



WASHINGTON DEPARTMENT OF FISH AND WILDLIFE

LT MURRAY WILDIFE AREA
WHISKEY DICK ROAD MAINTENANCE
KS:R35:11-2

INDEX

SHEET NO.

1. COVER SHEET
2. VICINITY MAP
3. SITE PLAN 1
4. SITE PLAN 2
5. TYPICAL ROAD DETAILS
6. ROAD MAINTENANCE DETAILS

ABBREVIATIONS

ALUM	-	ALUMINUM
ARCH	-	ARCHAEOLOGICAL
L	-	ANGLE
APPROX-	-	APPROXIMATELY
BM	-	BENCH MARK
CL	-	CENTERLINE
CLR.	-	CLEARANCE
CONC	-	CONCRETE
Ø	-	DIAMETER
ELEV	-	ELEVATION
F.B.	-	FLAT BAR
FTG	-	FOOTING
GALV	-	GALVANIZED
GA.	-	GAUGE
ID	-	INSIDE DIAMETER
IE	-	INVERT ELEVATION
LG	-	LONG
M.B.	-	MACHINE BOLT
MFG.	-	MANUFACTURER'S
MISC.	-	MISCELLANEOUS
MOD.	-	MODEL
OC	-	ON CENTER
OD	-	OUTSIDE DIAMETER
PAV'T	-	ASPHALT CONCRETE PAVEMENT
PL	-	PLATE
PT	-	PRESSURE TREATED
REQ'D	-	REQUIRED
SEC.	-	SECTION
S.F.	-	SQUARE FEET
SHT.	-	SHEET
SPEC'S.	-	PROJECT SPECIFICATIONS
S.S.	-	STAINLESS STEEL
TYP	-	TYPICAL
W.S.	-	WATER SURFACE

