



WASHINGTON DEPARTMENT OF FISH AND WILDLIFE

COLOCKUM WILDLIFE AREA ROAD RENOVATIONS KS:R11:14-2

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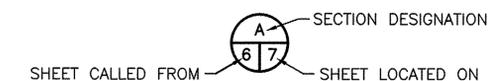
ABBREVIATIONS

ALUM	-	ALUMINUM
L	-	ANGLE
APPROX.	-	APPROXIMATELY
BM	-	BENCH MARK
CL	-	CENTERLINE
CLR.	-	CLEARANCE
CMP	-	CORRUGATED METAL PIPE
CONC	-	CONCRETE
CSBC	-	CRUSHED SURFACE BASE COURSE
CSTC	-	CRUSHED SURFACE TOP COURSE
Ø	-	DIAMETER
ELEV	-	ELEVATION
F.B.	-	FLAT BAR
FTG	-	FOOTING
GALV	-	GALVANIZED
GA.	-	GAUGE
HSS	-	STRUCTURAL TUBING
ID	-	INSIDE DIAMETER
IE	-	INVERT ELEVATION
LG	-	LONG
MFG.	-	MANUFACTURER'S
MISC.	-	MISCELLANEOUS
OC	-	ON CENTER
OD	-	OUTSIDE DIAMETER
PL	-	PLATE
PT	-	PRESSURE TREATED
REQ'D	-	REQUIRED
SEC.	-	SECTION
S.F.	-	SQUARE FEET
SHT.	-	SHEET
TYP	-	TYPICAL
W.S.	-	WATER SURFACE

SHEET SYMBOLS



DETAIL



SECTION



NOTE REFERENCE

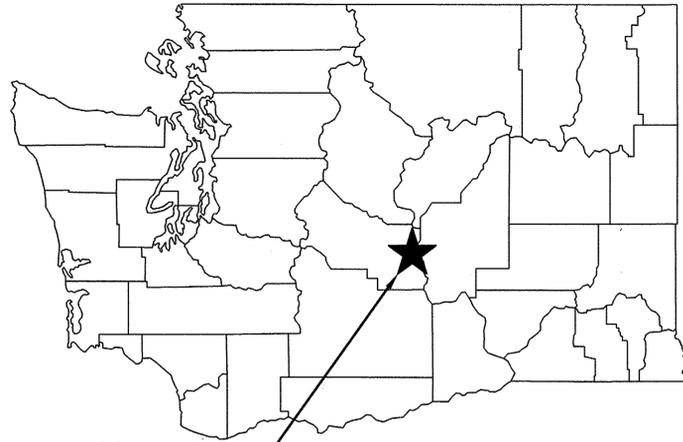
REFERENCE DESIGNATION TO NOTE
OR A PART OR MATERIAL IN A
SCHEDULE/TABLE

PROJECT NO.

