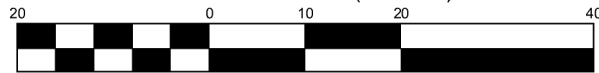
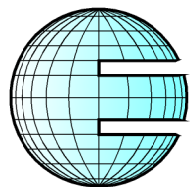
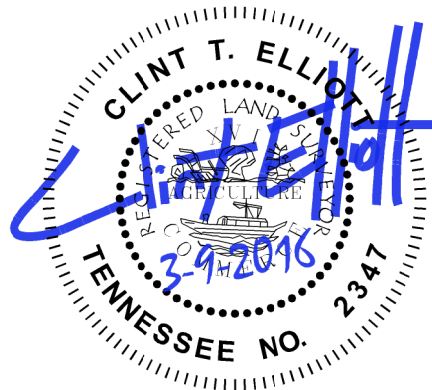


GRAPHIC SCALE (IN FEET)



1 inch = 20 ft.



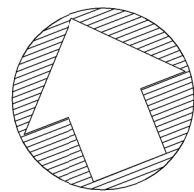
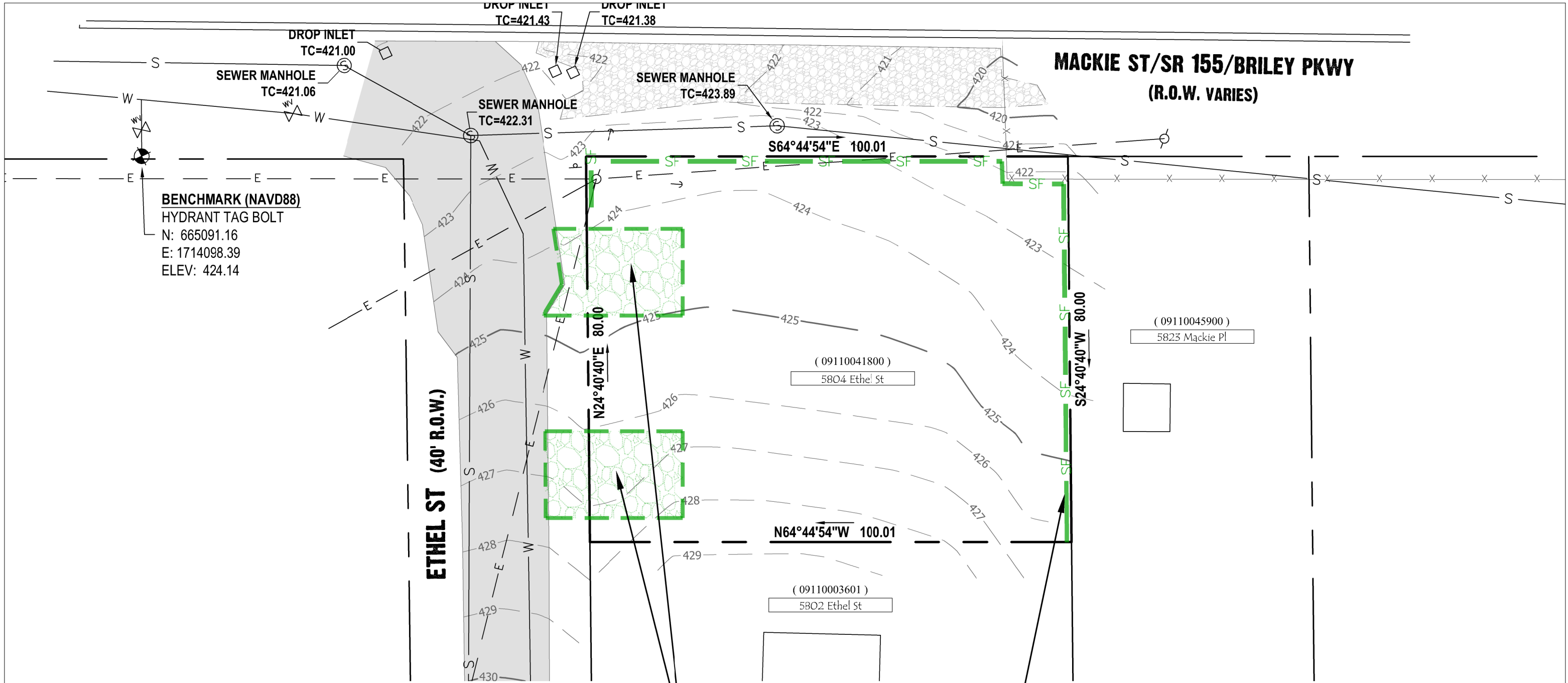
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 7930 Hwy 70 South, Nashville Tn, 37221
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 e| clint@clintelliottsury.com

