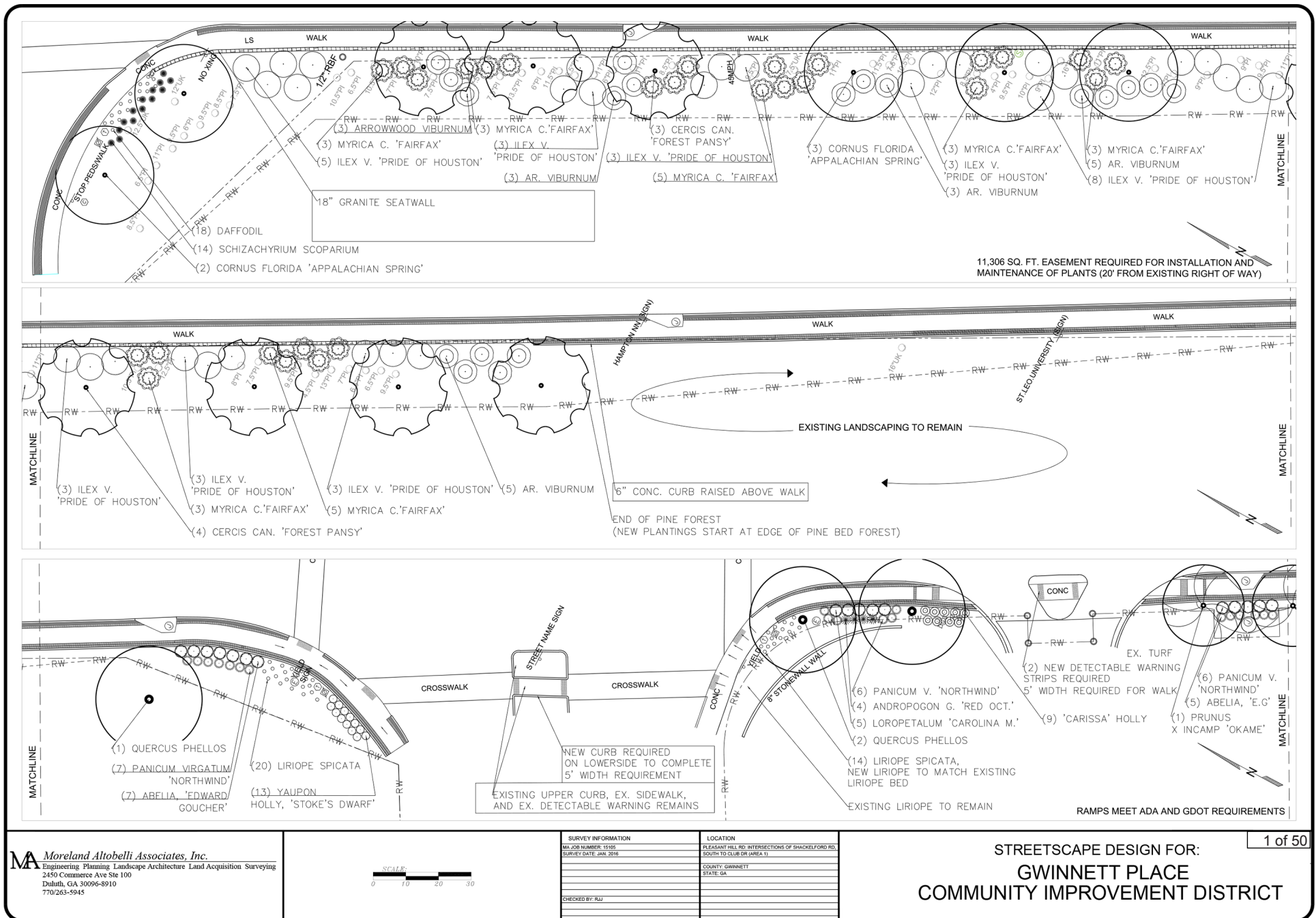




- I created all planting plans, construction documents, and ES & PC plans for a \$1.1 million streetscape improvement project
- the improvement includes a new, 8' walk with decorative banding and soldier courses, and a variety of trees and shrubs



- phase 1 of erosion control is shown for a portion of the street project
- this project would apply for an NPDES 'Permit for Infrastructure Project' instead of the standard, GAR 100001 permit