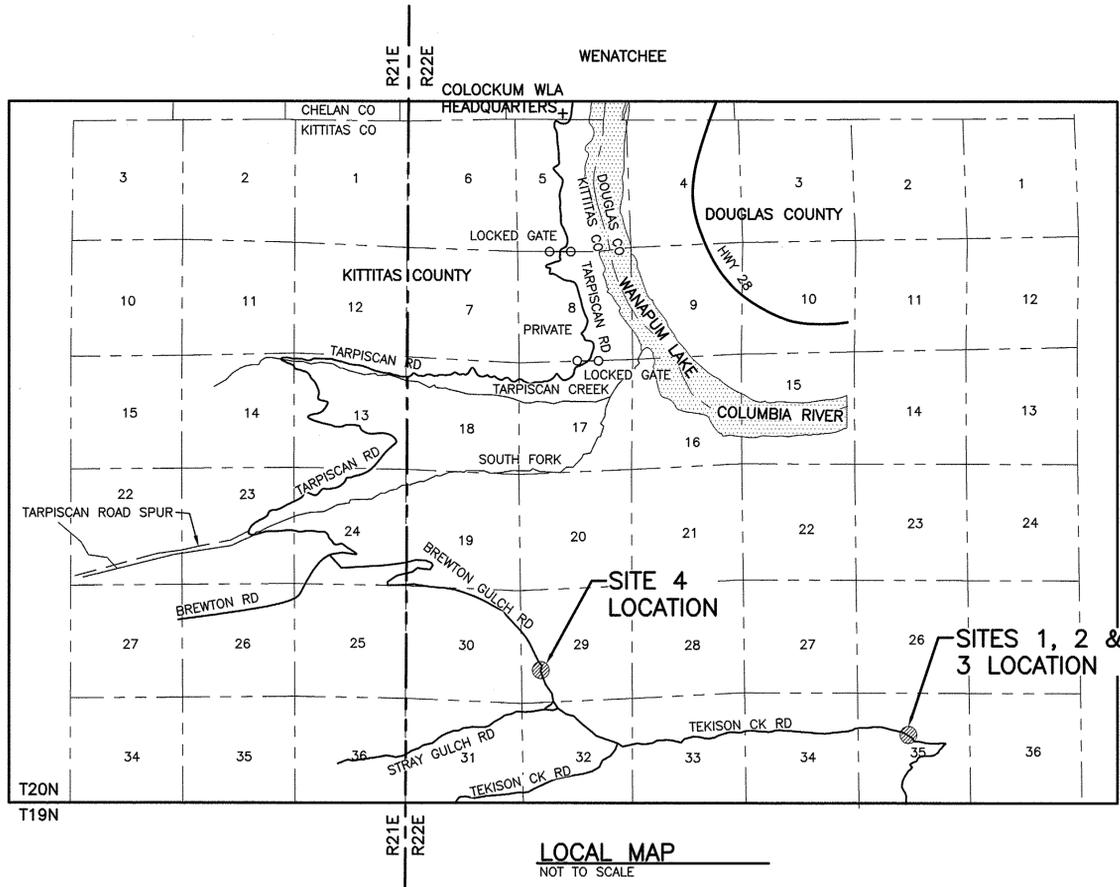
KS:R11:14-2

SHEET OF

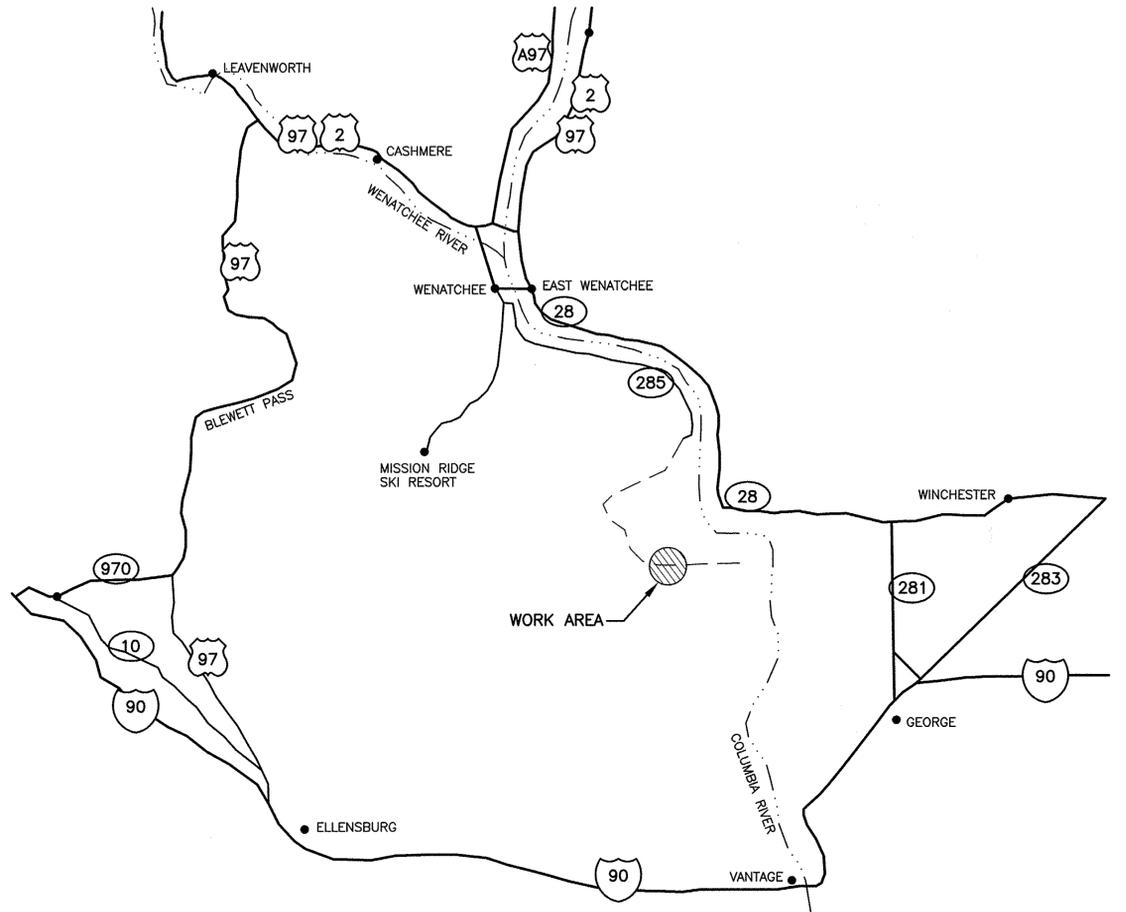
1 9



PROJECT LOCATION
STATE MAP
NOT TO SCALE



LOCAL MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

DIRECTIONS TO WILDLIFE AREA HEADQUARTERS;

DRIVE SOUTH FROM WENATCHEE ON THE MALAGA/ALCOA HWY TO THE JUNCTION OF THE COLOCKUM ROAD AND THE TARPISCAN ROAD.

FROM THE WILDLIFE AREA HEADQUARTERS, HEAD SOUTH ON TARPISCAN ROAD TO BREWTON GULCH RD AND SITE 3 FOLLOW ROAD TO TEKISON CK RD TO SITES 1 AND 2.

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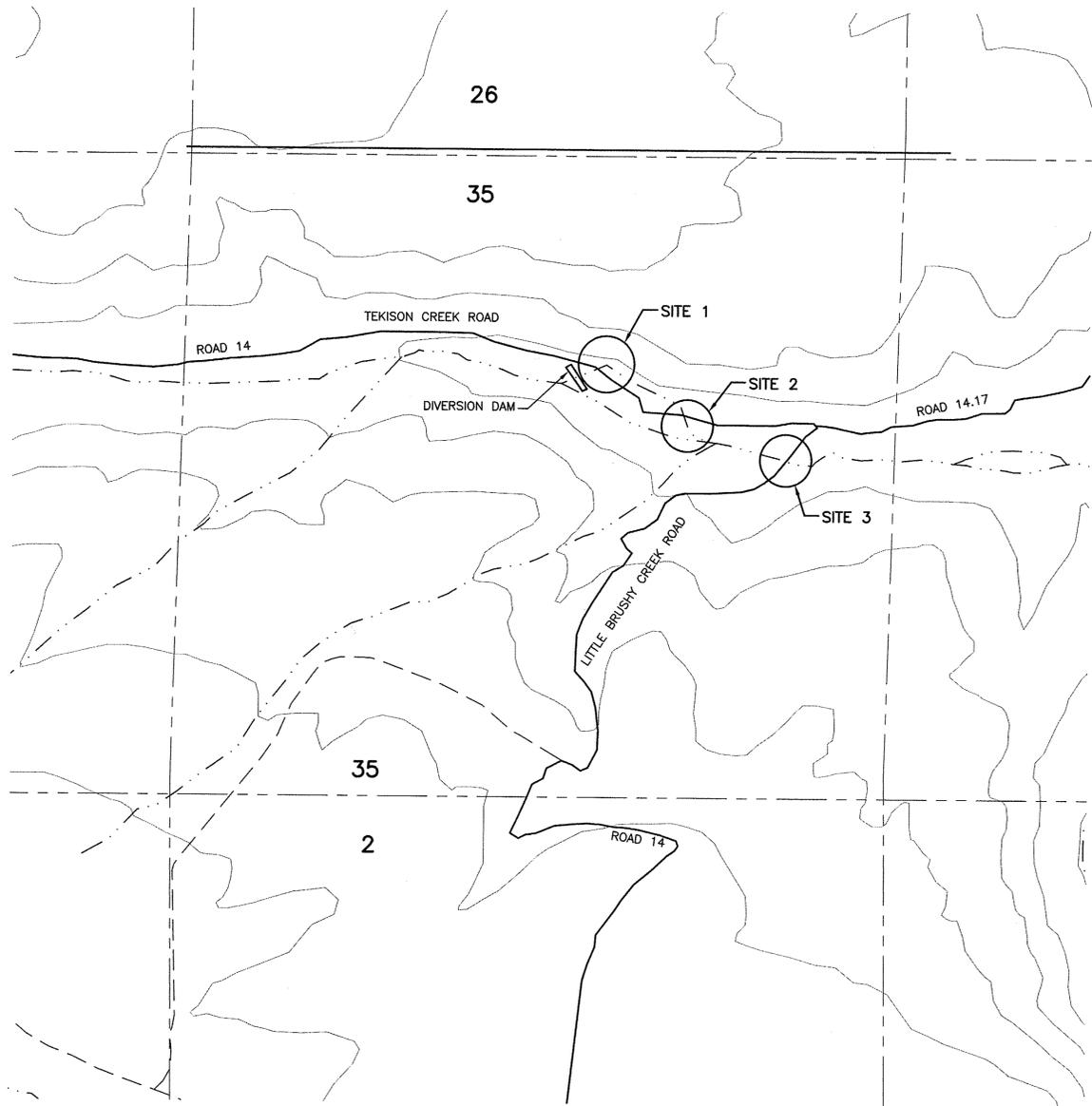
SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	
CHIEF ENGINEER		DATE: 05/05/10	
PROGRAM		DATE: 02/13/2015	