SHEET SYMBOLS



DETAIL



SECTION

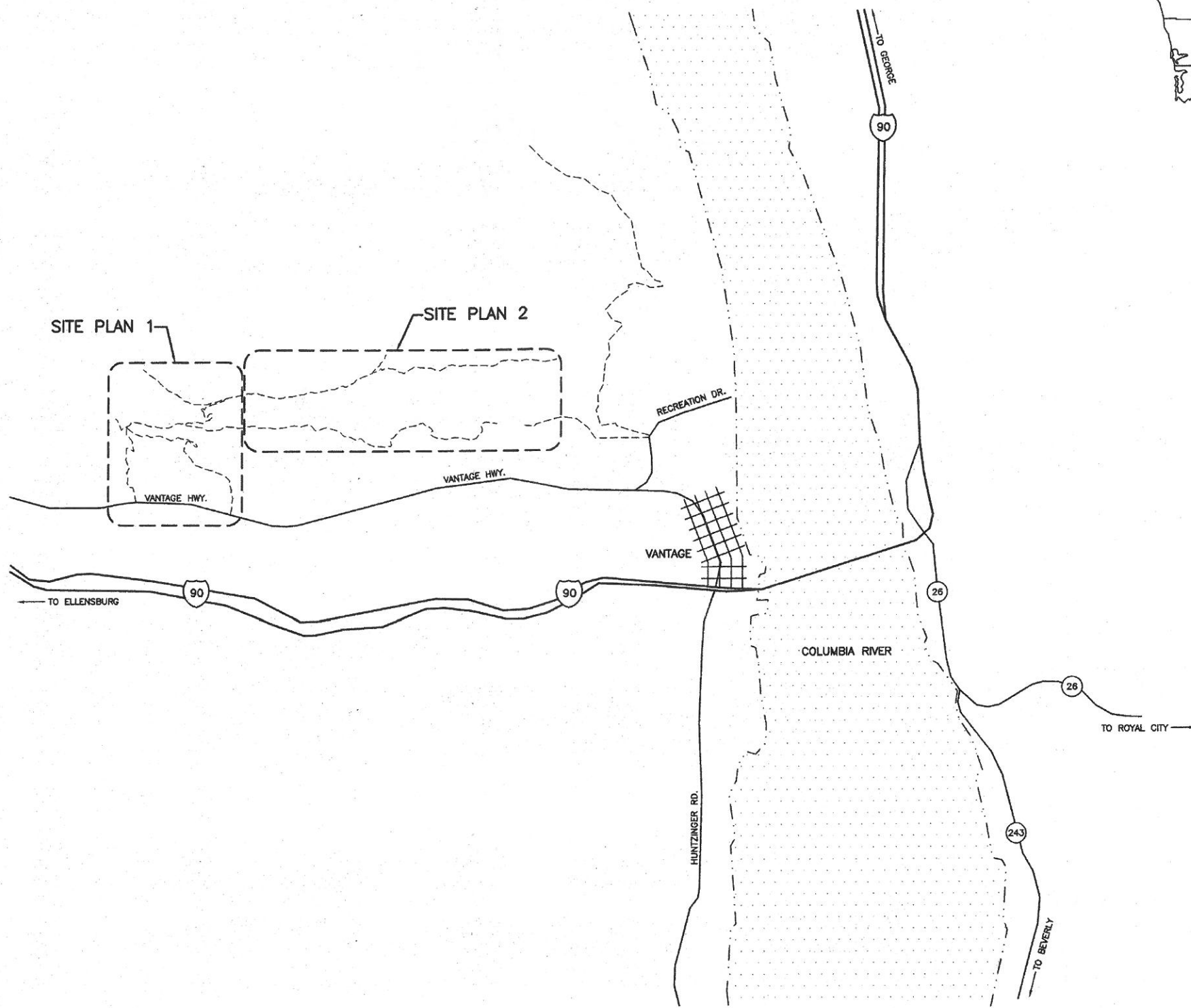


NOTE REFERENCE
REFERENCE DESIGNATION TO NOTE
APPEARING ON SAME SHEET

PROJECT NO. KS:R35:11-2	
SHEET	OF
1	6



STATE MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE



SYM	DATE	REVISION DESCRIPTION	BY
APPROVED AND RELEASED FOR CONSTRUCTION			
CHIEF ENGINEER		<i>Billie Phillips</i>	DATE: 1/13/2012
PROGRAM			DATE: 1/13/2012

0 1" BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

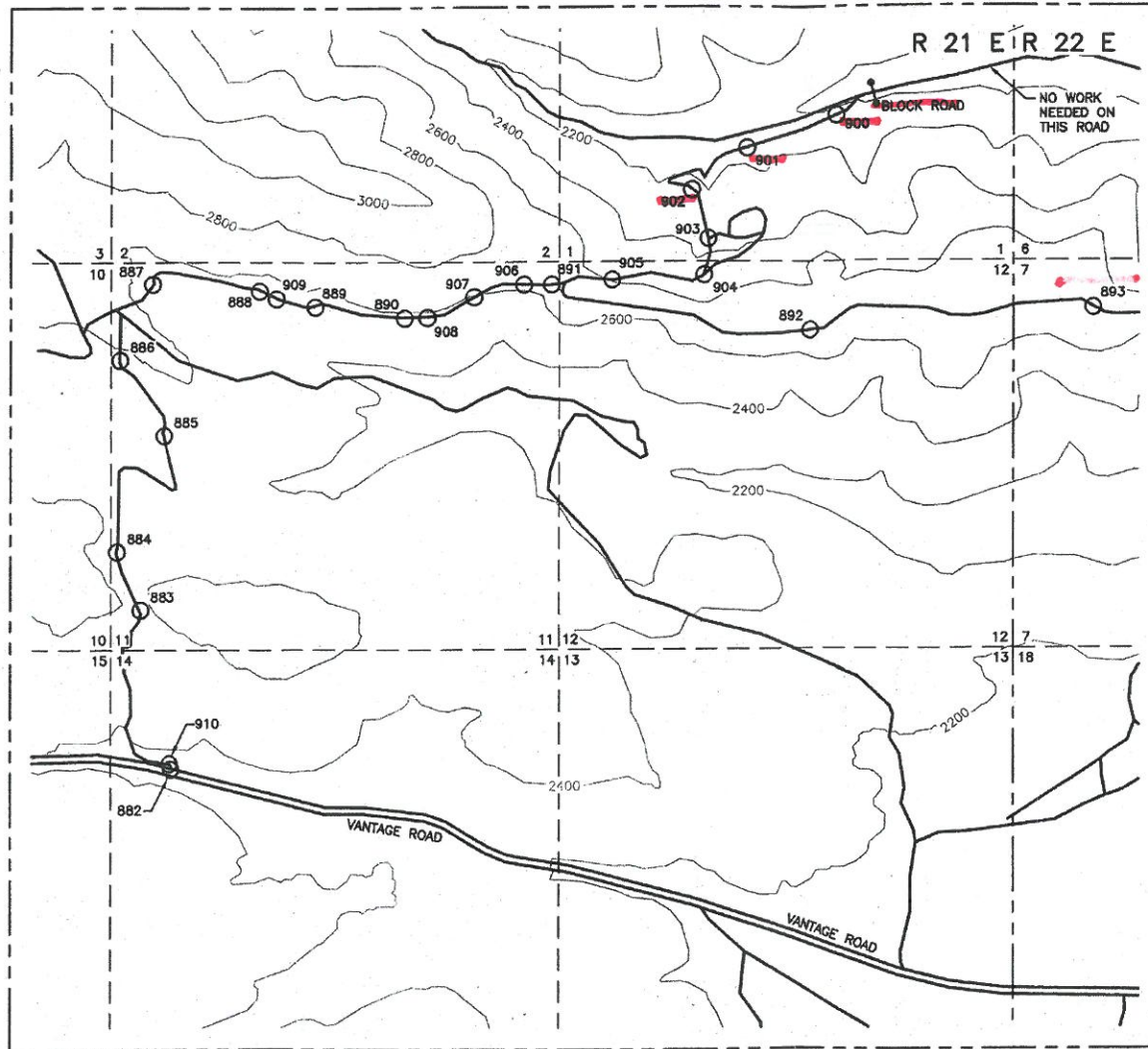
LT MURRAY WILDLIFE AREA
WHISKEY DICK ROAD
ROAD MAINTENANCE
VICINITY MAP

PROJECT NO.
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SITE PLAN 1
NOT TO SCALE

