Town of Plymouth Update

Downtown Streetscape Improvements

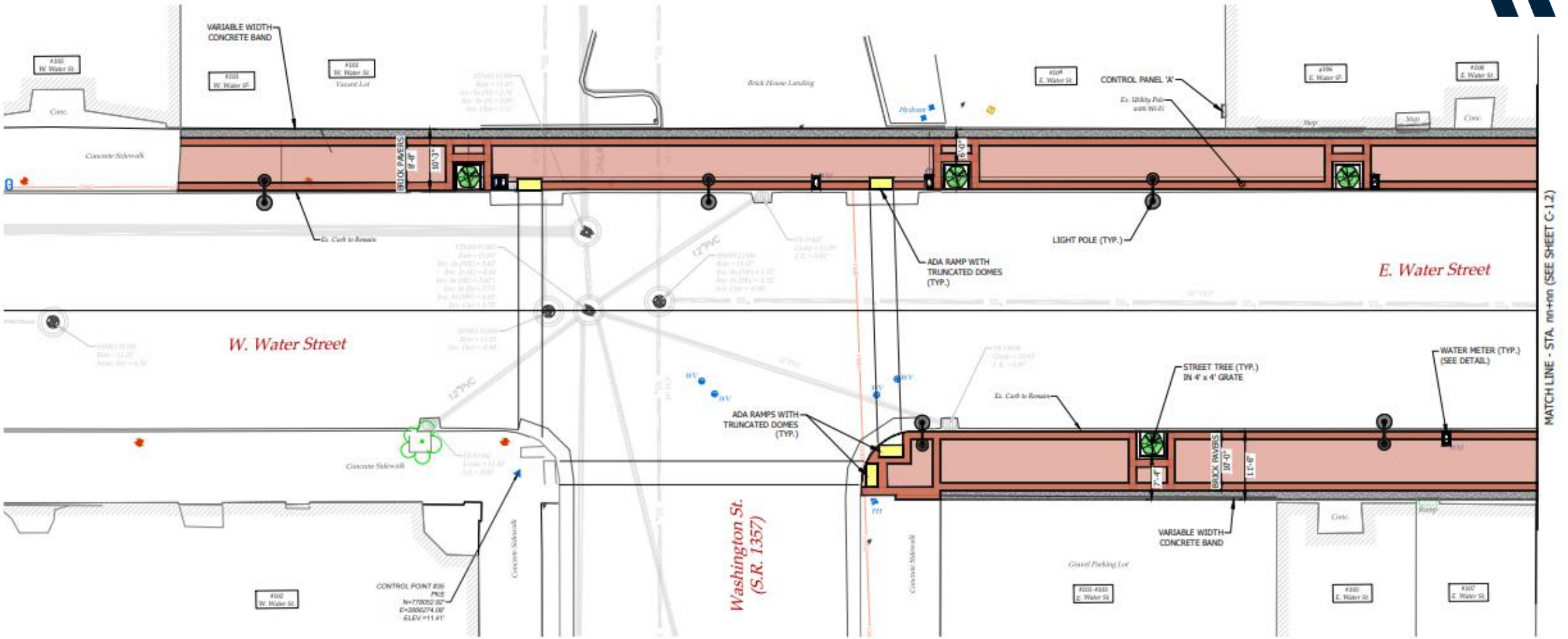
Lester Lowe, PE – The Wooten Company

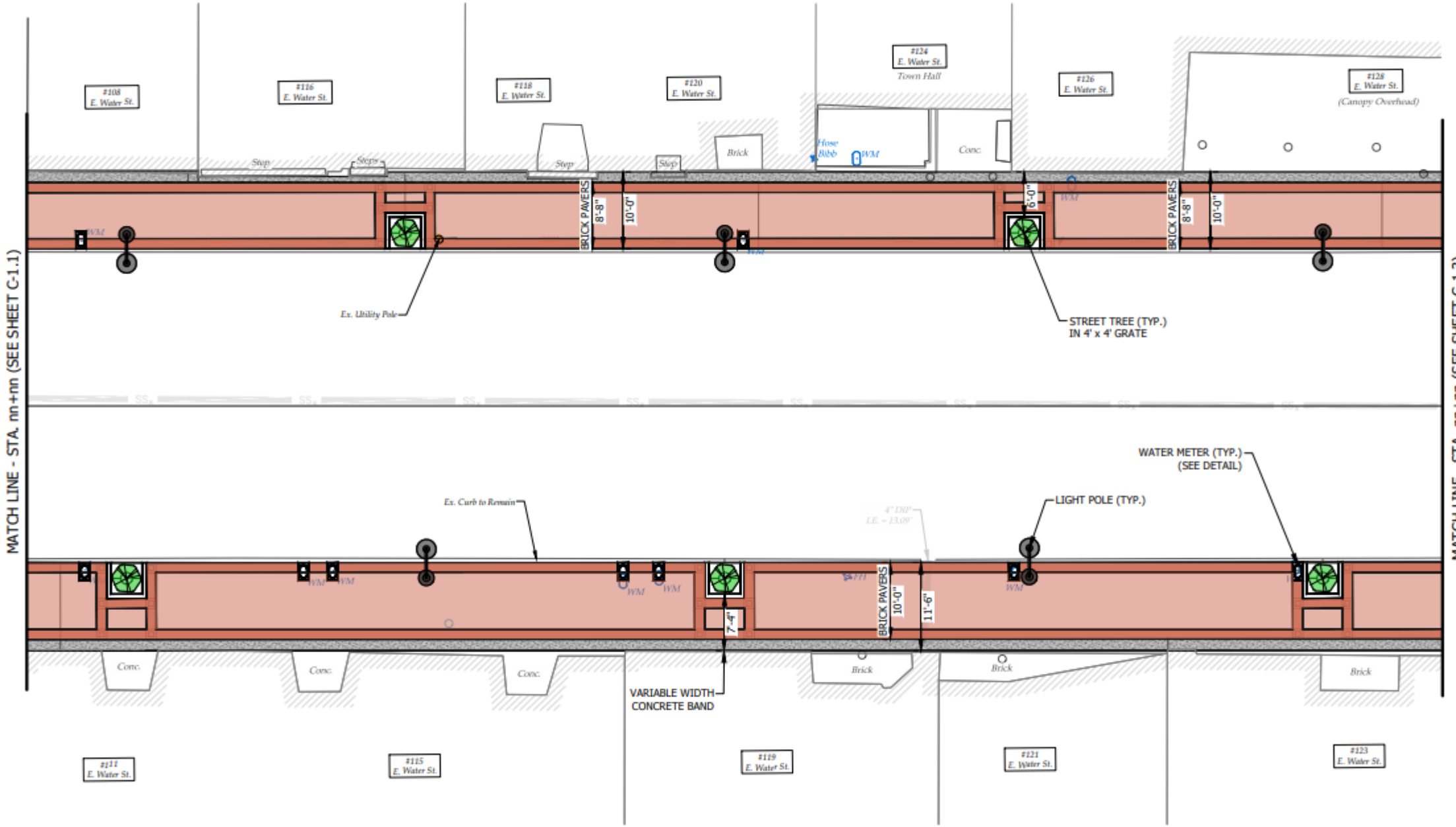
Plymouth, North Carolina

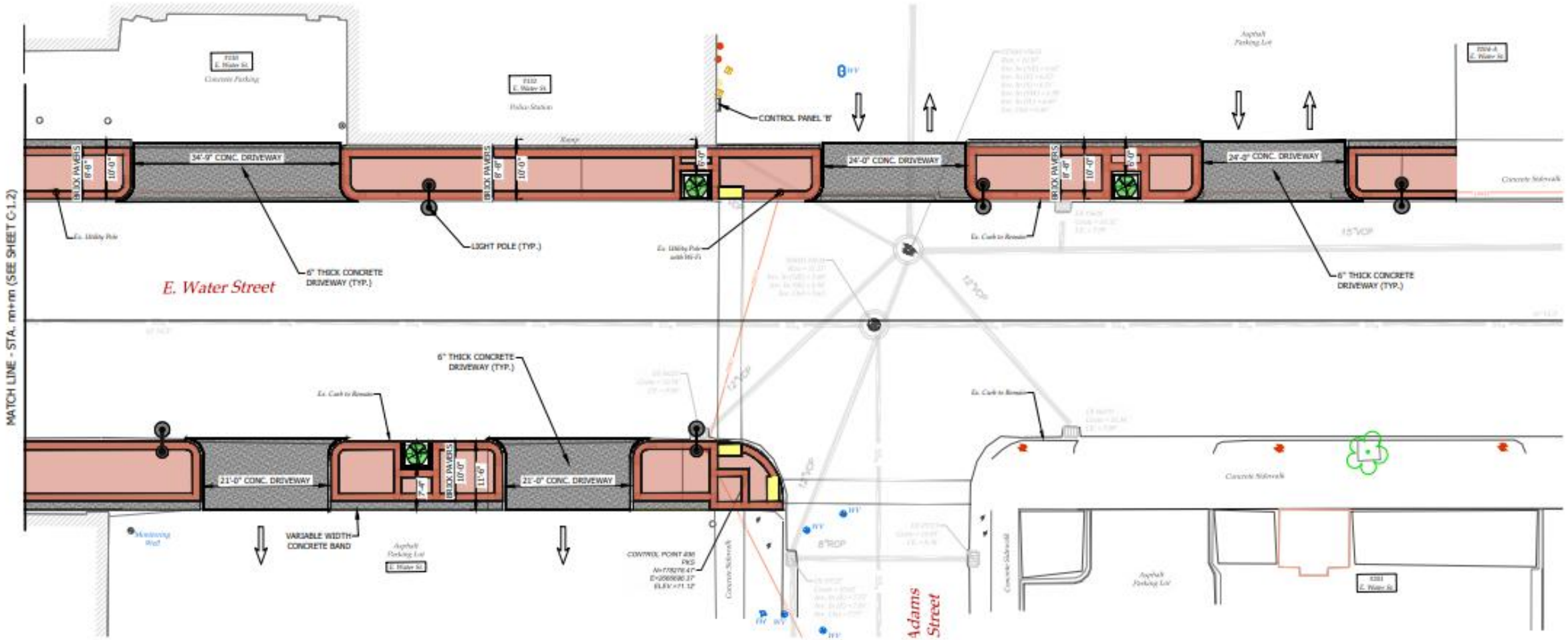
September 2025

Wooten

Water St Streetscape- Phase 1
Legend
Water St Phase 1
E Water St
E Water St
E Water St
Washington St
Adams St
Google Earth
Image © 2025 Airbus
300 ft
N

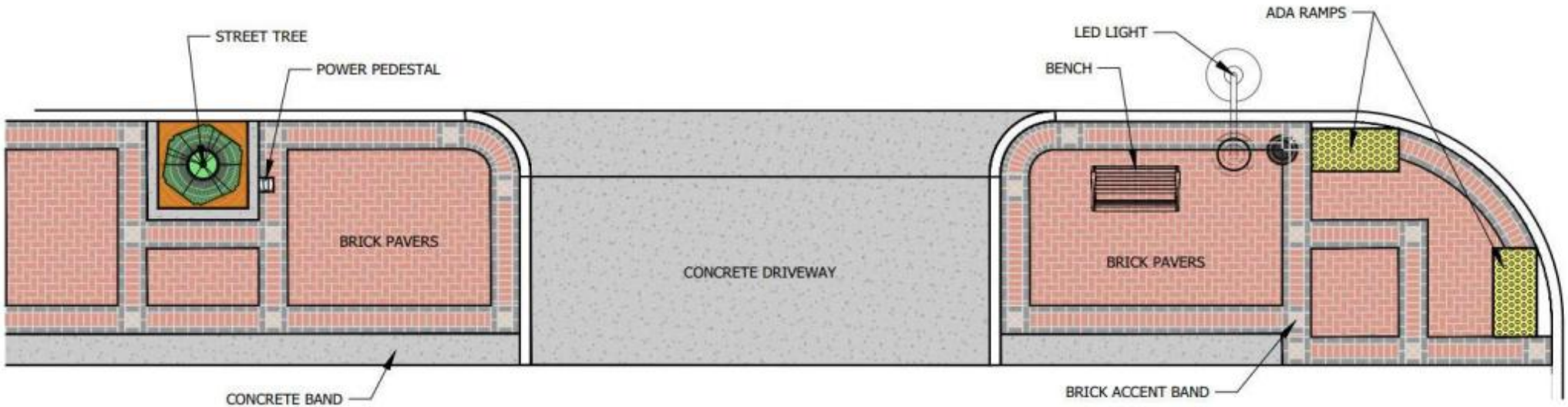

VARIABLE WIDTH CONCRETE BAND
CONTROL PANEL 'A'
BRICK PAVERS
8'-8"
10'-3"
16'-0"
LIGHT POLE (TYP.)
ADA RAMP WITH TRUNCATED DOMES (TYP.)
E. Water Street
W. Water Street
ADA RAMPS WITH TRUNCATED DOMES (TYP.)
STREET TREE (TYP.) IN 4' x 4' GRATE
WATER METER (TYP.) (SEE DETAIL)
BRICK PAVERS
10'-0"
9'-11"
7'-4"
VARIABLE WIDTH CONCRETE BAND
Washington St. (S.R. 1357)
CONTROL POINT #36
PKS
N=778052.92'
E=2880274.08'
ELEV.=11.41'
MATCH LINE - STA. nn+nn (SEE SHEET C-1.2)


#108 E. Water St.
#116 E. Water St.
#118 E. Water St.
#120 E. Water St.
#124 E. Water St.
Town Hall
#126 E. Water St.
#128 E. Water St.
(Canopy Overhead)
Step
Steps
Brick
Hose Bibb
WM
Conc.
BRICK PAVERS
8'-8"
10'-0"
6'-0"
Ex. Utility Pole
STREET TREE (TYP.)
IN 4' x 4' GRATE
MATCH LINE - STA. nn+nn (SEE SHEET C-1.1)
MATCH LINE - STA. nn+nn (SEE SHEET C-1.3)
WATER METER (TYP.)
(SEE DETAIL)
Ex. Curb to Remain
LIGHT POLE (TYP.)
7'-4"
11'-6"
VARIABLE WIDTH
CONCRETE BAND
#111 E. Water St.
#115 E. Water St.
#119 E. Water St.
#121 E. Water St.
#123 E. Water St.