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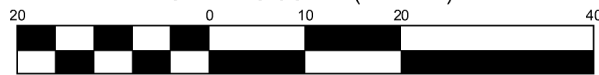
Site Plan
5804 Ethel Street

Sheet No.

V-2.1



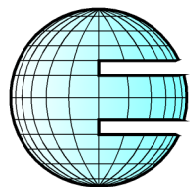
GRAPHIC SCALE (IN FEET)



1 inch = 20 ft.

INSTALL NEW CONSTRUCTION ENTRANCE
 (SEE METRO BMP FOR DETAILS)

INSTALL NEW SILT FENCE
 (SEE METRO BMP FOR DETAILS)



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EPSC Plan
5804 Ethel Street

Sheet No.

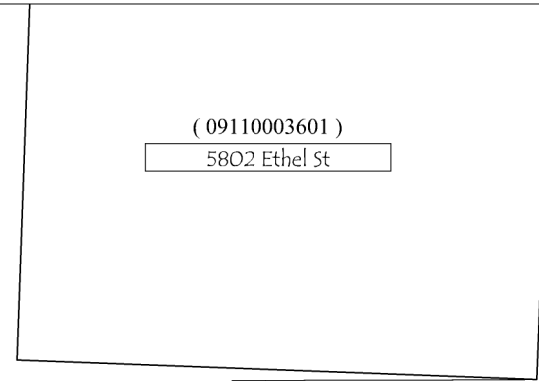
V-2.2



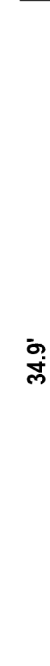
UNIT B
NEW SINGLE
FAMILY RESIDENCE



UNIT A
NEW SINGLE
FAMILY RESIDENCE



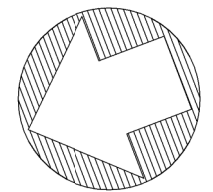
(09110003601)
5802 Ethel St



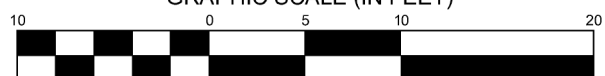
34.9'

20' FRONT SETBACK
(CONTEXTUAL AVERAGE)

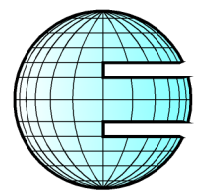
ETHEL ST (40' R.O.W.)



GRAPHIC SCALE (IN FEET)



1 inch = 10 ft.



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Building Setbacks
5804 Ethel Street
Nashville, Davidson County, Tennessee

