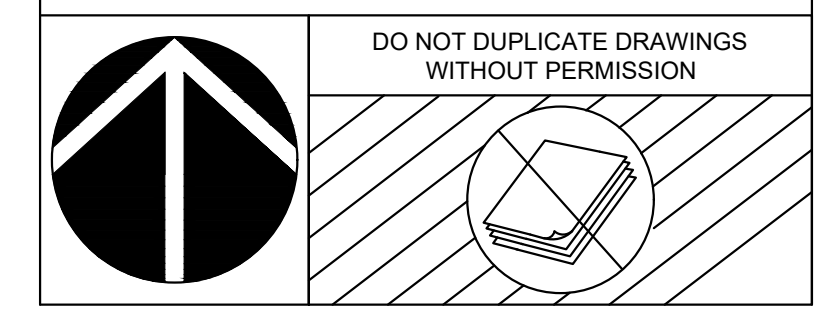


CAUTION

CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PAY FOR SAID SERVICES. CONTRACTOR SHALL REPAIR ALL UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE OWNER/DEVELOPER.

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE SITE DESIGN PROFESSIONAL ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF UTILITIES WITHIN THE LIMITS OF THE WORK. DAMAGE TO EXISTING UTILITIES BY THE CONTRACTOR, FROM HIS/HER OPERATIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPACTION OF BACKFILL OF ALL UTILITY TRENCHES WITHIN SITE WORK LIMITS. THIS INCLUDES TRENCHES DUG AND BACKFILLED BY LOCAL UTILITIES SUCH AS POWER, GAS, TELEPHONE, ETC. CONTRACTOR SHALL PROVIDE ADDITIONAL BACKFILL AND COMPACTION AS NECESSARY, IF SETTLEMENT OCCURS.



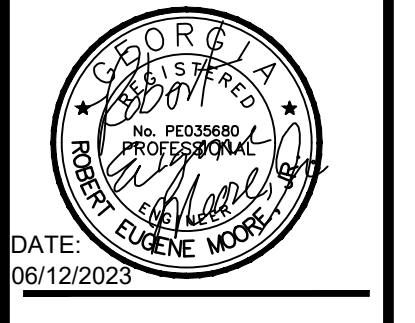
NOTES

- A PERMIT IS REQUIRED FOR ANY UTILITY WORK WITHIN HENRY COUNTY RIGHT-OF-WAY. TO OBTAIN A UTILITY PERMIT FORM GO TO [HTTP://WWW.CO.HENRY.GA.US/DEPARTMENTS/D-L/DOT.ASP](http://www.co.henry.ga.us/departments/d-l/dot.asp) OR CONTACT THE HENRY COUNTY DOT UTILITY COORDINATOR AT 770-288-7823 TO REQUEST THE FORM.
- UTILITY PERMITS ALONG ROADWAYS REQUIRE A SITE PLAN OR SKETCH, AND MUTCD TRAFFIC CONTROL PLAN BE SUBMITTED FOR APPROVAL WITH THE UTILITY PERMIT PACKAGE, AND THE APPROVED TRAFFIC CONTROL PLAN MUST BE ADHERE TO DURING ANY ROADSIDE/ON-SITE WORK.
- IF ANY WORK IS TO BE PERFORMED WITHIN 1,000' OF AN EXISTING TRAFFIC SIGNAL, CONTACT ERIC WALL AT 706-646-7601 AT LEAST (24) HOURS BEFORE EXCAVATION IS SCHEDULED TO OCCUR.
- APPROPRIATE MEASURES MUST BE TAKEN TO PROTECT THE SIGNAL WIRES. WORK AUTHORIZED BY THIS PERMIT MAY NOT BEGIN UNTIL TRAFFIC SIGNAL ACTIVATION WIRES/INTERCONNECT HAVE BEEN LOCATED AND IDENTIFIED, AND ERIC WALL HAS BEEN NOTIFIED.
- ANY TRAFFIC SIGNAL FACILITIES DAMAGED MUST BE REPLACED BY THE UTILITY OWNER TO THE SATISFACTION OF THE FACILITY OWNER.
- PRE-CONSTRUCTION CONFERENCE IS REQUIRED WITH THE HENRY COUNTY WATER AUTHORITY PRIOR TO WATER/SEWER LINE CONSTRUCTION.
- CONTRACTOR FOR THE WATER/SEWER LINE MUST HAVE A STATE APPROVED LICENSE AND BE ON THE APPROVED LIST FOR HENRY COUNTY WATER AUTHORITY.
- A COMPLETED METER APPLICATION ALONG WITH ANY FEES DUE HCWA MUST BE RECEIVED PRIOR TO PRE-CONSTRUCTION CONFERENCE.
- ALL FIRE LINE METERS SHALL BE NEW, SENSUS OR OCTAVE BRAND, AND INSTALLED PER HCWA STANDARDS. (REFER TO HCWA STANDARDS AND SPECIFICATIONS FOR APPROVED MODELS.)
- WATER SERVICE SHALL NOT BE ACTIVATED UNTIL ALL LINES, METERS, AND BACKFLOW PREVENTION DEVICES ARE PRESURE TESTED, DISINFECTED, AND CERTIFIED WITH ALL PUBLIC LINES AND METERS BEING DEEDED OVER TO HCWA. THIS INCLUDES BOTH FIRE AND DOMESTIC WATER SERVICE.

