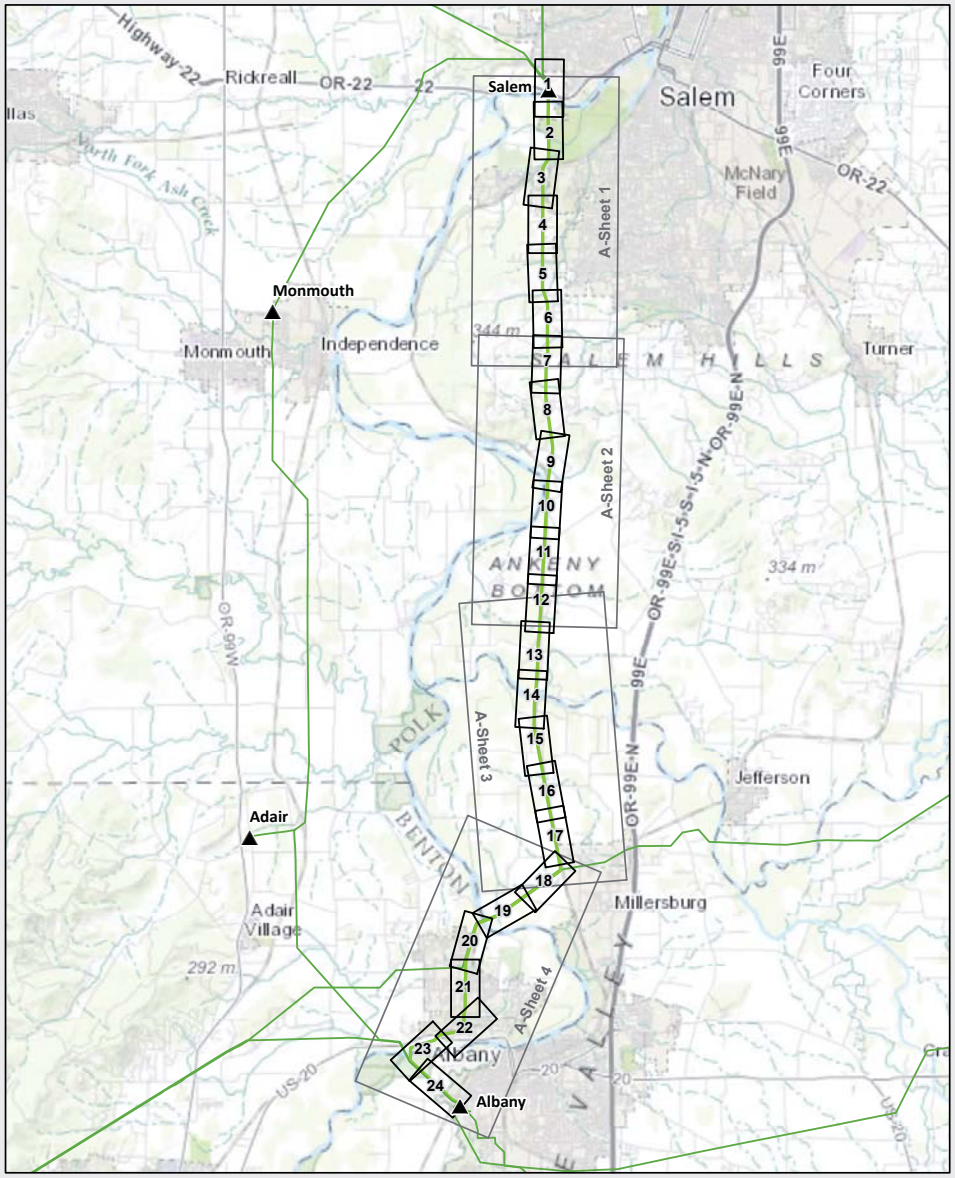
Salem-Albany No. 1 Transmission Line Photomaps Sensitive Areas



Planned Transmission Tower
BPA Transmission Tower
BPA Access Road Tract
BPA Right-of-Way Corridor
County Boundary

Sensitive Areas

Wetlands
Waterways
Rare Plant Area

Disturbance Areas
Permanent
Temporary

Historical Crossings

NON BPA POWERLINE
TELEPHONE, TELEGRAPH
UNDERGROUND CABLE
UNDERGROUND PIPELINE

100% Access Road Plan

New Construction
Reconstruction
Improve Road
Direction of Travel

A	Approach	D	Drain Dip	S	Spot Rock		Unknown Action
B	Bridge	F	Ford	W	Waterbar		Existing Feature
C	Culvert	G	Gate	?	Other		Feature Needs Improvement
R	Ditch Relief	L	Landing				New Feature

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

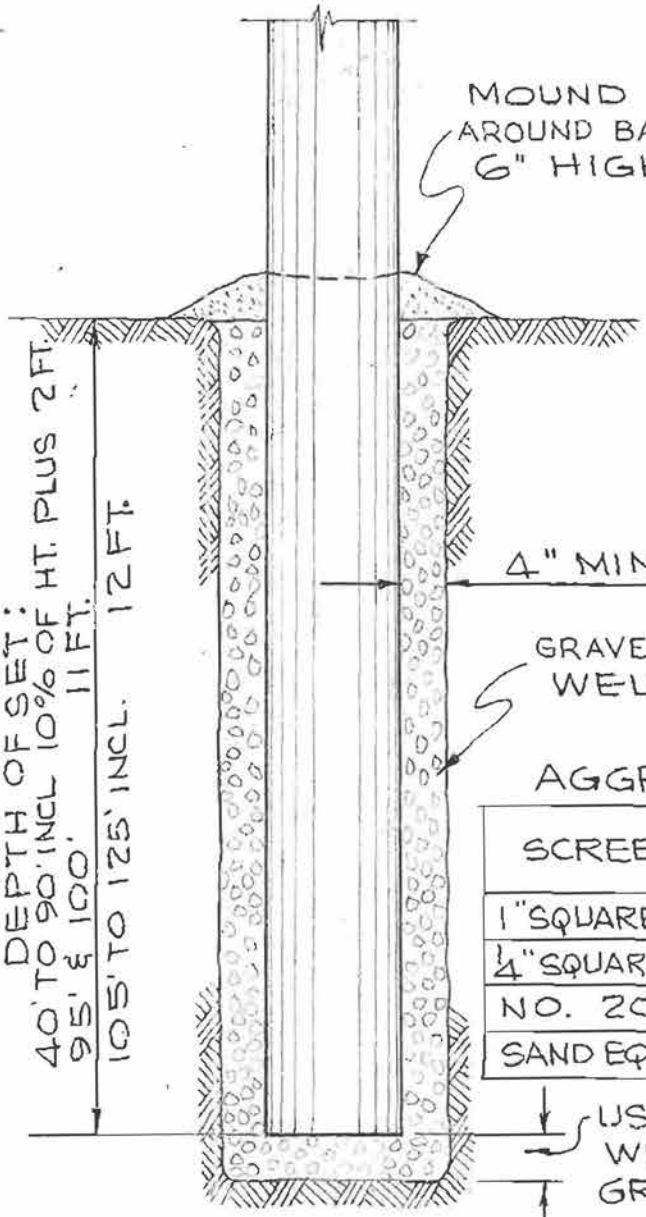
NOT FOR CONSTRUCTION

See individual map sheets for map production date.

Official Use Only.

This product was made for informational and display purposes only and was created with best available data at time of production. It does not represent any legal information or boundaries.
Source: BPA Regional GIS Database, 2014.

