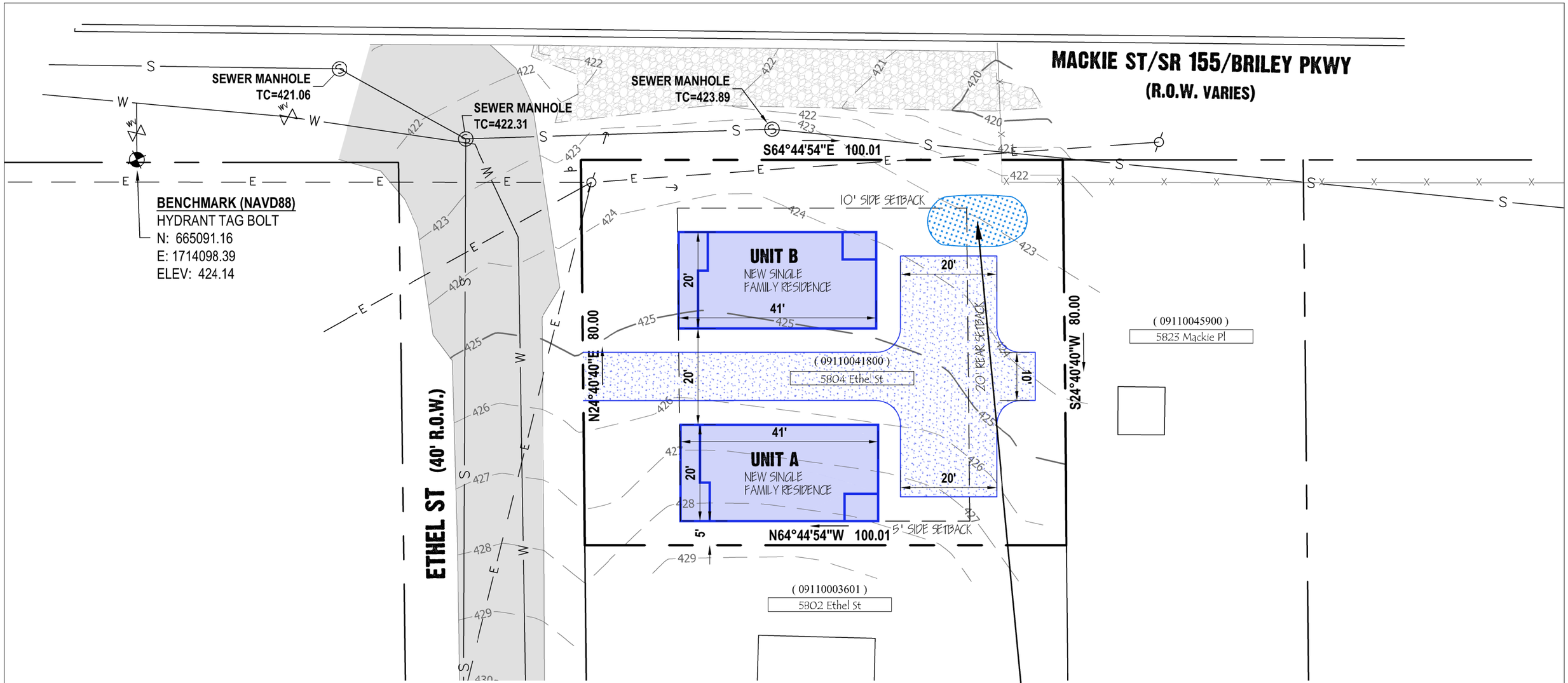

GRAPHIC SCALE (IN FEET)

20 0 10 20 40

1 inch = 20 ft.