ROAD MAINTENANCE GPS POINTS				
POINT #	NORTHING	EASTING	ELEVATION	REMARKS
882	N46 57.982	W120 10.421	2352 FT	START
883	N46 58.355	W120 10.538	2587 FT	BUILD TURNOUT
884	N46 58.473	W120 10.584	2561 FT	DIG ROCK OUTCROP
885	N46 58.738	W120 10.456	2460 FT	DRIVABLE DIP
886	N46 58.941	W120 10.580	2605 FT	DIG ROCK OUTCROP
887	N46 59.096	W120 10.475	2558 FT	DRIVABLE DIP
888	N46 59.058	W120 10.182	2559 FT	DITCHOUT/CUTBERM
889	N46 59.028	W120 10.011	2552 FT	DRIVABLE DIP
890	N46 58.993	W120 09.774	2588 FT	DIG ROCK OUTCROP
891	N46 59.069	W120 09.356	2630 FT	DNR PROPERTY LINE
892	N46 58.965	W120 08.648	2731 FT	FIX OUTSLOPE - CROWN ROAD
893	N46 59.008	W120 07.851	2788 FT	DIG ROCK OUTCROP
900	N46 59.460	W120 08.543	1972 FT	WATER BAR
901	N46 59.382	W120 08.800	2046 FT	DRIVABLE DIP
902	N46 59.308	W120 08.945	2121 FT	DIG OUT 3' CHANNEL
903	N46 59.168	W120 08.938	2277 FT	BLOCK ROAD
904	N46 59.102	W120 08.925	2416 FT	BLOCK ROAD
905	N46 59.078	W120 08.195	2332 FT	BLOCK ROAD
906	N46 59.065	W120 09.441	2576 FT	DRIVABLE DIP
907	N46 59.054	W120 09.568	2568 FT	DRIVABLE DIP
908	N46 58.994	W120 09.727	2541 FT	DRIVABLE DIP
909	N46 59.032	W120 10.119	2502 FT	DRIVABLE DIP
910	N46 57.990	W120 10.436	2319 FT	PARKING/STAGING AREA

