

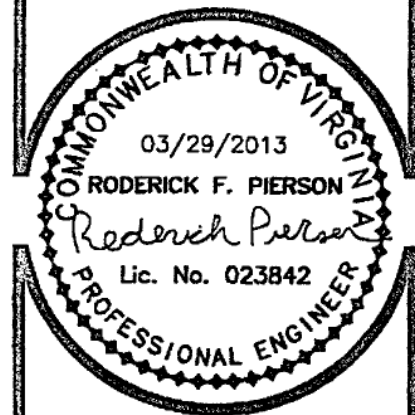
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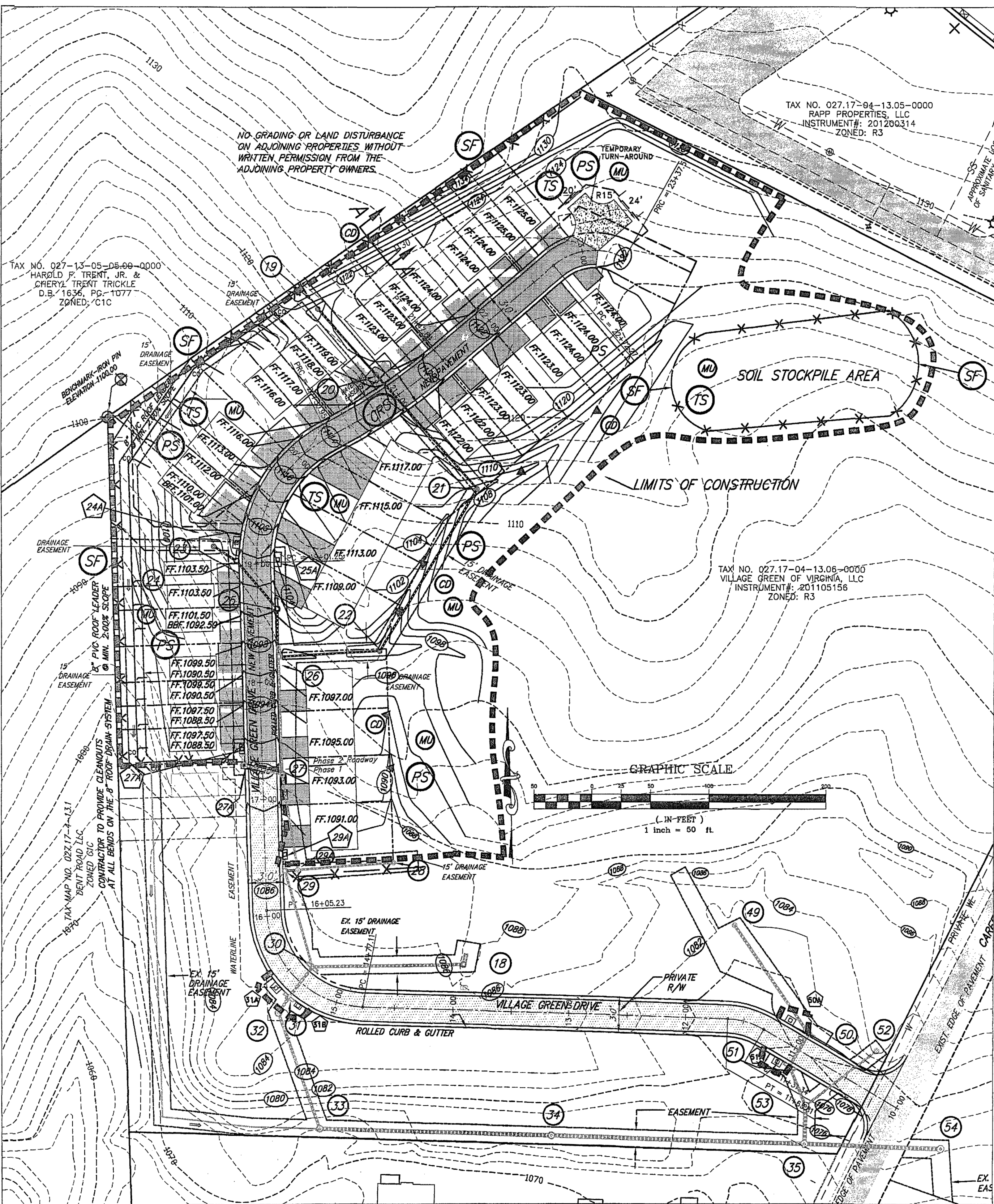
THE VILLAGE GREEN
PHASE II
ROANOKE COUNTY, VIRGINIA

GRADING &
DRAINAGE
PLAN
PHASE II



COMMISSION No.
XXXXX
SHEET
C-6

NEW DRAINAGE STRUCTURE SCHEDULE		
19 NEW DROP INLET, VDOT STD DI-7 TOP 1116.90 INV. 1113.40	22 - 26 76'-15" HDPE PIPE @ 1.00%	25 - 26 35'-15" HDPE PIPE @ 9.28%
19 - 20 71'-15" HDPE PIPE @ 3.94%	23 NEW DROP INLET, VDOT STD DI-7 TOP 1101.50 INV. 1097.50	26 NEW DROP INLET, VDOT STD DI-7 TOP 1097.15 INV.(IN) FROM 22 & 25 1091.05 INV.(OUT) 1091.05
20 NEW DROP INLET, VDOT STD DI-7 TOP 1116.80 INV. (IN) 1110.60 INV. (OUT) 1110.50	23 - 24 19'-15" HDPE PIPE @ 1.05%	
20 - 21 126'-15" HDPE PIPE @ 7.94%	24 STA. 19+03.05, LT. NEW CURB INLET, VDOT STD DI-3B, L=12' TOP 1103.70 INV.(IN) 1097.30 INV.(OUT) 1097.20	
21 NEW DROP INLET, VDOT STD DI-7 TOP 1105.50 INV. (IN) 1100.50 INV. (OUT) 1100.40	24 - 25 50'-15" HDPE PIPE @ 5.60%	
21 - 22 156'-15" HDPE PIPE @ 5.44%	25 STA. 18+61.51, RT. NEW CURB INLET, VDOT STD DI-3B, L=12' TOP 1101.00 INV.(IN) 1094.40 INV.(OUT) 1094.30	
22 NEW DROP INLET, VDOT STD DI-7 TOP 1095.50 INV.(IN) 1091.91 INV.(OUT) 1091.81		
ALL PIPE LENGTHS ARE HORIZONTAL DISTANCE.		
ALL DRAINAGE STRUCTURES, IE... INLETS, MANHOLES ETC., SHALL BE VDOT STANDARD STRUCTURES.		
INVERT SHAPING, VDOT STD IS-1, IS REQUIRED ON ALL DRAINAGE STRUCTURES.		
HDPE PIPE TO BE HIGH DENSITY POLYETHYLENE N-12 DUAL-WALL PIPE MANUFACTURED BY ADVANCE DRAINAGE SYSTEM OR AN APPROVED EQUIVALENT.		
ALL GRATES ON THE NEW DI-7 DROP INLETS SHALL BE TYPE III GRATES		
REFER TO "SEDIMENT BASIN DETAIL & EROSION CONTROL NARRATIVE" PLAN FOR HDPE PIPE TYPICAL TRENCH DETAIL		



SOILS
The soils as indicated from the USDA and SCS Soil Survey of Roanoke County, classifies the soil as 24C Groseclose Silty Loam, 7-15% slopes. Soil found to be drained with a low shrink-swell potential, moderate permeability, with high erosion potential.

APPROVED