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TENNESSEE NO. 2347
3-9-2016

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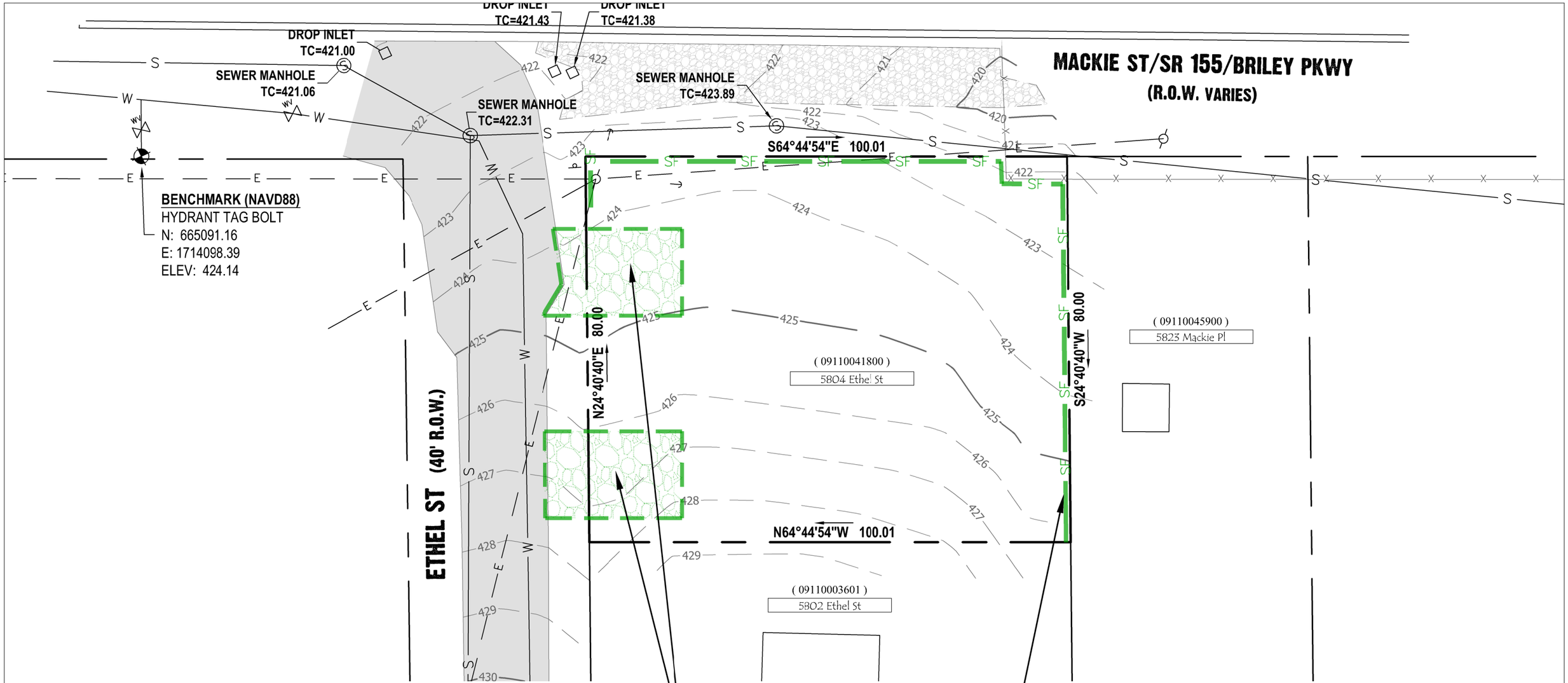
Site Plan

5804 Ethel Street

Nashville, Davidson County, Tennessee

Sheet No.

V-2.1



GRAPHIC SCALE (IN FEET)

1 inch = 20 ft.

