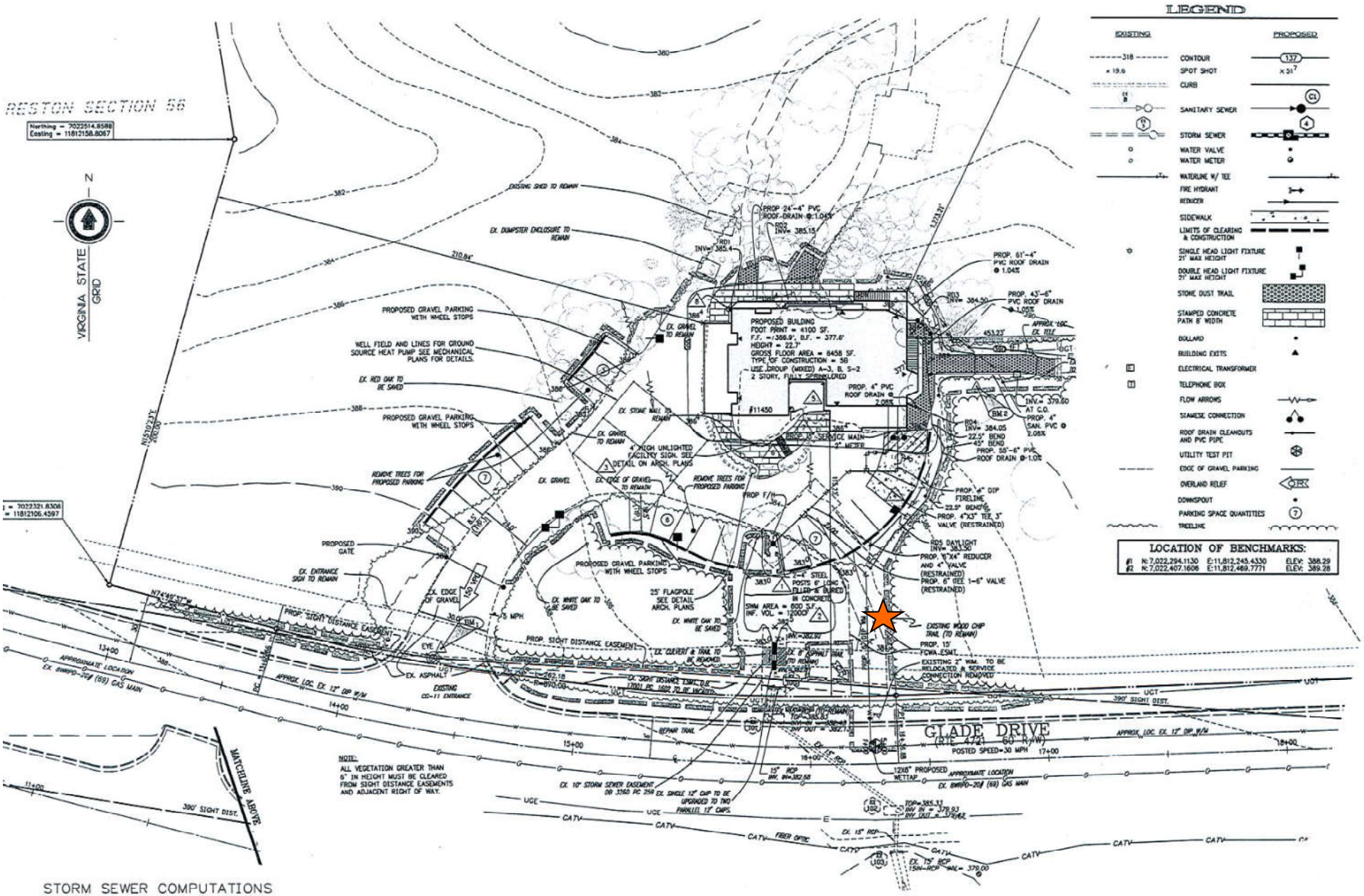
Walker Nature Center Site Plan: Bike Rack Location = ★ **(16' X 8' area flagged at existing woodchip path)**



STORM SEWER COMPUTATIONS

	ACCUM. CA	SUB-AREA RUNOFF CFS	TOTAL RUNOFF CFS	LENGTH IN FEET	SLOPE %	TYPE OF PIPE	MANNING'S 'N'	DIAMETER OF PIPE (IN)	VEL. FULL FT/SEC	CAPACITY	Q/QCAP	VELOCITY FACTOR	PROD. VEL. FT/SEC	MISC. LOSSES	INV. ELEV. UPPER END (FT)	INV. ELEV. LOWER END (FT)	COMMENTS
6	0.006	0.05	0.05	24.0	1.04%	PVC	0.013	4	2.23	0.19	0.24	0.83	1.85		385.40	385.15	
8	0.025	0.14	0.18	61.0	1.07%	PVC	0.013	4	2.26	0.20	0.93	1.14	2.57		385.15	384.50	
0	0.025	0.00	0.18	43.0	1.05%	PVC	0.013	6	2.93	0.58	0.32	0.89	2.61		384.50	384.05	
9	0.034	0.07	0.25	55.0	1.00%	PVC	0.013	6	2.95	0.55	0.46	0.96	2.83		384.05	383.50	

NOTES

1. GRASSED FILTER STRIP LEVEL SPREADER
2. SWM FACILITY INFILTRATION / BIORETENTION AREA 600 SF. SELECTIVE CLEARING / EXCAVATION SEE DETAIL PG. 10
3. GRAVEL PARKING AREA TO BE MINIMUM 8" THICKNESS
4. HANDICAP PARKING SPACE, ACCESSIBLE AREA, & ADJACENT PARKING SPACE ARE TO BE HARD
5. DOWNSPOUT SWALE SEE DETAIL PG. 2
6. TRENCH GRATE SEE DETAIL PG. 2
7. RAIN BARREL W/ OVERFLOW HOSE TO DISCHARGE TO SWALE
8. RAIN BARREL W/ OVERFLOW HOSE TO DISCHARGE TO 4" ROOF DRAIN

GRAPHIC SCALE
20 0 10 20 40
(in feet)
1 inch = 20 ft.