0 1" BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS
DESIGNED BY K.KUYKENDALL
CHECKED BY
DRAWN BY R.ENGELHARDT
DATE 02/13/2015

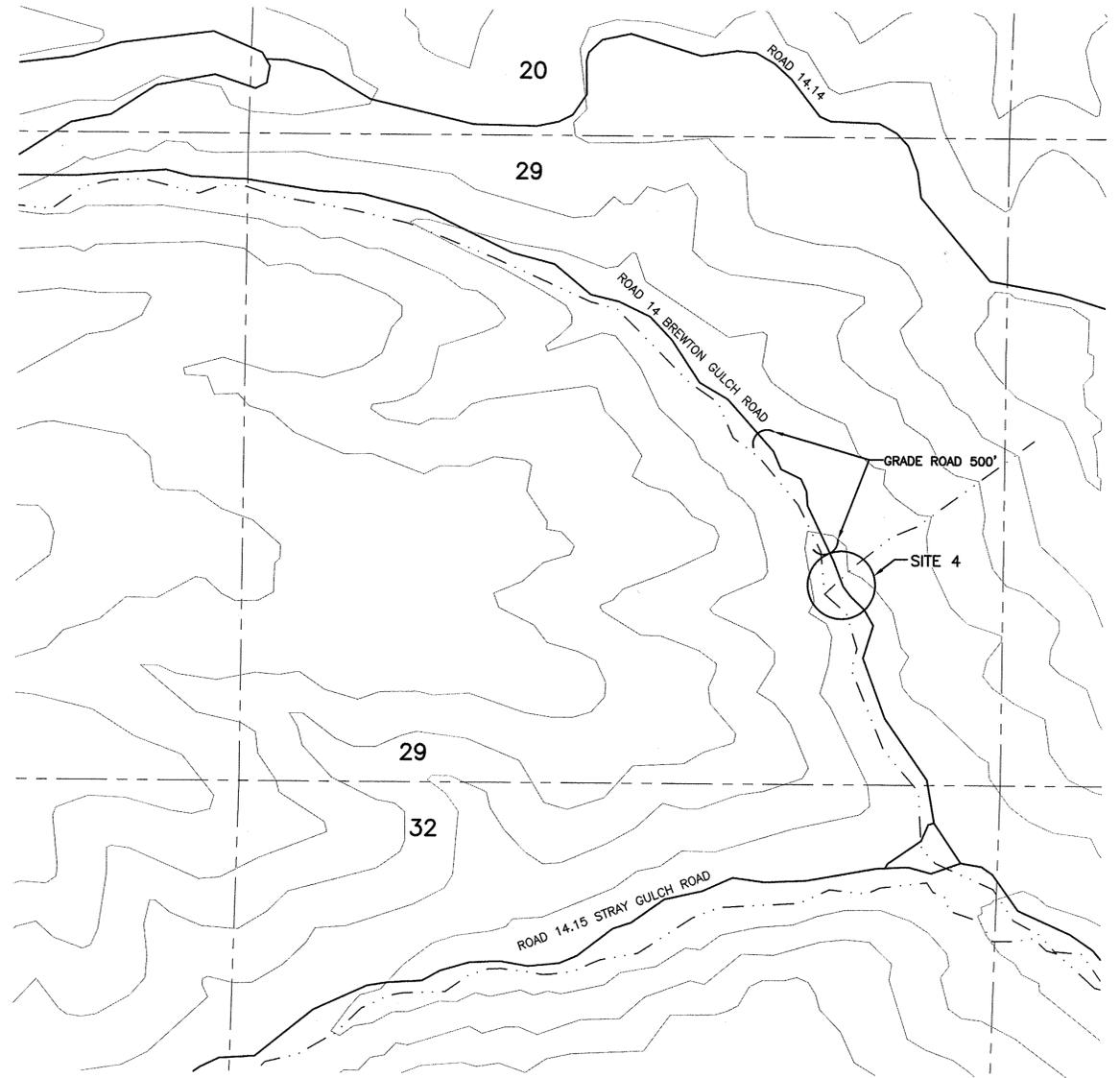
COLOCKUM WILDLIFE AREA
ROAD RENOVATIONS
VICINITY MAPS

PROJECT NO.
KS:R11:14-2

SHEET OF
2 9



SITES 1, 2 & 3
NOT TO SCALE



SITE 4
NOT TO SCALE

LEGEND

SECTION LINE	---
STREAM	----
ROAD	====
CONTOUR LINE	~~~~
TRAIL	- - - -

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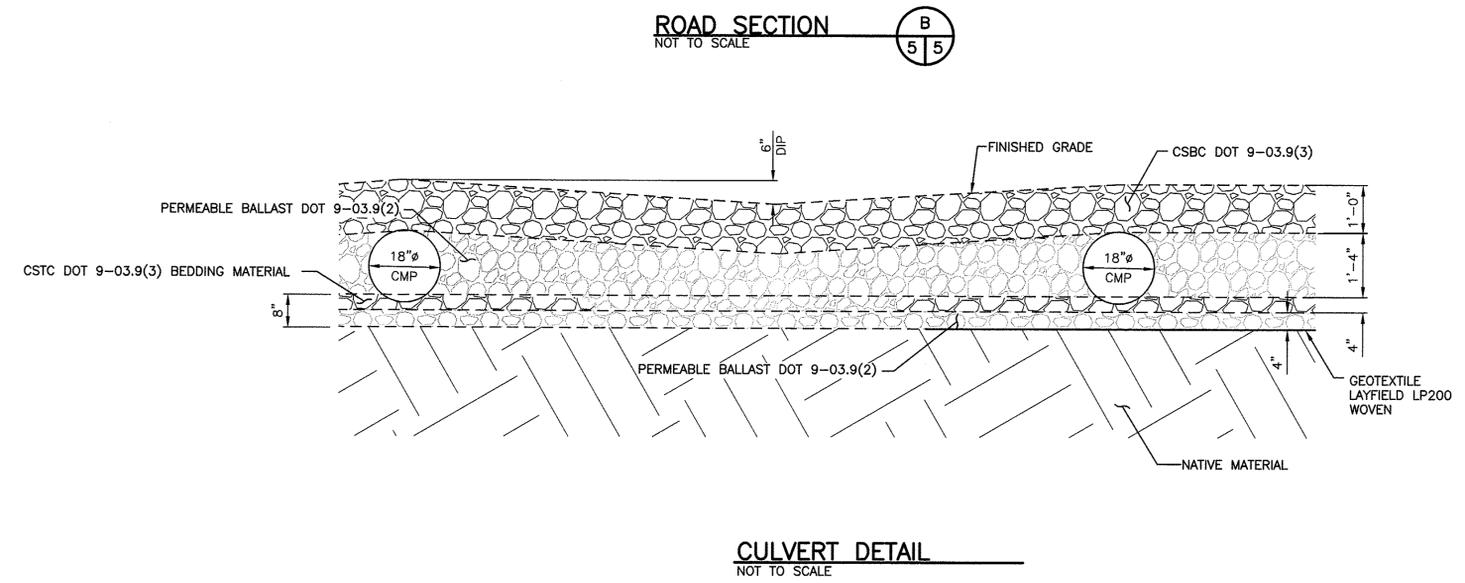
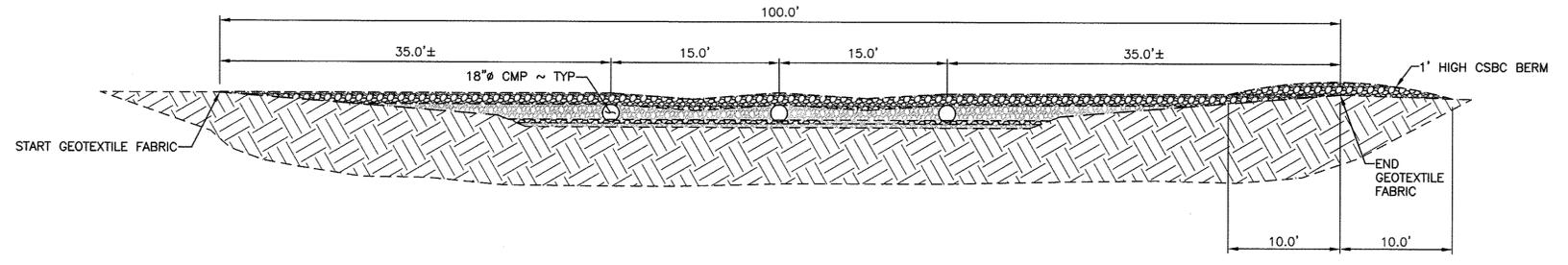
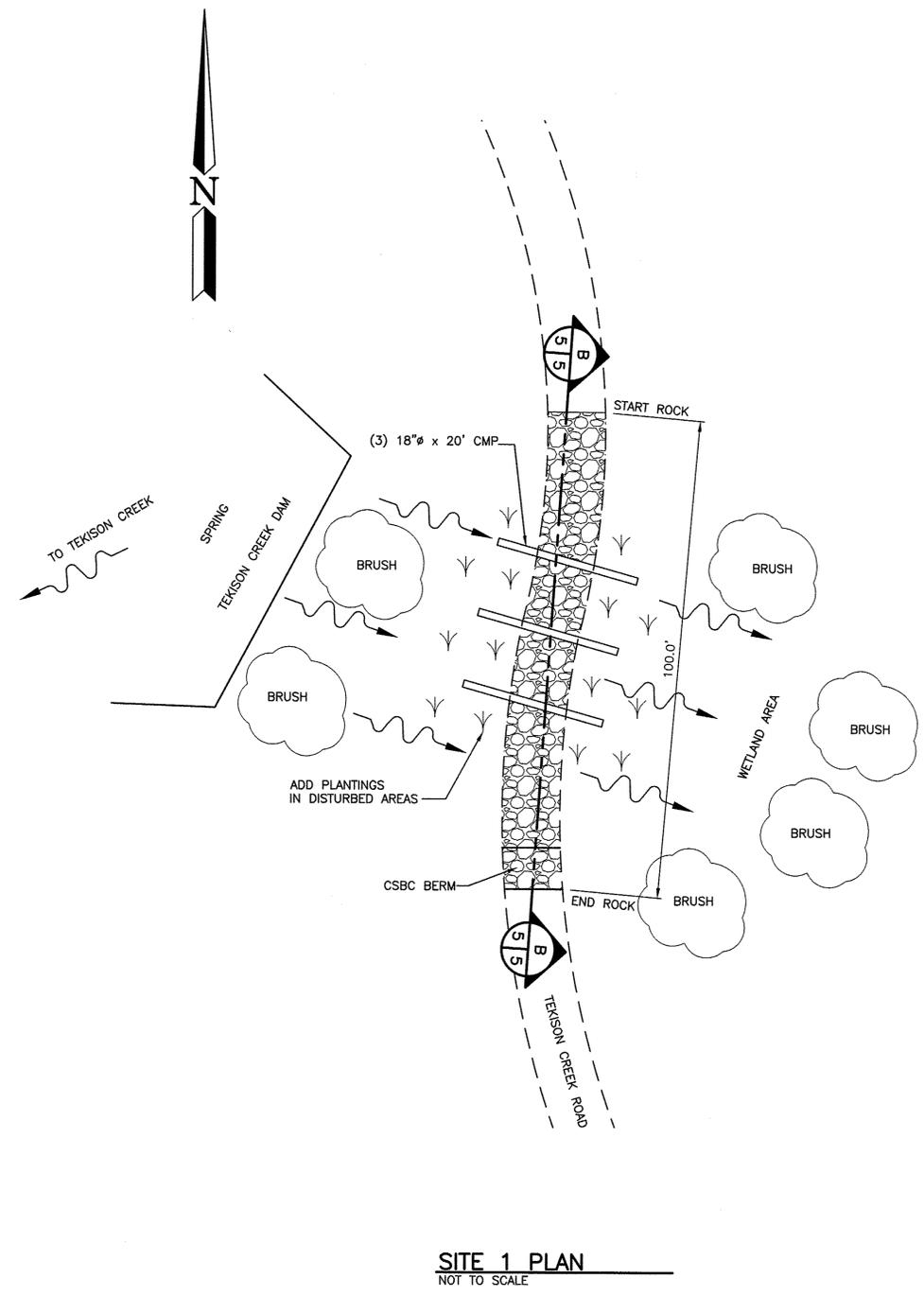


0 — 1"		BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS	
SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	
CHIEF ENGINEER		DATE: 12/15/2015	
PROGRAM		DATE: 02/13/2015	
DESIGNED BY	K. KUYKENDALL		
CHECKED BY	R. ENGELHARDT		
DRAWN BY	R. ENGELHARDT		

COLOCKUM WILDLIFE AREA		PROJECT NO. KS:R11:14-2	
ROAD RENOVATIONS		SHEET	OF
EXISTING SITE PLANS		3	9

APPROX. QUANTITIES cuyd	
MATERIAL	FILL
BALLAST	35
CSBC	37

- NOTES:**
- BEDDING FOR CULVERT SHALL BE TWICE THE WIDTH OF THE CULVERT DIAMETER.
 - PROJECT TO BE FLAGGED BY PROJECT ENGINEER/MANAGER.
 - NEW SURFACES TO BE COMPACTED