GIS Analyst: RLW



AGGREGATE SPECIFICATIONS

SCREEN SIZE	% BY WEIGHT PASSING
1" SQUARE OPENING	100
1/4" SQUARE OPENING	25-80
NO. 200	15 MAX.
SAND EQUIVALENT	35 MIN.

NO.	REVISION	BY	DATE	APPROVED
1	GEN. REVISION	TH B	1-11-77	

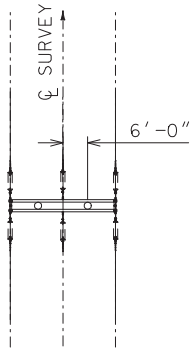
UNITED STATES DEPARTMENT OF THE INTERIOR
BONNEVILLE POWER ADMINISTRATION
PAUL J. RAVER, ADMINISTRATOR

TYPICAL POLE INSTALLATION
CRUSHED ROCK BACKFILL

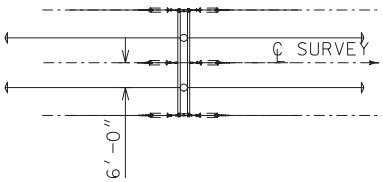
Dr. RHW Sub. Rec. APPROVED Date Design Engineer
Ck. MM. Rec. Section Chief Date 1-4-52 Sh 1 of 1
Ser. 62287-DTW-A Dwg. 00-345-A1769

43445

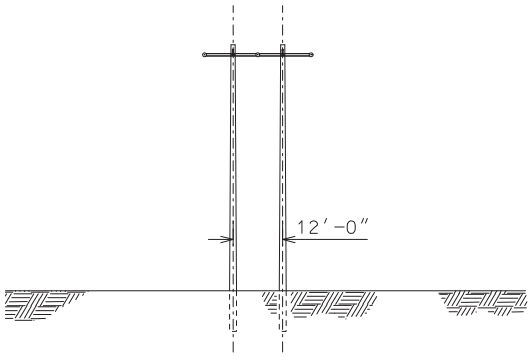
OFFSET NO OFFSET STRUCTURE TYPE 22WD-WSH LINE POLE 65'-65' GUY POLE			
GUY TYPE 2-P2A ROD 1"X10' MAX. H/L= 2.0 MIN. H/L= 1.0			
GUY TYPE ROD MAX. H/L= MIN. H/L=			
GUY TYPE ROD MAX. H/L= MIN. H/L=			
GUY TYPE ROD MAX. H/L= MIN. H/L=			
	REV. NO.	DATE	



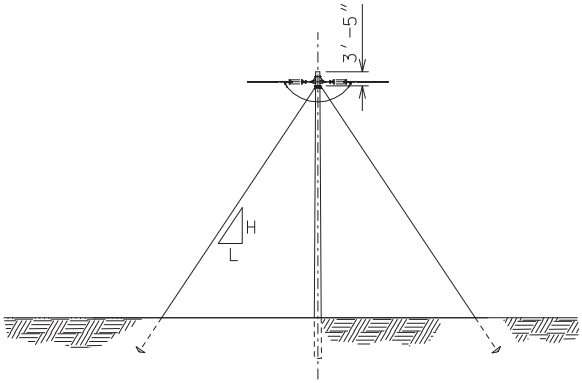
PLAN



PLAN



SIDE GUYS
(0°-5° NORMAL ∡)



LINE GUYS
(0°-5° NORMAL ∡)

NOTES:

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

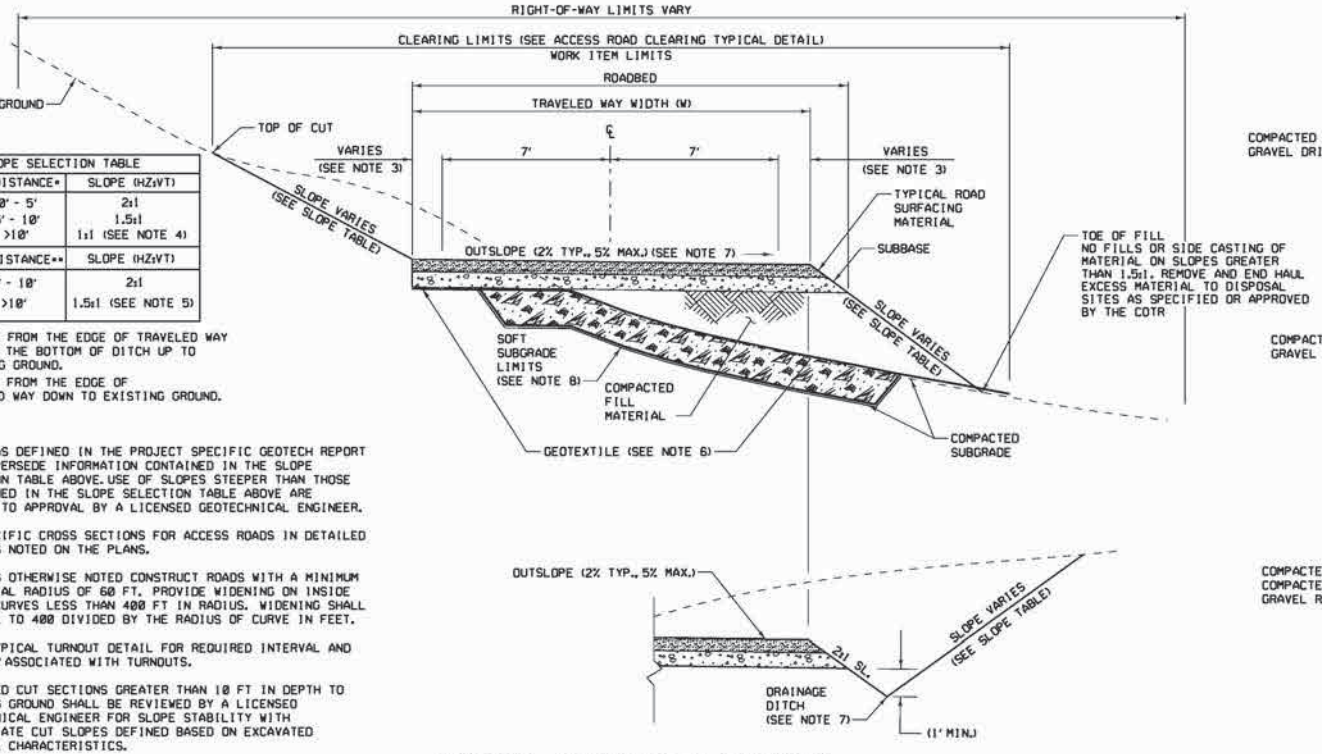
SITE DATA
FOR
115 kV H-FRAME
TYPE 22WD-WSH

LINE ALBANY-EUGENE NO. 1	SH 1 OF 1
STATION 1632+57.8	ANGLE
PL-6 248922 STR. NO. 32/1 (AVX 66)	
BY HDR/RDA DATE 3/11 CK HDR/JEG DATE 3/11	

BPA 1297M JUN 1978

TRIM LINE

TRIM LINE



SLOPE SELECTION TABLE		
CUT	VT. DISTANCE*	SLOPE (HZ:VT)
	0' - 5'	2:1
	5' - 10'	1.5:1
	>10'	1:1 (SEE NOTE 4)
FILL	VT. DISTANCE**	SLOPE (HZ:VT)
	0' - 10'	2:1
	>10'	1.5:1 (SEE NOTE 5)

* MEASURE FROM THE EDGE OF TRAVELED WAY OR FROM THE BOTTOM OF DITCH UP TO EXISTING GROUND.