MATCH LINE - STA. m+m (SEE SHEET C-1.2)
E. Water Street
Adams Street
CONTROL PANEL 'B'
34'-9" CONC. DRIVEWAY
24'-0" CONC. DRIVEWAY
21'-0" CONC. DRIVEWAY
BRICK PAVERS
LIGHT POLE (TYP.)
6" THICK CONCRETE DRIVEWAY (TYP.)
VARIABLE WIDTH CONCRETE BAND
Concrete Sidewalk
Asphalt Parking Lot

Downtown Streetscape Concepts for Water Street

2025 Sidewalk Improvements Project



Project Overview

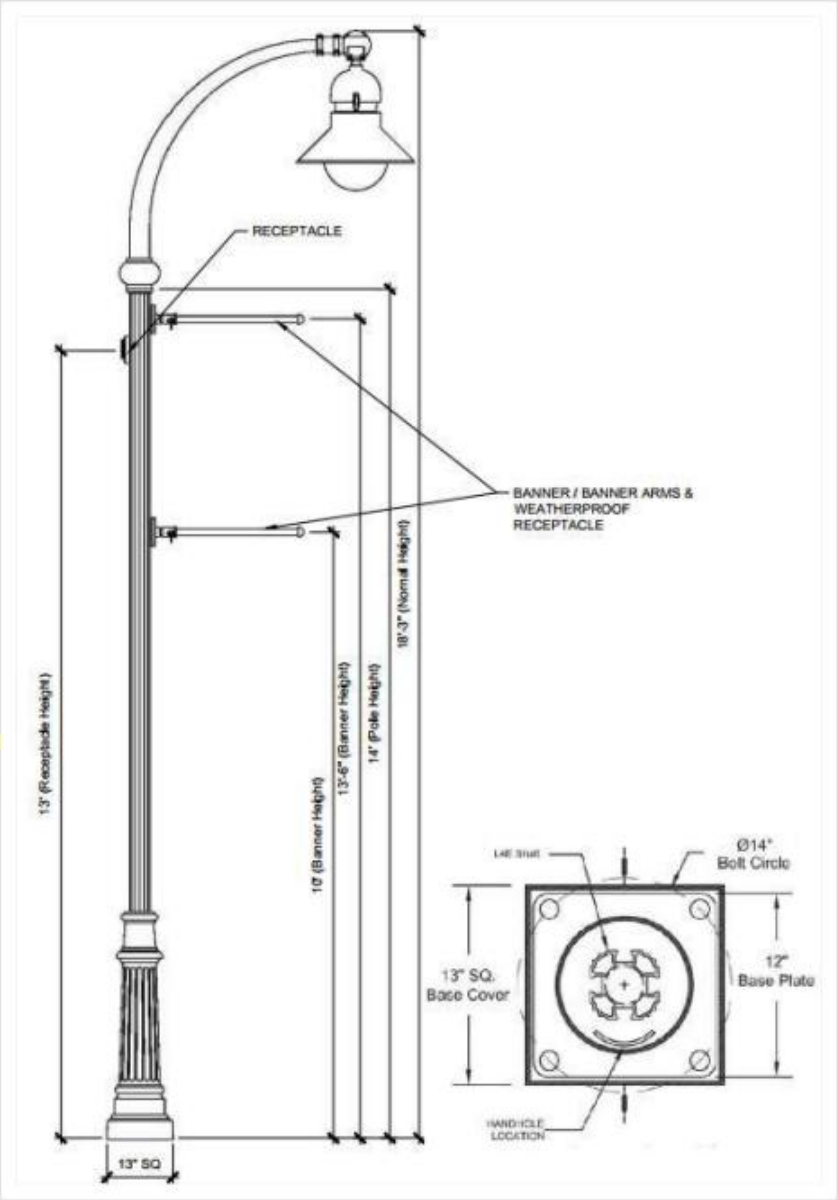
Examples of components are depicted within this document, representing potential options for the proposed improvements. These include the following :

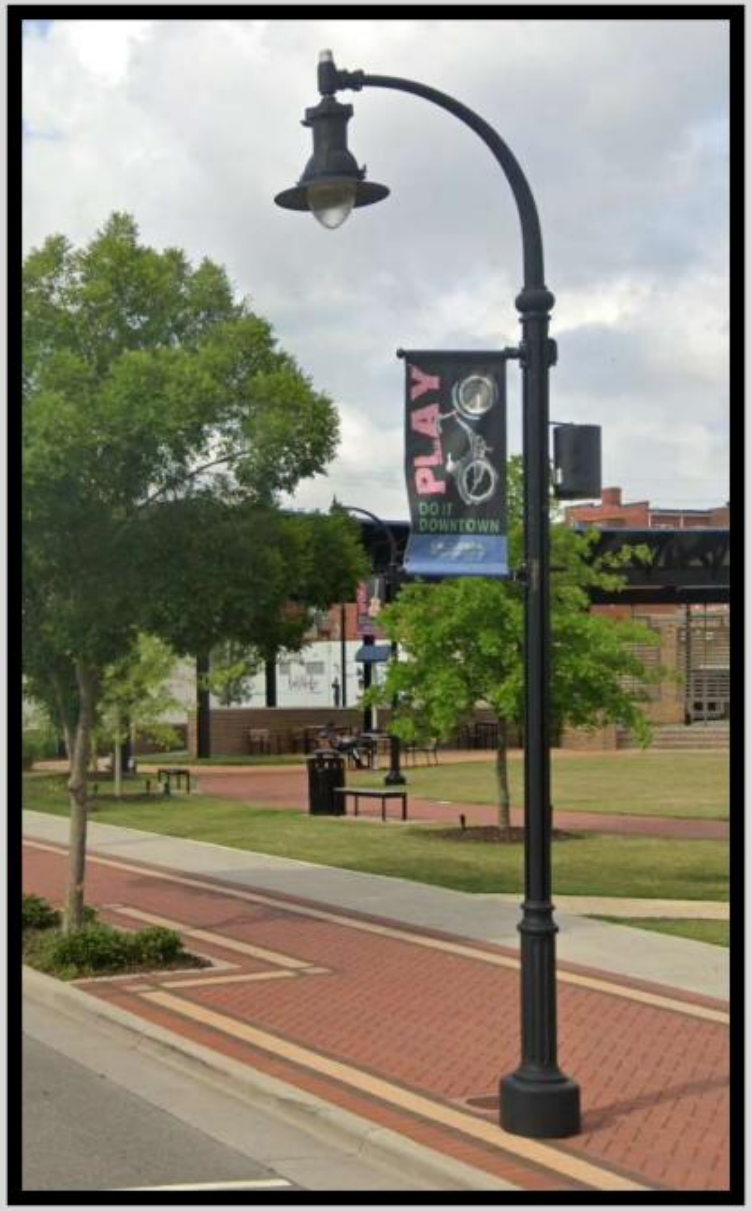
- LED Lighting Fixtures with Banner Arms
- Ornamental Light Pole Bases
- Decorative Brick Paver patterns
- Street Trees
- Trees Grates with Integrated Lighting
- Trash Receptacles
- Benches
- Electrical Power Pedestals

All components to comply with municipal standards for durability, energy efficiency, and maintainability in public spaces.