Sheet No.
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

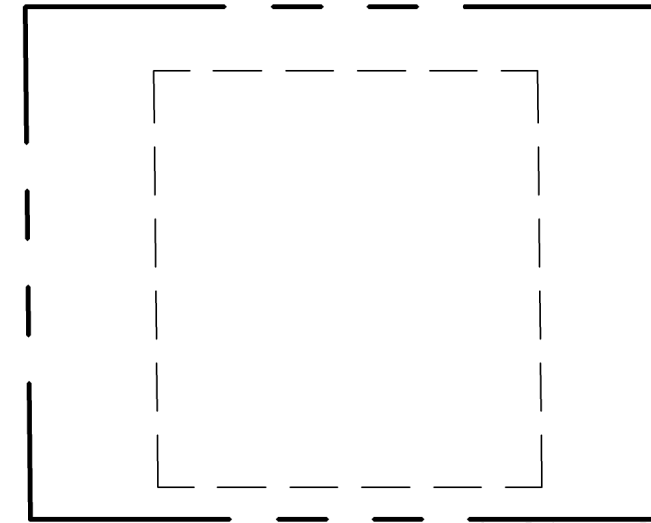
POST- IMPERVIOUS NET GAIN: 3,400 SF (TIER 2)

STORMWATER NET GAIN TREATMENT

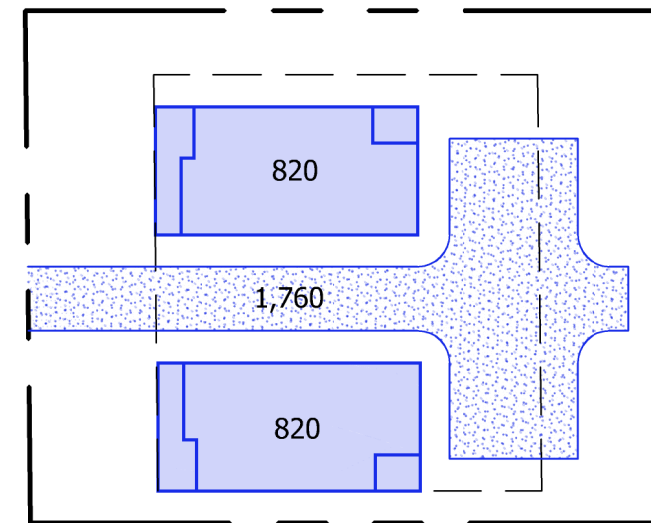
Total Site Area 8,000 SF

POST-DEVELOPMENT STORMWATER TREATMENT: 3,400 SF

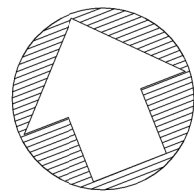
RAINGARDEN (194 SF @ 24" Required lower storage depth)



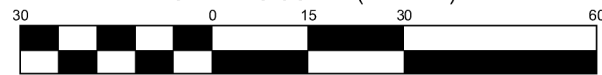
PRE-DEVELOPMENT



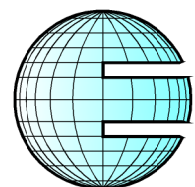
POST-DEVELOPMENT



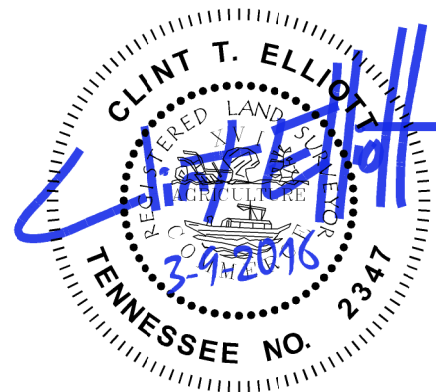
GRAPHIC SCALE (IN FEET)



1 inch = 30 ft.