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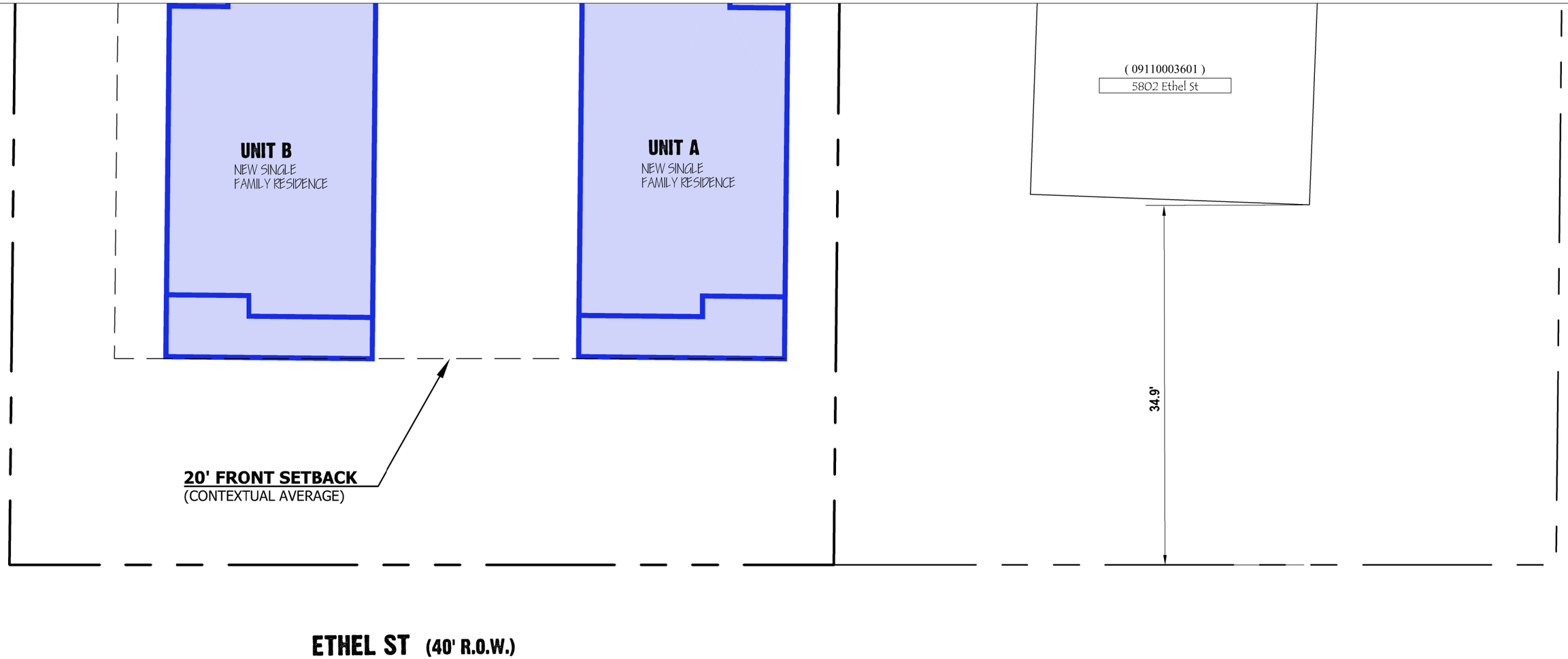
EPSC Plan

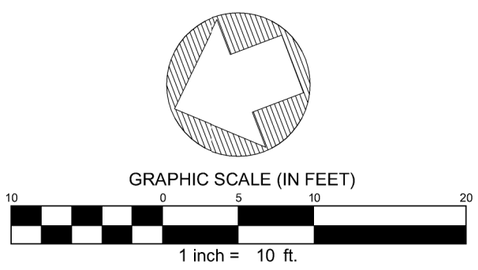
5804 Ethel Street

Nashville, Davidson County, Tennessee

Sheet No.

V-2.2





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Building Setbacks

5804 Ethel Street

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V-2.3

SITE DATA: PRE-DEVELOPMENT

Total Site Area 8,000 SF

PRE-DEVELOPMENT IMPERVIOUS: 0 SF

Buildings 0 SF
Parking/Drives 0 SF
Walks/Mics Pads 0 SF

SITE DATA: POST-DEVELOPMENT

Total Site Area 8,000 SF

POST-DEVELOPMENT IMPERVIOUS: 3,400 SF (42.5%)