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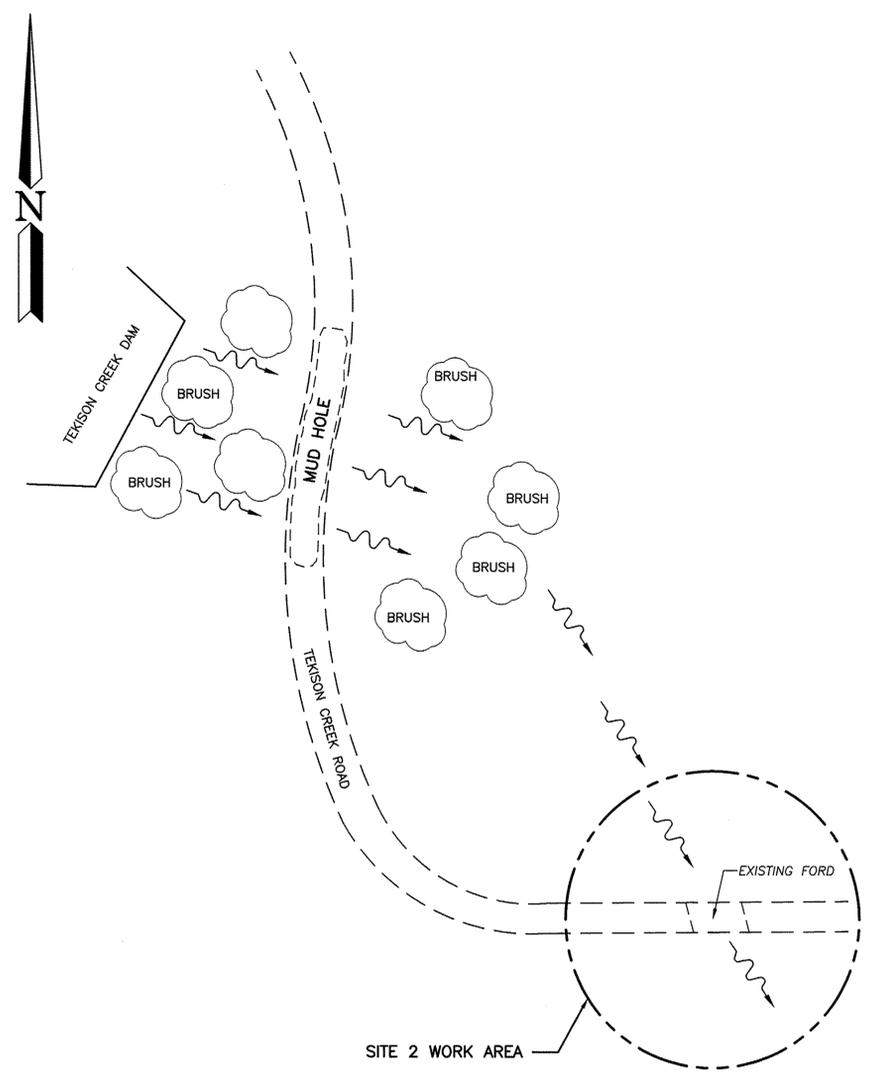
SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	
		DESIGNED BY	K.KUYKENDALL
		CHECKED BY	R.ENGELHARDT
		DRAWN BY	R.ENGELHARDT
		DATE	02/13/2015

COLOCKUM WILDLIFE AREA
ROAD RENOVATION
SITE 1 PLAN
AND SECTION

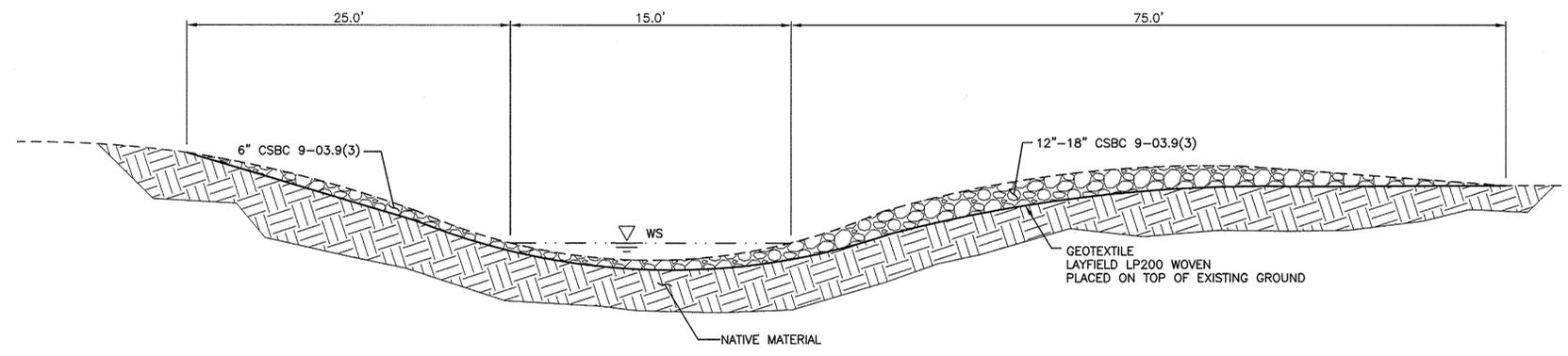
PROJECT NO.
KS:R11:14-2
SHEET 5 OF 9

APPROX. QUANTITIES cuyd	
MATERIAL	FILL
CSBC	35

- NOTES:**
- PROJECT TO BE FLAGGED BY PROJECT ENGINEER/MANAGER.
 - NEW SURFACES TO BE COMPACTED

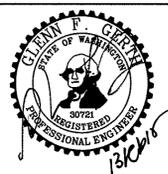


EXISTING SITE 2 PLAN
NOT TO SCALE



NEW FORD PROFILE
NOT TO SCALE

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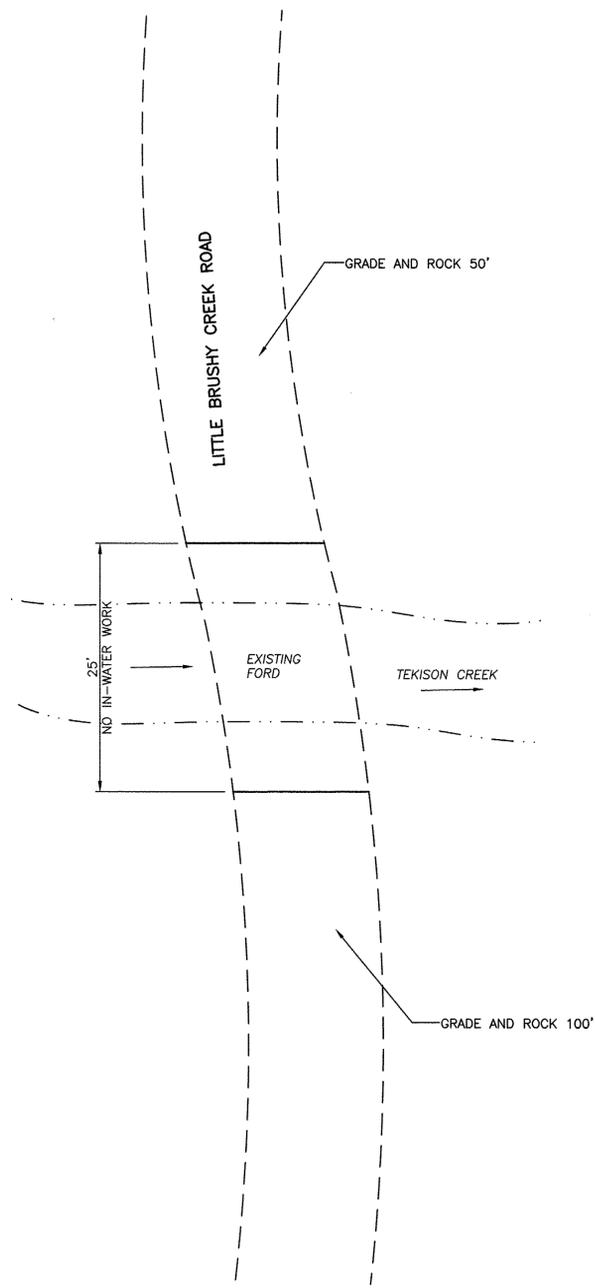
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		APPROVED AND RELEASED FOR CONSTRUCTION	
CHIEF ENGINEER		DATE: 13/10/15	
PROGRAM		DATE: 02/13/2015	