** MEASURE FROM THE EDGE OF TRAVELED WAY DOWN TO EXISTING GROUND.

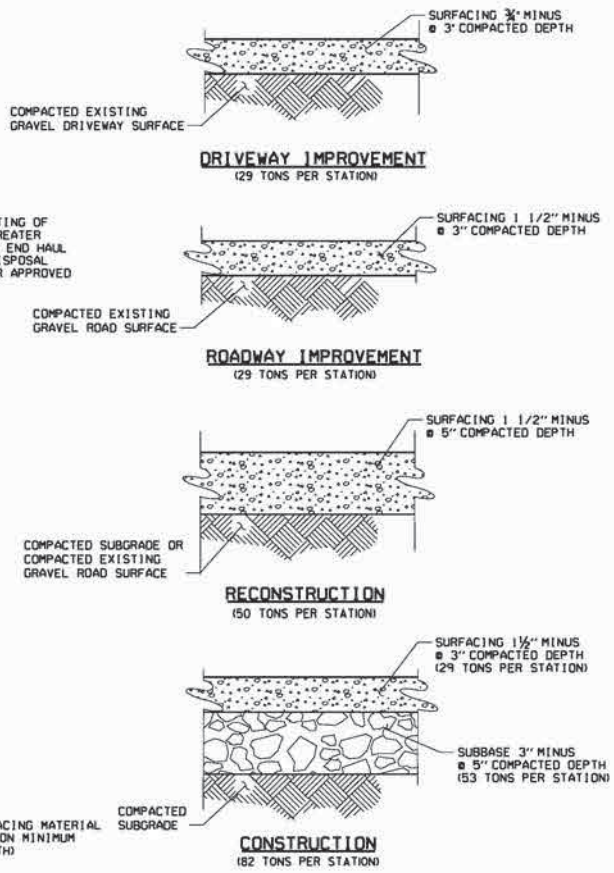
NOTES:

1. SLOPES AS DEFINED IN THE PROJECT SPECIFIC GEOTECH REPORT WILL SUPERSEDE INFORMATION CONTAINED IN THE SLOPE SELECTION TABLE ABOVE. USE OF SLOPES STEEPER THAN THOSE AS DEFINED IN THE SLOPE SELECTION TABLE ABOVE ARE SUBJECT TO APPROVAL BY A LICENSED GEOTECHNICAL ENGINEER.
2. SEE SPECIFIC CROSS SECTIONS FOR ACCESS ROADS IN DETAILED AREAS, AS NOTED ON THE PLANS.
3. A) UNLESS OTHERWISE NOTED CONSTRUCT ROADS WITH A MINIMUM HORIZONTAL RADIUS OF 60 FT. PROVIDE WIDENING ON INSIDE OF ALL CURVES LESS THAN 400 FT IN RADIUS. WIDENING SHALL BE EQUAL TO 400 DIVIDED BY THE RADIUS OF CURVE IN FEET.

   B) SEE TYPICAL TURNOUT DETAIL FOR REQUIRED INTERVAL AND WIDTH "X" ASSOCIATED WITH TURNOUTS.
4. EXCAVATED CUT SECTIONS GREATER THAN 10 FT IN DEPTH TO EXISTING GROUND SHALL BE REVIEWED BY A LICENSED GEOTECHNICAL ENGINEER FOR SLOPE STABILITY WITH APPROPRIATE CUT SLOPES DEFINED BASED ON EXCAVATED MATERIAL CHARACTERISTICS.
5. FILL SECTIONS GREATER THAN 10 FT IN HEIGHT TO EXISTING GROUND SHALL BE REVIEWED BY A LICENSED GEOTECHNICAL ENGINEER FOR SLOPE STABILITY WITH APPROPRIATE FILL SLOPES BASED ON FILL MATERIAL CHARACTERISTICS.
6. ALL GEOTEXTILE APPLICATIONS USED TO STABILIZE ACCESS ROADS SHALL BE 15 FT MINIMUM WIDE ROLLS WITH A MINIMUM OF 112 TONS PER STATION OF QUARRY SPALLS WRAPPED IN THE GEOTEXTILE. ROAD SURFACING MATERIAL PLACED OVER THE SUBGRADE STABILIZATION SHALL BE A MINIMUM OF 50 TONS PER STATION.
7. WHEN THE ROADWAY IS A THROUGH CUT SECTION, A DRAINAGE DITCH IS REQUIRED ON THE LOW SIDE OF THE ROADWAY. IF THE CONTRACTOR CONSTRUCTS AN INSLOPED ROAD, A DITCH AND A WATER CROSSING FEATURE WILL BE REQUIRED.
8. SUBGRADE STABILIZATION LIMITS AS DEFINED IN THE ACCESS ROAD SUMMARY OR AS REQUIRED BY THE SPECIFICATIONS. APPLICATION OF SUBGRADE STABILIZATION DUE TO UNFORESEEN SUBGRADE FAILURE OR WET WEATHER CONSTRUCTION ACTIVITIES WILL REQUIRE COTR APPROVAL. SEE GEOTECH REPORT FOR FURTHER GUIDANCE REGARDING WET WEATHER CONSTRUCTION METHODS AND REQUIREMENTS.
9. IF SOFT SUBGRADE CONDITIONS ARE FOUND AS A RESULT OF AN UNFORESEEN CONDITION THAT WILL NOT SUPPORT CONSTRUCTION ACROSS DIRECTION OF TRAVEL LOCATIONS, SEE TEMPORARY ACCESS ROAD TYPICAL DETAIL. USE OF TEMPORARY ROADS IN PLACE OF DIRECTION OF TRAVEL WILL REQUIRE GEOTECHNICAL REVIEW AND COTR APPROVAL.
10. ALL TYPICAL ROAD SURFACING MATERIAL QUANTITIES SHOWN IN TONS PER STATION INCLUDE A 10% INCREASE OF MATERIAL RECOVERY FOR CURVE WIDENING AND VEHICLE TURNOUTS.

TYPICAL ROAD CROSS SECTION

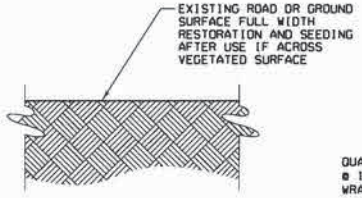
NTS



TYPICAL ROAD SURFACING MATERIAL

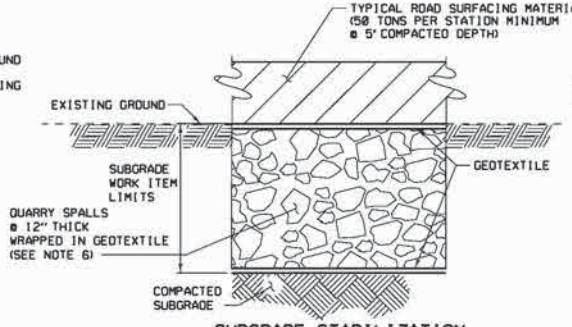
NTS

FOR NEW CONSTRUCTION, RECONSTRUCTION, IMPROVEMENT, AND DRIVEWAY AS DEFINED IN ACCESS ROAD SUMMARY



DIRECTION OF TRAVEL

(SEE NOTE 9)



SUBGRADE STABILIZATION

(112 TONS PER STATION)