Buildings 1,640 SF
Parking/Drives 1,760 SF

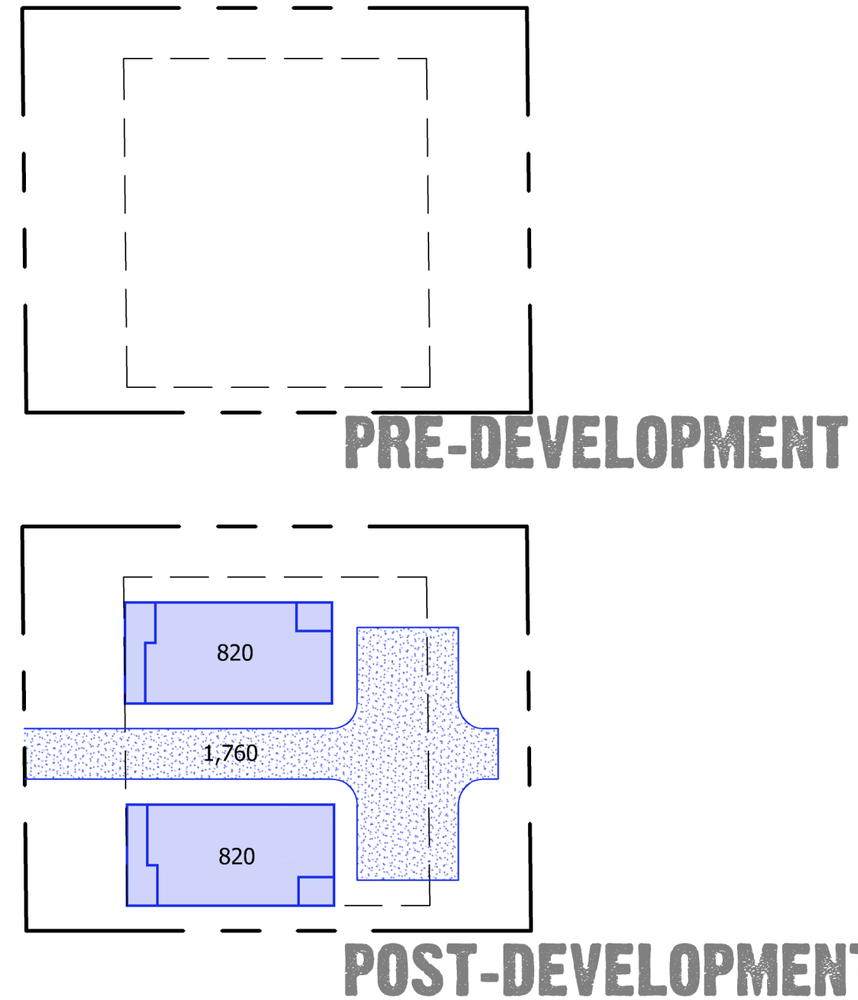
POST- IMPERVIOUS NET GAIN: 3,400 SF (TIER 2)

STORMWATER NET GAIN TREATMENT

Total Site Area 8,000 SF

POST-DEVELOPMENT STORMWATER TREATMENT: 3,400 SF

RAINGARDEN (194 SF @ 24" Required lower storage depth)



GRAPHIC SCALE (IN FEET)
30 0 15 30 60
1 inch = 30 ft.

