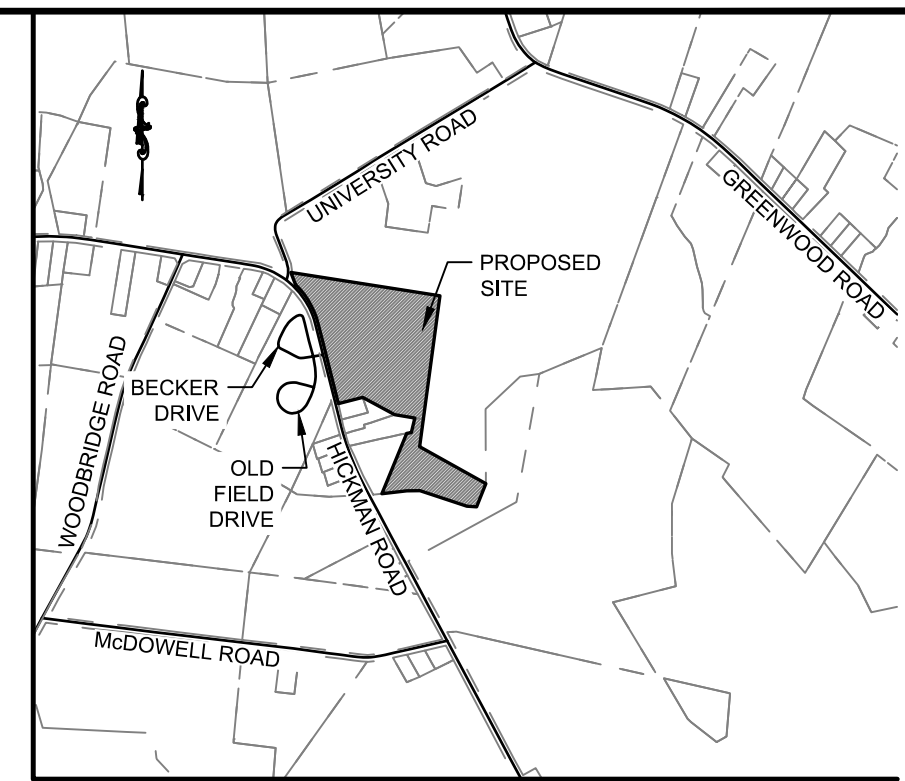


COUNTRY REST HOME, INC.

WASTEWATER DISPOSAL & WWTP
AS-BUILT PLANS



LOCATION MAP

SCALE: 1" = 2,000'

LEGEND

EXISTING	PROPOSED
PROPERTY LINE / RIGHT OF WAY	
ADJOINING PROPERTY LINE	
BUILDING RESTRICTION LINE	
EASEMENT	
CENTER LINE OF ROAD	
EDGE OF PAVING	
CURB	
DRIVEWAY	
CONTOURS	
WETLANDS LINE AND FLAG	
FLOODPLAIN	
SOILS/DESIGNATION	
SOIL BORING	
FENCE	
SIDEWALK	
CRUSHED STONE WALKING PATH	
STRUCTURE	
UTILITY POLE/GUY WIRE	
OVERHEAD ELECTRIC	
CABLE TV, PEDESTAL	
TRAFFIC SIGN	
STREET LIGHT	
STORM DRAIN AND INLETS	
WATER MAIN, FIRE HYDRANT, & VALVE	
SEWER MAIN, MANHOLE, & CLEANOUT	
SANITARY SEWER FORCEMAIN	
TREATED WASTEWATER APPLICATION AREA	
SWALE	



SITE OVERVIEW

SCALE: 1" = 200'

PERMITTING NOTES

DESIGN FLOW:	13,500 GALLONS PER DAY
TREATMENT REQUIREMENTS	
NITROGEN:	PSN2
BIOCHEMICAL OXYGEN DEMAND (BOD)	30 MG/L
TOTAL SUSPENDED SOLIDS (TSS)	30 MG/L
TREATMENT PLANT TYPE:	MOVING BED BIOFILM REACTOR
DISPOSAL SYSTEM TYPE:	SUBSURFACE MICRO IRRIGATION
AVERAGE PERCOLATION RATE:	44 MPI (0.1818 GPD / SF)

