CULVERT EVALUATION FIELD FORM (LEVEL A)

Site ID:[1]	1893	Culvert #:[2]	1.1	Date:[3]	3/5/20		Old ID:[4]		
SKCO ID:[5]		Org:[6]	SFEG	Crew:[7]	EM, JG PM		Stream.[8]		

PHOTOS TAKEN:[9] US Culv | US Channel | DS Culv | DS Channel | Road Right | Road Left | Other

ROAD DESCRIPTION

Road Surface Type:[10]	CS	(A)	GR	Other	Road Width (including shoulders):[14]	8.87	meters
Temporary Access Needed?[11]	Yes	(No)	Unknown		Road Fill Depth:[15] (B-D)	1.95	meters
In-Road Utilities:[12]	(Yes)	No	Unknown		US Road Prism Depth:[16] (A-E)	2.245	meters
Overhead Utilities/Crossings:[13]	Yes	(No)	Unknown		DS Road Prism Depth:[17] (B-F)	2.88	meters

Road Notes:[18]

CULVERT DESCRIPTION

Culvert Shape:[19]	(RND)	BOX	ARCH	SQSH ELL Other	Length of Culvert:[28]	18.63	meters
Culvert Material:[20]	PCC	CPC	(CST)	SST SPA MRY	Culvert Span:[29]	2.95	meters
	CAL	SPS	PVC	TMB Other	Rise of Culvert:[30]	USE SAME FOR RISE	meters
Number of Baffles:[21] (If > 0, fill out fishway form)	NA				Culvert Slope:[31] $\left(\frac{\text{US Invert}^E - \text{DS Invert}^F}{\text{Length}^{28}}\right) \times 100$		%
Baffle Type:[22]	Concrete	Metal	Wood		Water Depth:[32]	5 cm 5 cm	meters
	Plastic	Rock	Other		Hydraulic Drop:[33]	17cm 19cm	meters
Apron?[23]	US	DS	(No)		Drop Location:[34]	(Inlet)	Outlet (Interior)
Gate?[24]	US	DS	(No)		**Plunge Pool Description (N/A if no Hydraulic Drop)**		
Fishway?[25] (If yes, fill out fishway form)		YES	(No)		Plunge Pool Length:[35]	2.1	meters
Countersunk?[26]		YES	(No)		Maximum Depth:[36]	0.43	meters
Backwatered?[27]		YES	(No)		Scour Line Width:[37]	2.4	meters

Culvert Notes:[38] (If multiple culverts at site, indicate defining features of each)
SLIGHTLY CRUSHED AT UP STREAM END TOTALLY RUSTED OUT AT BOTTOM, no inverts taken
UPSTREAM DROP 17cm
WATER SURFACE ELEVATION DROP DS 19cm 1M IN CULVERT

CHANNEL DESCRIPTION

Channel Width:[39] 1.17m	Culvert Span ÷ Channel Width:[40] (29÷39)

Channel Notes:[41]

BARRIER STATUS[42] (Circle one below)

Passable[43]	Barrier Reason[44]		Level B Analysis Required[45]		
	Drop > .24 M	(Slope >= 1%)	Backwatered	Slope < 1%	Culvert Width < 75%

Barrier Notes:[46]

CULVERT EVALUATION FIELD FORM (LEVEL A): CALCULATIONS

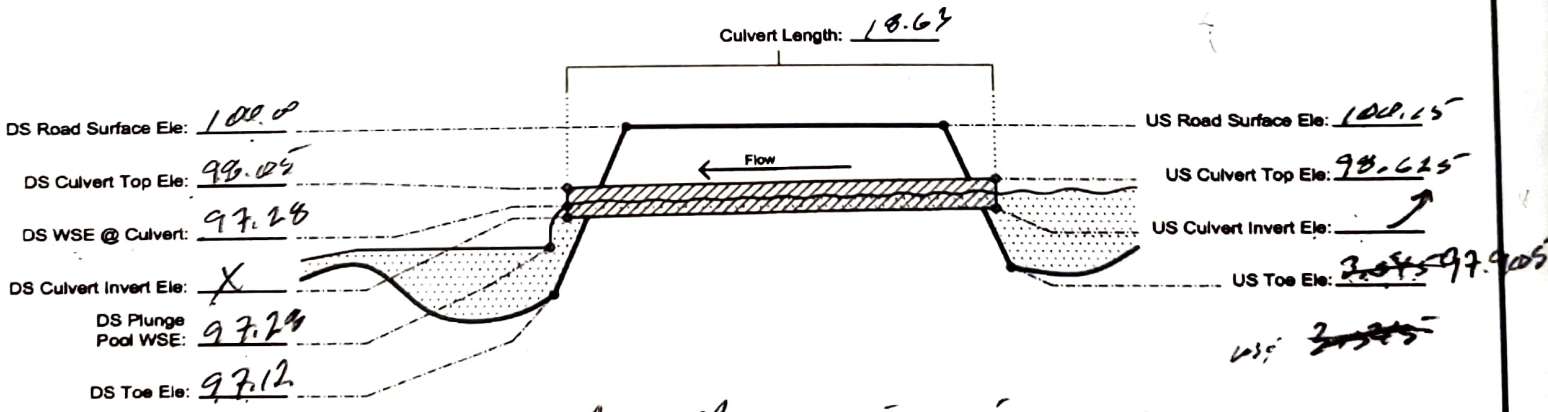
Site ID: 1893 Culvert #: 1.1 Date: 3-5-2024

FS	IH	BS	EL	NOTE
	101.45	1.45	100.000	BENCH MARK
~~3.325~~	"		~~98.125 3.46 3.325~~	~~US WSE 30cm~~
4.46	"		96.99 3.46	INVERT WSE
4.17	"		97.28	DS WSE
4.33	"		97.12	DS TOE
~~1.45~~	"	1.45	100.000	BS
3.545			97.905	US TOE

ENTER FINAL MEASUREMENTS HERE

US Road Shoulder:[A]	1.320 / 100.13	DS Road Shoulder:[B]	1.45 / 100.00	220-100.00 (15m)
US Culvert Top:[C]	2.825 / 98.625	DS Culvert Top:[D]	3.40 / 98.05	
US Culvert Invert:[E]	RUSTED OUT	DS Culvert Invert:[F]	RUSTED OUT	

SCHEMATIC OF CULVERT MEASUREMENTS



Slope = (US Invert—DS Invert) / Culvert Length = (98.625 − 98.05) / 18.63 = ~~0.575~~ 0.03 3.08%

Note: *If culvert is countersunk, use bed elevations to calculate slope*

Hydraulic Drop = DS WSE @ Culvert—DS Plunge Pool WSE = ~~97.28~~ − ~~98.625~~ = ____

*Simpler to use invert in place of toe if this is representative of road prism. If toe of prism elevation is greatly different than invert elevation, use toe.

DS Prism Depth = DS Road Surface — DS Toe 100.00 − 97.12 = 2.88

US Prism Depth = US Road Surface—US Toe = 100.13 − 97.905 = 2.225

19cm - 1cm in SWE Drop