DRAWING NUMBER	SHEET	TITLE

REFERENCE DRAWINGS

NO.	*C	W.O. 303920	COMPUTER REVISION ONLY	BY	DATE	APPROVED

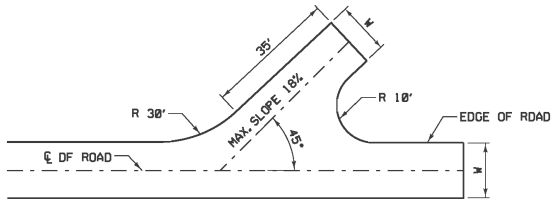
* C=CONTRACT CONSTRUCTION, F=FORCE ACCOUNT CONSTRUCTION, R=RECORD

Design HDR/L. BUSENDARK
Drawn HDR/CADD
Chkd HDR/B. YELTON
Sub
Rec
Rec
Appr
Date JUNE 2013

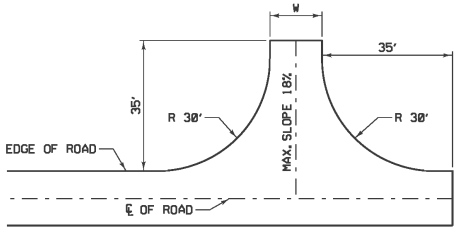
UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

ALVEY - FAIRVIEW NO. 1
230kV TRANSMISSION LINE REBUILD PROJECT
ROAD CROSS SECTION
TYPICAL DETAIL

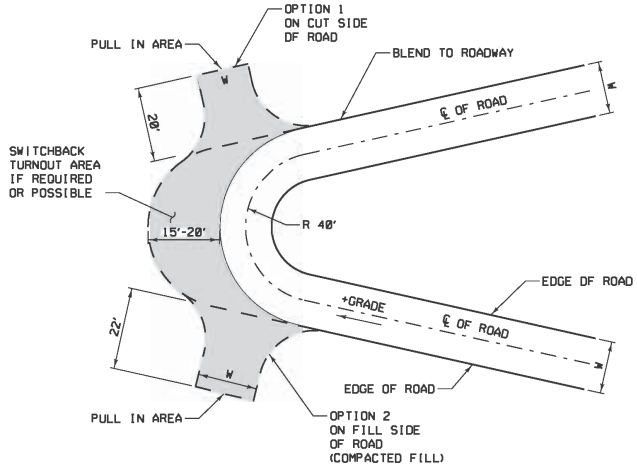
SERIAL	SOURCE	SIZE	SHEET	REVISION
	LFC	B	TD01	0



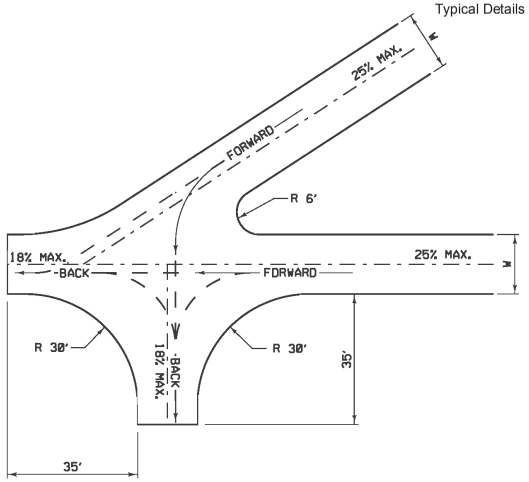
J-HOLE TURNAROUND
NTS



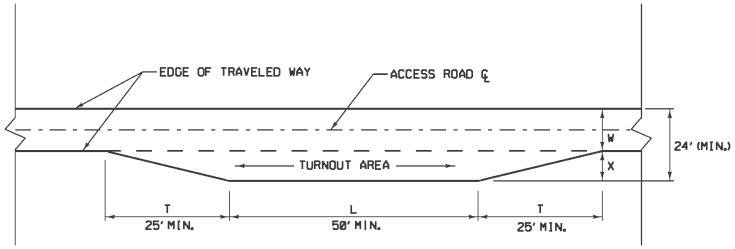
T-TURNAROUND
NTS



SWITCHBACK WITH TURNOUT
NTS



SWITCHBACK WITH T-TURNOUT
NTS



W = TRAVELED WAY WIDTH (SEE ROAD CROSS SECTION TYPICAL DETAIL)
X = TURNOUT WIDTH
L = TURNOUT LENGTH
T = TAPER LENGTH

VEHICLE TURNOUT
NTS

NOTES:

1. TURNOUT AREA SURFACING TO MATCH ROAD CROSS SECTION TYPICAL DETAIL.
2. PLACE VEHICLE TURNOUTS AT A MINIMUM OF ¼ MILE INCREMENTS ALONG AN ACCESS ROAD ALIGNMENT, PER BPA STANDARDS.
3. WHEN IT IS NOT PRACTICAL TO INSTALL TURNOUTS AT THE ¼ MILE STANDARD INTERVAL AS DEFINED IN THE BPA STANDARDS, COTR APPROVAL IS REQUIRED.
4. SEE ROAD CROSS SECTION TYPICAL DETAIL FOR ACCESS ROAD TRAVELED WAY WIDTH "W" WITH TYPICAL TURNOUT WIDTH "X" BEING 24 FEET MINUS "W" ALIGNMENT, PER BPA STANDARDS.

DRAWING NUMBER	SHEET	TITLE

REFERENCE DRAWINGS

NO.	*C	W.O. 303928	COMPUTER REVISION ONLY	BY	DATE	APPROVED

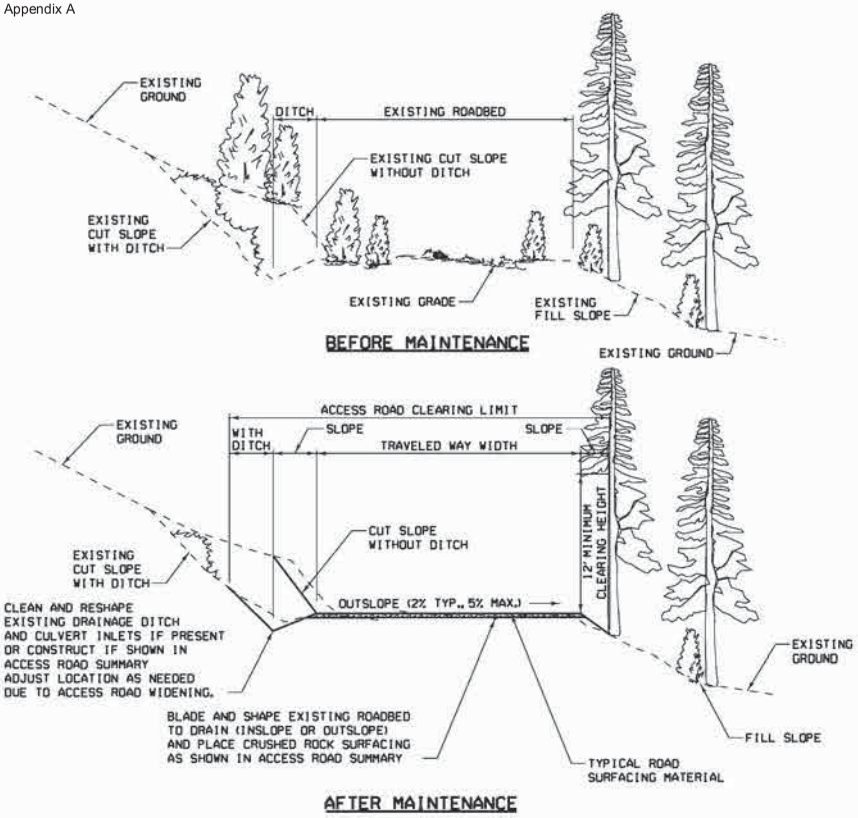
* C=CONTRACT CONSTRUCTION, FA=FORCE ACCOUNT CONSTRUCTION, R=RECORD

Design HDR/L. BUSENBARK
Drawn HDR/CADD
Chkd HDR/B. YELTON
Sub
Rec
Rec
Appr
Date JUNE 2013