PLAN NOTES:

- THE COLOR RED ON THIS PLAN INDICATES AS-BUILT INFORMATION.
 - COUNTRY REST HOME, INC. IS RESPONSIBLE FOR THE MAINTENANCE OF THE WASTEWATER TREATMENT AND DISPOSAL FACILITIES:
- CONTACT: MARK YODER, JR.
ADDRESS: 12046 SUNSET LANE
GREENWOOD, DE 19950
TELEPHONE: (302) 349-4114
- SITE ADDRESS: ADJ. TO 8217 PURTYBIRD LN
GREENWOOD, DE 19950
- THE WASTEWATER TREATMENT & DISPOSAL SYSTEM AS-BUILT INFORMATION WAS COLLECTED BY SITEWORKS ENGINEERING, LLC DURING AUGUST 2023.

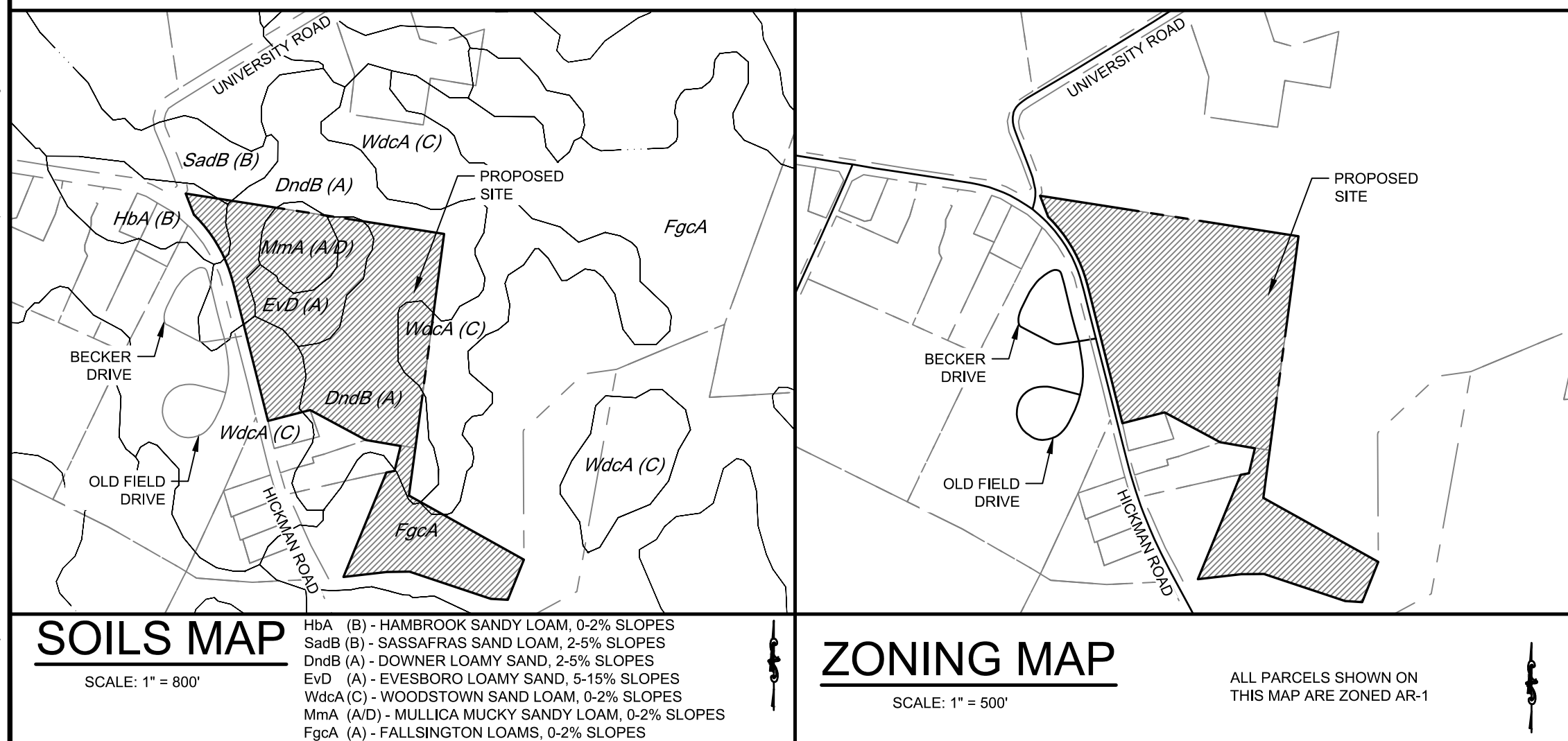
PROJECT TEAM

OWNER/DEVELOPER
COUNTRY REST HOME, INC.
12046 SUNSET LANE
GREENWOOD, DE 19950
(302) 349-4114

CLASS C SEPTIC DESIGNER
SITWORKS ENGINEERING, LLC.
39 COMMERCE STREET
HARRINGTON, DE 19952
(302) 841-7901

INDEX OF DRAWINGS

Sheet Number	Sheet Title
1	TITLE SHEET AS-BUILT
2	KEY SHEET AS-BUILT PLAN
3	TREATED WASTEWATER DISPOSAL AS-BUILT PLAN
4	TREATED WASTEWATER DISPOSAL AS-BUILT PLAN
5	WWTP SITE PLAN AS-BUILT
6	WASTEWATER TREATMENT BUILDING AS-BUILT



**CALL Miss Utility of Delmarva
BEFORE YOU DIG
800-282-8555 or 811**

ENGINEER'S CERTIFICATION

IT IS HEREBY CERTIFIED THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF DELAWARE, THAT THE INFORMATION SHOWN HEREON HAS BEEN PREPARED UNDER MY SUPERVISION, AND TO MY BEST KNOWLEDGE AND BELIEF REPRESENTS GOOD ENGINEERING PRACTICES AS REQUIRED BY THE APPLICABLE LAWS OF THE STATE OF DELAWARE.


David M. Heatwole, P.E.

DAVID M. HEATWOLE, P.E.
39 COMMERCE STREET
HARRINGTON, DE 19952
DE LICENSE NO. #17760 | DNREC CLASS C LICENSE # 5878

DATE _____

SITEWORKS
ENGINEERING LLC
PO BOX 2139 COMMERCE ST. HARRINGTON, DE 19552 Phone: (302) 841-7901

.....