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Impervious Areas

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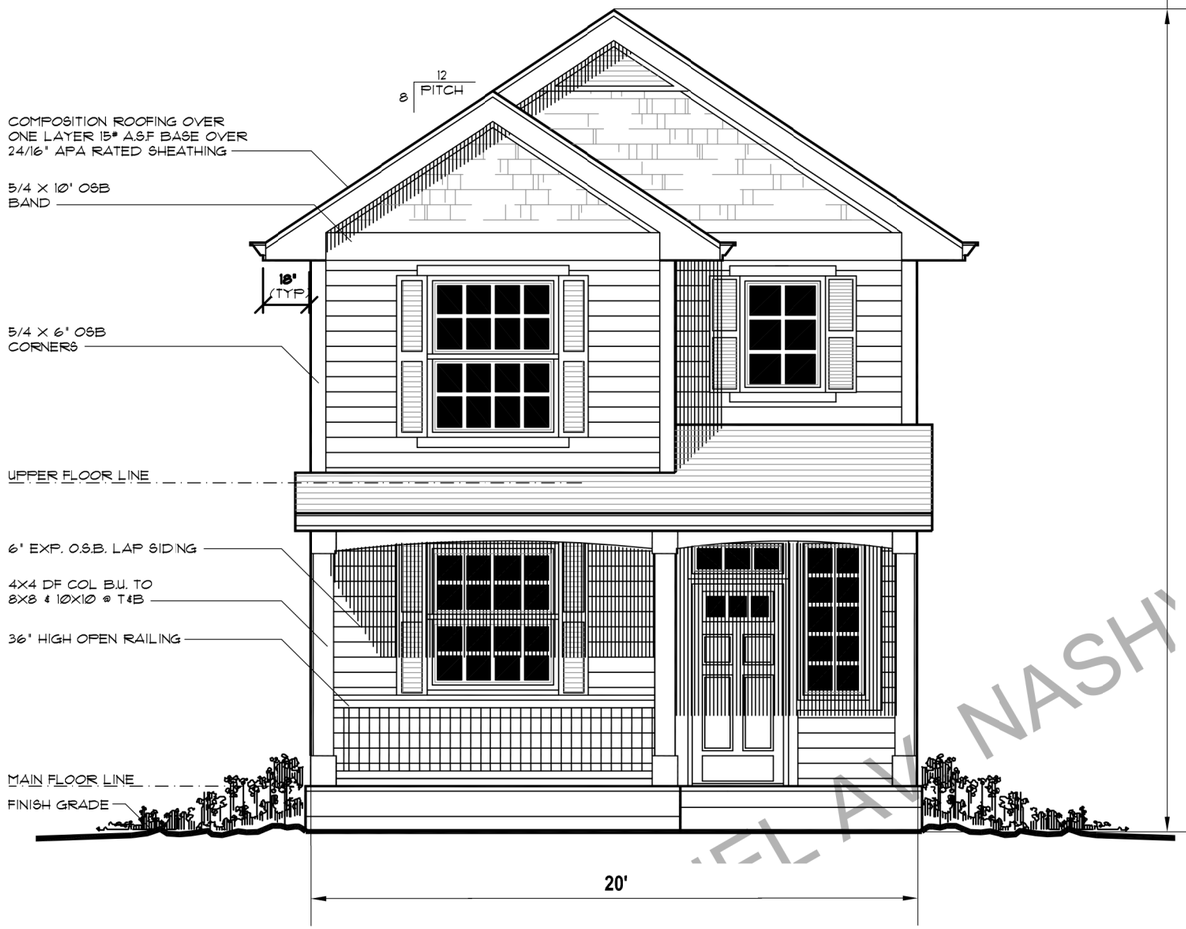
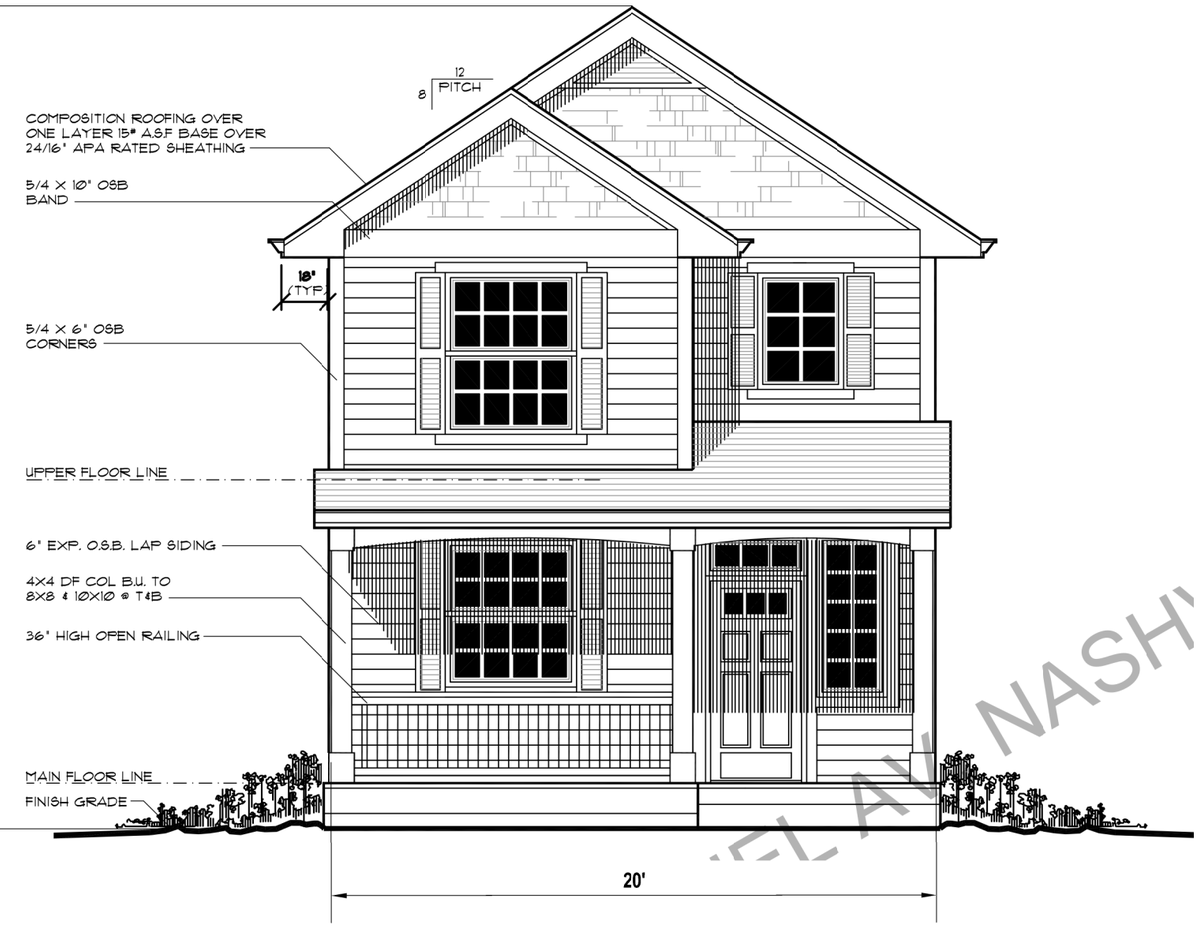
27.1' Total height from facade grade





