING LOT RECONSTRUCTION

KAIBAB NATIONAL FOREST

TUSAYAN RANGER DISTRICT

DRAWING TITLE

ROADWORK DETAILS

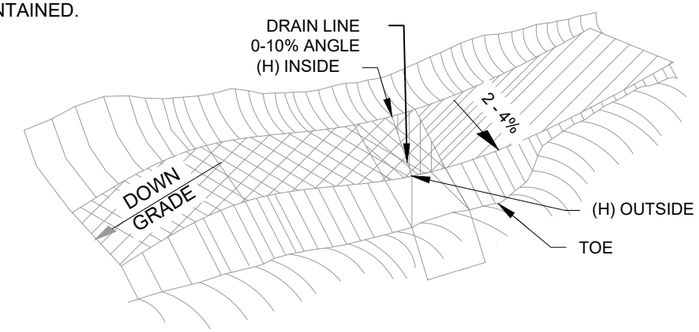
DATE XX/XX/XXXX	ARCHIVE NO.
DESIGNER L.ROLLINS	DRAWING SHEET NO. C09
DRAWN L.ROLLINS	
CHECKED R.SHAW	
PROJECT NO.	SHEET 009 OF 012

4/22/25 09:33 L.ROLLINS C:\USERS\LROLLINS\BOX\RAMPCHARTERTEAM-WORKINGFOLDERS\RAMPMISSTEAM\MISS_PROJECTSUPPORT_WORKING\DOCS\KAIBAB\GRANDVIEW - NFSR 307-310 ROAD AND PARKING LOT RECONSTRUCTION\DRAWINGS\DESIGN DRAWINGS\GRANDVIEW-307-310 IMPROVEMENT PLANS.DWG;

ROLLING DIP NOTES:

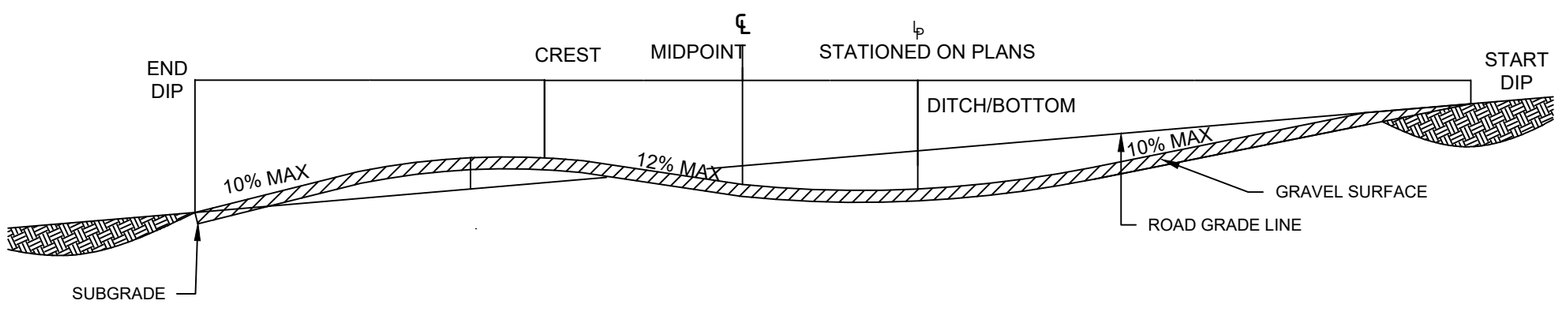
1. THE CROSS SLOPE OF THE ROADBED SHALL BE MAINTAINED THROUGH THE DIP.
2. THE DRAIN LINE SHALL BE SKEWED OFF OF THE ROADBED TO ALLOW POSITIVE DRAINAGE, UNLESS OTHERWISE FLAGGED.
3. FOR DIPS ON AGGREGATE SURFACE ROADS, ADD DEPTH OF COMPACTED SURFACE TO DIMENSION (H).
4. ROLLING DIP CONSTRUCTION, COMPACTION AND TOLERANCES SHALL BE IN ACCORDANCE WITH FSSS SECTION 301.05, METHOD A.
5. ALL DITCHES ASSOCIATED WITH ROLLING DIP STRUCTURES SHALL BE MAINTAINED WITHIN THE PROJECT SITE.
6. DIRECTION OF EXISTING WATER FLOW SHALL BE MAINTAINED.