Tear Drop LED Pendant Style

Option 1

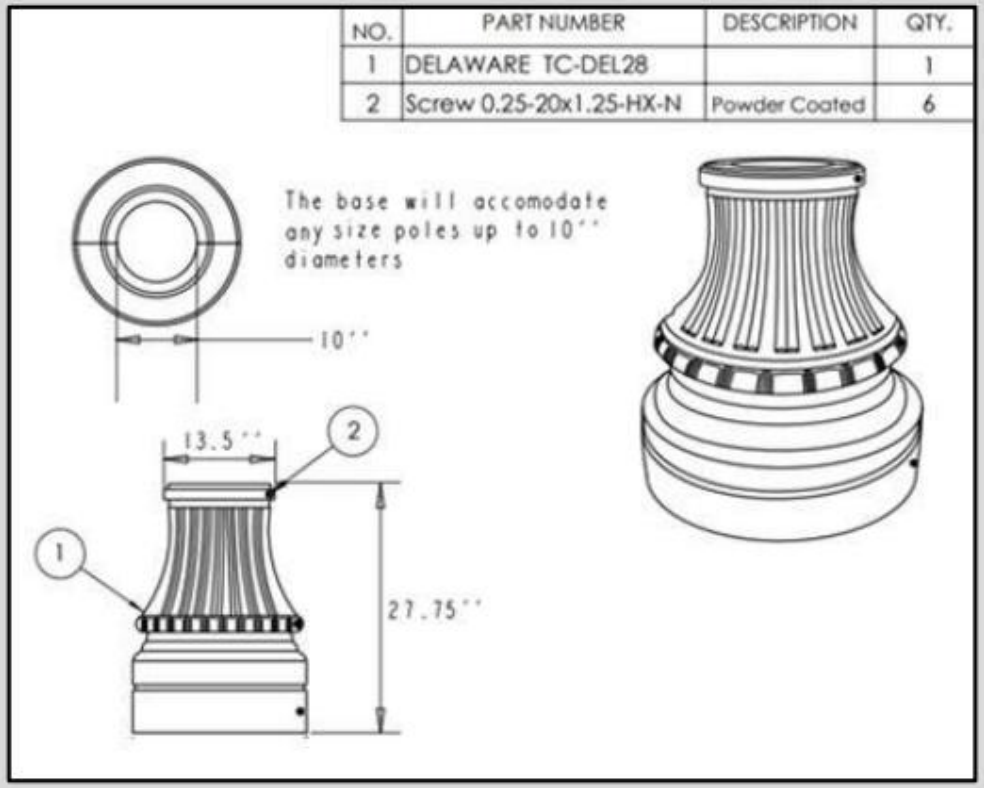




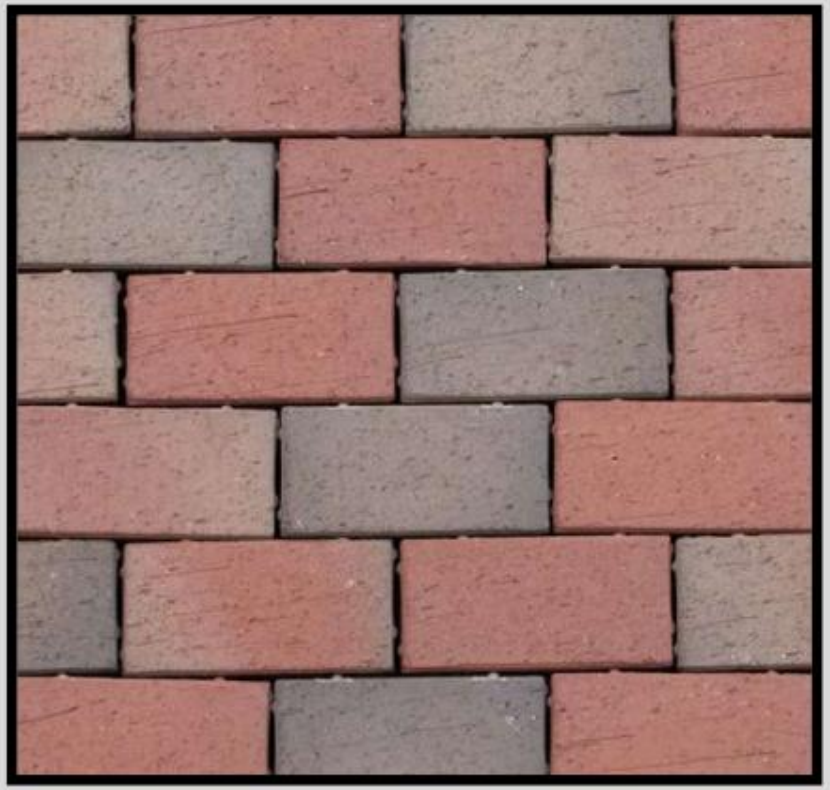
LED Post Top Lantern

Option 2

NO.	PART NUMBER	DESCRIPTION	QTY.
1	DELAWARE TC-DEL28		1
2	Screw 0.25-20x1.25-HX-N	Powder Coated	6



Delaware Pole Base



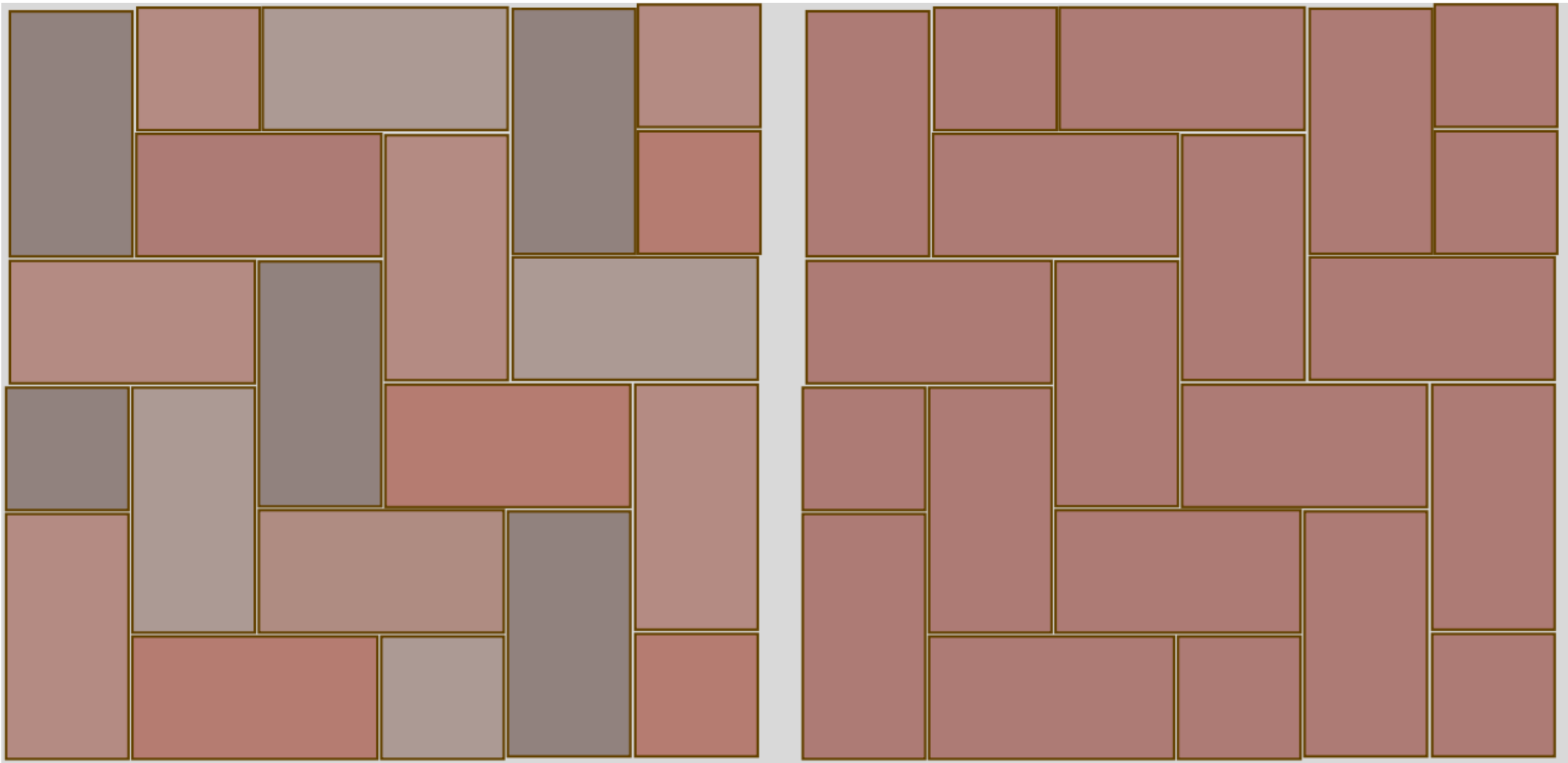
NOTE : Colors shown may vary and are not necessarily precise or accurately representative of actual brick or mortar color. Selection should always be based on a sample.

