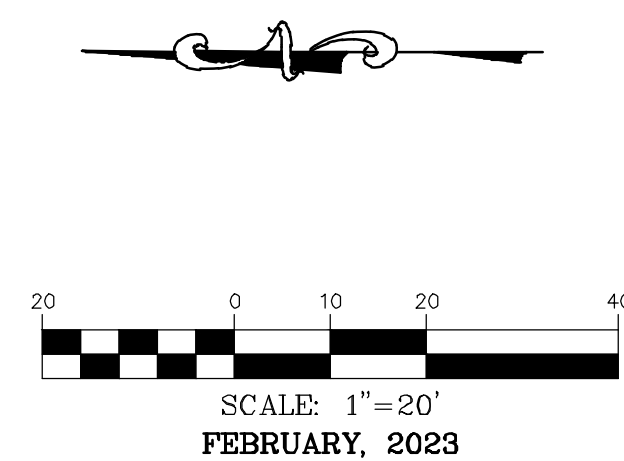
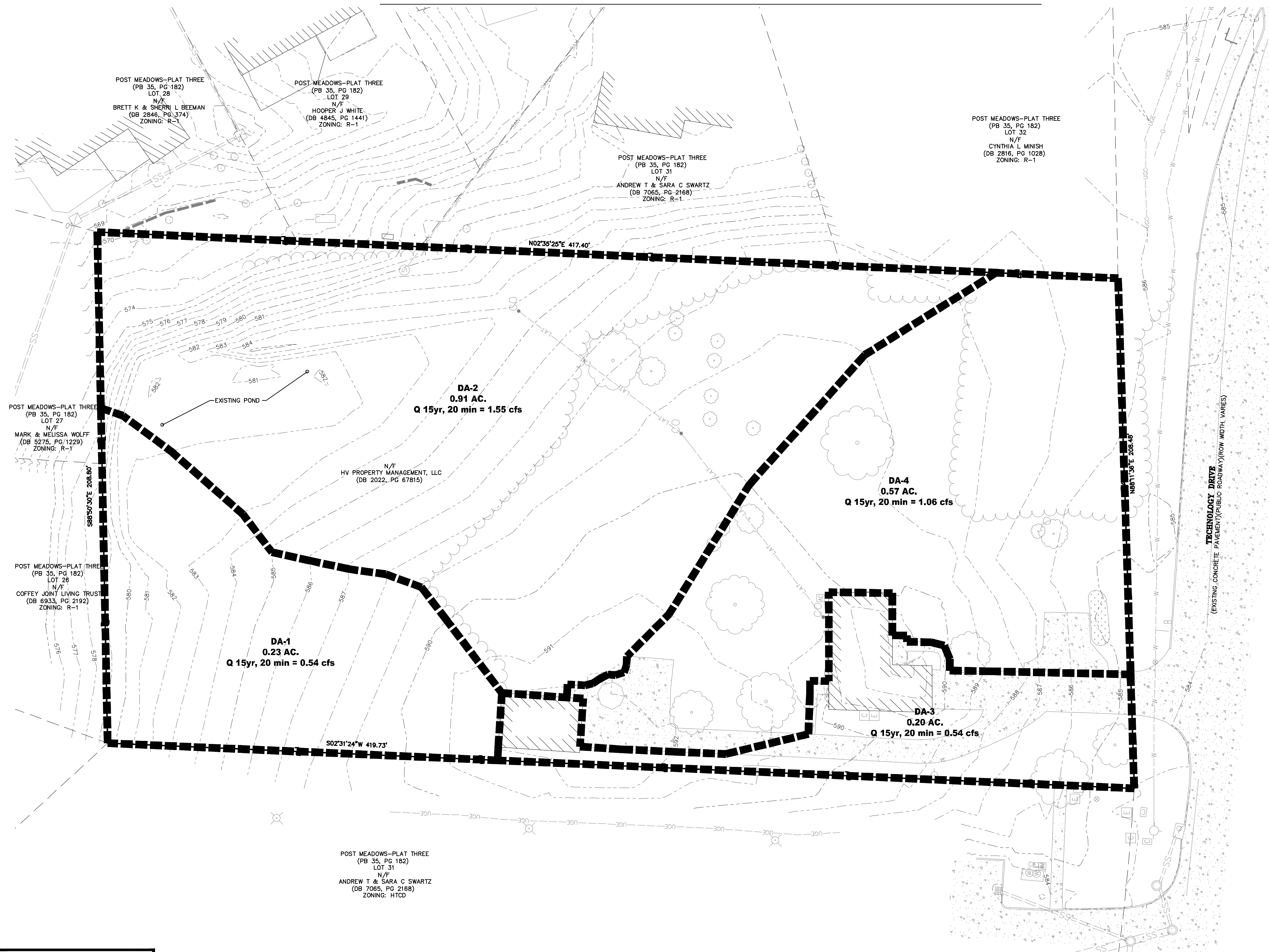



EXISTING DRAINAGE AREA MAP



ALL AREAS PI VALUE OPEN = 1.70 PI VALUE GRAVEL = 3.36 PI VALUE PAVEMENT/BUILDING = 3.54	
DA-01 OPEN = 0.32 ACRES GRAVEL = 0.00 ACRES PAVEMENT/BUILDING = 0.00 ACRES $PI = (0.32 \times 1.70) + (0.00 \times 3.36) + (0.00 \times 3.54) = 0.54$ $Q(15YR, 20MIN) = API = (0.32)(1.70) = 0.54$	DA-02 OPEN = 0.91 ACRES GRAVEL = 0.00 ACRES PAVEMENT/BUILDING = 0.00 ACRES $PI = (0.91 \times 1.70) + (0.00 \times 3.36) + (0.00 \times 3.54) = 1.55$ $Q(15YR, 20MIN) = API = (0.91)(1.70) = 1.55$
DA-03 OPEN = 0.09 ACRES GRAVEL = 0.00 ACRES PAVEMENT/BUILDING = 0.11 ACRES $PI = (0.09 \times 1.70) + (0.00 \times 3.36) + (0.11 \times 3.54) = 0.54$ $Q(15YR, 20MIN) = API = (0.20)(2.71) = 0.54$	DA-04 OPEN = 0.52 ACRES GRAVEL = 0.00 ACRES PAVEMENT/BUILDING = 0.05 ACRES $PI = (0.52 \times 1.70) + (0.00 \times 3.36) + (0.05 \times 3.54) = 1.06$ $Q(15YR, 20MIN) = API = (0.57)(1.86) = 1.06$
TOTAL EXISTING DRAINAGE AREA = 3.69 cfs	

OWNER/DEVELOPER:
 HV PROPERTY MANAGEMENT, LLC
 14010 MANCHESTER RD.
 MANCHESTER, MO 63011


SOLACE HOSPICE CARE



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COCHRAN
 Civil Engineering
 Land Surveying
 Architecture
 Site Development
 General Consulting
 Master Planning

Missouri State Certificate
 of Authority Number: 2010000046
 Cochran Project No. M22-8498



DATE
 Eric S. Kirchner No. E-2001004618
 Registered Professional Engineer
 State of Missouri
 for Cochran Engineering & Surveying

Developer Information
 HV PROPERTY MANAGEMENT, LLC
 14010 MANCHESTER RD, MANCHESTER, MO 63011

Owner Information
 HV PROPERTY MANAGEMENT, LLC
 14010 MANCHESTER RD, MANCHESTER, MO 63011

EXISTING DRAINAGE AREA MAP

P+Z No. 22-008964
 Approval Date: NOV. 3, 2022
 Permit No.

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C11

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