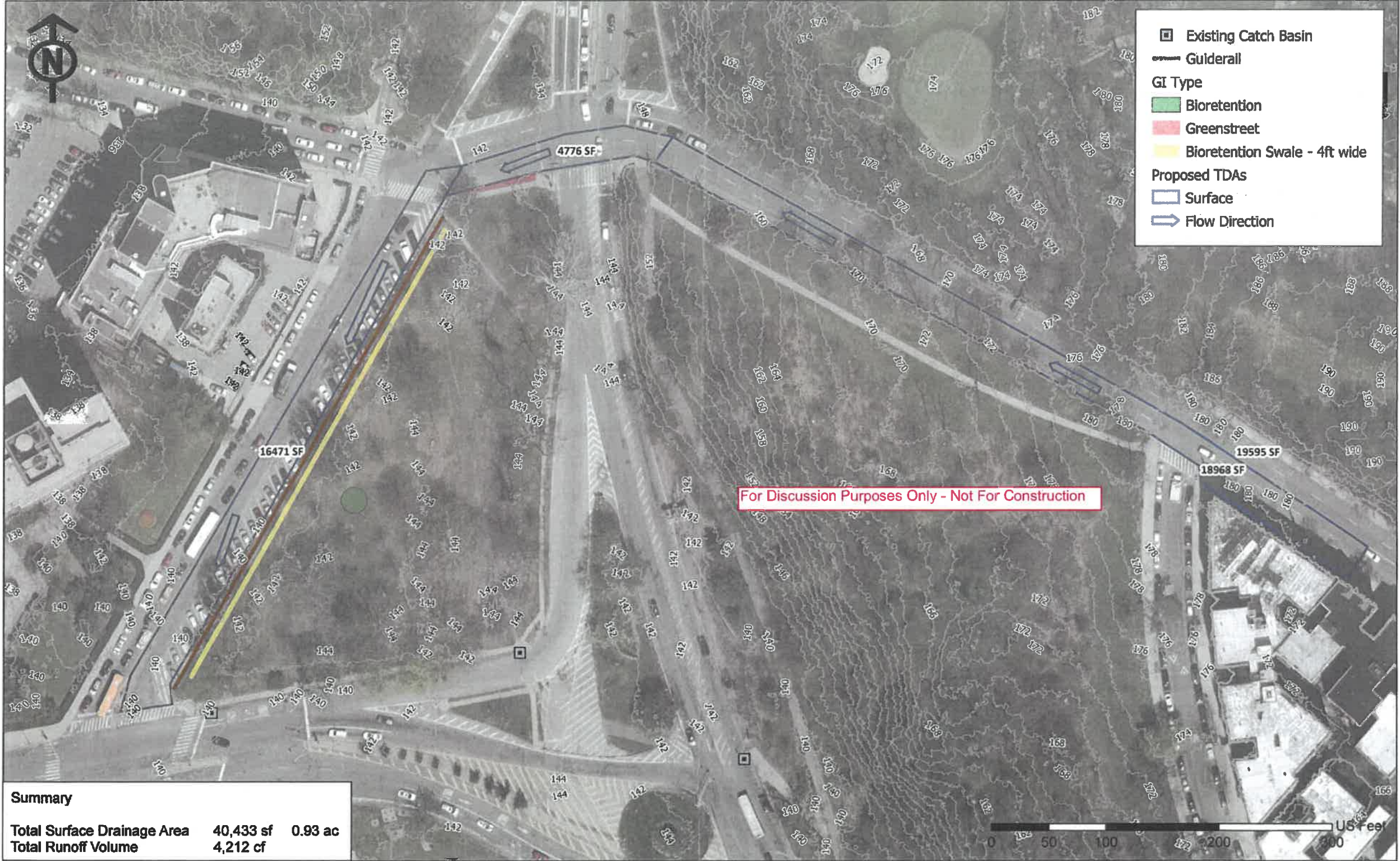


Dickenson Ave/Sedgewick Ave GI Concepts



Dickenson Ave/Sedgewick Ave GI Concepts



Dickenson Ave/Sedgewick Ave GI Concepts



Dickenson Avenue - Material and Green Infrastructure Alternatives

For Discussion Purposes Only - Not For Construction

Guardrail Alternatives



Wooden Guardrail—Low

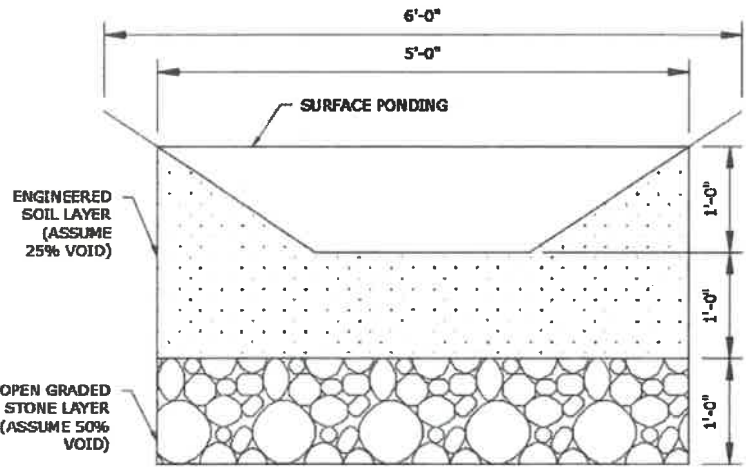


Wooden Guardrail—High

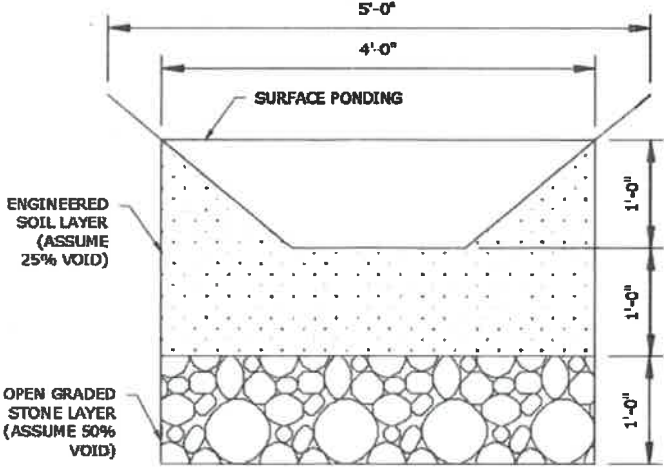


Metal Guardrail

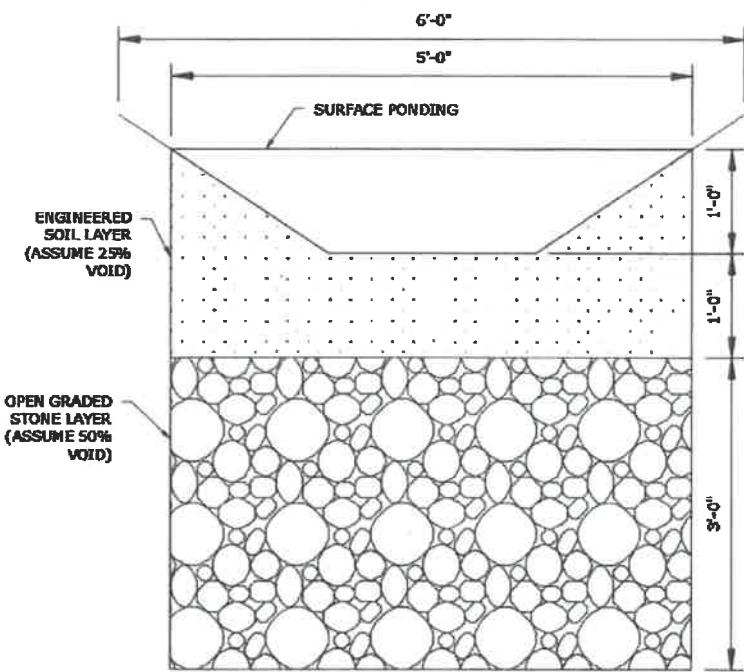
Green Infrastructure Alternatives



6' Bioretention Swale



4' Bioretention Swale



Stormwater Greenstreet

TDA #	Area (sf)	Runoff Volume (cf)
1	18,968	1,976
2	4,994	520
3	16,471	1,716
TOTAL	40,433	4,212
TOTAL (ac)	0.93	

For Discussion Purposes Only - Not For Construction

Green Infrastructure - 6ft swale alternative

Type	Length	Width	Area (sf)	Ponding Volume (0.7 ft) (cf)	Engineered Soil (cf) (1.3 ft deep, 25% Void)	Stone (cf) (50% Void)	Total Storage Volume (cf)	Notes
Bioretention Swale	450	5	2250	1575	731.25	1125	3431	Assume 1 ft Stone Depth
Greenstreet	70	5	350	245	113.75	525	884	Assume 3 ft Stone Depth
						TOTAL (cf)	4315	

Green Infrastructure - 4ft swale alternative

Type	Length	Width	Area (sf)	Ponding Volume (0.7 ft) (cf)	Engineered Soil (cf) (1.3 ft deep, 25% Void)	Stone (cf) (50% Void)	Total Storage Volume (cf)	Notes