4” x 8” English Edge Full Range Brick Pavers

(Smooth Surface & Beveled Edge)

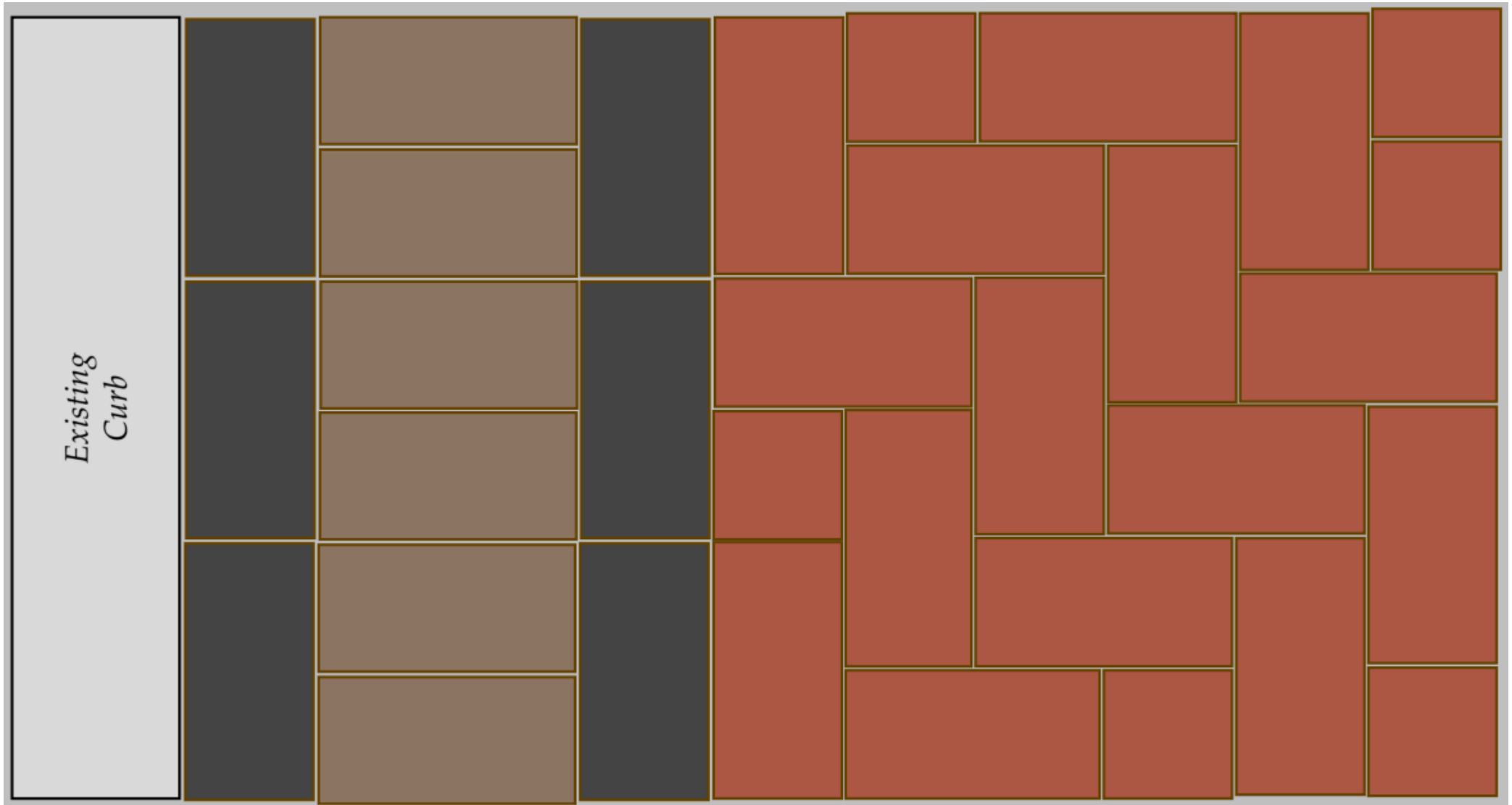
Bear Towne Market

(Stamped Pavers for Color Reference)



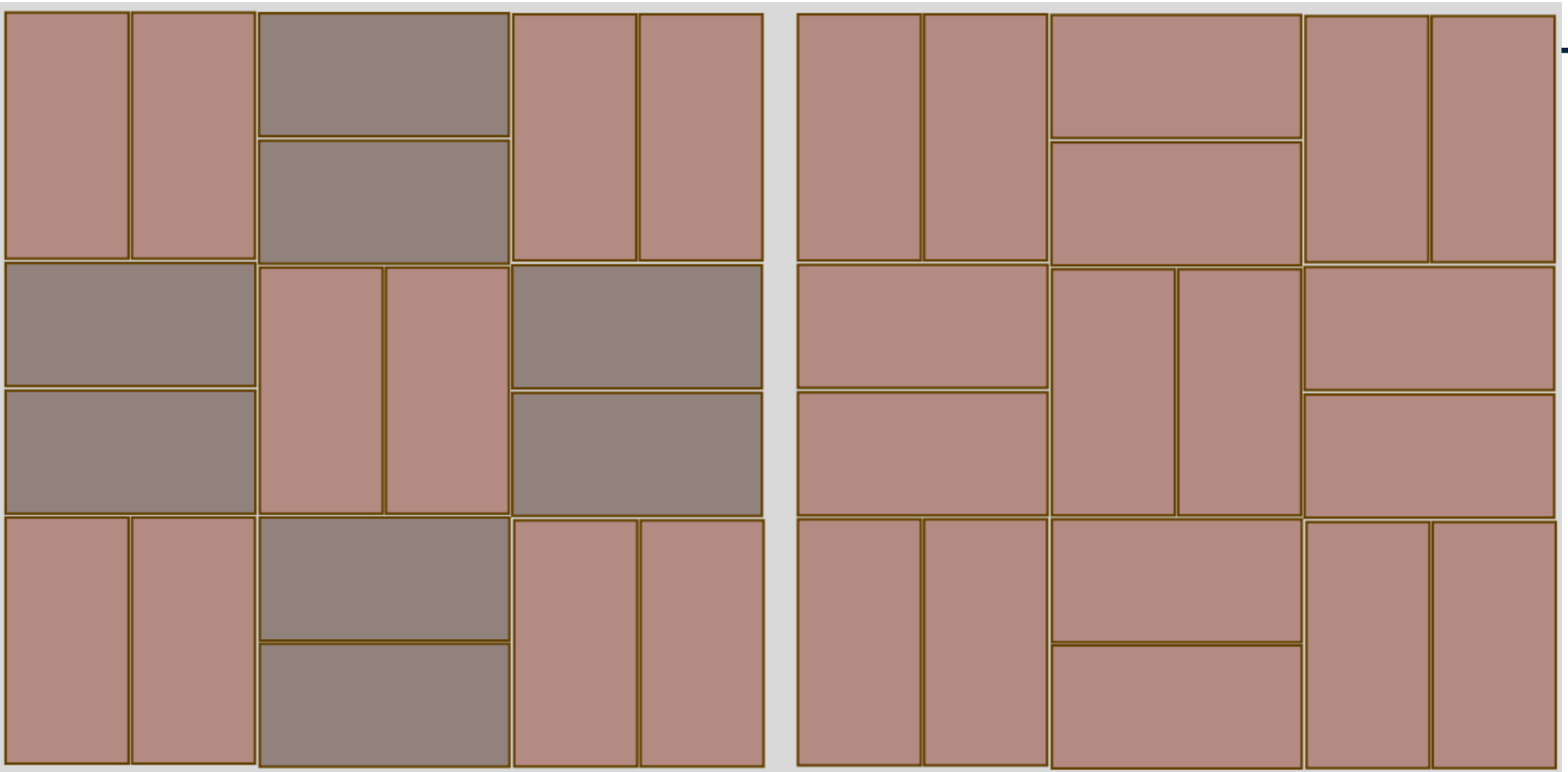
Herringbone Patterns

(4” x 8” Brick Pavers)