DESIGNED BY: K.KUYKENDALL
CHECKED BY: R.ENGELHARDT
DRAWN BY: R.ENGELHARDT

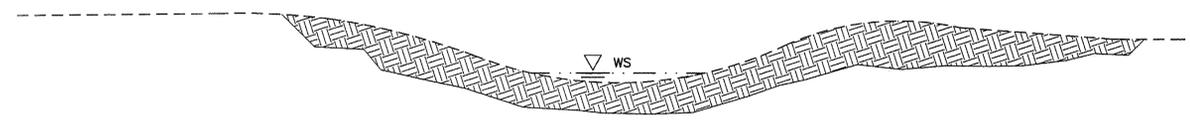
0 ——— 1"
BAR MEASURES
ONE INCH ON
ORIGINAL DRAWINGS

COLOCKUM WILDLIFE AREA
ROAD RENOVATION
EXISTING SITE 2 PLAN
AND NEW FORD PROFILE

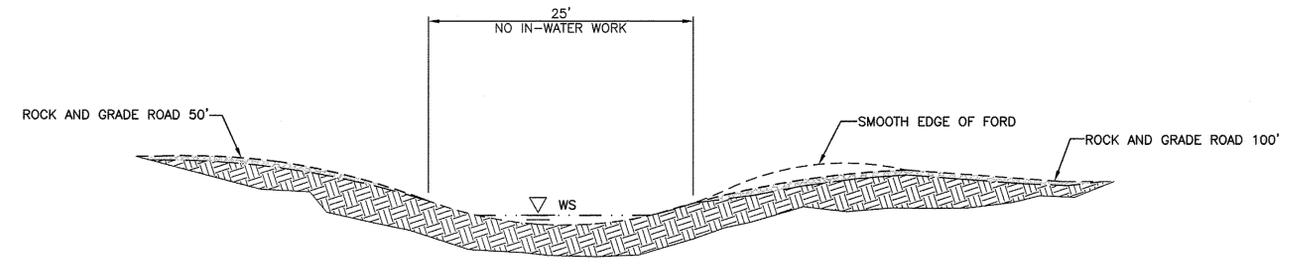
PROJECT NO. KS:R11:14-2	
SHEET	OF
6	9



SITE 3 PLAN
NOT TO SCALE



EXISTING PROFILE
NOT TO SCALE



PROFILE
NOT TO SCALE

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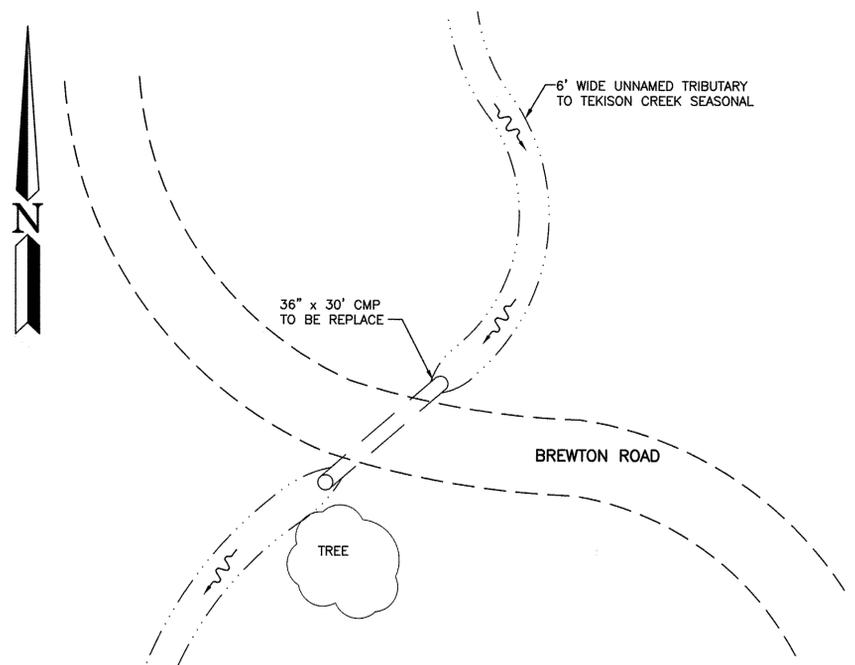
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APPROVED AND RELEASED FOR CONSTRUCTION			
CHIEF ENGINEER		DATE: 03/10/15	
PROGRAM		DATE: 02/13/2015	