GRAPHIC SCALE (IN FEET)

10 0 5 10 20

1 inch = 10 ft.

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Building Elevations

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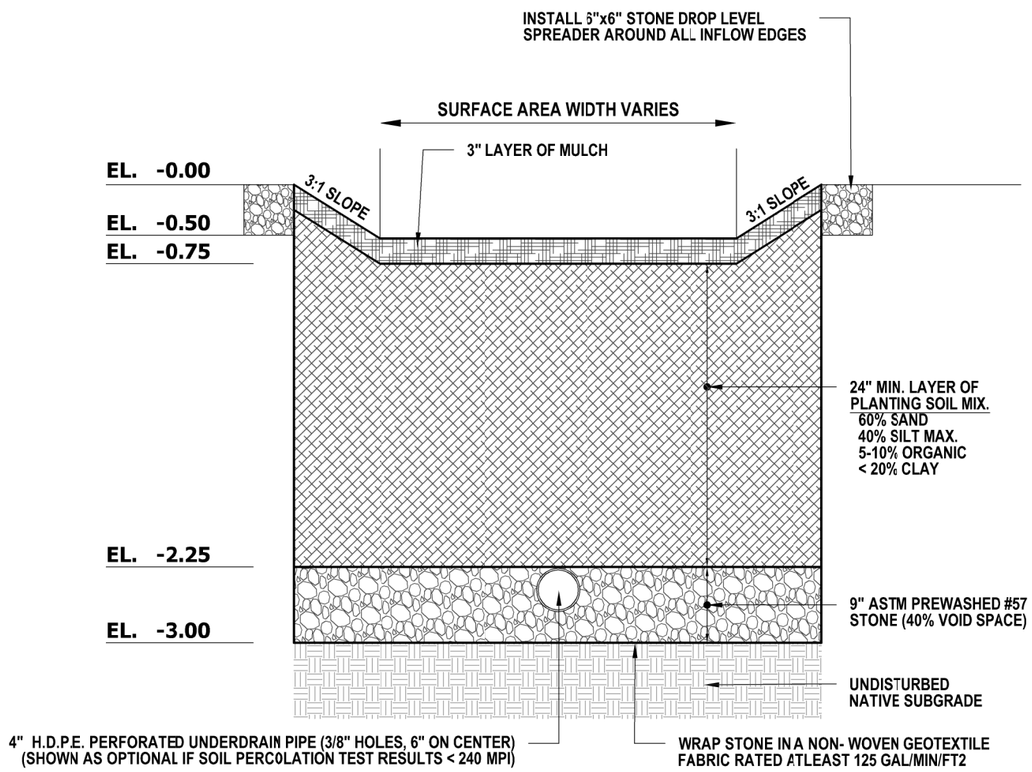
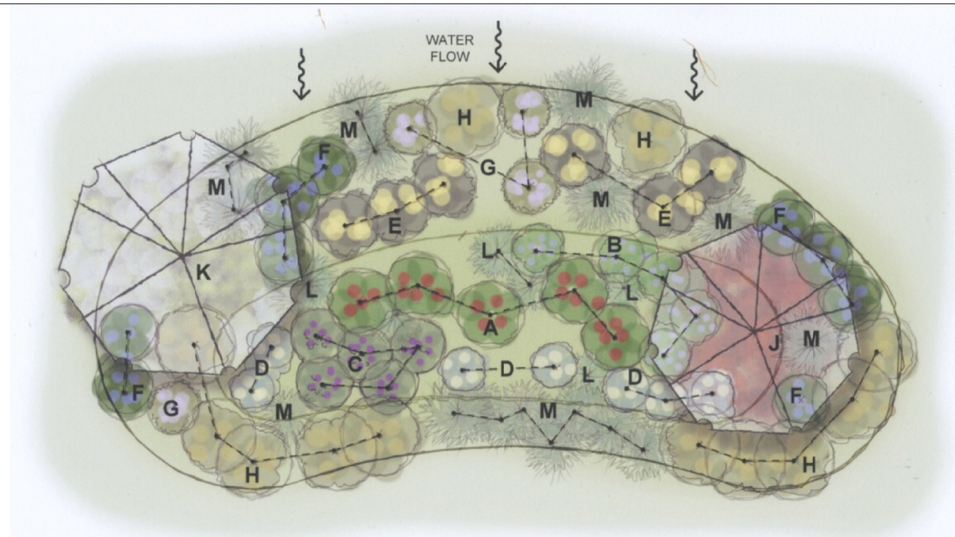