**GREENWOOD LIFE COMMUNITY
ON-SITE WASTEWATER DISPOSAL PLANS
NORTHWEST FORK HUNDRED, SUSSEX COUNTY, DE**

3/25 - AS-BUILT PLANS

SCALE	PROJECT #	DRAWN BY
NOTED	CHRE1901	DMH
DRAWING NUMBER		

1



ADJACENT PARCEL TABLE

LABEL	LOCATION	ZONING	PARCEL NUMBER	LAND USE	NOW OR FORMALLY
A-1	SUSSEX COUNTY	AR-1	530-4.00-21.00	AGRICULTURAL EASEMETN	JOE C & TONI JOHNSON
A-2	SUSSEX COUNTY	AR-1	530-9.00-6.00	AGRICULTURAL	JOHN M & JEAN E O'BIER
A-3	SUSSEX COUNTY	AR-1	530-9.00-5.00	AGRICULTURAL	MATTHEW GREENLEE
A-4	SUSSEX COUNTY	AR-1	530-9.00-4.01	RESIDENTIAL	OSCAR R & CHARLOTTE R DURON
A-5	SUSSEX COUNTY	AR-1	530-9.00-4.02	RESIDENTIAL	CHARLES D & AMY SCHLABACH
A-6	SUSSEX COUNTY	AR-1	530-9.00-4.03	RESIDENTIAL	CHARLES D & AMY SCHLABACH
A-7	SUSSEX COUNTY	AR-1	530-9.00-6.03	SALVAGE YARD	BILLY WARREN & SON LLC
A-8	SUSSEX COUNTY	AR-1	530-9.00-3.01	RESIDENTIAL	PHILIP K & MICHELLE N BIGGS
A-9	SUSSEX COUNTY	AR-1	530-9.00-3.02	RESIDENTIAL	SANDRA SMITH
A10	SUSSEX COUNTY	AR-1	530-9.00-3.03	RESIDENTIAL	JOANN R & FRANCISCO SHERWOOD-ALLEN
A11	SUSSEX COUNTY	AR-1	530-9.00-3.04	RESIDENTIAL	DAWN L TROYER & LESTER TROYER JR
A12	SUSSEX COUNTY	AR-1	530-9.00-3.05	RESIDENTIAL	JACQUELINE M BEHR
A13	SUSSEX COUNTY	AR-1	530-9.00-3.00	RESIDENTIAL	GREENWOOD COUNTRY RETIREMENT, INC.

WASTEWATER DISPOSAL DATA - AS-BUILT

APPLICATION AREA	ZONE	AREA (SF)	FLOW / DAY (GAL)
Area 1	1	10,480	1,905
	2	10,325	1,877
	3	5,225	950
	4A	7,745	1,408
	4B	4,925	895
	5A	3,895	672
	5B	7,545	1,372
Area 2	6	5,625	1,023
	SUB TOTAL		55,565
	7	5,330	969
	8A	3,530	642
Area 3	8B	3,960	720
	SUB TOTAL		12,820
SUB TOTAL		0	0
TOTAL		68,385	12,432

WELL DATA TABLE

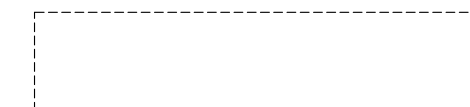
Well ID	MW-A	MW-B	MW-C	MW-1D	MW-2D	MW-3D	MW-4D
Well Number	266446	266447	266448	263298	263298	263300	263302
Well Northing	298626.9	299705.7	299655.6	299519.9	299418.7	299153.6	298851.5
Well Easting	598452.3	598210.9	599211.9	598013.1	598759.7	598441.3	598723.3
Bottom of Screen Elev.	41.40	39.10	43.20	44.50	41.00	40.10	44.40
Top of Casing	61.44	62.13	66.16	67.51	68.93	68.08	67.37
Ground Elevation	58.44	59.13	63.16	64.51	65.98	65.08	64.37
Length of Stick Up	3.00	3.00	3.00	3.00	2.95	3.00	3.00

SPARE DISPOSAL DATA

SPARE AREA	ZONE	AREA (SF)
Area 1	S1	9,104
	S2	10,049
	S3	10,486
	S4	6,592
	S5	6,643
	S6	4,176
	S7	8,152
	SUB TOTAL	55,202
Area 2	S8	3,185
	S9	1,519
	S10	2,770
	S11	5,368
	SUB TOTAL	12,842
Area 3	S12	3,292
	S13	4,212
	SUB TOTAL	7,505
TOTAL		75,549