DESIGNED BY	K.KUYKENDALL
CHECKED BY	
DRAWN BY	R.ENGELHARDT
DATE	02/13/2015

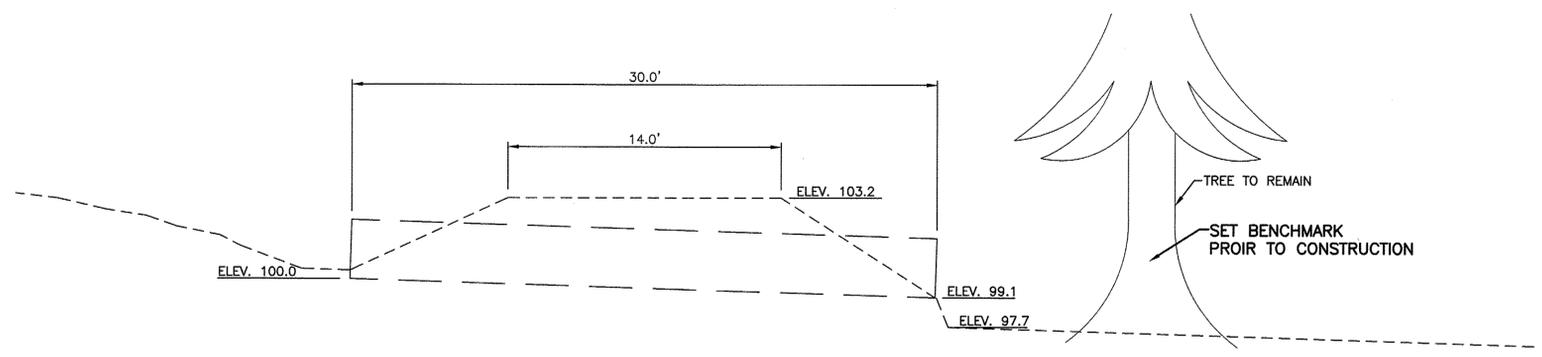
COLOCKUM WILDLIFE AREA
ROAD RENOVATION
SITE 3 PLAN
AND PROFILES

PROJECT NO. KS:R11:14-2	
SHEET	OF
7	9

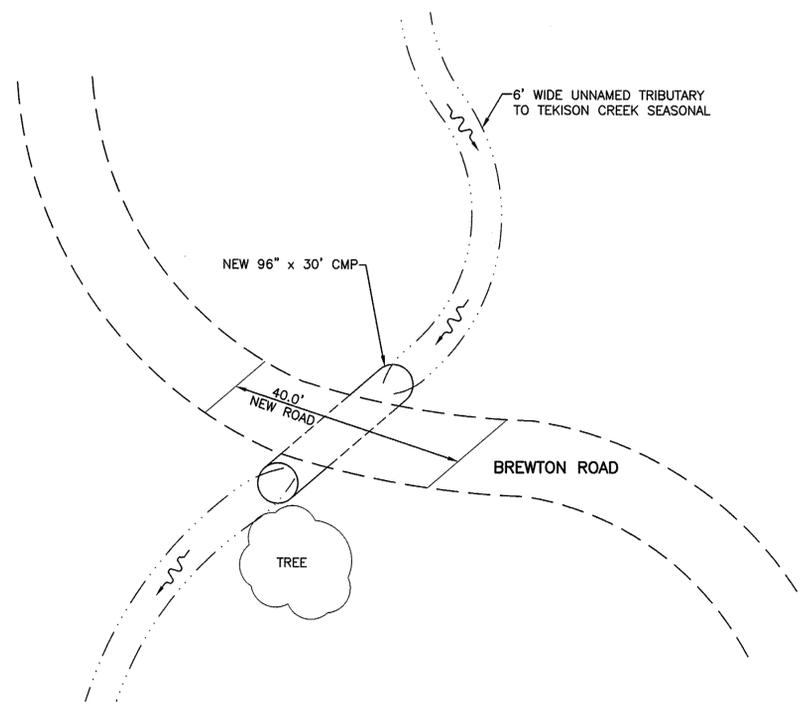
- NOTES:**
1. PROJECT TO BE FLAGGED BY PROJECT ENGINEER/MANAGER.
 2. NEW SURFACES TO BE COMPACTED
 3. DO NOT DAMAGE TREE



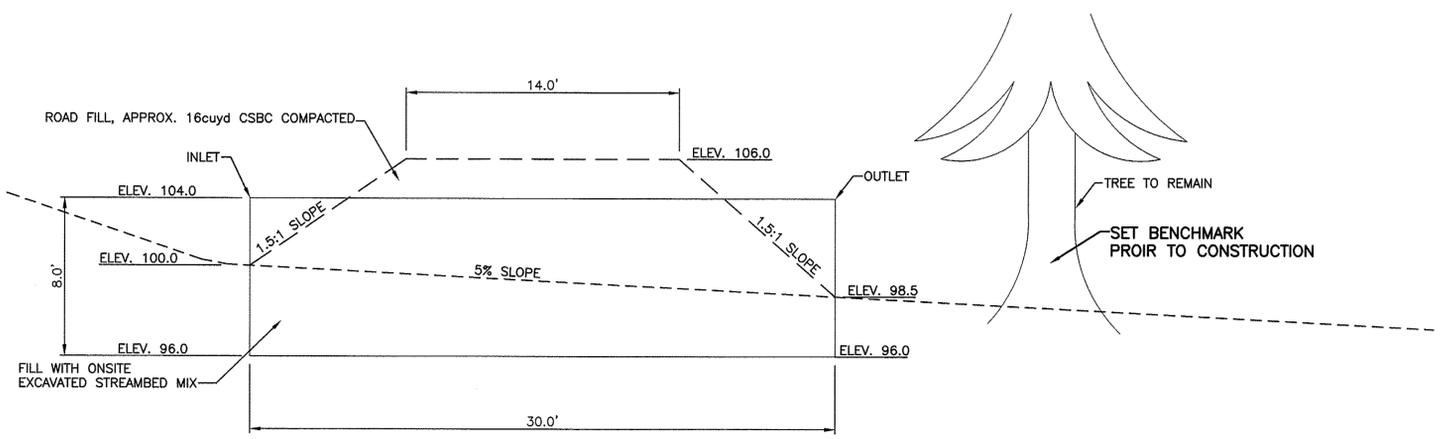
EXISTING SITE 4 PLAN
NOT TO SCALE



EXISTING CULVERT PROFILE
NOT TO SCALE



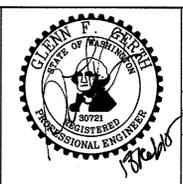
SITE 4 PLAN
NOT TO SCALE



NEW CULVERT PROFILE
NOT TO SCALE

NOTE:
ELEVATION ARE ASSUMED.