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

ALVEY - FAIRVIEW NO. 1
230kV TRANSMISSION LINE REBUILD PROJECT
ROAD "J" HOLE & TURNOUTS
TYPICAL DETAILS

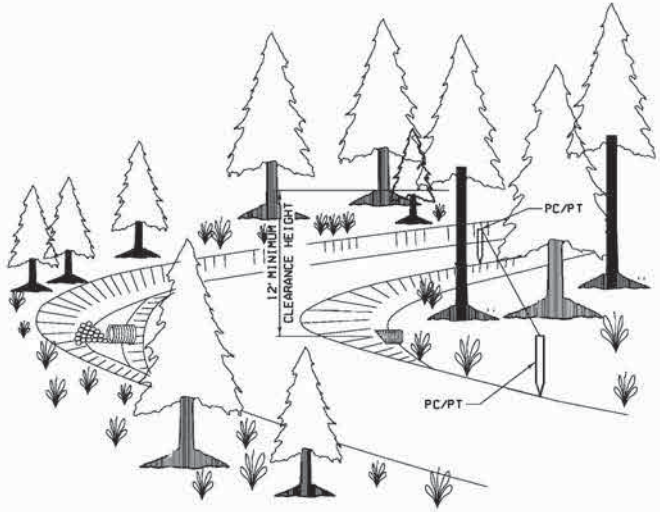
SERIAL	SOURCE	SIZE	SHEET	REVISION
	LFC	B	TD03	0



EXISTING ROAD MAINTENANCE AND CLEARING DETAIL

NTS

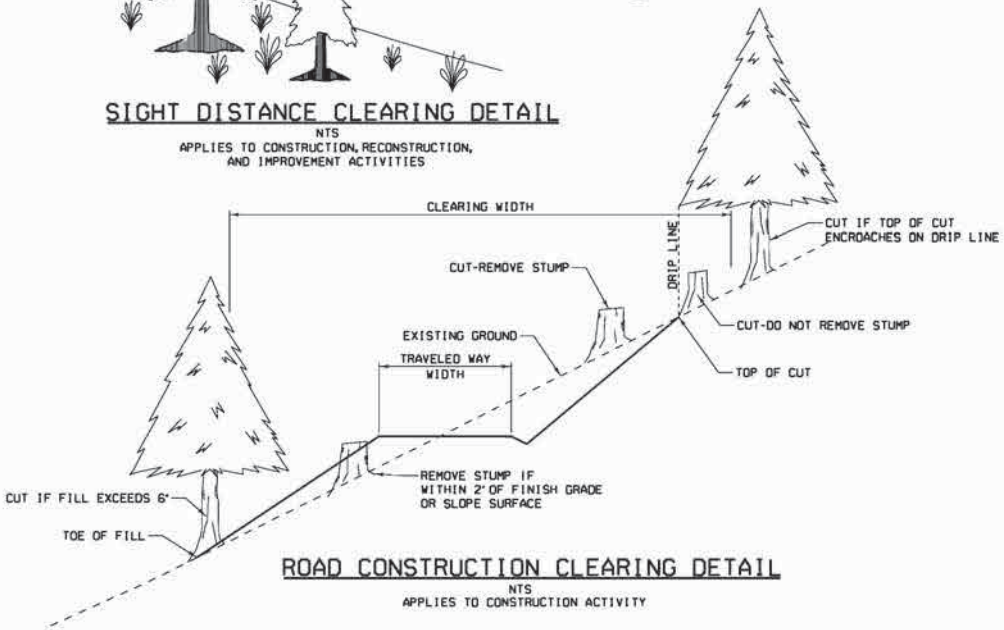
APPLIES TO RECONSTRUCTION AND IMPROVEMENT ACTIVITIES



SIGHT DISTANCE CLEARING DETAIL

NTS

APPLIES TO CONSTRUCTION, RECONSTRUCTION, AND IMPROVEMENT ACTIVITIES



ROAD CONSTRUCTION CLEARING DETAIL

NTS

APPLIES TO CONSTRUCTION ACTIVITY

NOTES:

1. REMOVE ALL TREES AND BRUSH WITHIN CLEARING LIMITS SHOWN ON DETAIL OR AS MARKED ON THE GROUND. THE ACCESS ROAD CLEARING LIMIT IS DEFINED AS BEING FROM TOP OF CUT PLUS DRIP LINE TO TOE OF FILL AT 6" DEPTH MAX. TREES MUST BE PROPERLY MARKED AND APPROVED FOR REMOVAL PRIOR TO CUTTING.
2. THE SIGHT DISTANCE CLEARING IS IN ADDITION TO THE ACCESS ROAD CLEARING LIMIT AS DEFINED BY THE LINE OF SIGHT AT THE EDGE OF TRAVELED WAY BETWEEN THE PC & PT OF THE ACCESS ROAD CURVE OR AS MARKED ON THE GROUND. THIN CONIFER TREES WITHIN THIS AREA TO APPROXIMATELY A 12 FT TRUNK SPACING UNLESS TREES ARE MARKED DIFFERENTLY IN THE FIELD. REMOVE ALL HARDWOOD AND BRUSH WITHIN THESE LIMITS UNLESS DIRECTED OTHERWISE.
3. TRIM BRANCHES ON REMAINING CONIFERS FROM GROUND LEVEL TO A 12 FT CLEARING HEIGHT LIMIT ABOVE THE ROADBED ELEVATION OR TO A LIMIT OF 60% TREES HEIGHT, WHICHEVER IS LESS. CUT LIMBS OF VEGETATION SO AS NOT TO PROTRUDE WITHIN THE ACCESS ROAD CLEARING LIMITS.
4. BLADE AND RESHAPE EXISTING ACCESS ROAD TO SPECIFIED GRADES AND DIMENSIONS AS SHOWN IN THE ROAD CROSS SECTION TYPICAL DETAIL AND PLACE ROAD SURFACING MATERIAL DESCRIBED IN THE ACCESS ROAD SUMMARY.
5. CLEAN AND RESHAPE EXISTING DRAINAGE DITCHES INCLUDING CULVERT INLETS IF PRESENT OR CONSTRUCT FEATURES AS DESCRIBED IN THE ACCESS ROAD SUMMARY. ADJUST EXISTING DRAINAGE FEATURES AS NEEDED TO SUPPORT ACCESS ROAD WIDENING.
6. RESHAPE EXISTING WATER BARS, DRAIN DIPS, OR OTHER EXISTING DRAINAGE FEATURES TO DRAIN THE ACCESS ROAD. PLACE ROAD SURFACING MATERIAL, WATER BARS, AND DRAIN DIPS AS SHOWN IN THE ACCESS ROAD SUMMARY.
7. DIMENSIONS OR SHOWN MAY VARY TO FIT LOCAL CONDITIONS AS APPROVED BY COTR.