WASTEWATER DISPOSAL LEGEND

APPROVED DISPOSAL AREA



MONITORING WELL / ADJ. PROP WELL AND PERMIT NUMBER

#184820

DISPOSAL ZONE AND IDENTIFIER

7

SPARE DISPOSAL AREA

S7

DRIP IRRIGATION SUPPLY LINE

24v ZONE VALVE SHUT-OFF VALVE

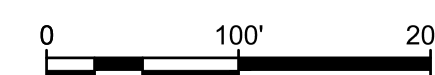
DRIP IRRIGATION RETURN LINE

AIR RELEASE VALVE CHECK VALVE

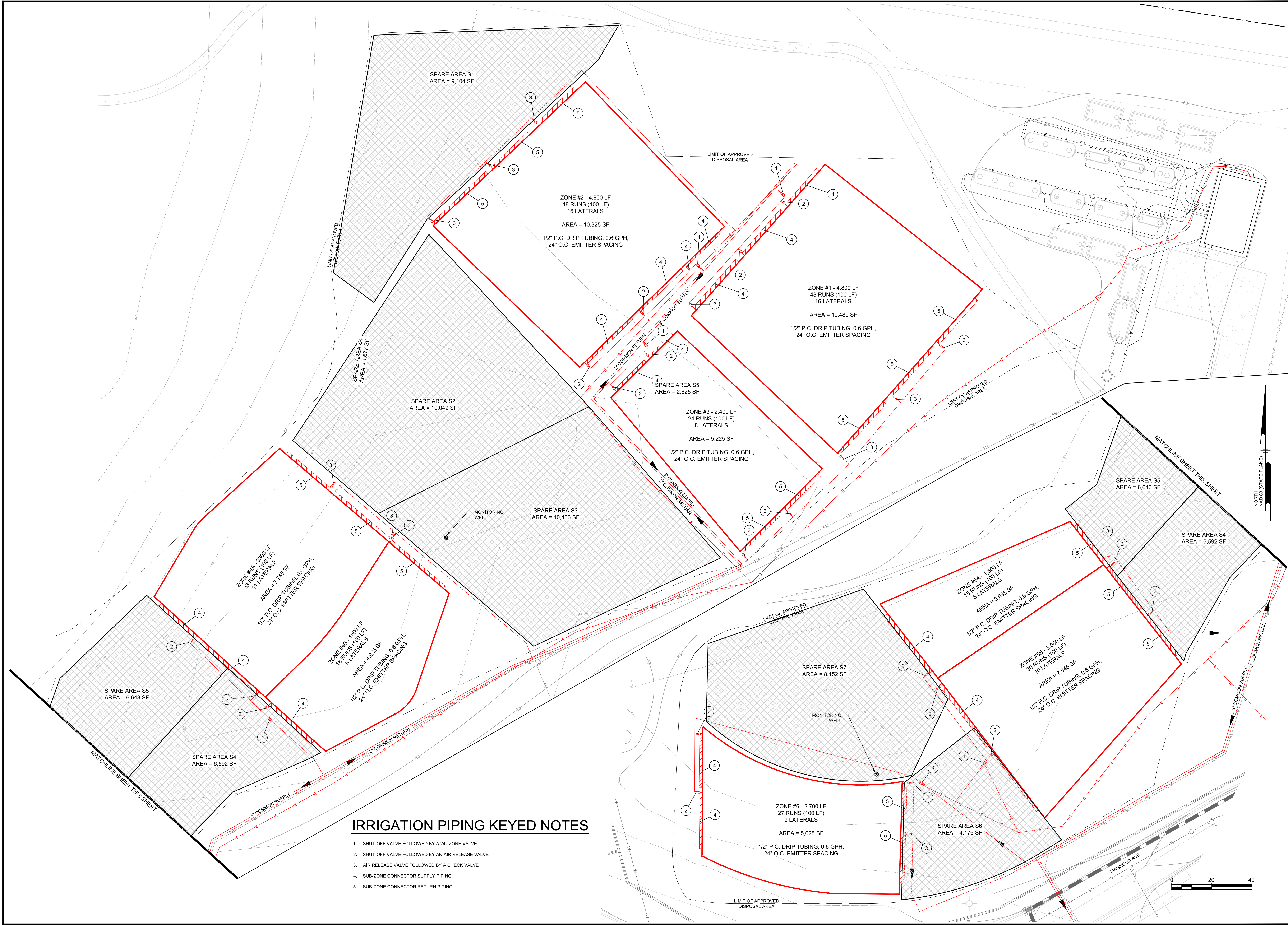
DRIP IRRIGATION LATERAL LATERAL

AS-BUILT ZONE AND IDENTIFIER

7



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IRRIGATION PIPING KEYED NOTES