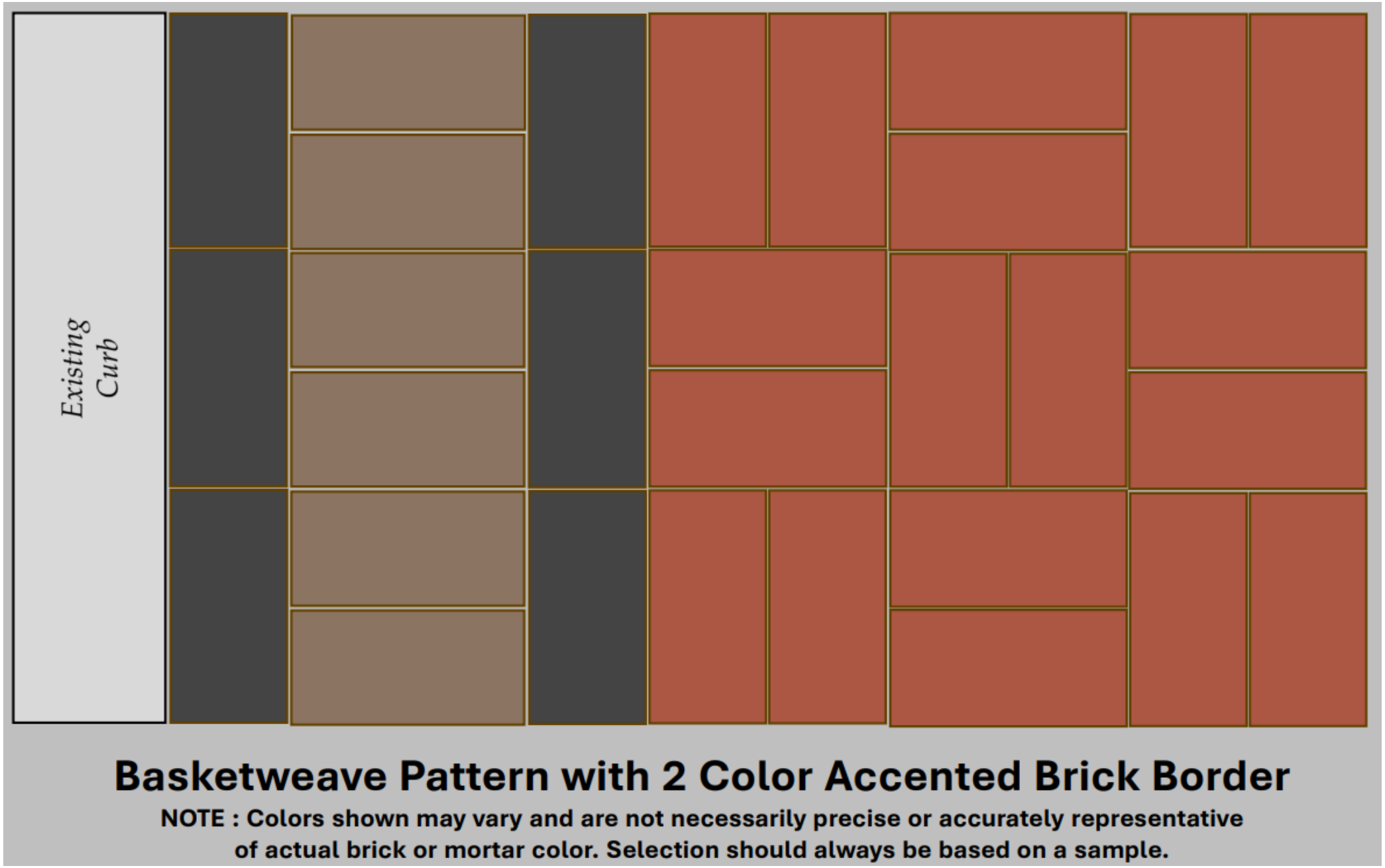
Herringbone Pattern with 2 Color Accented Brick Border

NOTE : Colors shown may vary and are not necessarily precise or accurately representative of actual brick or mortar color. Selection should always be based on a sample.



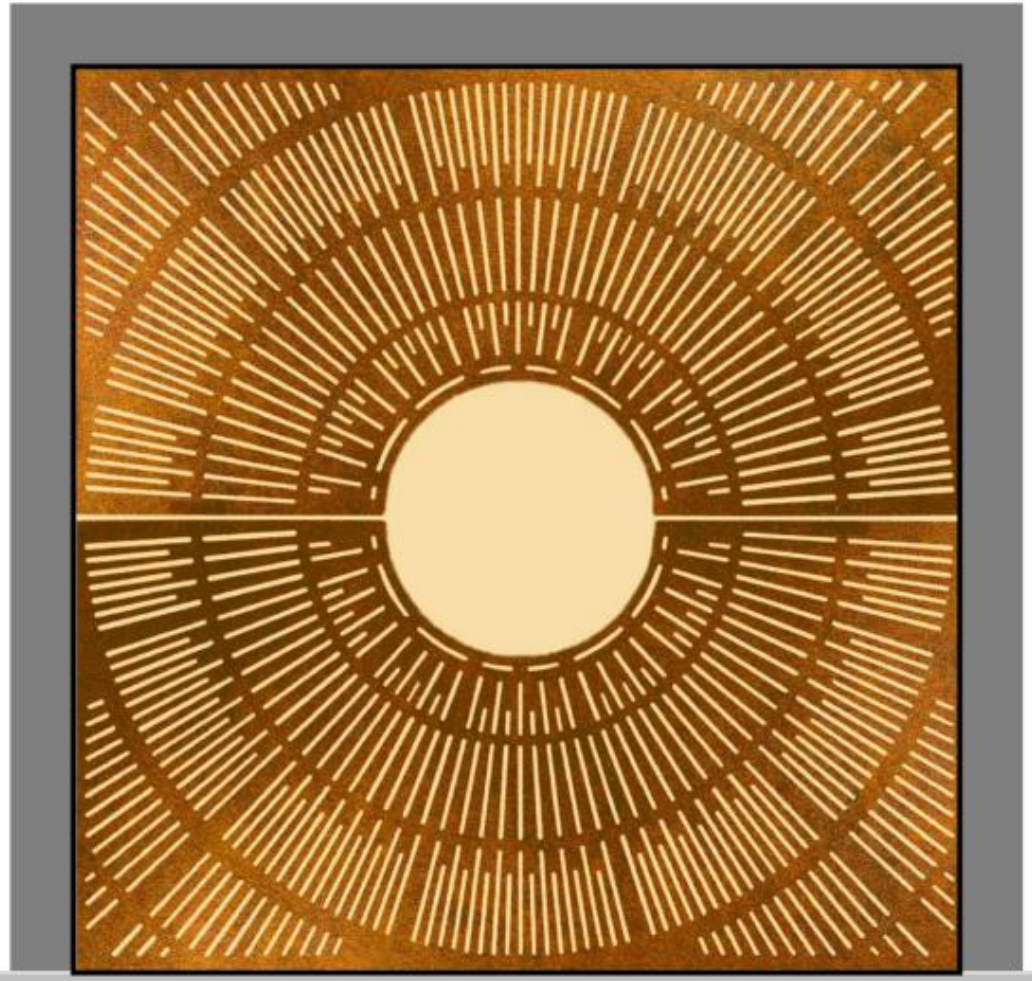
Basketweave Patterns

(4” x 8” Brick Pavers)



Basketweave Pattern with 2 Color Accented Brick Border

NOTE : Colors shown may vary and are not necessarily precise or accurately representative of actual brick or mortar color. Selection should always be based on a sample.