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PROGRAM		DATE: 1/13/2012	

0 ——— 1"
BAR MEASURES
ONE INCH ON
ORIGINAL DRAWINGS

DESIGNED BY K. KUYKENDALL
CHECKED BY
DRAWN BY A. JOHNSON
DATE 1/13/2012

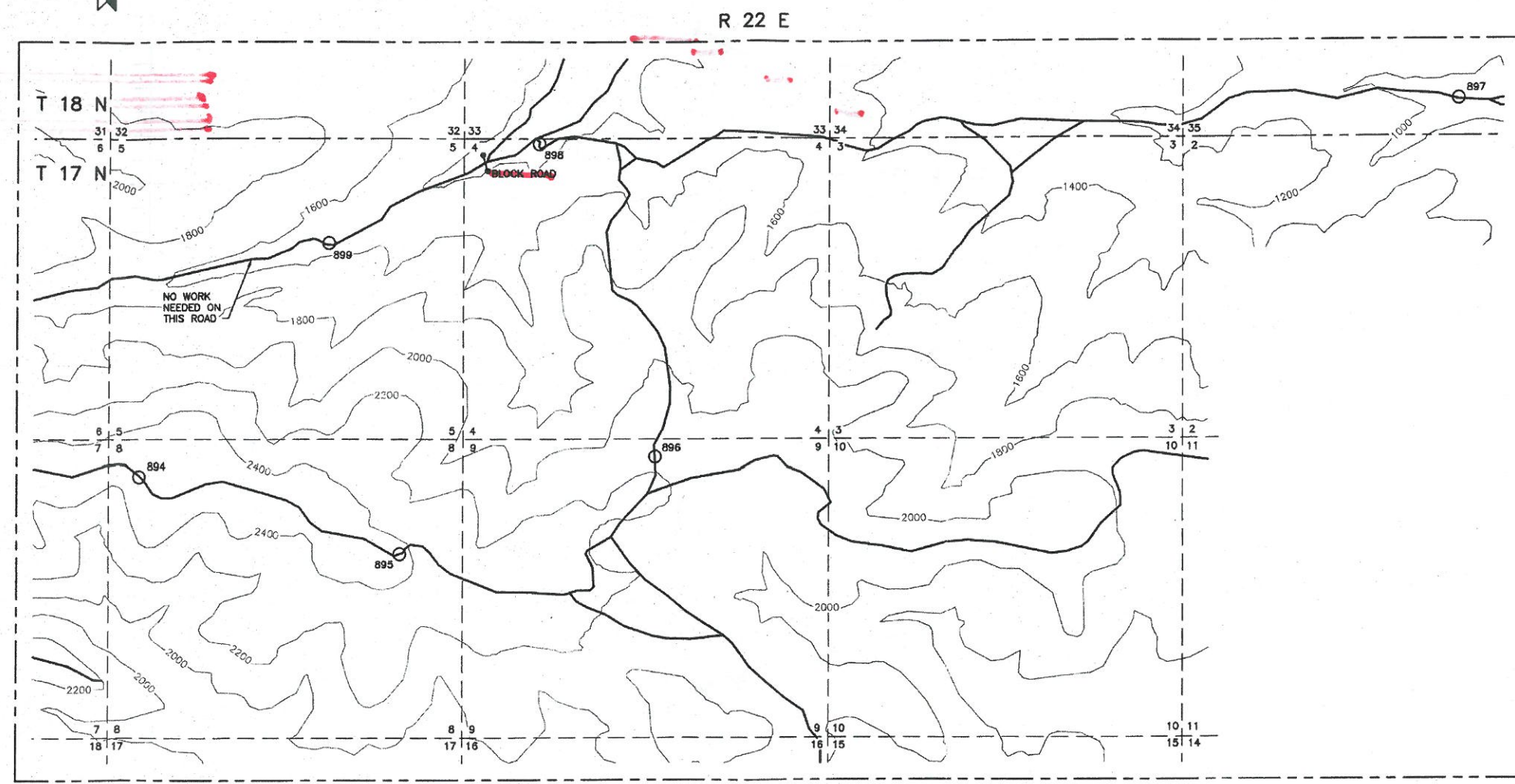
LT MURRAY WILDLIFE AREA
WHISKEY DICK ROAD
ROAD MAINTENANCE
SITE PLAN 1

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SHEET OF
3 6

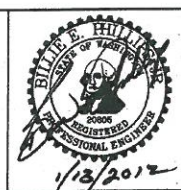
ROAD MAINTENANCE GPS POINTS				
POINT #	NORTHING	EASTING	ELEVATION	REMARKS
894	N46 59.036	W120 06.701	2545 FT	FIX OUTSLOPE/ CROWN ROAD
895	N46 58.819	W120 05.730	2430 FT	FIX ROCK OUTSLOPE/ CROWN ROAD
896	N46 59.084	W120 04.820	2182 FT	DNR PROPERTY LINE
897	N47 00.110	W120 01.927	946 FT	ARCH SITE - PLACE FABRIC & ROCK
898	N47 00.007	W120 05.238	1359 FT	BLOCK ROAD W/BARRIER ROCK*
899	N46 59.740	W120 05.972	1475 FT	ROAD WASHED OUT

*NOTE:
USE BARRIER ROCK TO BLOCK ROAD
UNLESS APPROVED BY ARCHAEOLOGIST
AND ENGINEER.



SITE PLAN 2
NOT TO SCALE

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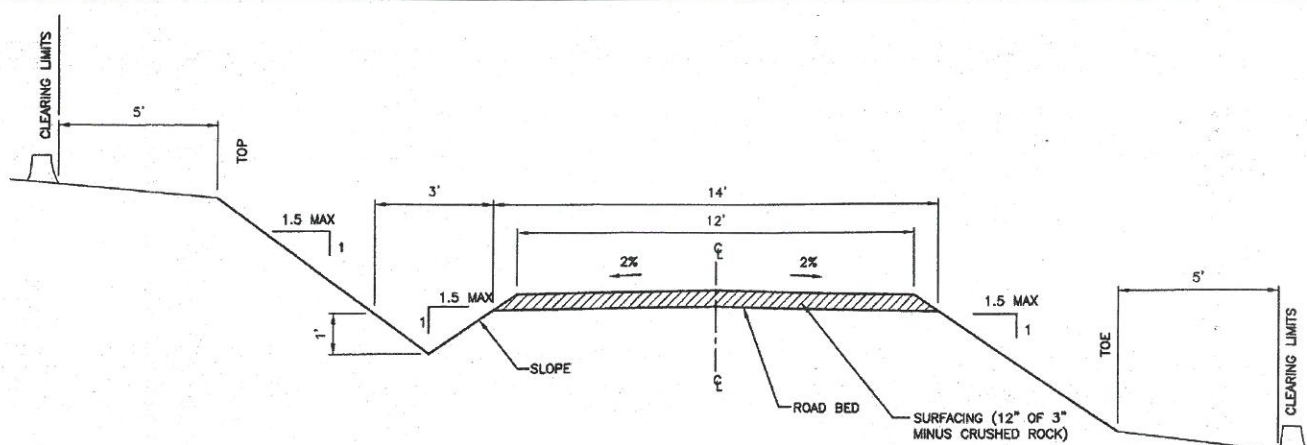