Streetscape Planting Scheme



- planting scheme 1 (spring): dormant, perennial grass is hidden behind a row of evergreen abelia through winter and spring

Streetscape Planting Scheme



- planting scheme 1 (summer): switchgrass emerges and adds a new layer above the shrub line, framed by leafed out cherry trees

Streetscape Planting Scheme



- planting scheme 1 (fall): autumn colors of the switchgrass and deciduous trees complement each other

Streetscape Planting Scheme



- planting scheme 2 (spring): dormant, perennial grass hides behind a row of evergreen loropetalum through winter and spring

Streetscape Planting Scheme



- planting scheme 2 (summer): big bluestem emerges in the summer to add a new layer above the evergreen loropetalum

Streetscape Planting Scheme



- planting scheme 2 (fall): autumn color of big bluestem grass and the deciduous trees complement each other

Cost Estimates for Gwinnett Place CID
Sheet 1 of 2
COST ESTIMATE FOR STREETScape

Zone 1	Quant.	Unit	Cost	
New Concrete Linear Feet (see sq. ft. below for cost)	2764	LF	\$ -	
New Concrete Square Footage (5' width)	13820	SF	\$ 34,550.00	@ \$2.50/SF
New Brickwork Linear Feet (see sq. ft. below for cost)	3,007	LF	\$ -	
New Brickwork Square Footage (3, 8" wide soldier courses)	6044.07	SF	\$ 60,440.70	@ \$10.00/SF
Planting curb Linear Feet	2410	LF	\$ 33,740.00	@ \$14.00/LF
New handicapped ramps	34	EA	\$ 20,400.00	@ \$600.00/EA
Conduit (lf) and approx. cost	2963	LF	\$ 10,192.72	@ \$3.44/ LF
New grey, conc. Banding linear feet	3,007	SF	\$ 5,262.25	@ \$2.50/SF
Benches	0	EA	\$ -	@ \$1950/EA
Trash cans	0	EA	\$ -	@ \$1650/EA
Traffic control	1	EA	\$ 1,250.00	@ \$1250/ EA
Mulch - hay for DS1 Erosion Control	16	TN	\$ 5,600.00	@ \$350/TN
Construct and remove inlet sediment trap	12	EA	\$ 1,260.00	@ \$105/EA
Silt fencing - TYPE C	2,144	LF	\$ 4,502.40	@ \$2.10/LF
Maintenance of silt fencing	2,144	LF	\$ 1,608.00	@ \$.75/LF
Plantings incl. warranty		LS	\$ 31,824.50	LS
SY Fine grading	2,824	SY	\$ 3,247.60	@ \$1.15/SY
Zone 1 Subtotal			\$ 213,878.17	
+15% contingency			\$ 245,959.90	

Cost Estimates for Gwinnett Place CID

Zone 2			Cost	
New Concrete Linear Feet (see sq. ft. below for cost)	3522	LF	\$ -	
New Concrete Square Footage (5' width)	17610	SF	\$ 44,025.00	@ \$2.50/SF
New Brickwork Linear Feet (see sq. ft. below for cost)	4,023	LF	\$ -	
New Brickwork Square Footage (3, 8" wide soldier courses)	5974.23	SF	\$ 59,742.30	@ \$10.00/SF
Planting curb Linear Feet	2310	LF	\$ 32,340.00	@ \$14.00/LF
New handicapped ramps	29	EA	\$ 17,400.00	@ \$600.00/EA
Conduit (lf) and approx. cost	4216	LF	\$ 14,503.04	@ \$3.44/ LF
New grey, conc. Banding linear feet	4,023	SF	\$ 7,040.25	@ \$2.50/SF
Benches	2	EA	\$ 3,900.00	@ \$1950/EA
Trash cans	1	EA	\$ 1,650.00	@ \$1650/EA
Traffic control	1	EA	\$ 1,250.00	@ \$1250/ EA
Mulch - hay for DS1 Erosion Control	34	TN	\$ 11,900.00	@ \$350/TN
Construct and remove inlet sediment trap	23	EA	\$ 2,415.00	@ \$105/EA
Silt fencing - TYPE C	3,484	LF	\$ 7,316.40	@ \$2.10/LF
Maintenance of silt fencing	3,484	LF	\$ 2,613.00	@ \$.75/LF
Plantings incl. warranty		LS	\$ 27,914.00	LS
SY Fine grading	5,950	SY	\$ 6,842.50	@ \$1.15/SY
Zone 2 Subtotal			\$ 240,851.49	
+15% contingency			\$ 276,979.21	