1. SHUT-OFF VALVE FOLLOWED BY A 24" ZONE VALVE
2. SHUT-OFF VALVE FOLLOWED BY AN AIR RELEASE VALVE
3. AIR RELEASE VALVE FOLLOWED BY A CHECK VALVE
4. SUB-ZONE CONNECTOR SUPPLY PIPING
5. SUB-ZONE CONNECTOR RETURN PIPING



SITEWORKS
ENGINEERING LLC

PO BOX 2139 COMMERCE ST. HARRINGTON, DE 19522 Phone: (302) 841-7901

TREATED WASTEWATER DISPOSAL AS-BUILT PLAN

GREENWOOD LIFE COMMUNITY ON-SITE WASTEWATER DISPOSAL PLANS

NORTHWEST FORK HUNDRED, SUSSEX COUNTY, DE

ISSUE / REVISION BLOCK
6/24/25 - ONE YEAR PERMIT COMMENTS

SCALE PROJECT # DRAWN BY
1" = 20' CHRE1901 DMH
DRAWING NUMBER

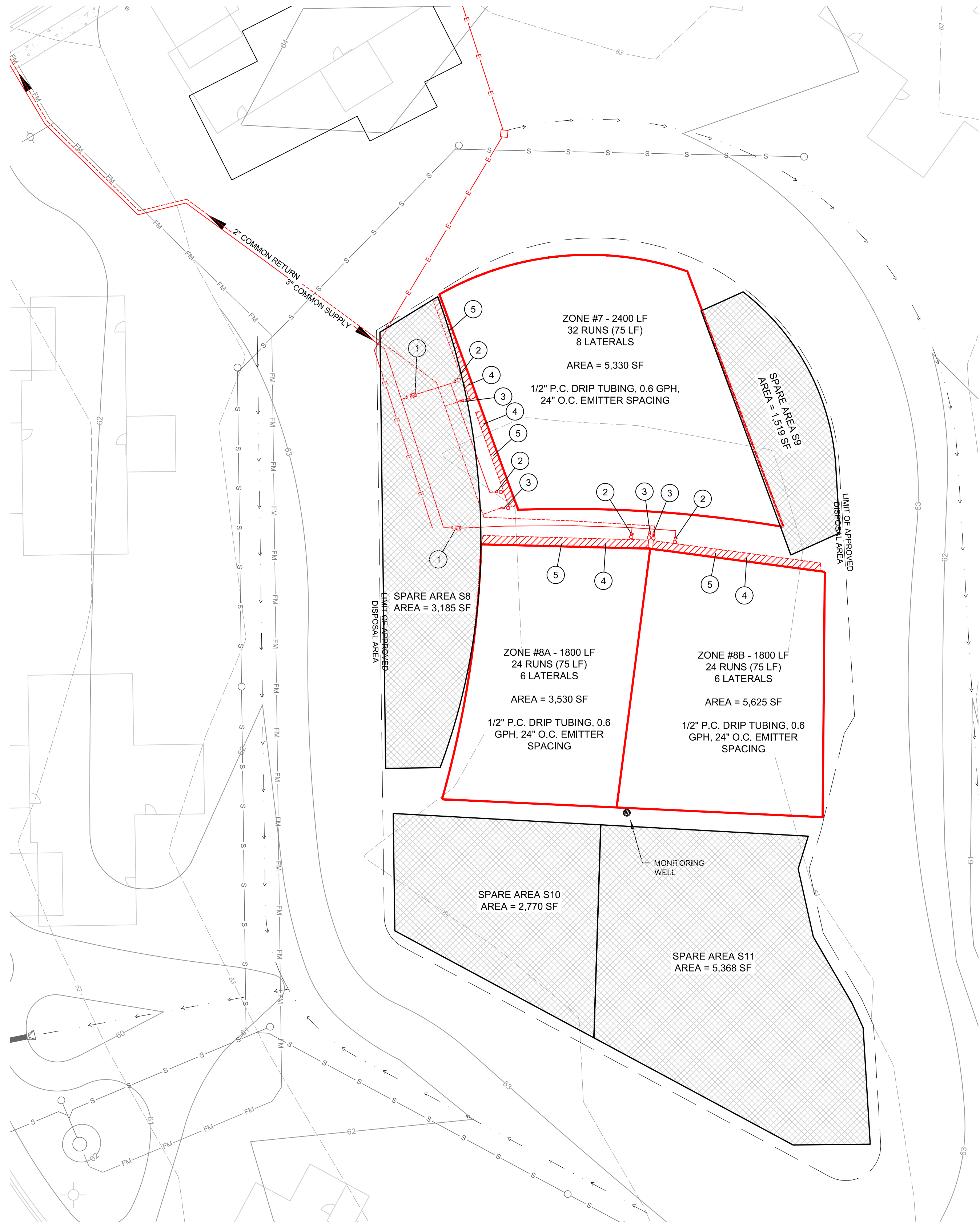
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AREA 3 DRIP IRRIGATION PLAN