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APPROVED AND RELEASED FOR CONSTRUCTION			
CHIEF ENGINEER <i>[Signature]</i>		DATE: 1/13/2012	
PROGRAM		DATE:	

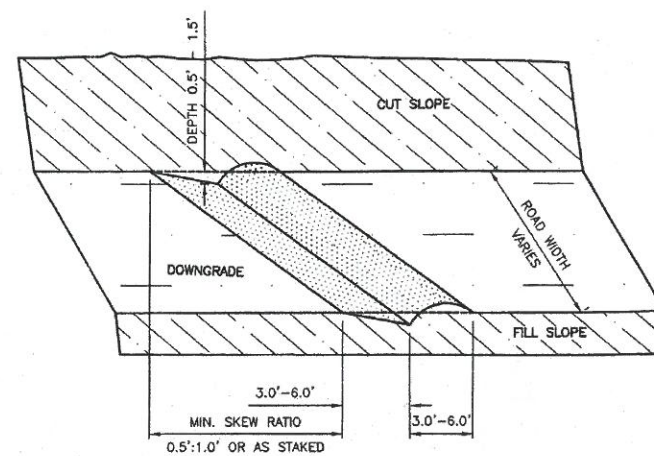
DESIGNED BY: K. KUYKENDALL
CHECKED BY:
DRAWN BY: A. JOHNSON
DATE: 1/13/2012

LT MURRAY WILDLIFE AREA
WHISKEY DICK ROAD
ROAD MAINTENANCE
SITE PLAN 2

PROJECT NO. KS:R35:11-2	
SHEET 4	OF 6

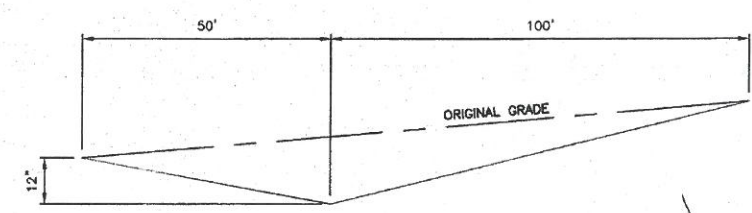
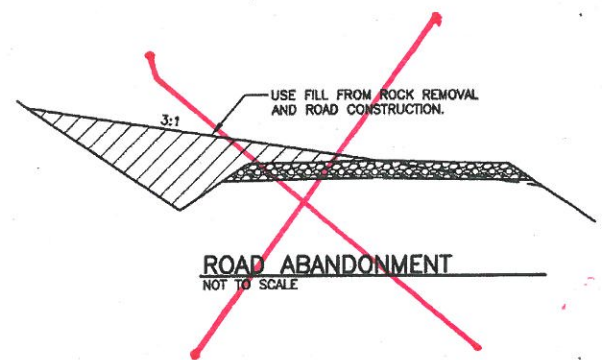


TYPICAL ROAD DETAIL (CROWNED SURFACE)
NOT TO SCALE

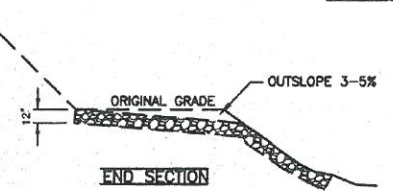


WATER BAR
NOT TO SCALE

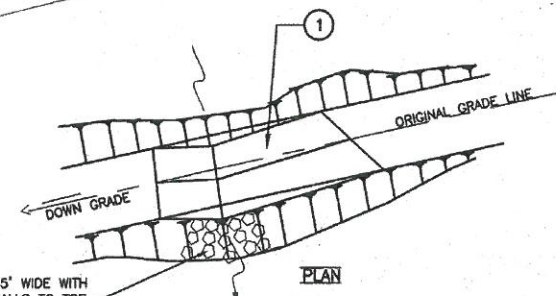
- WATER BAR NOTES:**
1. ALL WATER BARS SHALL BEGIN AT THE INTERSECTION OF THE ROAD BED AND CUT SLOPE THEN RUN ACROSS THE ENTIRE WIDTH OF THE ROAD BED.
 2. ALL WATER BARS SHALL HAVE FREE FLOWING OUTLETS.
 3. WHEN STAKES ARE USED, THEY DESIGNATE THE OUTLET LOCATION.
 4. WATER BAR SPACING—
AT LESS THAN 5% SLOPE — 125'
BETWEEN 5% AND 10% — 80'
BETWEEN 10% AND 20% — 50'
GREATER THAN 20% — 30'



