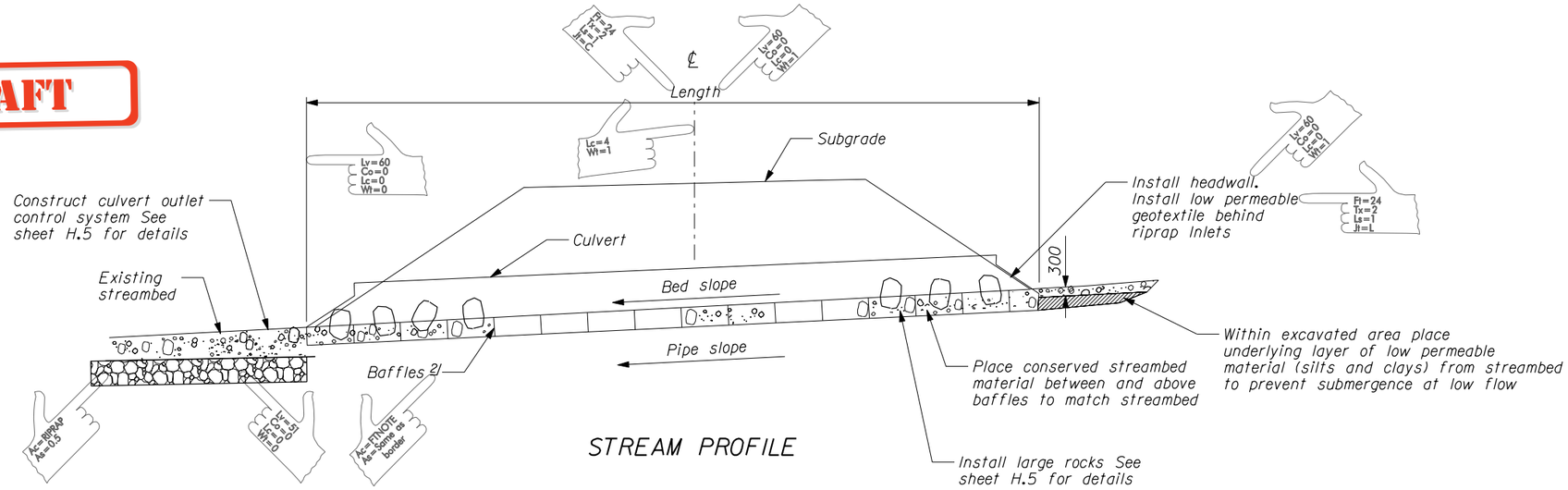
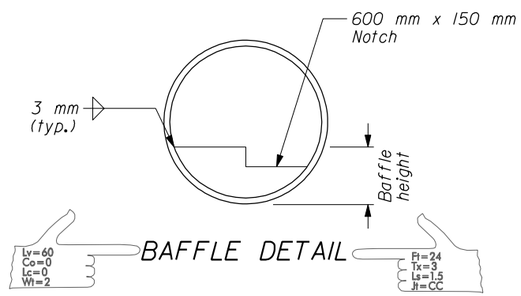
STATE	PROJECT	SHEET NUMBER
AK	PFH 9-1(9)	H.2

DRAFT

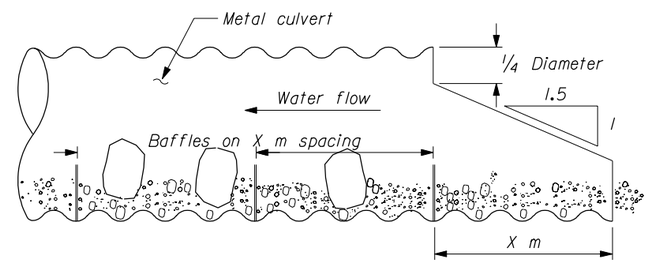


STREAM PROFILE

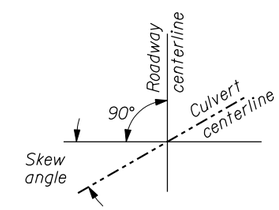
Check with your permitting agencies if they will allow a typical. Some agencies require a design for each fish passage.



BAFFLE DETAIL



NOT TO SCALE



SKEW ANGLE DIAGRAM

BAFFLED CULVERT INSTALLATION

BAFFLED CULVERTS

LOCATION	PIPE CULVERT		UPSTREAM ELEVATION		DOWNSTREAM ELEVATION		SLOPE							
	Diameter (mm)	Length (m)	Pipe Invert (m)	Bed Invert (m)	Pipe Invert (m)	Bed Invert (m)	Pipe (Sp) (m/m)	Bed (Sb) (m/m)	Stream Width Z,(m)	OHW (m)	Baffle Height (m)	Baffle Spacing X,(m)	Headwall,1/ Concrete or Riprap	Skew (deg.)
3+937	2100	31	71.3	71.8	67.4	67.9	0.120	0.120	1.8	0.5	0.46	1.0	Riprap	42
4+011	3000	32	67.3	67.9	63.4	64.0	0.118	0.118	2.5	0.4	0.60	1.0	Concrete	0
4+041	2100	28	67.2	67.7	64.7	65.2	0.090	0.090	1.5	0.4	0.46	1.5	Riprap	15
4+280	1200	35	67.1	67.4	65.2	65.5	0.053	0.053	0.6	0.3	0.30	1.5	Riprap	60
4+355	1200	20	67.0	67.3	64.6	64.9	0.120	0.120	0.9	0.4	0.30	1.0	Riprap	0
5+180	2100	29	80.0	80.5	79.1	79.6	0.033	0.033	1.1	0.6	0.46	1.5	Riprap	30
11+016	2100	23	14.5	15.0	11.6	12.1	0.132	0.132	0.9	0.4	0.46	1.0	Riprap	14
11+114	1200	22	13.6	13.9	10.5	10.8	0.141	0.141	0.8	0.4	0.30	1.0	Riprap	33
11+196	2100	22	8.7	9.2	5.8	6.3	0.132	0.132	1.1	0.5	0.46	1.0	Riprap	0
11+243	1200	25	7.9	8.5	5.7	6.0	0.088	0.088	0.8	0.4	0.30	1.5	Riprap	44
14+428	3600	39	75.3	76.2	70.6	71.5	0.120	0.120	4.3	0.9	0.90	1.0	Riprap	48
16+864	2100	71	43.1	43.6	37.9	38.4	0.078	0.078	1.9	1.0	0.46	1.5	Riprap	36

NOTE:

1. Conserve gravel and cobble material encountered in streambed excavation for use as streambed material.
2. Place conserved streambed material in the culvert to match the existing streambed slope as closely as possible. If sufficient streambed material is not available, use the sand/gravel/cobble gradation in Subsection 704.13
3. Culvert backfill up to streambed material and rock level will not be measured for payment.

FOOTNOTE:

1/ Riprap headwall, See sheet H.5 for details. Concrete headwall, See sheet H.7 for details.

2/ Begin baffles 1.0 meter from one end.

FISH PASSAGE BAFFLED CULVERT INSTALLATION

Designed by: A. Designer 2/1999
Checked by: D. Checker 3/1999
11/28/01
F:\StanDraw\SampleSheets\ak0919ea.dgn