ROLLING DIP CONSTRUCTION DIMENSIONS				
TYPE "1"				
%GRADE	LENGTH		DEPTH (H)	
	A	B	OUTSIDE EDGE	INSIDE EDGE
0-4%	18	55	0.9'	0.4'
5-8%	16	85	0.8'	0.3'
9-12%	15	110	0.7'	0.3'



ROLLING DRAINAGE DIP PERSPECTIVE

NOT TO SCALE



ROLLING DRAINAGE DIP PROFILE

NOT TO SCALE

USDA FOREST SERVICE

United States Department of Agriculture
Forest Service

R03
SOUTHWESTERN REGION

STAMPS, LOGOS, AND SEALS

NO.	REVISION / ISSUE	DATE
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3		
2		
1		

PROJECT NAME

NFSR 307/310 ROAD AND PARKING LOT RECONSTRUCTION

KAIBAB NATIONAL FOREST

TUSAYAN RANGER DISTRICT

DRAWING TITLE

DRAWING TITLE

DATE XX/XX/XXXX

ARCHIVE NO.

DESIGNER L.ROLLINS

DRAWN L.ROLLINS

CHECKED R.SHAW

PROJECT NO.

DRAWING SHEET NO. **C10**

SHEET 010 OF 012

4/17/25 15:07 L.ROLLINS C:\USERS\LROLLINS\BOX\RAMPCHARTERTEAM-WORKINGFOLDERS\RAMPMSSTEAMMSS_PROJECTSUPPORT_WORKINGDOCS\KAIBAB\GRANDVIEW - NFSR 307-310 ROAD AND PARKING LOT RECONSTRUCTION\DRAWINGS\DESIGN DRAWINGS\GRANDVIEW-307-310 IMPROVEMENT PLANS.DWG;

WORK DESCRIPTION - NFSR 307

MILE POST 0.00 - 5.01: RECONDITION ROAD IN ACCORDANCE WITH FP-24 AND FSSS SECTION 303. RESURFACE ROAD IN ACCORDANCE WITH THE FP-24 AND FSSS SECTION 301. LOAD, HAUL, SPREAD, AND COMPACT AGGREGATE (USING COMPACTION METHOD A) TO A MINIMUM COMPACTED DEPTH OF 4" UTILIZING CRAZY COW PIT AGGREGATE STOCKPILE. CLEAN OUT DRAINAGE STRUCTURES IN ACCORDANCE WITH FP-24 SECTION 607. MAINTAIN ALL EXISTING CULVERTS, CATTLE GUARDS, LEAD OUTS, AND ROAD JUNCTIONS, INCLUDING THOSE NOT LISTED.

PROJECT M.P.

0.00 JCT NFSR310. BEGIN RECONDITIONING OF ROAD AND RESURFACING WITH 4” (COMPACTED DEPTH) OF CRUSHED AGGREGATE SURFACING ACROSS A ROAD WIDTH OF 12' TO 14’ MAX AND CLEANING AND SHAPING OF ROADSIDE DITCHES ON BOTH SIDES.
0.00 REPLACE STOP SIGN ON THE LEFT.
0.01 PROTECT IN PLACE EXISTING ROUTE MARKER ON THE RIGHT.
0.03 PROTECT IN PLACE EXISTING GUIDE SIGN ON THE LEFT.
0.05 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.08 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.12 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.16 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.19 MAINTAIN EXISTING JUNCTION WITH AZ TRAIL ON THE LEFT.
0.20 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.20 CLEAN OUT EXISTING CATTLEGUARD. 22'8" CATTLE GUARD WITH CONCRETE BASE.
0.21 MAINTAIN EXISTING JUNCTION WITH AZ TRAIL ON THE RIGHT.
0.32 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
0.40 PROTECT IN PLACE EXISTING 18" CULVERT.
0.46 REFORM EXISTING LEAD OUT ON THE RIGHT.
0.48 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.52 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
0.54 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.57 REFORM EXISTING LEAD OUT ON THE RIGHT.
0.59 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
0.61 CLEAN OUT AND PROTECT IN PLACE EXISTING 18" CULVERT. CULVERT IS FULL.
0.69 MAINTAIN EXISTING LEAD OUT ON THE RIGHT. NFSR 307D TO THE RIGHT.
0.70 PROTECT IN PLACE EXISTING WARNING SIGN ON THE RIGHT.
0.70 CONSTRUCT CHECK DAMS IN THE LEFT DITCH EVERY 50 FEET FROM 0.70 TO 0.83.
0.79 REFORM EXISTING LEAD OUT ON THE RIGHT.
0.82 MAINTAIN EXISTING LEAD OUT ON THE RIGHT INTO OUTLET BASIN.
0.83 RESHAPE INTEL BASIN FOR EXISTING 18" CULVERT.
0.89 PROTECT IN PLACE EXISTING 24" CULVERT.
0.89 CONSTRUCT CHECK DAMS IN THE LEFT DITCH EVERY 50 FEET FROM 0.89 TO 1.17.
0.98 PROTECT IN PLACE EXISTING 18" CULVERT.
1.07 PROTECT IN PLACE EXISTING 18" CULVERT.
1.15 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.21 MAINTAIN EXISTING LEAD OUT ON THE RIGHT. DITCH GOES AROUND TREE.
1.25 PROTECT IN PLACE EXISTING DOUBLE 18" CULVERTS.
1.27 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.30 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
1.34 PROTECT IN PLACE EXISTING 24" CULVERT.
1.35 MAINTAIN EXISTING TURN OUT ON THE LEFT.
1.43 PROTECT IN PLACE EXISTING GUIDE SIGN ON THE RIGHT.
1.45 PROTECT IN PLACE EXISTING ROUTE MARKER ON THE LEFT.
1.47 MAINTAIN EXISTING INTERSECTION WITH NFSR 2801A ON THE LEFT.
1.51 PROTECT IN PLACE EXISTING GUIDE SIGN ON THE RIGHT.
1.52 MAINTAIN EXISTING TURN OUT ON THE LEFT.
1.54 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
1.57 PROTECT IN PLACE EXISTING 24" CULVERT.
1.59 REPAIR ROAD SLOUGHING ON THE LEFT.
1.61 PROTECT IN PLACE EXISTING GUIDE SIGN ON THE RIGHT.
1.65 MAINTAIN EXISTING INTERSECTION WITH NFSR 2803 ON THE LEFT.
1.69 PROTECT IN PLACE EXISTING ROUTE MARKER ON THE LEFT.
1.75 REFORM ROLLING DIP ON THE LEFT.