DRAWING NUMBER	SHEET	TITLE
REFERENCE DRAWINGS		

NO.	*C	W.O. 303928	COMPUTER REVISION ONLY	BY	DATE	APPROVED

* C=CONTRACT CONSTRUCTION, FA=FORCE ACCOUNT CONSTRUCTION, R=RECORD

Design HDR/L. BUSENDARK
Drawn HDR/CADD
Chkd HDR/B. YELTON
Sub
Rec
Rec
Appr
Date JUNE 2013

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

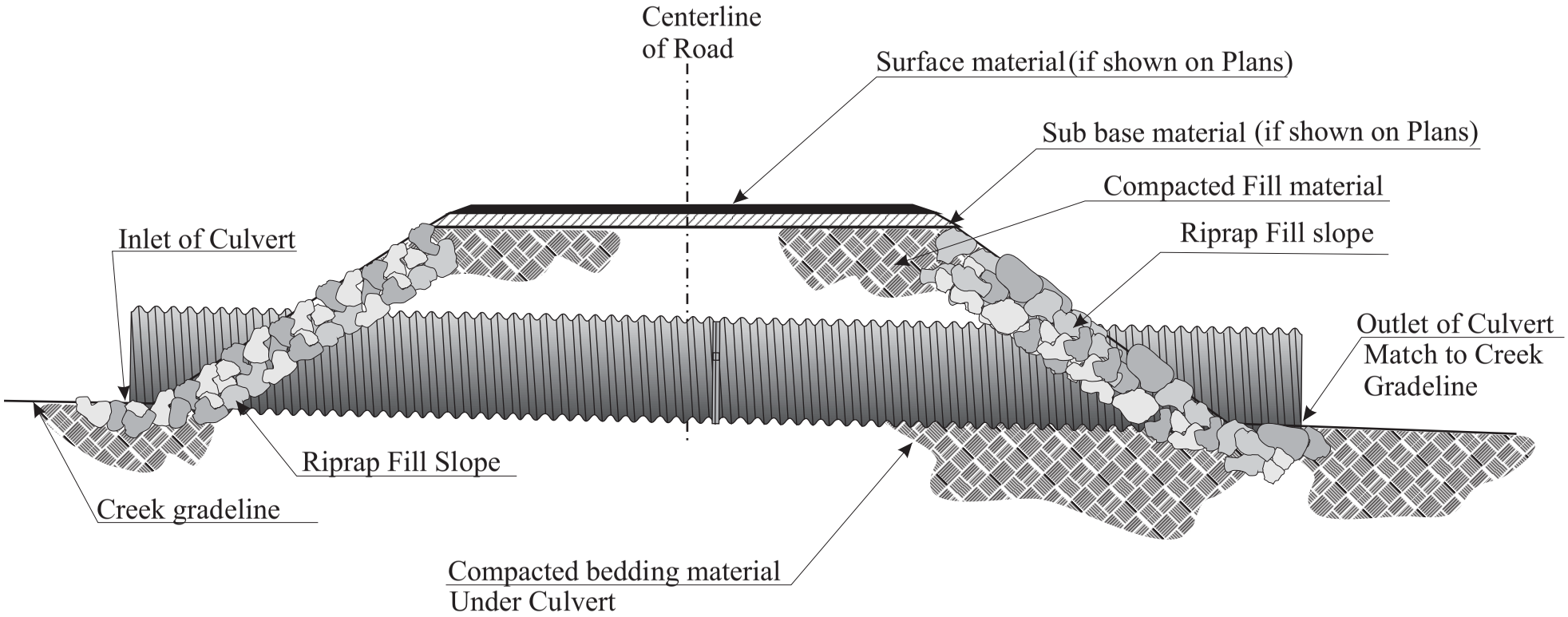
ALVEY - FAIRVIEW NO. 1
230kV TRANSMISSION LINE REBUILD PROJECT
ACCESS ROAD CLEARING
TYPICAL DETAILS

SERIAL	SOURCE	SIZE	SHEET	REVISION
	LFC	B	TD04	0

BONNEVILLE POWER ADMINISTRATION

CREEK CULVERT INSTALLATION WITH/WITHOUT RIPRAP

BONNEVILLE POWER ADMIN ROADS ACCESS ROADS SECTION



See Notes or Plans for Stationing and Size of Culvert

Not to Scale

DESIGN	ENGINEERING
DESIGN RRV	
DRAWN RRV	ENGR
CHKD	CHKD
SUB	SUB
SUB	SUB
REC	
REC	
APPR	
DATE 5/15/2003	

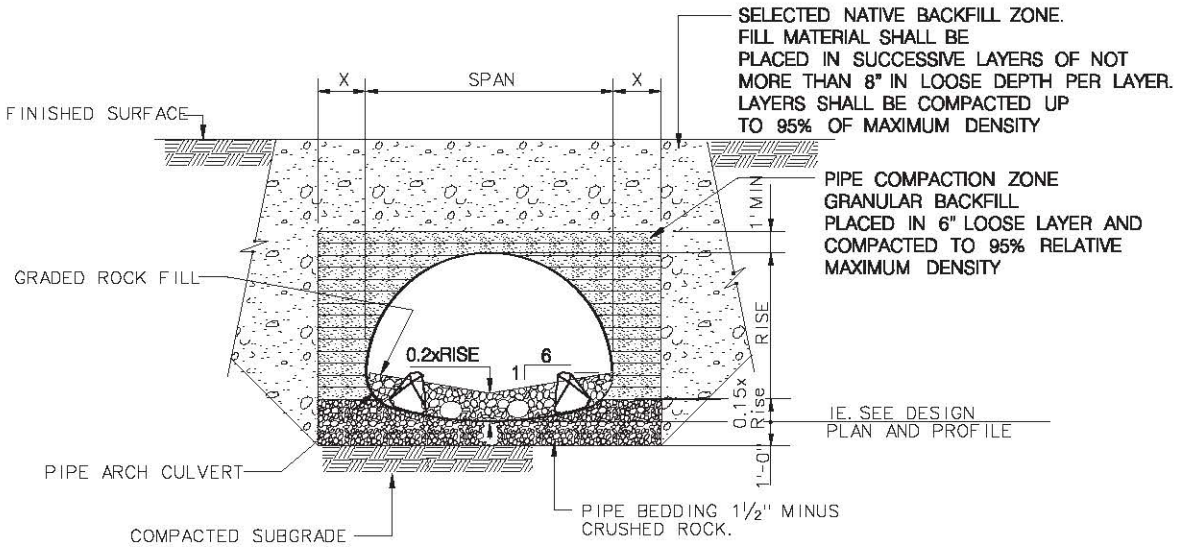
UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
TWO PARK PLACE, VANCOUVER WASHINGTON