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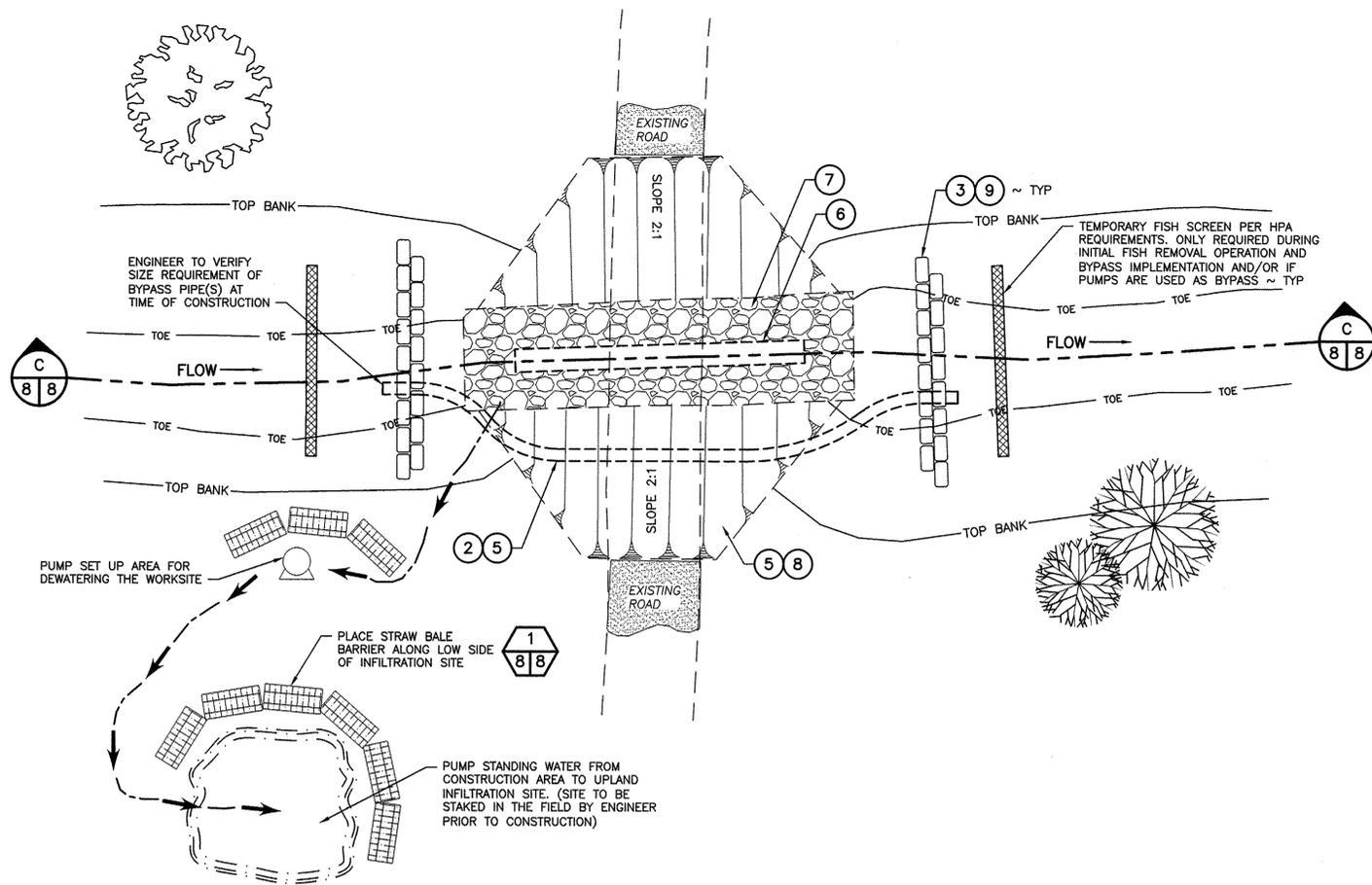
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		APPROVED AND RELEASED FOR CONSTRUCTION	

CHIEF ENGINEER: *[Signature]* DATE: 1/8/2015
PROGRAM: _____ DATE: _____

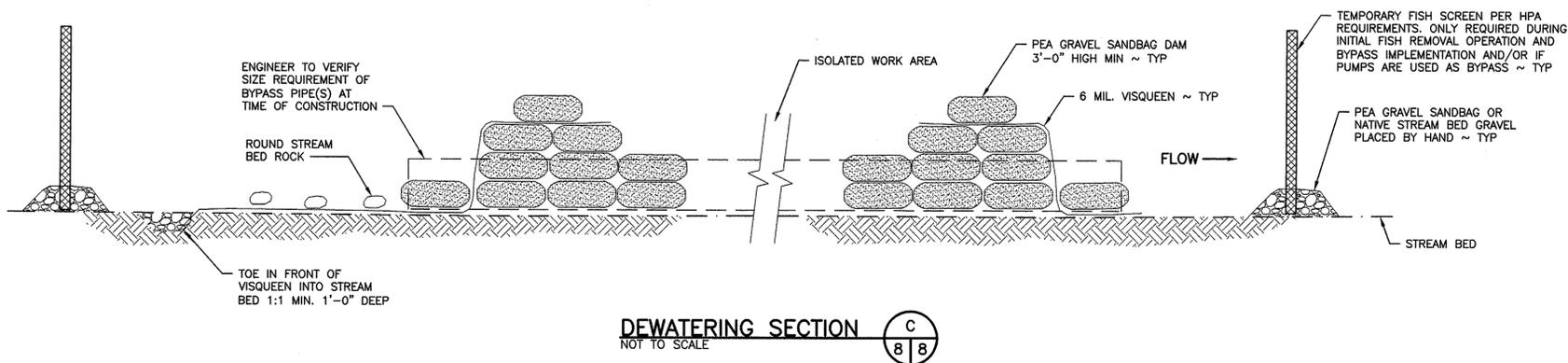
DESIGNED BY: K.KUYKENDALL
CHECKED BY: _____
DRAWN BY: R.ENGLHARDT
DATE: 02/13/2015

COLOCKUM WILDLIFE AREA
ROAD RENOVATION
EXISTING SITE 4 PLAN
AND NEW FORD PROFILE

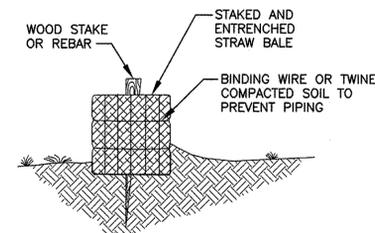
PROJECT NO. KS:R11:14-2
SHEET 8 OF 9



DEWATERING PLAN
NOT TO SCALE



DEWATERING SECTION C
NOT TO SCALE



STRAW BALE 1
NOT TO SCALE

NOTE:

BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER. THE BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE A MINIMUM OF 4 INCHES. BACKFILL SOIL SHALL CONFORM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHALL BE BUILT UP 4 INCHES AGAINST THE UPHILL SIDE OF THE BARRIER. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST 2 STAKES OR REBAR DRIVEN THROUGH THE BALE. THE GAP BETWEEN THE BALES SHALL BE CHINKED (FILLED BY WEDGING) WITH STRAW TO PREVENT WATER FROM ESCAPING BETWEEN THE BALES.

DEWATERING NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH HPA.
2. DURING CONSTRUCTION (IF WATER IS PRESENT) STREAM FLOW SHALL BE DIVERTED THROUGH BYPASS PIPE. IF HIGH FLOW, 2 BYPASS PIPES MAY BE NEEDED, AND/OR THE USE OF A PUMP.
3. PLACE BAGS FILLED WITH PEA GRAVEL TO SEAL BYPASS INLET AND OUTLET.
4. FISH REMOVAL SHALL OCCUR BEFORE WORK AREA IS DEWATERED.
5. BYPASS SHALL BE APPROVED BY ENGINEER PRIOR TO EXCAVATION.
6. EXCAVATE WORK SITE.
7. PLACE NEW BED MATERIAL MIX AND REMOVE BYPASS PIPE(S)/PUMP.
8. COVER ALL EXPOSED SOIL WITH STRAW MULCH AND GRASS SEED.
9. REMOVE SANDBAGS AND FISH SCREENS BY HAND.

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0	1"	BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS
DESIGNED BY	K.KUYKENDALL	
CHECKED BY	R.ENGELHARDT	
DRAWN BY	R.ENGELHARDT	
DATE	02/13/2015	
SYMBOL	DATE	REVISION DESCRIPTION
		APPROVED AND RELEASED FOR CONSTRUCTION
CHIEF ENGINEER	DATE	13 Feb 2015
PROGRAM	DATE	

COLOCKUM WILDLIFE AREA
ROAD RENOVATION
DETAILS

PROJECT NO.
KS:R11:14-2
SHEET 9 OF 9