WORK DESCRIPTION - NFSR 307 CONTINUED

1.77 MAINTAIN EXISTING DIP. NO LEAD OUT ON LEFT BUT CROSSES THE ROAD.
1.80 REFORM ROLLING DIP ON THE LEFT.
1.87 REFORM ROLLING DIP ON THE LEFT.
1.92 REFORM ROLLING DIP ON THE LEFT.
1.98 REFORM ROLLING DIP ON THE LEFT.
2.02 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
2.05 REFORM ROLLING DIP ON THE LEFT
2.09 MAINTAIN EXISTING LEAD OUT ON THE LEFT TO OUTLET.
2.12 PROTECT IN PLACE EXISTING 18" CULVERT. REFORM RIGHT DITCH TO 2.25.
2.13 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO INLET BASIN.
2.17 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
2.21 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
2.25 MAINTAIN EXISTING LEAD OUT ON THE LEFT
2.31 REFORM EXISTING LEAD OUT ON THE LEFT.
2.32 MAINTAIN EXISTING INTERSECTION ON THE RIGHT WITH NFSR 307M.
2.36 PROTECT IN PLACE EXISTING 30" CULVERT.
2.37 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO INLET BASIN.
2.38 MAINTAIN EXISTING LEAD OUT ON THE LEFT TO THE OUTLET.
2.40 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
2.44 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO INLET BASIN.
2.45 PROTECT IN PLACE EXISTING 18" CULVERT.
2.46 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO INLET BASIN.
2.46 MAINTAIN EXISTING LEAD OUT ON THE LEFT TO INLET BASIN.
2.53 PROTECT IN PLACE EXISTING 18" CULVERT.
2.62 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
2.64 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO INLET DRAINAGE.
2.67 MAINTAIN EXISTING LEAD OUT ON THE LEFT TO THE OUTLET.
2.69 PROTECT IN PLACE EXISTING 30" CULVERT.
2.69 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO INLET BASIN.
2.85 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO INLET BASIN.
2.86 MAINTAIN EXISTING LEAD OUT ON THE LEFT TO THE OUTLET.
2.87 PROTECT IN PLACE EXISTING 18" CULVERT.
2.88 MAINTAIN EXISTING LEAD OUT ON THE LEFT TO THE OUTLET.
2.91 REFORM EXISTING LEAD OUTS ON LEFT AND RIGHT TO THE INLET BASINS.
2.92 PROTECT IN PLACE EXISTING 18" CULVERT.
2.96 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
2.98 MAINTAIN EXISTING LEAD OUT ON THE LEFT TO THE OUTLET.
2.99 PROTECT IN PLACE EXISTING 18" CULVERT.
3.00 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO INLET BASIN.
3.05 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
3.10 MAINTAIN EXISTING LEAD OUT ON THE LEFT TO OUTLET.
3.10 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO INLET.
3.11 PROTECT IN PLACE EXISTING 18" CULVERT.
3.15 MAINTAIN EXISTING SUPER-ELEVATED SLOPE TO LEFT WITH NO RIGHT DITCH TO BMP 3.25.
3.18 MAINTAIN EXISTING ROLLING DIP TO THE LEFT.
3.25 MAINTAIN EXISTING LEAD OUT ON THE LEFT TO OUTLET.
3.26 PROTECT IN PLACE EXISTING 24" CULVERT.
3.26 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO INLET BASIN.
3.26 MAINTAIN EXISTING ROADWAY WITH NO RIGHT DITCH TO BMP 3.37.
3.27 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
3.30 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
3.36 MAINTAIN EXISTING LEAD OUT ON THE LEFT TO OUTLET.
3.37 PROTECT IN PLACE EXISTING 60" CULVERT WITH INLET WINGWALLS.
3.38 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO INLET BASIN.
3.39 MAINTAIN EXISTING LEAD OUT ON THE LEFT TO OUTLET.
3.39 MAINTAIN EXISTING ROADWAY WITH NO RIGHT DITCH TO BMP 3.46.
3.46 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
3.51 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
3.53 MAINTAIN EXISTING INTERSECTION WITH PRIVATE ROAD TO THE RIGHT.
3.53 MAINTAIN EXISTING ROADWAY WITH NO RIGHT DITCH TO BMP 3.62.
3.57 MAINTAIN EXISTING LEAD OUT ON THE LEFT.