Creek Culvert Installation with/without Riprap

SERIAL	SOURCE	SIZE	SHEET	REVISION
26868901				

File: A/R-11

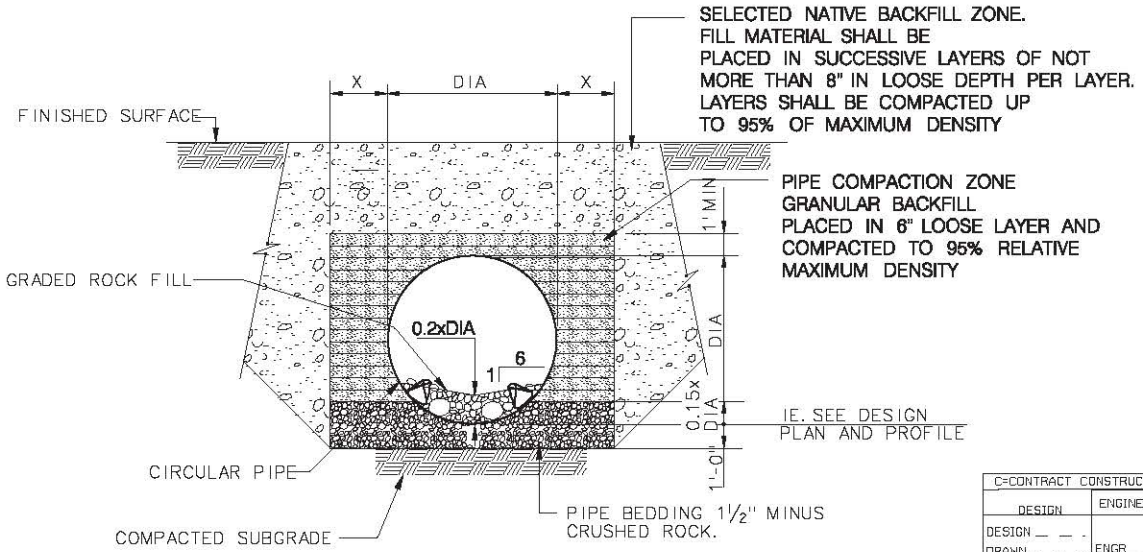
CULVERT BACKFILL DETAIL



SPAN	X
LESS 3 FT	1 FT MIN
3 FT-6 FT	2 FT MIN
>6 FT	½x SPAN

TYPICAL BACKFILL SECTION

NTS



SPAN	X
LESS 3 FT	1 FT MIN
3 FT-6 FT	2 FT MIN
>6 FT	½x DIA

NOT TO SCALE

C=CONTRACT CONSTRUCTION ,FA=FORCE ACCOUNT CONSTRUCTION ,R=RECORD

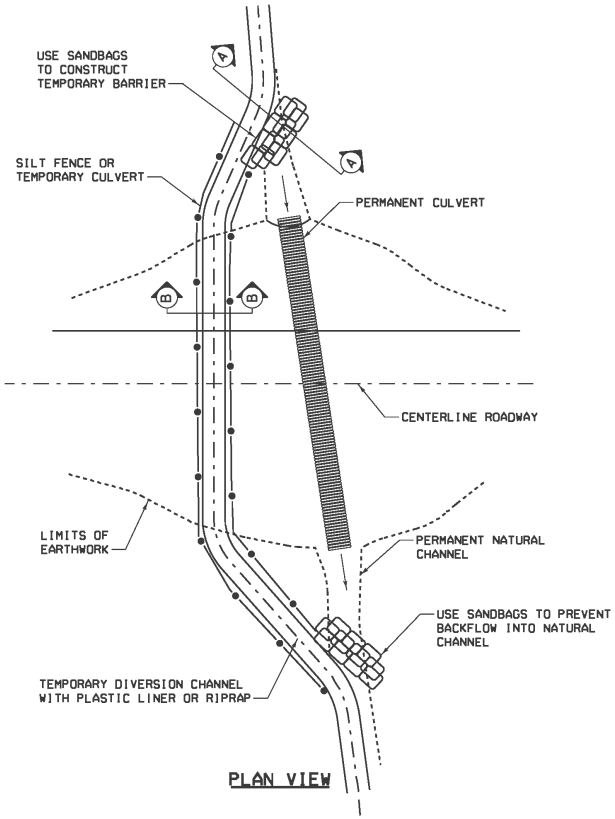
DESIGN	ENGINEERING
DESIGN	
DRAWN	ENGR
CHKD	CHKD
SUB	SUB
SUB	SUB
REC	
REC	
APPR	
DATE	

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

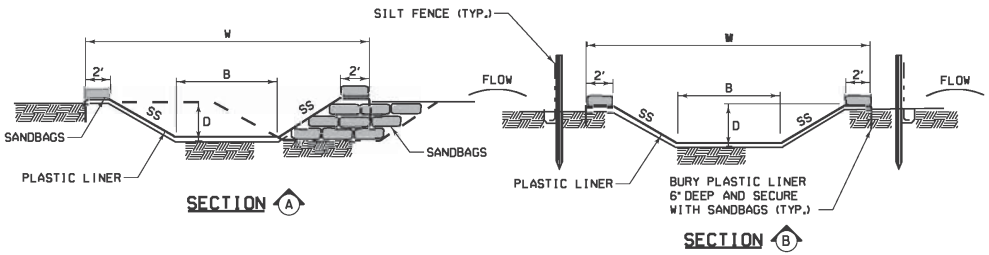
CULVERT BACKFILL DETAIL

SERIAL	SOURCE	SIZE	SHEET	REVISION

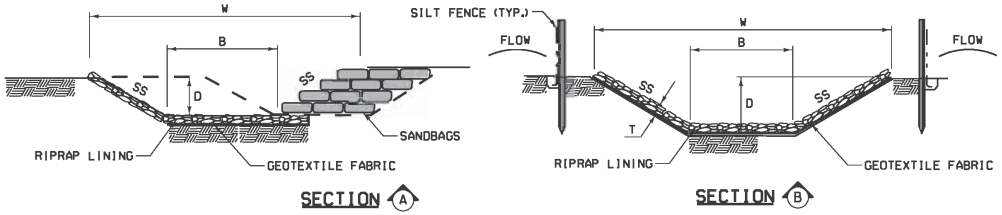
File: A/R-104



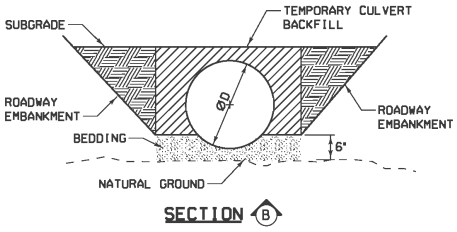
DIVERSION CHANNEL
NTS



PLASTIC LINED DIVERSION CHANNEL
NTS



RIPRAP LINED DIVERSION CHANNEL
NTS



TEMPORARY CULVERT
NTS

NOTES:

1. ADJUST DIMENSIONS (W, B, D, T AND SS) DURING CONSTRUCTION TO MEET THE REQUIREMENTS FOR STREAM SIZE AND FLOW.
2. USE PLASTIC LINER OR RIPRAP ALONG THE ENTIRE LENGTH AND WIDTH OF THE TEMPORARY DIVERSION CHANNEL.
3. CONSTRUCT CHANNEL AT THE MINIMUM GRADE OF 0.5%.
4. DO NOT CONSTRUCT WITH LONGITUDINAL JOINTS IF USING A PLASTIC LINER. BURY THE UPSTREAM EDGE OF THE LINER A MINIMUM OF 6" DEEP AND SECURE WITH RIPRAP OR SANDBAGS.
5. COMPACT TEMPORARY CULVERT BACKFILL USING ONE OF THE METHODS LISTED IN THE SPECIFICATIONS.
6. DIVERSION CHANNEL AND TEMPORARY CULVERT SHALL BE INCIDENTAL TO CULVERT INSTALLATION.