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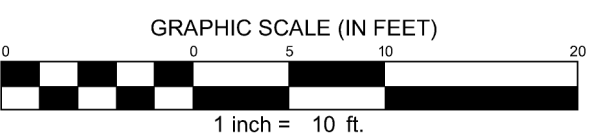
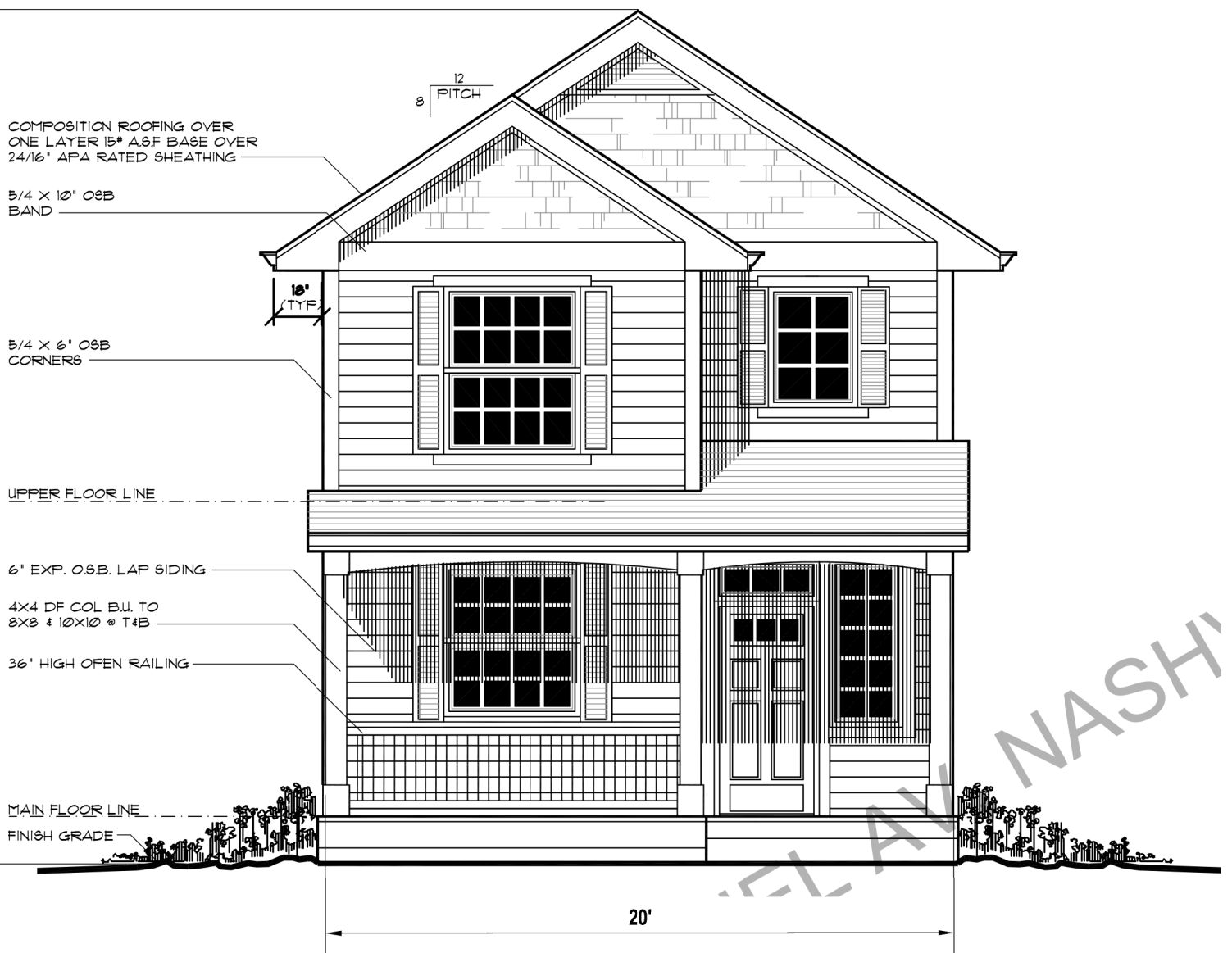
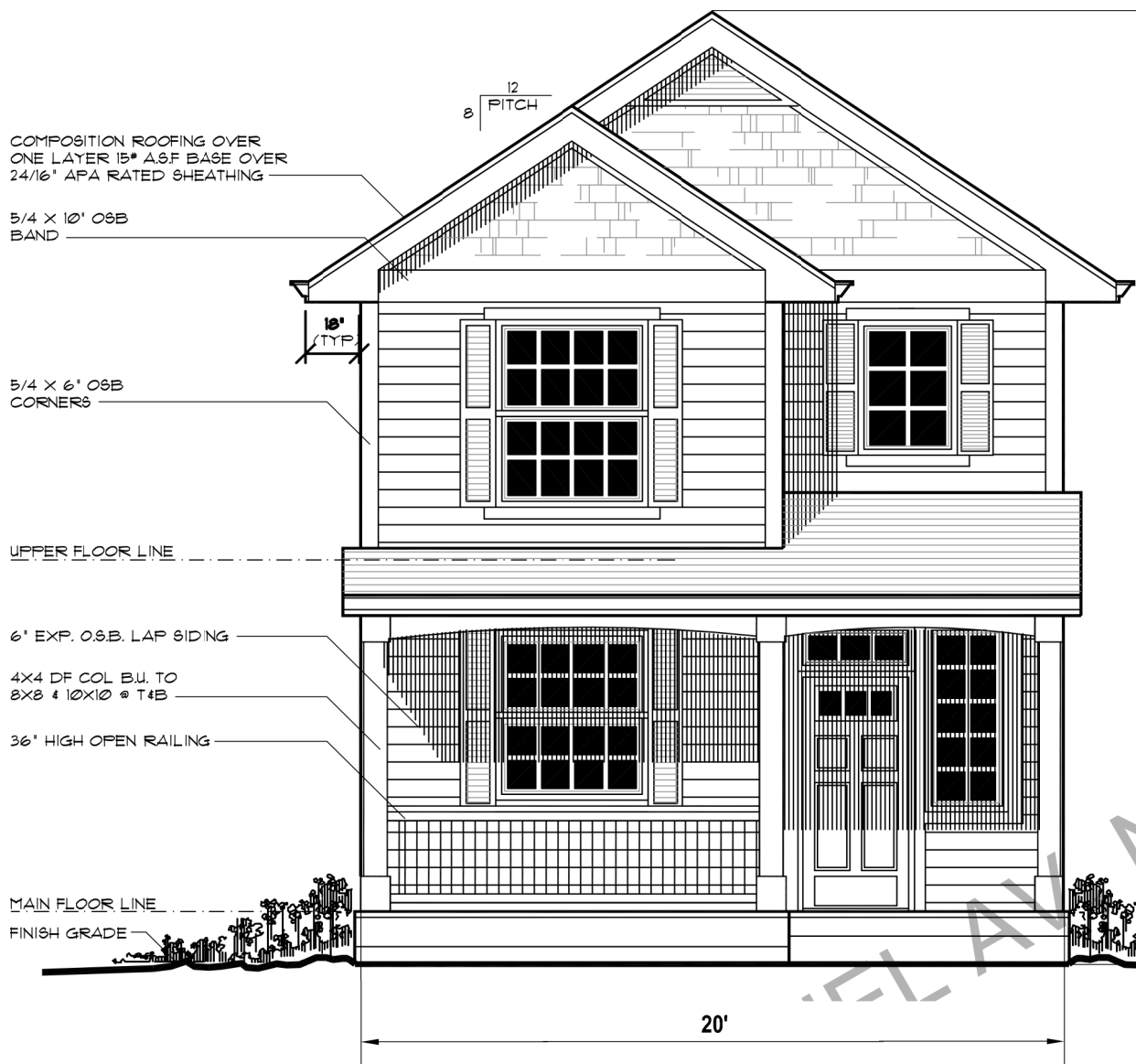


