	FLH	CULVERT A	ASSESSMENT FORM	Overall Rating
Notes by:		Date:	Project:	Good
Measurements by:		Time:		Fair
Site Information:				Poor
Facility Location:			Lat/Long	
Milepost:	_ Project Station:		GPS Road CL Waypoint No.	
Named waterway: Culvert Information:			Direction of Flow:	Performance Problem
	Barrel Length (appro	ox):	Barrel Slope Mild Steep / _	
			rox Cover: Upstream Do	
Barrel Shape (circle one)			Elliptical Pipe Arch Arch	
	Diameter:	/ Spa	an x Rise	
Pipe Material (circle one)	<u>):</u> Metal)- Con	crete / RCP -	Corrugated Plastic - Smooth Plastic -	Timber – Masonry
Appurtenances (circle on	<u>ne):</u>			
Upstream : Proje	ecting / Mitered / He	adwall / Headv	wall & Wingwalls / Flared End Section	V
Downstream : Pr	rojecting / Mitered / H	leadwall / Head	dwall & Wingwalls / Elared End Section	¹
Flowing or standing water	er? N / 🕎 Depth:	(ft) Est.	Flow Velocity:(ft/s) Possible A	OP/fish passage? Y /(N
Utilities Present (list)? Y	/ N	Pos	sible historic features? Y / N	Open Bottom? Y / N
Culvert Condition	and Performance (ircle / check a	all that apply and provide appropriate	explanations below)
Category	Ratir	ng	Performance Problems Re	quiring Level 1 Action
Invert deterioration	Good Fair Poor	Crit Unk N/A	Debris/Veg Blockage > 1/3 of ri	ise at inlet or outlet
Joints & Seams	Good Fair Poor	Crit Unk N/A	Sediment Blockage 1/3 to 3/4 o	of rise at inlet/outlet
Corrosion / Chemical	Good Fair Poor	Crit Unk N/A	Buoyancy or Crushing-Related	Inlet Failure
Cross-Section Deform	Good Fair Poor	Crit Unk N/A	Poor Channel Alignment	
Cracking	Good Fair Poor	Crit Unk N/A	Previous and/or Frequent Over	topping _
Liner / Wall	Good Fair Poor	Crit Unk N/A	Local Outlet Scour	
Mortar and Masonry	Good Fair Poor	Crit Unk (N/A	Performance Problems Re	quiring Level 2 Action
Rot and Marine Borers	Good Fair Poor	Crit Unk N/A	Embankment Piping	
Headwall/Wingwall	Good Fair Poor	Crit Unk N/A	Channel Degradation / Headcu	t (circle one)
Apron	Good Fair Poor	Crit Unk (N/A	Embankment Slope Instability	
Flared End Section	Good (Fair) Poor	Crit Unk N/A	Sediment Blockage > 3/4 Rise	at Inlet or Outlet
Pipe End	Good (Fair) Poor	Crit Unk N/A	Sediment Blockage > 1/3 Rise	Throughout Barrel
Scour Protection	Good Fair (Poor)	Crit Unk N/A	Other Problems Requir	ing Level 2 Action
			No Access / Ends Totally Burie	d / Submerged
			Aggressive Abrasion/Corrosion	_
			Exposed Footing (Open-Botton	
Photos (number):	Inlet Outlet	Roadwa	y (ahead) Roadway (back) V	iew downstream
	View upstream	Others:		
Notes / Recommendation	ons:			



Bravo Environmental 6705 NE 175th St Kenmore, Wa 98028 Tel: 425-424-9000 Fax: 425-424-9002 E-mail:

Inspection Report / Inspection: 1

Date 5/18/2011	P/O. No.	Weather Dry	Surveyor's Name jOEL vASEY	Pipe Segment Reference	Section No.
Certificate No. u-304-1198	Survey Customer	System Owner	Date Cleaned	Pre-Cleaning No Pre-Cleaning	Sewer Category

Street City Loc. details Location Code	346+13 Port Angeles	Flow Control		Upstream MH Dowstream MH Dir. of Survey Section Length	INLET-W OUTLET Downstream 69.92 ft
Purpose of Surve Year Laid Year Rehabilitate		Di	3 .	18 inch Corrugated Metal I	Pipe

Lining Method

Tape / Media No.
Add. Information:

	1:180	Position	Observation			MPEG	Photo	
	INLET-W	0.00 0.00 S1 11.59	from 04 to 08 o	ed Gravel, 30 %of clock, , within 8 in	cross sectional are nches of joint: YES thin 8 inches of joir	, Start	14	
		27.05 31.01 F1	Deposits Settle		cross sectional are nches of joint: YES			
		47.6 <u>6</u>	Infiltration Stair joint: YES	n, from 05 to 07 o'd	clock, within 8 inch	es of 00:14:3	35	
		57.41 S2	a, from 00:16:2 rt	20				
69.92 F2 Deposits Settled Gravel, 5 %of cross sectional area, from 00:18:42 05 to 07 o'clock, , within 8 inches of joint: YES, Finish							12	
69.92 End of Pipe / OUTLET 00:18:49								
	QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
	4100	4623	4	30	34	4	3.33	3.4