FORM LD 204

STORMWATER INLET COMPUTATIONS

SHEET 1 OF 1

ROUTE Dominion Access Road **PROJECT** Dominion Access Road **DESIGNER:** IJH **DATE** 9/11/2018
CHECKED: KPO **UNITS ENGLISH**

INLET																										Sag Inlets Only					
NUMBER	TYPE	LENGTH (FT; M)	STATION	DRAINAGE AREA (AC; HA)	C	CA	ΣCA	I (IN/HR; mm/HR)	Q INCR. (CFS; CMS)	Qc CARRYOVER (CFS; CMS)	QT GUTTER FLOW (CFS; CMS)	S GUTTER SLOPE (FT/FT; M/M)	Sx CROSS SLOPE (FT/FT; M/M)	T (SPREAD) (FT; M)	W (GUTTER WIDTH) (FT; M)	W/T	Sw (GUTTER SLOPE) (FT/FT; M/M)	Sw/Sx	Eo (App. 9C-8)	a	S'w	Se	COMPUTED LENGTH L_T (FT; M)	L. SPECIFIED LENGTH (FT; M)	L/LT	E (App. 9C-18)	Q INTERCEPTED (CFS; CMS) or d/h	Qb CARRYOVER (CFS; CMS)	Depth at Curb (IN; MM)	Allowable Ponding Depth d (FT; M)	Height of Curb Opening h (FT; M)	d/h	Depth at Inlet (IN; MM)	T SPREAD @ SAG (FT; M)	REMARKS
3-1	DI-3B	6.000	10+75	0.280	0.80	0.224																											
			17.000'RIGHT				0.224	4	0.896	0	0.896	0.0030	0.0200	7.216	1.500	0.2079	0.0833	4.165	0.598	2.64	0.1466	0.1076	5.173	6.000	1.160	1.000	0.896	0.000	2.871						
3-2	DI-3B	6.000	10+75	0.320	0.75	0.24																											
			-17.000'LEFT				0.24	4	0.96	0	0.960	0.0030	0.0200	7.450	1.500	0.2013	0.0833	4.165	0.582	2.64	0.1466	0.1053	5.394	6.000	1.112	1.000	0.960	0.000	2.927						
3-3	DI-3B	6.000	22+00	0.110	0.70	0.077																											
			-1.500'LEFT				0.077	4	0.308	0	0.308	0.0028	0.0208	4.075	1.500	0.3681	0.0833	4.0048	0.856	2.63	0.1458	0.1457	2.698	6.000	2.224	1.000	0.308	0.000	2.142						
3-4	DI-7	3.000	22+25	0.430	0.30	0.129																											Back/Lt.
			-14.000'LEFT				0.129	6.5	0.839	0																							Back/Lt.
				0.430	0.30	0.129																											Ahead/Rt.
							0.129	6.5	0.839	0																							Ahead/Rt.
											1.677	0.001			3.000								3			1.677				2.362		T > 8.0 ft OK - Ditch
3-5	DI-3C	12.000	22+25	0.105	0.70	0.0735																											Back/Lt.
			-1.500'LEFT				0.074	6.5	0.481	0		0.0010	0.0208	6.811	1.500	0.2202	0.0833	4.0048		2.63														Back/Lt.
				0.105	0.70	0.0735																											Ahead/Rt.
							0.074	6.5	0.481	0																							Ahead/Rt.
											0.962	0.0010											12			0.962		1.117	0.156	0.013	12	2.617	4.475	Weir Flow
4-2	DI-7	3.000	31+00	0.100	0.50	0.05																											Back/Lt.
			40.000'RIGHT				0.05	6.5	0.325	0																							Back/Lt.
				0.040	0.35	0.014																											Ahead/Rt.
							0.014	6.5	0.091	0																							Ahead/Rt.
											0.416	0.0100			3.000								3			0.416				0.933		T > 8.0 ft - OK - Ditch
4-5	DI-7	3.000	32+18	0.060	0.90	0.054																											Back/Lt.
			-12.000'LEFT				0.054	6.5	0.351	0																							Back/Lt.
				0.060	0.90	0.054																											Ahead/Rt.
							0.054	6.5	0.351	0																							Ahead/Rt.
											0.702	0.001			3.330								3			0.702				1.322		Weir Flow

INLETSOFT BY ENSOFTEC

DATE: 9/11/2018

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COMMONWEALTH OF VIRGINIA
KEVIN O'MEARA
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6/30/2019
PROFESSIONAL ENGINEER

REVISION DESCRIPTION

DATE

DATE 6/30/2019
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SCALE N.T.S.

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EAST RAMP 3 ACCESS ROAD

HENRICO COUNTY - VIRGINIA

STORMWATER INLET CALCULATIONS

JOB NO. 40930.001

SHEET NO. 02H(02)

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