Impervious Areas
5804 Ethel Street
Nashville, Davidson County, Tennessee

Sheet No.

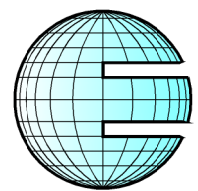
V-2.4

27.1' Total height from facade grade

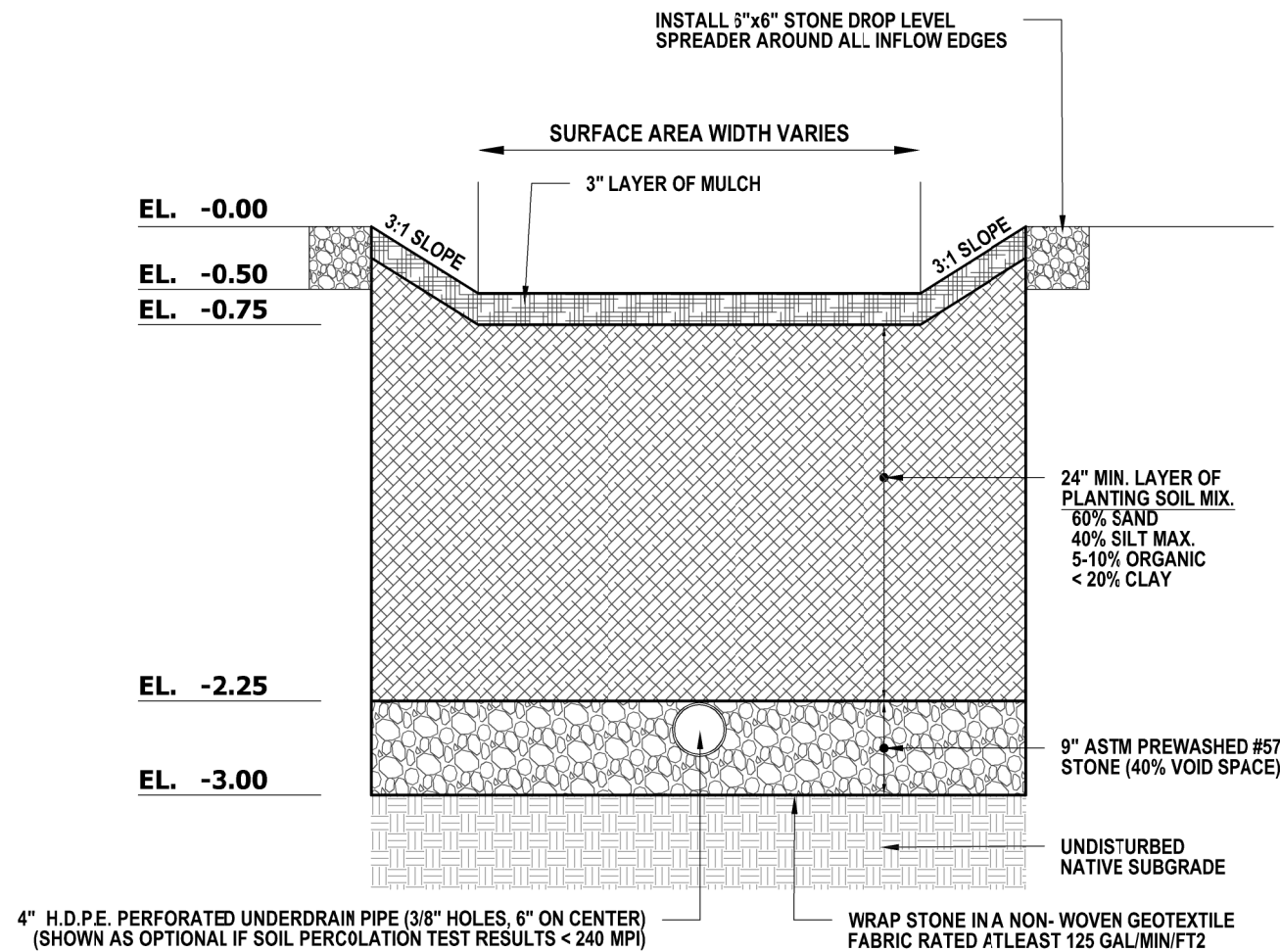


Building Elevations
5804 Ethel Street
Nashville, Davidson County, Tennessee

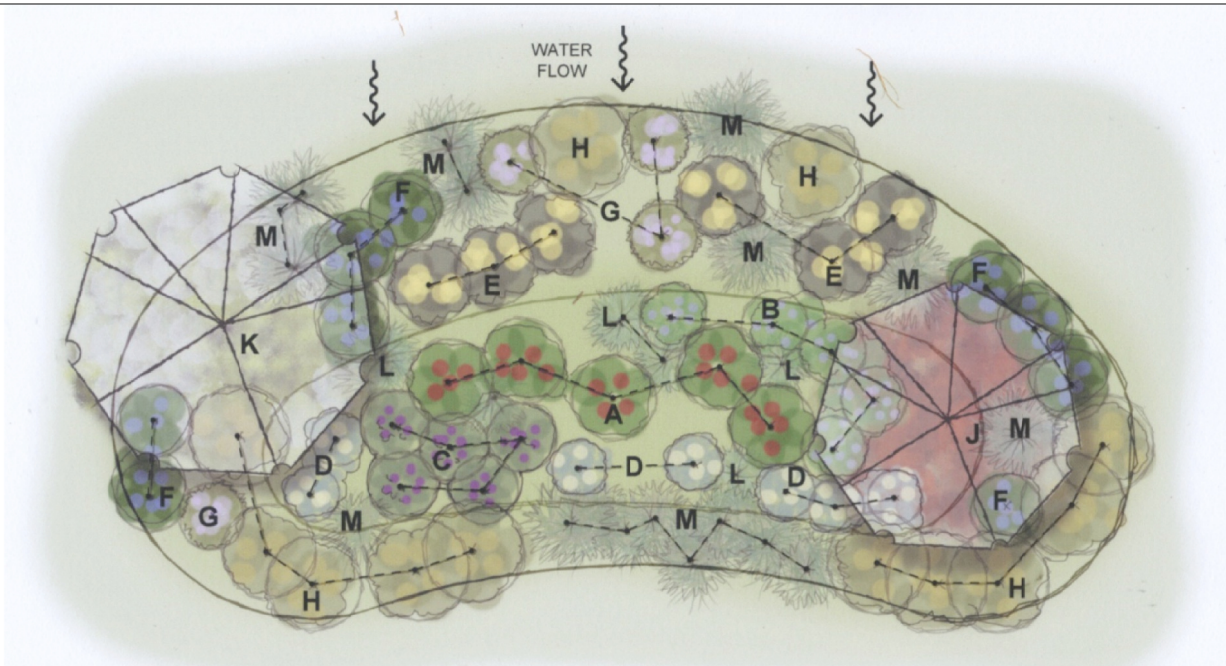
Sheet No.
V-2.5



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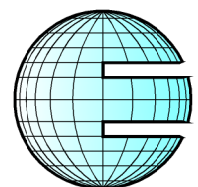
RAIN GARDEN CROSS SECTION



RAIN GARDEN in FULL SUN

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

RAIN GARDEN TYPICAL PLANTING SCHEDULE



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Stormwater Details
5804 Ethel Street
Nashville, Davidson County, Tennessee

Sheet No.
V-2.6

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

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

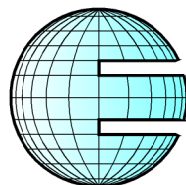
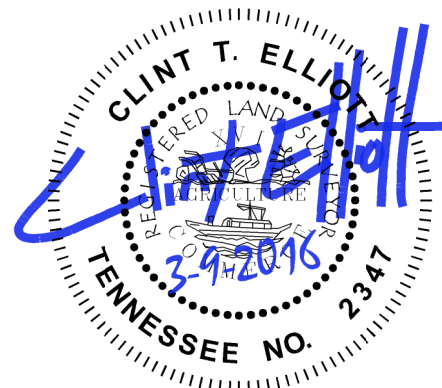
MEASURE CONTRIBUTING DRAINAGE AREA AND READ AREA FOR GIVEN MEDIA DEPTH.

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

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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Sheet No.

V-2.7