DRAWING NUMBER	SHEET	TITLE

REFERENCE DRAWINGS

NO.	*C	W.O. 303928	COMPUTER REVISION ONLY	BY	DATE	APPROVED

* C=CONTRACT CONSTRUCTION, FA=FORCE ACCOUNT CONSTRUCTION, R=RECORD

Design HDR/L. BUSENBARK
Drawn HDR/CADD
Chkd HDR/B. YELTON
Sub
Rec
Rec
Appr
Date JUNE 2013

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

ALVEY - FAIRVIEW NO. 1
230kV TRANSMISSION LINE REBUILD PROJECT
CULVERT DIVERSION
TYPICAL DETAIL

SERIAL	SOURCE	SIZE	SHEET	REVISION
	LFC	B	TD15	0

Table 1 Fill and impact acreage by waters.

Waters Name	Resource Type	Impact Duration	Proposed Area (Acres)	Impact type
NWP-2016-57 1_03/2_1	Non-Tidal Wetland	Permanent	0.0112034	Fill
NWP-2016-57 1_03/5_1	Non-Tidal Wetland	Permanent	0.0756626	Fill
NWP-2016-57 1_03/5_2	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-057 1_09/1_D_2	River/Stream	Permanent	0.0007386	Fill
NWP-2016-057 1_10/4_D_1	River/Stream	Permanent	0.0013196	Fill
NWP-2016-057 1_10/4_D_2	River/Stream	Permanent	0.0237661	Fill
NWP-2016-057 1_10/4_D_2	River/Stream	Permanent	0.0019241	Fill
NWP-2016-057 1_10/4_D_2	River/Stream	Permanent	0.0002700	Fill
NWP-2016-57 1_10/5_1	Non-Tidal Wetland	Permanent	0.0228409	Fill
NWP-2016-57 1_10/5_1	Non-Tidal Wetland	Permanent	0.0019241	Fill
NWP-2016-57 1_10/5_1	Non-Tidal Wetland	Permanent	0.0016500	Fill
NWP-2016-57 1_10/5_2	Non-Tidal Wetland	Permanent	0.1636679	Fill
NWP-2016-57 1_10/5_2	Non-Tidal Wetland	Permanent	0.0012900	Fill
NWP-2016-57 1_10/7_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_10/7_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_10/7_1	Non-Tidal Wetland	Permanent	0.0000718	Fill

NWP-2016-57 1_10/7_1	Non-Tidal Wetland	Permanent	0.0000049	Fill
NWP-2016-57 1_10/7_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_10/7_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_10/7_1	Non-Tidal Wetland	Permanent	1.2879576	Fill
NWP-2016-57 1_10/7_1	Non-Tidal Wetland	Permanent	0.0000669	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	2.1710545	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0011705	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0015048	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0009600	Fill

NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0009600	Fill
NWP-2016-57 1_11/2_1	Non-Tidal Wetland	Permanent	0.0092300	Fill
NWP-2016-057 1_11/2_D_1	River/Stream	Permanent	0.0011705	Fill
NWP-2016-57 1_12/3_1	Non-Tidal Wetland	Permanent	0.0713809	Fill
NWP-2016-57 1_12/3_1	Non-Tidal Wetland	Permanent	0.0222134	Fill
NWP-2016-57 1_12/3_2	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_12/3_2	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_12/3_2	Non-Tidal Wetland	Permanent	0.0226016	Fill
NWP-2016-057 1_12/3_D_1	River/Stream	Permanent	0.0015048	Fill
NWP-2016-057 1_12/3_D_1	River/Stream	Permanent	0.0089900	Fill
NWP-2016-057 1_12/5_WW_1	River/Stream	Permanent	0.0010358	Fill
NWP-2016-057 1_12/5_WW_1	River/Stream	Permanent	0.0005300	Fill
NWP-2016-57 1_12/6_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_12/6_1	Non-Tidal Wetland	Permanent	0.1279660	Fill
NWP-2016-57 1_13/2_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_13/2_1	Non-Tidal Wetland	Permanent	0.0247535	Fill
NWP-2016-57 1_13/5_2	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_13/6_1	Non-Tidal Wetland	Permanent	0.0046212	Fill
NWP-2016-57 1_13/6_1	Non-Tidal Wetland	Permanent	0.0000900	Fill
NWP-2016-57 1_13/7_1	Non-Tidal Wetland	Permanent	0.0223685	Fill

NWP-2016-57 1_16/9_1	Non-Tidal Wetland	Permanent	0.0022800	Fill
NWP-2016-57 1_16/9_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_16/9_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_16/9_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_16/9_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_16/9_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_16/9_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_16/9_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_16/9_1	Non-Tidal Wetland	Permanent	0.0000113	Fill
NWP-2016-57 1_16/9_1	Non-Tidal Wetland	Permanent	1.5338788	Fill
NWP-2016-57 1_17/13_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_17/13_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_17/8_1	Non-Tidal Wetland	Permanent	0.0539375	Fill
NWP-2016-57 1_18/10_1	Non-Tidal Wetland	Permanent	0.0023304	Fill
NWP-2016-57 1_18/3_1	Non-Tidal Wetland	Permanent	0.0001800	Fill
NWP-2016-57 1_18/3_1	Non-Tidal Wetland	Permanent	0.0000718	Fill
NWP-2016-57 1_18/3_1	Non-Tidal Wetland	Permanent	0.0000700	Fill
NWP-2016-57 1_18/3_1	Non-Tidal Wetland	Permanent	0.0000700	Fill
NWP-2016-57 1_18/3_1	Non-Tidal Wetland	Permanent	0.0000700	Fill
NWP-2016-57 1_18/3_1	Non-Tidal Wetland	Permanent	0.0000700	Fill

NWP-2016-57 1_18/3_1	Non-Tidal Wetland	Permanent	0.0195400	Fill
NWP-2016-57 1_18/3_1	Non-Tidal Wetland	Permanent	0.0005800	Fill
NWP-2016-057 1_18/5_D_1	River/Stream	Permanent	0.0005800	Fill
NWP-2016-057 1_19/2_D_1	River/Stream	Permanent	0.0001800	Fill
NWP-2016-057 1_19/3_1	Non-Tidal Wetland	Permanent	0.0060500	Fill
NWP-2016-057 1_22/7_1	Non-Tidal Wetland	Permanent	0.0034200	Fill
NWP-2016-057 1_22/7_1	Non-Tidal Wetland	Permanent	0.0573900	Fill
NWP-2016-057 1_22/7_1	Non-Tidal Wetland	Permanent	0.0573900	Fill
NWP-2016-057 1_22/7_1	Non-Tidal Wetland	Permanent	0.0709400	Fill
NWP-2016-057 1_22/7_1	Non-Tidal Wetland	Permanent	0.0020300	Fill
NWP-2016-057 1_22/7_1	Non-Tidal Wetland	Permanent	0.0000700	Fill
NWP-2016-057 1_22/7_1	Non-Tidal Wetland	Permanent	0.0384200	Fill
NWP-2016-057 1_22/7_1	Non-Tidal Wetland	Permanent	0.0000700	Fill
NWP-2016-057 1_22/7_WW_1	River/Stream	Permanent	0.0001400	Fill
NWP-2016-057 1_22/7_WW_1	River/Stream	Permanent	0.0008500	Fill
NWP-2016-057 1_22/9_D_2	Non-Tidal Wetland	Permanent	0.0001400	Fill
NWP-2016-057 1_22/9_D_2	River/Stream	Permanent	0.0020300	Fill
NWP-2016-057 1_23/6_1	Non-Tidal Wetland	Permanent	0.0155000	Fill