CENTER LINE PROFILE



END SECTION

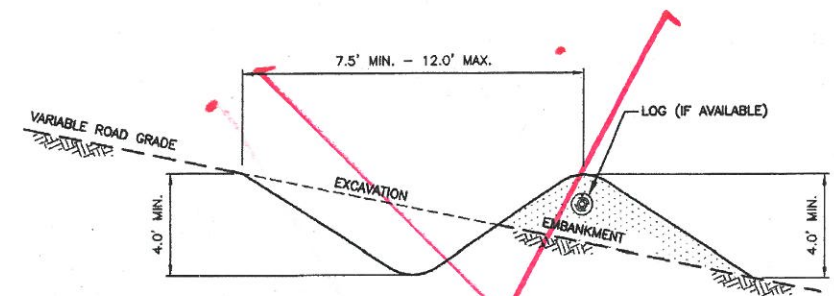


PLAN

ROCK SPILL APRON 15' WIDE WITH 6" MINUS QUARRY SPALLS TO TOE OF FILL.

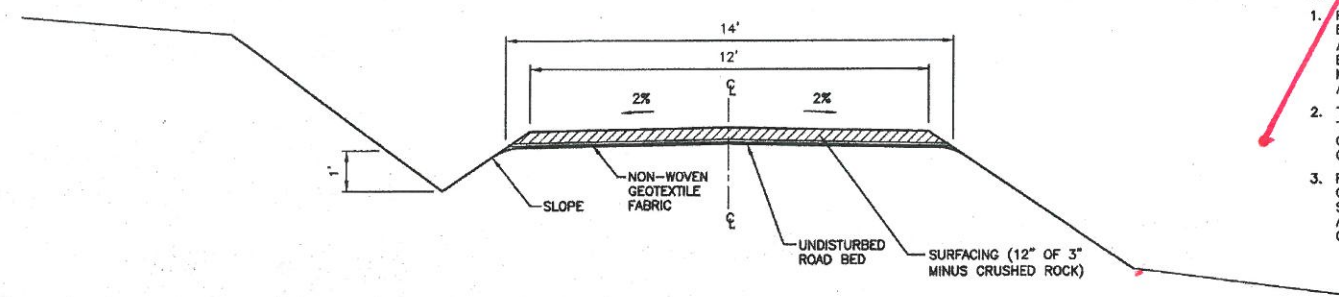
DRIVABLE DIP
NOT TO SCALE

- DRIVABLE DIP NOTES:**
1. ROCKED DRIVABLE DIPS SHALL BE ROCKED THROUGHOUT THE ENTIRE EXCAVATED AREA WITH 4"-6" QUARRY SPALLS COMPACTED.
 2. PLAN OF DRIVABLE DIP SHOWN IS FOR OUTSLOPED DRIVABLE DIP. DRIVABLE DIPS MAY BE EITHER INSLOPED OR OUTSLOPED.
 3. WHEN INSLOPED, DRIVABLE DIPS SHALL DISCHARGE INTO A CULVERT INLET OR DRAINAGE DITCH.
 4. WHEN OUTSLOPED, DRIVABLE DIPS SHALL DISCHARGE ON TO NATURAL GROUND.
 5. THE OUTSLOPE SHALL BE 3% - 5%. LOCATE LOW POINT TO DRAIN TO EXISTING CROSS DRAINAGE OR LOW AREA.



TANK TRAP
NOT TO SCALE

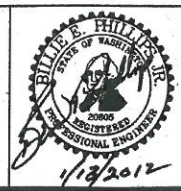
- TANK TRAP NOTES:**
1. PLACE 1.5" x 12.0' LOG IN EMBANKMENT AND COVER WITH AT LEAST 1.0' OF EMBANKMENT MATERIAL. LOG MAY BE DELETED WITH APPROVAL BY THE ENGINEER.
 2. THE BOTTOM OF THE TANK TRAP SHALL BE OUT SLOPED ON A 7% GRADE UNLESS OTHERWISE DIRECTED.
 3. ROAD TANK TRAP SHALL BE CONSTRUCTED AT LOCATIONS STAKED BY THE ENGINEER OR AS SHOWN ON LOCATION CHART.



TYPICAL ARCHAEOLOGICAL DETAIL (W/FABRIC)
NOT TO SCALE

NOTES:
FABRIC TO BE PLACED DIRECTLY OVER ROAD SURFACE, INCLUDING ANY VEGETATION, AND COVERED.