United States Department of Agriculture
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SOUTHWESTERN REGION

STAMPS, LOGOS, AND SEALS

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3		
2		
1		

PROJECT NAME

NFSR 307/310 ROAD AND PARKING LOT RECONSTRUCTION

KAIBAB NATIONAL FOREST

TUSAYAN RANGER DISTRICT

DRAWING TITLE

ROADWORK DESCRIPTION

DATE XX/XX/XXXX
ARCHIVE NO.
DESIGNER L.ROLLINS
DRAWN L.ROLLINS
CHECKED R.SHAW
PROJECT NO.
DRAWING SHEET NO. C11
SHEET 011 OF 012

4/22/25 09:31 LROLLINS C:\USERS\LROLLINS\BOX\RAMPCHARTERTEAM-WORKINGFOLDERS\RAMPNSSTEAM\NSS_PROJECTSUPPORT_WORKING\DOCS\KAIBAB\GRANDVIEW - NFSR 307-310 ROAD AND PARKING LOT RECONSTRUCTION\DRAWINGS\DESIGN DRAWINGS\GRANDVIEW-307-310 IMPROVEMENT PLANS.DWG;

WORK DESCRIPTION - NFSR 307 CONTINUED

3.61 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
3.65 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
3.72 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
3.74 MAINTAIN EXISTING ROADWAY WITH NO RIGHT DITCH TO BMP 3.81.
3.81 REFORM ROLLING DIP ON THE LEFT.
3.89 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
3.93 MAINTAIN EXISTING INTERSECTION WITH NFSR 2803 ON THE LEFT.
3.94 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
3.95 PROTECT EXISTING ROUTE MARKER ON THE RIGHT.
3.97 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.00 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.07 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.09 REFORM EXISTING LEAD OUT ON THE RIGHT.
4.14 REFORM EXISTING LEAD OUT ON THE LEFT.
4.14 PROTECT IN PLACE EXISTING 24" CULVERT.
4.21 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.23 REFORM EXISTING LEAD OUT ON THE LEFT.
4.26 REMOVE SILT FROM EXISTING LOW WATER CROSSING TO THE LEFT.
4.30 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
4.34 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
4.38 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
4.51 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
4.54 REMOVE SILT FROM EXISTING LOW WATER CROSSING TO THE LEFT.
4.59 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.62 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.65 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.68 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.71 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.75 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.82 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.89 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
4.91 PROTECT IN PLACE EXISTING 20' GATE.
4.92 REFORM EXISTING LEAD OUT ON THE LEFT.
4.96 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
5.00 PROTECT IN PLACE EXISTING ROUTE MARKER ON THE LEFT.
5.01 MAINTAIN EXISTING INTERSECTION WITH NFSR 307A ON THE LEFT.