RAIN GARDEN CROSS SECTION



RAIN GARDEN in FULL SUN

A	Cardinal flower ~ Hibiscus
B	Blue vervain ~ Swamp milkweed
C	Ironweed ~ Tall sunflower
D	Green-headed coneflower ~ Blazing star
E	Thin-leaved sunflower ~ Oxeye
	Brown-eyed Susan ~ Helen's flower
F	Great blue lobelia ~ Wild senna
	White Beardtongue ~ Virginia bluebells
G	Culver's root ~ Purple bergamot
	Bee balm ~ Mountain mint
H	Rough-stemmed goldenrod ~ Basil balm
	Butterflyweed ~ Perennial phlox
J	Tupelo ~ Buttonbush- Winterberry
	Grey dogwood ~ Common elderberry
K	Dogwood ~ Ninebark ~ Red maple
	Shrubby St. Johnswort ~ Wild hydrangea
L	Switchgrass ~ Wool grass ~ Wild stonecrop
	Big bluestem ~ Riverbank wild rye
	Starry campion ~ Blue-eyed grass
	Virginia wild rye ~ American dog violet
M	Bottlebrush grass

RAIN GARDEN TYPICAL PLANTING SCHEDULE

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Stormwater Details

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SKETCH LAYOUT

PROVIDE PLAN VIEWS OF RAIN GARDEN AND HOUSE SHOWING DRAINAGE AREA DIRECTED TO RAIN GARDEN AND KEY DIMENSIONS AND OVERFLOW AREA RELATIVE TO PROPERTY LINE.

RAIN GARDEN OPTION

SIZING CALCULATION:

Contributing Drainage Area (square feet)	Depth of Amended Soil (inches)			
	18	24	30	36
	Area of Rain Garden (square feet)			
100	6.6	5.7	5.1	4.6
500	35	30	25	23
1000	65	60	50	45
2000	135	115	100	90
3000	200	170	150	140
4000	260	230	200	185
5000	330	290	255	230

MEASURE CONTRIBUTING DRAINAGE AREA AND READ AREA FOR GIVEN MEDIA DEPTH.

CONTRIBUTING DRAINAGE AREA= __**3,400**__ SQ FT
DEPTH OF SOIL MEDIA= ___**24**___ INCHES
AREA OF RAIN GARDEN= __**194**__ SQ FT

MAINTENANCE:

1. IRRIGATE VEGETATION AS NEEDED IN FIRST SEASON
2. REMOVE WEEDS
3. REPLACE UNSUCCESSFUL PLANTINGS
4. REPLENISH MULCH
5. REPAIR ERODED AREAS
6. RAKE CLOGGED SURFACE TO RESTORE INFILTRATION
7. MONITOR RAIN GARDEN FOR APPROPRIATE DRAINAGE TIMES IF GARDEN DOES NOT DRAIN AN UNDERDRAIN MAY BE NECESSARY

METRO NASHVILLE DEPARTMENT OF WATER SERVICES	ATTACHED THIS TWO-PAGE SPECIFICATION TO HOUSE PLAN SUBMITTAL	RAIN GARDEN SPECIFICATIONS PAGE 2 OF 2

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Stormwater Details

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