PRIMARY SEPTIC SYSTEM DESIGN

- FLOW DESIGN/SITE SPECIFICATIONS
SOIL TYPE: MASADA/CECIL
PERC RATE, t: 75/60 IN/IN
COMMERCIAL
- RETAIL C-STORE - 3 RESTROOMS @ 400/RESTROOM = 1,200 GPD
FUTURE RETAIL STORE - @ 100/COMMODO OR URINAL = 200 GPD
TOTAL = 1,400 GPD
 $\sqrt{(1)/5} = \sqrt{(60)/5} = 1.55 \text{ S.F.} = 1 \text{ GPD}$
 $1,400 \text{ g} \times 1.55 = 2,170.00 \text{ S.F. (Total)}$
 $2,170.00 \text{ s.f.} / 3' \text{ trench width} = 723.33 \text{ L.F. Total (conventional) trench req'd}$
 $724.00 \text{ L.F.} \times 30\% \text{ reduction} = 217 \text{ L.F. reduction with ARC 36 SYSTEM}$
 $724.00 \text{ L.F.} - 30\% \text{ reduction} = 507 \text{ L.F. ARC 36 SYSTEM}$
- ABSORPTION FIELD DESIGN AREA:
MIN. TRENCH SPACING: 8 FT O.C. X 36" WIDE
- SEPTIC SYSTEM: ARC 36 SYSTEM
- SEE SEPTIC SYSTEM PLAN (THIS SHEET) FOR ABSORPTION FIELD
- MINIMUM PRIMARY TREATMENT TANK:
1- 3,500 GALLON TANK
1- 2,500 DOSING TANK
- PROPOSED FINISHED FLOOR ELEVATION: VARIES (REFER TO GRADING PLAN)
PROPOSED STUB OUT ELEVATION: 2 FEET COVER BELOW FFE
- REFERENCE: GDHR MANUAL FOR ON-SITE SEWAGE MANAGEMENT SYSTEMS
- SOILS DATA PER:
APPLIED ENVIRONMENTAL SCIENCES, INC.
90-F GLENDA TRACE #327
NEWMAN, GA 30265
(678) 262-4020
(RESERVE SYSTEM)
SOIL TYPE: MASADA
PERC RATE, t: 75 IN/IN
 $\sqrt{(1)/5} = \sqrt{(75)/5} = 1.73 \text{ S.F.} = 1 \text{ GPD}$
 $1,400 \text{ G} \times 1.73 = 2,422 \text{ S.F.}$
 $2,422 \text{ s.f.} / 3' \text{ trench width} = 807.33 \text{ L.F. Total (conventional) trench req'd}$
ALL COMPONENTS SHALL BE RATED FOR COMMERCIAL USE

MOORE CIVIL
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ROBERT@MOORECIVIL.COM
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24 HOUR CONTACT
MEHULKUMAR GAJJAR
404-483-2157

CLIENT:
HANSA PATEL
908 DONAGAL DR
LOCUST GROVE, GA, 30248
404-483-2157

REVISIONS:

DATE	DESCRIPTION
6/21/22	GRADING PLAN
10/21/22	1st LDP SUBMITTAL
10/21/22	1ST GDOT SUBMITTAL
01/30/2023	NEW LAYOUT
02/21/2023	NEW LAYOUT
05/09/2023	2nd LDP SUBMITTAL
05/09/2023	2nd GDOT SUBMITTAL
12/19/2023	3rd GDOT SUBMITTAL
12/19/2023	3rd LDP SUBMITTAL
03/05/2023	4th LDP SUBMITTAL
03/05/2023	3rd GDOT SUBMITTAL
04/24/2024	6TH GDOT SUBMITTAL
05/21/2024	7TH GDOT SUBMITTAL
12/12/2024	8TH GDOT SUBMITTAL
03/06/2025	5TH LDP SUBMITTAL
07/03/2025	6TH LDP SUBMITTAL

HWY 81 C-STORE
HWY 81
HAMPTON, GA 30228

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
C.500