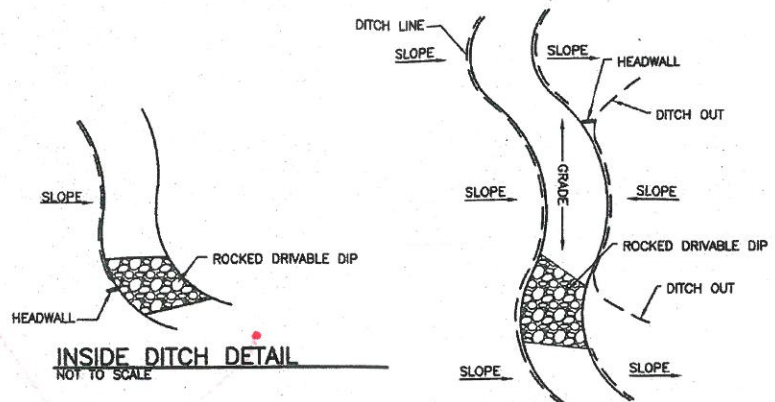
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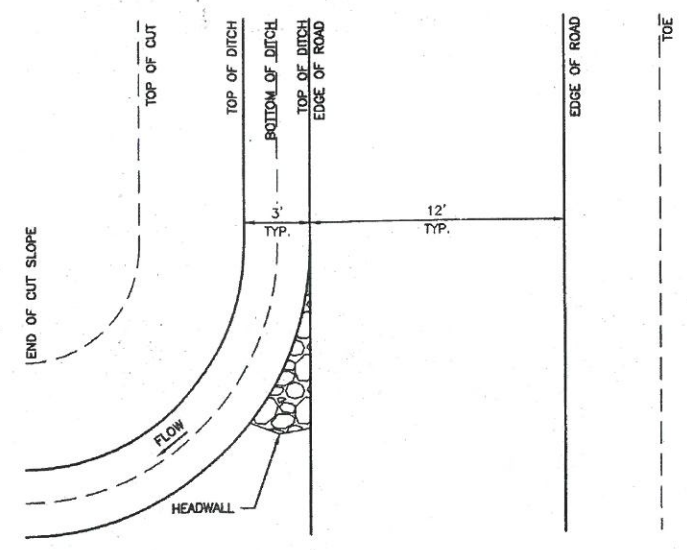
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		DESIGNED BY K. KUYKENDALL	
		CHECKED BY	
		DRAWN BY A. JOHNSON	
		DATE 1/13/2012	