Bioretention Swale	450	4	1800	1260	585	900	2745	Assume 1 ft Stone Depth
Bioretention			400	280	130	200	610	Assume 1 ft Stone Depth
Greenstreet	70	5	350	245	113.75	525	884	Assume 3 ft Stone Depth
						TOTAL (cf)	4239	

TDA #	Area (sf)	Runoff Volume (cf)
1	18,968	1,976
2	4,994	520
3	16,471	1,716
4	19,595	2,041
TOTAL	60,028	6,253
TOTAL (ac)	1.38	

Green Infrastructure - 6ft swale alternative

Type	Length (ft)	Width (ft)	Area (sf)	Ponding Volume (0.7 ft) (cf)	Engineered Soil (cf) (1.3 ft deep, 25% Void)	Stone (cf) (50% Void)	Total Storage Volume (cf)	Notes
Bioretention Swale	450	5	2250	1575	731.25	1125	3431	Assume 1 ft Stone Depth
Bioretention			1300	910	422.5	650	1982.5	Assume 1 ft Stone Depth
Stormwater Greenstreet	70	5	350	245	113.75	525	884	Assume 3 ft Stone Depth
						TOTAL (cf)	6298	

Green Infrastructure - 4ft swale alternative

Type	Length (ft)	Width (ft)	Area (sf)	Ponding Volume (0.7 ft) (cf)	Engineered Soil (cf) (1.3 ft deep, 25% Void)	Stone (cf) (50% Void)	Total Storage Volume (cf)	Notes
Bioretention Swale	450	4	1800	1260	585	900	2745	Assume 1 ft Stone Depth
Bioretention			1800	1260	585	900	2745	Assume 1 ft Stone Depth
Stormwater Greenstreet	70	5	350	245	113.75	525	884	Assume 3 ft Stone Depth
						TOTAL (cf)	6374	