Decorative Cast Iron 4’ x 4’ Tree Grate

(ADA Compliant & Heel Proof)

Illuminate the beauty of your trees at night. Several of tree grate designs offer an access port option allowing for the installation of sub-grade lighting units, staking, or a watering well. Use direct lighting to create a special atmosphere and provide more light to the surrounding areas. Size can be plasma cut to fit any size well light.

Tree Grate Access Port Options

(for Light and Irrigation)

Tree Grate integrated Lighting

Lighting for Tree Grates

‘SAVANNAH’ HOLLY TREE

Ilex x attenuate ‘Savannah’

Characteristics

- Type: Tree
- Zone: 6 to 9
- Height: 10.00 to 20.00 feet
- Spread: 8.00 to 15.00 feet
- Bloom colors: Greenish-white
- Bloom Time: April to May
- Bloom Description:
- Flower: Insignificant
- Sun: Full sun to part shade
- Water: Medium
- Maintenance: Medium
- Suggested Use: Hedge
- Leaf: Evergreen
- Attracts: Birds
- Fruit: Showy
- Tolerate: Air Pollution

Savannah Holly

(Evergreen)

Fall Color
(copper; orange; red; yellow)

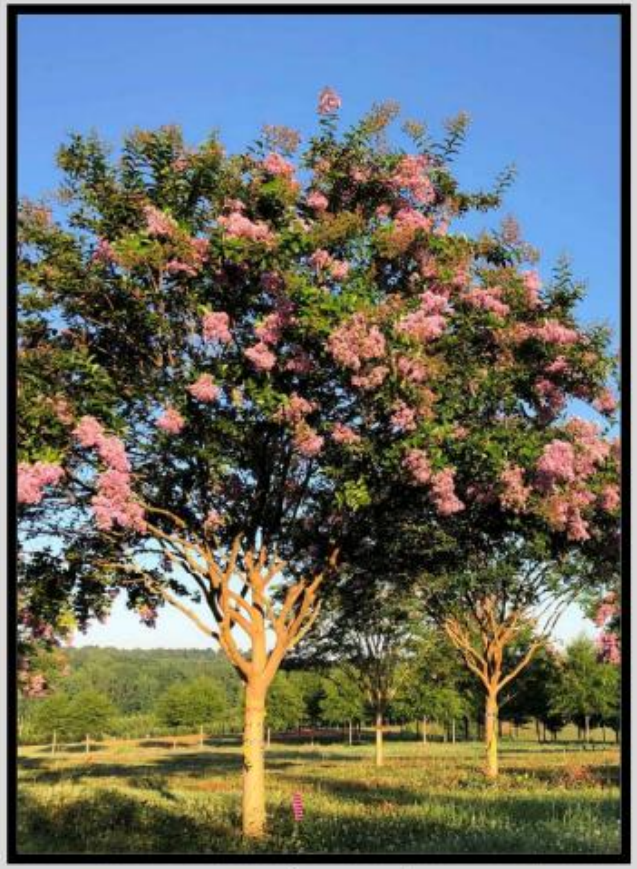
Summer Color

Spring Color

Okame Cherry
(Deciduous)

Fall Color
(copper; orange; red; yellow)

Summer Color

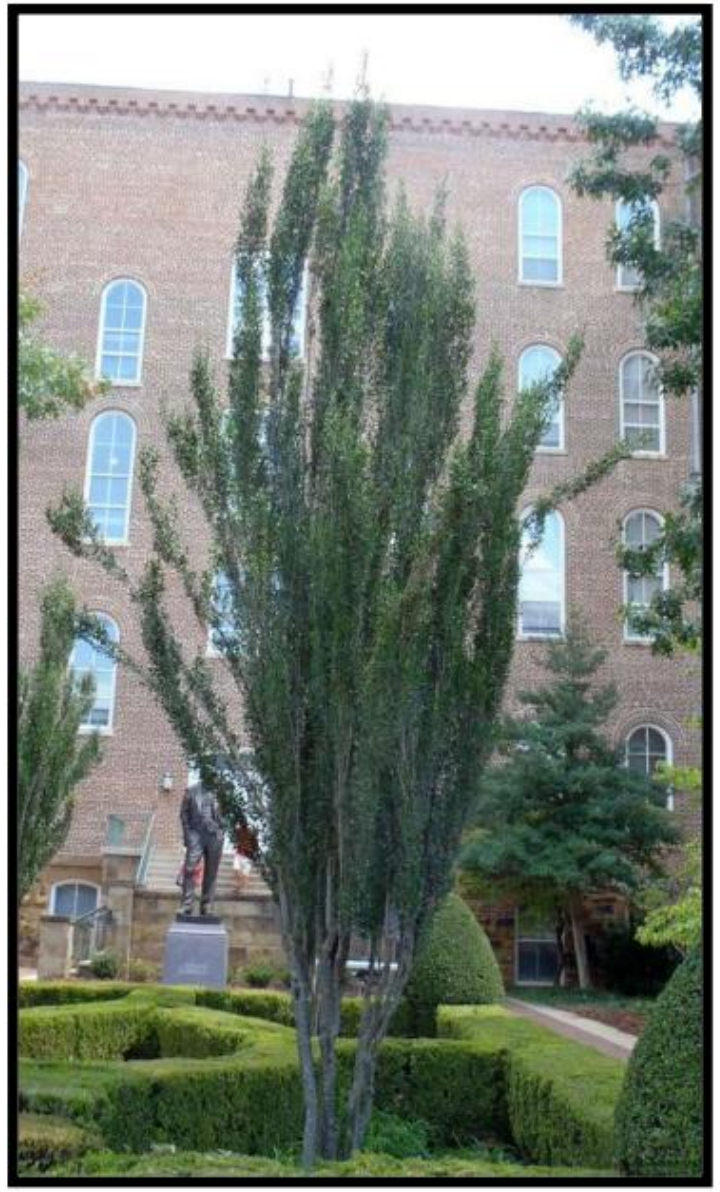


Spring Color

Muskogee Crape Myrtle
(Deciduous)

Will Fleming Yaupon Holly

Ilex vomitoria 'Will Fleming'



Silver Eastern Red Cedar 'Glauca'

Juniperus virginiana 'Glauca'

Metal Bench
with Center Armrest
(various colors available)