WORK DESCRIPTION - NFSR 310

MILE POST 0.00 - 2.15: RECONDITION ROAD IN ACCORDANCE WITH FP-24 AND FSSS SECTION 303. RESURFACE ROAD IN ACCORDANCE WITH THE FP-24 AND FSSS SECTION 301. LOAD, HAUL, SPREAD, AND COMPACT AGGREGATE (USING COMPACTION METHOD A) TO A MINIMUM COMPACTED DEPTH OF 4" UTILIZING CRAZY COW PIT AGGREGATE STOCKPILE. CLEAN OUT DRAINAGE STRUCTURES IN ACCORDANCE WITH FP-24 SECTION 607. MAINTAIN ALL EXISTING CULVERTS, CATTLE GUARDS, LEAD OUTS, AND ROAD JUNCTIONS, INCLUDING THOSE NOT LISTED. CONTRACTOR TO BLUESTAKE AS THERE IS A KNOWN BURIED CABLE LINE IN THE RIGHT SIDE DITCH.

PROJECT M.P.

0.00 NPS BOUNDARY. CLEAN EXISTING CATTLE GUARD.
0.00 MAINTAIN EXISTING GATE.
0.03 BOUNDARY SIGN ON THE RIGHT.
0.05 MAINTAIN EXISTING INTERSECTION WITH NFSR 2718 TO THE RIGHT.
0.06 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.06 MAINTAIN EXISTING TURNOUT ON THE RIGHT.
0.10 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.10 MAINTAIN EXISTING TURNOUT ON THE RIGHT TO BMP 0.13.
0.14 MAINTAIN EXISTING ROLLING DIP TO THE LEFT.
0.15 MAINTAIN EXISTING INTERSECTION WITH NFSR 310E TO THE RIGHT.
0.19 MAINTAIN EXISTING ROLLING DIP TO THE LEFT.

WORK DESCRIPTION - NFSR 310 CONTINUED

0.23 MAINTAIN EXISTING ROLLING DIP TO THE LEFT.
0.23 REPAIR EXISTING ROAD SURFACE TO BMP 0.28.
0.28 MAINTAIN EXISTING ROLLING DIP TO THE LEFT.
0.33 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.34 MAINTAIN EXISTING INTERSECTION WITH NFSR 310A TO THE RIGHT.
0.36 PROTECT CABLE ROX IN DITCH ON THE RIGHT.
0.37 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.41 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.45 MAINTAIN EXISTING INTERSECTION WITH NFSR 310F TO THE RIGHT.
0.46 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.50 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.53 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.56 MAINTAIN EXISTING TURNOUT ON THE RIGHT TO BMP 0.57.
0.59 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.63 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.65 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.68 MAINTAIN EXISTING LEAD OUT ON THE LEFT.
0.70 MAINTAIN EXISTING INTERSECTION WITH GRANDVIEW CABIN RD TO THE LEFT.
0.80 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
0.84 MAINTAIN EXISTING INTERSECTION WITH NFSR 307 TO THE LEFTT AND NFSR 2719 TO THE RIGHT.
0.86 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
0.87 REFORM EXISTING LEAD OUT ON THE LEFT.
0.99 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.01 CLEAN OUT EXISTING 15-FOOT CATTLE GUARD.
1.07 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.15 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.23 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.28 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.33 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.38 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO THE TANK.
1.39 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.46 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.53 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.59 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.65 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.70 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO THE TANK.
1.73 MAINTAIN EXISTING LEAD OUT ON THE RIGHT TO THE TANK.
1.78 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.81 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.90 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
1.97 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
2.01 MAINTAIN EXISTING INTERSECTION WITH NFSR 310B TO THE RIGHT.
2.03 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
2.06 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
2.11 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
2.14 MAINTAIN EXISTING LEAD OUT ON THE RIGHT.
2.15 MAINTAIN EXISTING INTERSECTION WITH NFSR 302 TO THE RIGHT.

United States Department of Agriculture
Forest Service

R03
SOUTHWESTERN REGION

STAMPS, LOGOS, AND SEALS

NO.	REVISION / ISSUE	DATE
4		
3		
2		
1		

PROJECT NAME
NFSR 307/310 ROAD AND PARKING LOT RECONSTRUCTION

KAIBAB NATIONAL FOREST

TUSAYAN RANGER DISTRICT

DRAWING TITLE
ROADWORK DESCRIPTION

DATE XX/XX/XXXX
ARCHIVE NO.
DESIGNER L.ROLLINS
DRAWN L.ROLLINS
CHECKED R.SHAW
PROJECT NO.
DRAWING SHEET NO. C12
SHEET 012 OF 012

4/22/25 09:32 LROLLINS C:\USERS\LROLLINS\BOXRAMPCHARTERTEAM-WORKINGFOLDERS\RAMPMISSTEAM\MSS_PROJECTSUPPORT_WORKINGDOCS\KAIBAB\GRANDVIEW - NFSR 307-310 ROAD AND PARKING LOT RECONSTRUCTION\DRAWINGS\DESIGN DRAWINGS\GRANDVIEW-307-310 IMPROVEMENT PLANS.DWG;