LT MURRAY WILDLIFE AREA
WHISKEY DICK ROAD
ROAD MAINTENANCE
CROSS DRAIN INSTALLATION & DETAILS

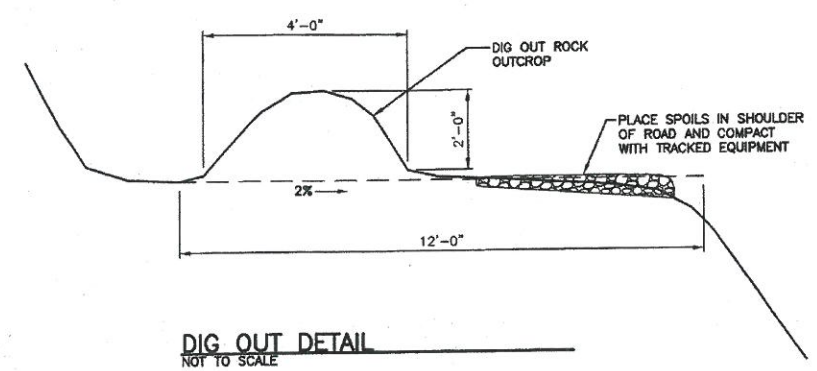
PROJECT NO.
KS:R35:11-2
SHEET 5 OF 6



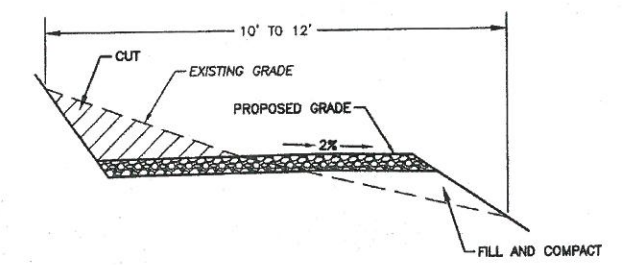
2 DITCH/THROUGH-CUT DETAIL
NOT TO SCALE



DITCHOUT
NOT TO SCALE

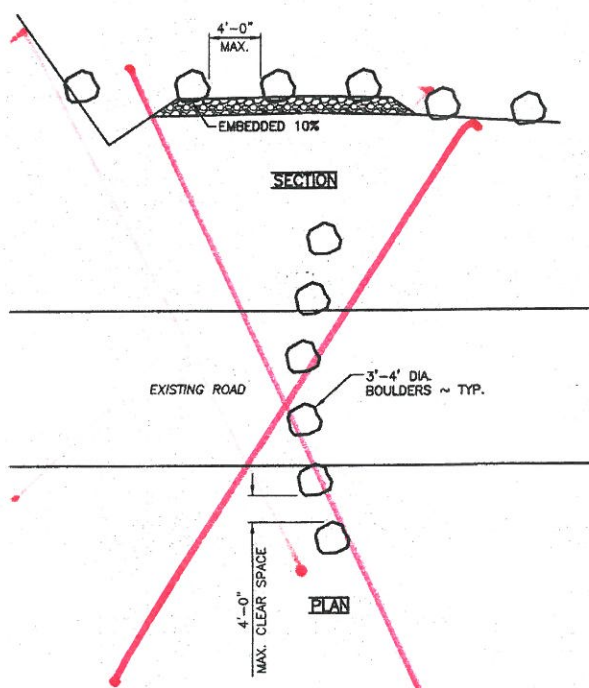


DIG OUT DETAIL
NOT TO SCALE



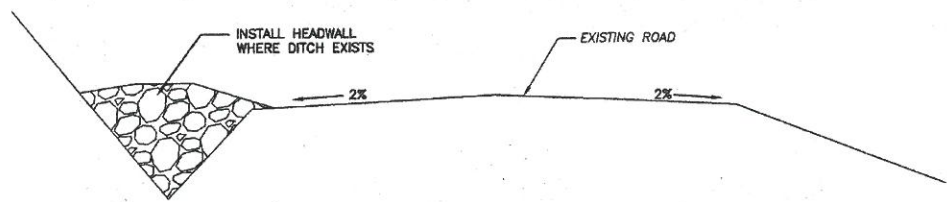
TYPICAL OUTSLOPE REPAIR
NOT TO SCALE

NOTES:
ALL EXCESS MATERIAL SHALL BE PLACED ON SLOPES LESS THAN 30% AND COMPACTED.

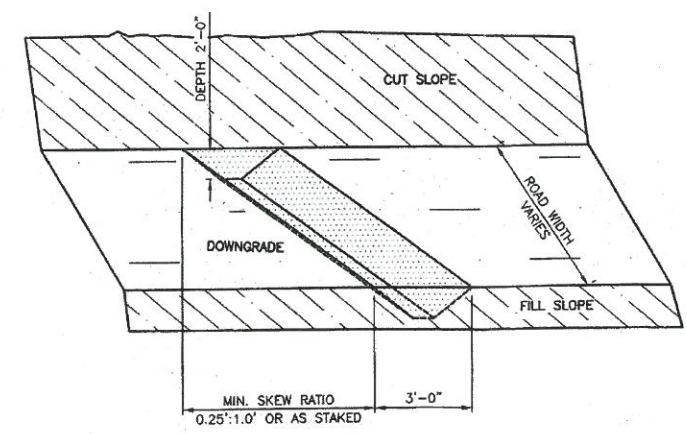


BARRIER ROCK
NOT TO SCALE

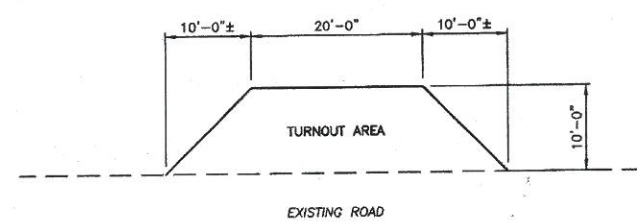
- BARRIER ROCK NOTES:**
1. PLACE BOULDERS ACROSS DRIVING SURFACE AND SHOULDERS TO PREVENT VEHICLE PASSAGE.
 2. BOULDERS SHALL BE A MINIMUM OF 3' DIAMETER AND SET INTO GROUND 10%.



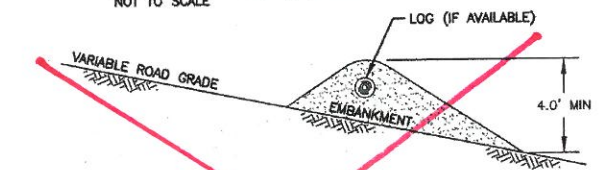
HEADWALL DETAIL
NOT TO SCALE



CUT CHANNEL 3' DETAIL
NOT TO SCALE



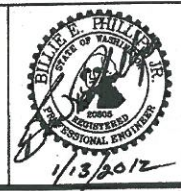
TURNOUT PLAN
NOT TO SCALE



ALT. ROAD BARRIER
NOT TO SCALE

- ROAD BARRIER NOTES:**
1. PLACE 1.5" x 12.0' LOG IN EMBANKMENT AND COVER WITH AT LEAST 1.0' OF EMBANKMENT MATERIAL. LOG MAY BE DELETED WITH APPROVAL BY THE ENGINEER.
 2. ROAD BARRIER SHALL BE CONSTRUCTED AT LOCATIONS STAKED BY THE ENGINEER OR AS SHOWN ON LOCATION CHART OR DRAWINGS.

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0 1"
BAR MEASURES
ONE INCH ON
ORIGINAL DRAWINGS

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CHECKED BY
DRAWN BY A. JOHNSON
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WHISKEY DICK ROAD
ROAD MAINTENANCE
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SHEET 6 OF 6