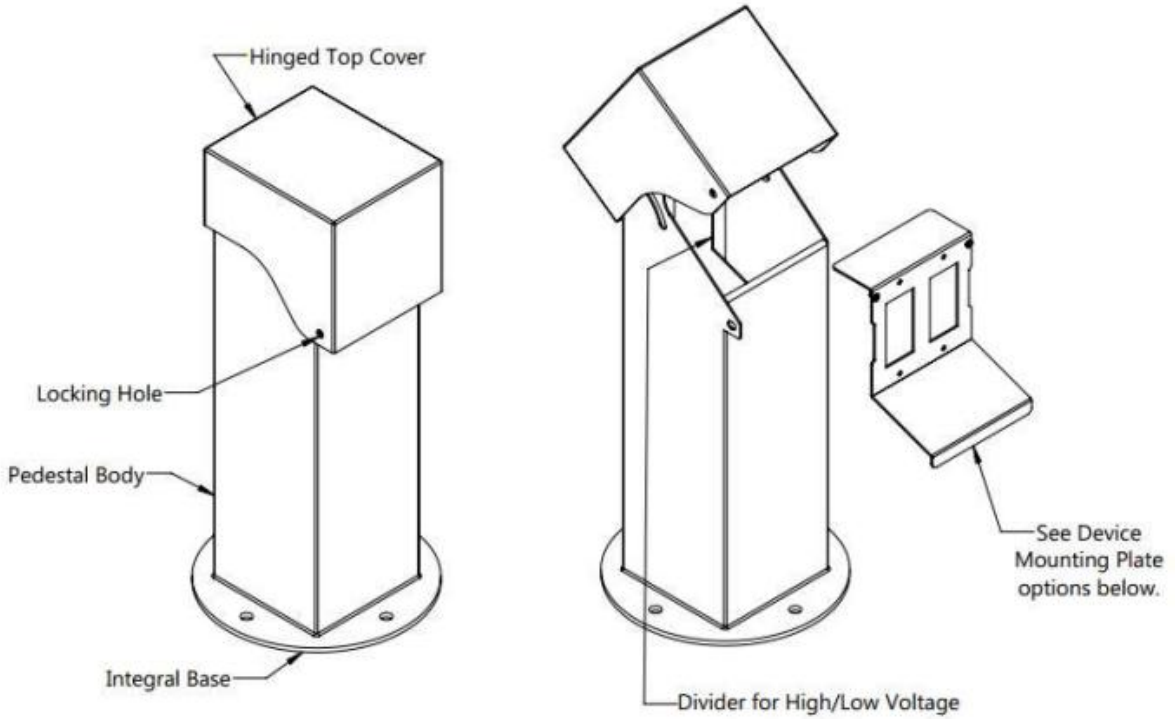
Metal Bench
with Arched Back
(various colors available)

Existing Trash Receptacle

Covered Trash Receptacle

(offers rain protection)

Model Type: Divided - 5x5 Hinge Top with Integral Base
Description: 18" Divided 5x5 Hinge Top with Integral Base



Wide Body Pedestal for 15 - 60 Amp Applications

Power Pedestal

(at alternating Tree locations)

Example of Water Meter Setting near Curb

Cost Estimate

Dated: 2/23/24

Rural Transformation Grant	$ 725,000.00
Rural Downtown Economic Development Grant	$ 306,000.00
Town of Plymouth	$ 15,300.00
TOTAL REVENUE:	$ 1,046,300.00

	A	B	C	D	E	F	G	H	Z	AA
1	**REVENUES**									
2		ESTIMATED AMOUNT		RURAL TRANSFORMATION GRANT			RURAL DOWNTOWN ED GRANT		Town of Plymouth	
3	FEDERAL GRANT (list each- add column if necessary)									
4	Rural Transformation Grant	$ 725,000.00		RTGF	$ 725,000.00					
9	STATE GRANT (list each- add column if necessary)									
10	Rural Downtown Economic Development Grant	$ 306,000.00					RDED	$ 306,000.00		
15	LOCAL (list each- add column to right)									
16	Town of Plymouth	$ 15,300.00							$ 15,300.00	
23										
24										
25	TOTAL REVENUE:	$ 1,046,300.00			$ 725,000.00			$ 306,000.00	$ 15,300.00	
26										
27										
28	**EXPENSES**	$ 1,046,300.00			$ 725,000.00			$ 306,000.00	$ 15,300.00	
29	**TOTAL PROJECT COST**	$ 1,046,300.00		RURAL TRANSFORMATION GRANT	$ 725,000.00		RURAL DOWNTOWN ED GRANT	$ 306,000.00	$ 15,300.00	
30	USE **DETAILED DESCRIPTION** FROM COST ESTIMATES PROVIDED - ADD MORE LINES IF NEEDED (list what grant covers each area - add columns to right if needed)									
31	**Administration**									
32	Mobilization	$ 38,753.00			$ 26,833.00			$ 11,920.00		
33	Staking	$ 16,000.00			$ 11,079.00			$ 4,921.00		
34	**Demo**									
35	Remove Existing Sidewalks	$ 27,500.00			$ 19,041.00			$ 8,459.00		
36	Remove Existing Curb & Gutter	$ 8,800.00			$ 6,093.00			$ 2,707.00		
37	Remove Trees	$ 2,800.00			$ 1,939.00			$ 861.00		
38	Remove Light Poles	$ 14,985.00			$ 10,376.00			$ 4,609.00		
39	**Streetscape**									
40	Survey	$ 25,000.00			$ 17,310.00			$ 7,690.00		
41	Brick Pavers on 3/4" Sand Setting Bed	$ 244,200.00			$ 169,084.00			$ 75,116.00		
42	4" Concrete Slab Under Pavers, no reinforcement with 4" ABC Base	$ 77,700.00			$ 54,015.00			$ 23,685.00		
43	Concrete Bands & Tree Collars	$ 5,600.00			$ 3,877.00			$ 1,723.00		
44	6" Reinforced Concrete Driveway	$ 7,500.00			$ 5,193.00			$ 2,307.00		
45	Concrete ROW Band at Building Edge (12" Avg, min 6")	$ 17,006.00			$ 11,775.00			$ 5,231.00		
46	30" Concrete Curb & Gutter	$ 25,140.00			$ 17,407.00			$ 7,733.00		
47	Truncated Dome Pavers	$ 1,440.00			$ 997.00			$ 443.00		
48	Stalite Permatil Structural Soil	$ 28,875.00			$ 19,993.00			$ 8,882.00		
49	**Lights and Furniture**									
50	Pedestrian Lights	$ 54,000.00			$ 37,390.00			$ 16,610.00		
51	Light Footers (installed)	$ 24,300.00			$ 16,825.00			$ 7,475.00		
52	Tree Pit Electrical Receptacle Pedestal Installation & Wiring	$ 42,000.00			$ 29,081.00			$ 12,919.00		
53	Sign Post & Placard	$ 660.00			$ 457.00			$ 203.00		
54	Sign Post Concrete Footers (installed)	$ 1,500.00			$ 1,039.00			$ 461.00		
55	Benches	$ 21,000.00			$ 14,540.00			$ 6,460.00		
56	Litter Receptacle	$ 15,000.00			$ 10,386.00			$ 4,614.00		
57	Low Voltage Lighting allowance per tree, materials and installation of trees,	$ 28,000.00			$ 19,387.00			$ 8,613.00		
58	2 uplights per tree, conduits, LV electrical wiring									
60	**Irrigaton & Painting**									
61	Irrigation (Allowance)	$ 26,956.00			$ 18,664.00			$ 8,292.00		
62	High Visibility Crosswalks (2'x10')	$ 8,800.00			$ 6,093.00			$ 2,707.00		
63	Painted Parking Lines	$ 564.00			$ 391.00			$ 173.00		
64	4" Painted Yellow Striping Centerline (installed)	$ 1,140.00			$ 789.00			$ 351.00		
65	**Subtotal Construction Cost**	**$ 765,219.00**			**$ 530,054.00**			**$ 235,165.00**		
66	Construction Contingency 15%	$ 117,075.00			$ 80,934.00			$ 36,144.00		
67	Engineering/Design/ Permitting CA	$ 112,453.00			$ 77,762.00			$ 34,691.00		
68	Grant Administration	$ 51,550.00			$ 36,250.00			$ -	$ 15,300.00	
71										
72	**TOTAL EXPENSE:**	$ 1,046,297.00			$ 725,000.00			$ 306,000.00	$ 15,300.00	

Questions?

Wooten

A tradition of DESIGNING THE FUTURE ►