COST ESTIMATE FOR STREETScape

Zone 3	Quant.	Unit	Cost	
New Concrete Linear Feet (see sq. ft. below for cost)	3177	LF	\$ -	
New Concrete Square Footage (5' width)	15885	SF	\$ 39,712.50	@ \$2.50/SF
New Brickwork Linear Feet (see sq. ft. below for cost)	3,177	LF	\$ -	
New Brickwork Square Footage (3, 8" wide soldier courses)	5948.77	SF	\$ 59,487.70	@ \$10.00/SF
Planting curb Linear Feet	2735	LF	\$ 38,290.00	@ \$14.00/LF
New handicapped ramps	40	EA	\$ 24,000.00	@ \$600.00/EA
Conduit (lf) and approx. cost	3545	LF	\$ 12,194.80	@ \$3.44/ EA
New grey, conc. Banding linear feet	3,177	SF	\$ 5,559.75	@ \$2.50/SF
Benches	3	EA	\$ 5,850.00	@ \$1950/EA
Trash cans	2	EA	\$ 3,300.00	@ \$1650/EA
Traffic control	1	EA	\$ 1,250.00	@ \$1250/ EA
Mulch - hay for DS1 Erosion Control	40	TN	\$ 14,000.00	@ \$350/TN
Construct and remove inlet sediment trap	11	EA	\$ 1,155.00	@ \$105/EA
Silt fencing - TYPE C	3,321	LF	\$ 6,974.10	@ \$2.10/LF
Maintenance of silt fencing	3,321	LF	\$ 2,490.75	@ \$.75/LF
Plantings incl. warranty		LS	\$ 19,359.00	LS
3294 SY Fine grading	7,121	SY	\$ 8,189.15	@ \$1.15/SY
Zone 3 Subtotal			\$ 241,812.75	
+15% contingency			\$ 278,084.66	

Zone 4			Cost	
New Concrete Linear Feet (see sq. ft. below for cost)	3362	LF	\$ -	
New Concrete Square Footage (5' width)	16810	SF	\$ 42,025.00	@ \$2.50/SF
New Brickwork Linear Feet (see sq. ft. below for cost)	5,907	LF	\$ -	
New Brickwork Square Footage (3, 8" wide soldier courses)	4808	SF	\$ 48,080.00	@ \$10.00/SF
Planting curb Linear Feet	329	LF	\$ 4,606.00	@ \$14.00/LF
New handicapped ramps	35	EA	\$ 21,000.00	@ \$600.00/EA
Conduit (lf) and approx. cost	6736	LF	\$ 23,171.84	@ \$3.44/ LF
New grey, conc. Banding in linear feet	5,229	SF	\$ 9,150.75	@ \$2.50/SF
Benches	4	EA	\$ 7,800.00	@ \$1950/EA
Trash cans	3	EA	\$ 4,950.00	@ \$1650/EA
Traffic control	1	EA	\$ 1,250.00	@ \$1250/ EA
Mulch - hay for DS1 Erosion Control	49	TN	\$ 17,150.00	@ \$350/TN
Construct and remove inlet sediment trap	26	EA	\$ 2,730.00	@ \$105/EA
Silt fencing - TYPE C	6,661	LF	\$ 13,988.10	@ \$2.10/LF
Maintenance of silt fencing	7,024	LF	\$ 5,268.00	@ \$.75/LF
Plantings incl. warranty		LS	\$ 15,057.00	LS
Fine grading	8,703	SY	\$ 7,174.85	@ \$1.15/SY
Zone 4 Subtotal			\$ 223,401.54	
+15% contingency			\$ 256,911.77	

New large, bricked plaza intersections				
Square footage	5212	SF	\$ 52,120.00	@ \$10.00/SF
Total Project Estimated Cost			\$ 1,110,055.54	