SCALE: 1" = 20'

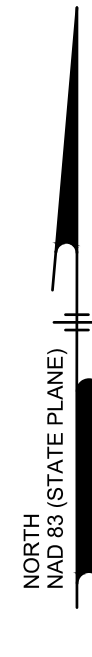
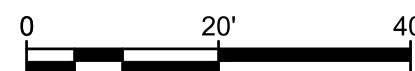


AREA 2 DRIP IRRIGATION PLAN

SCALE: 1" = 20'

IRRIGATION PIPING KEYED NOTES

1. SHUT-OFF VALVE FOLLOWED BY A 24v ZONE VALVE
2. SHUT-OFF VALVE FOLLOWED BY AN AIR RELEASE VALVE
3. AIR RELEASE VALVE FOLLOWED BY A CHECK VALVE
4. 3/4" P.C. DRIP TUBING, 0.6 GPH, 24" O.C. EMITTER SPACING
5. 2" SUB-ZONE CONNECTOR
6. 1.5" SUB-ZONE CONNECTOR



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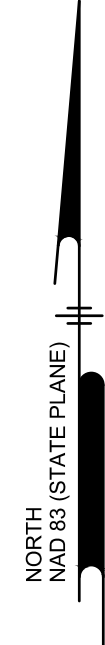
GREENWOOD LIFE COMMUNITY
ON-SITE WASTEWATER DISPOSAL PLANS
NORTHWEST FORK HUNDRED, SUSSEX COUNTY, DE

ISSUE / REVISION BLOCK
2/24/25 - DESIGN 1901 - WASTE WATER DISPOSAL AS-BUILT
PERMIT COMMENTS

SCALE	PROJECT #	DRAWN BY
1" = 20'	CHRE1901	DMH
DRAWING NUMBER		

4

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LEGEND

- 4" SCH 40 PVC GRAVITY SEWER PIPE
2" SCH 40 PVC PRESSURE PIPE
ELECTRIC CONDUIT & PULL BOX

TANKS

- EQ TANK
- ECOPROCESS™ MBBR ANOXIC - STEP 1
- MBBR AEROBIC - STEP 1
- MBBR AEROBIC - STEP 2
- RECIRCULATION TANK 1
- MBBR ANOXIC - STEP 2
- MBBR AEROBIC - STEP 3
- RECIRCULATION TANK 2
- SECONDARY CLARIFIER



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WWTP SITE PLAN AS-BUILT

GREENWOOD LIFE COMMUNITY ON-SITE WASTEWATER DISPOSAL PLANS NORTHWEST FORK HUNDRED, SUSSEX COUNTY, DE

ISSUE / REVISION BLOCK
12/13/25 - AS-BUILT PLANS

SCALE	PROJECT #	DRAWN BY
1" = 10'	CHRE1901	DMH

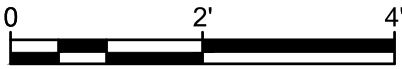
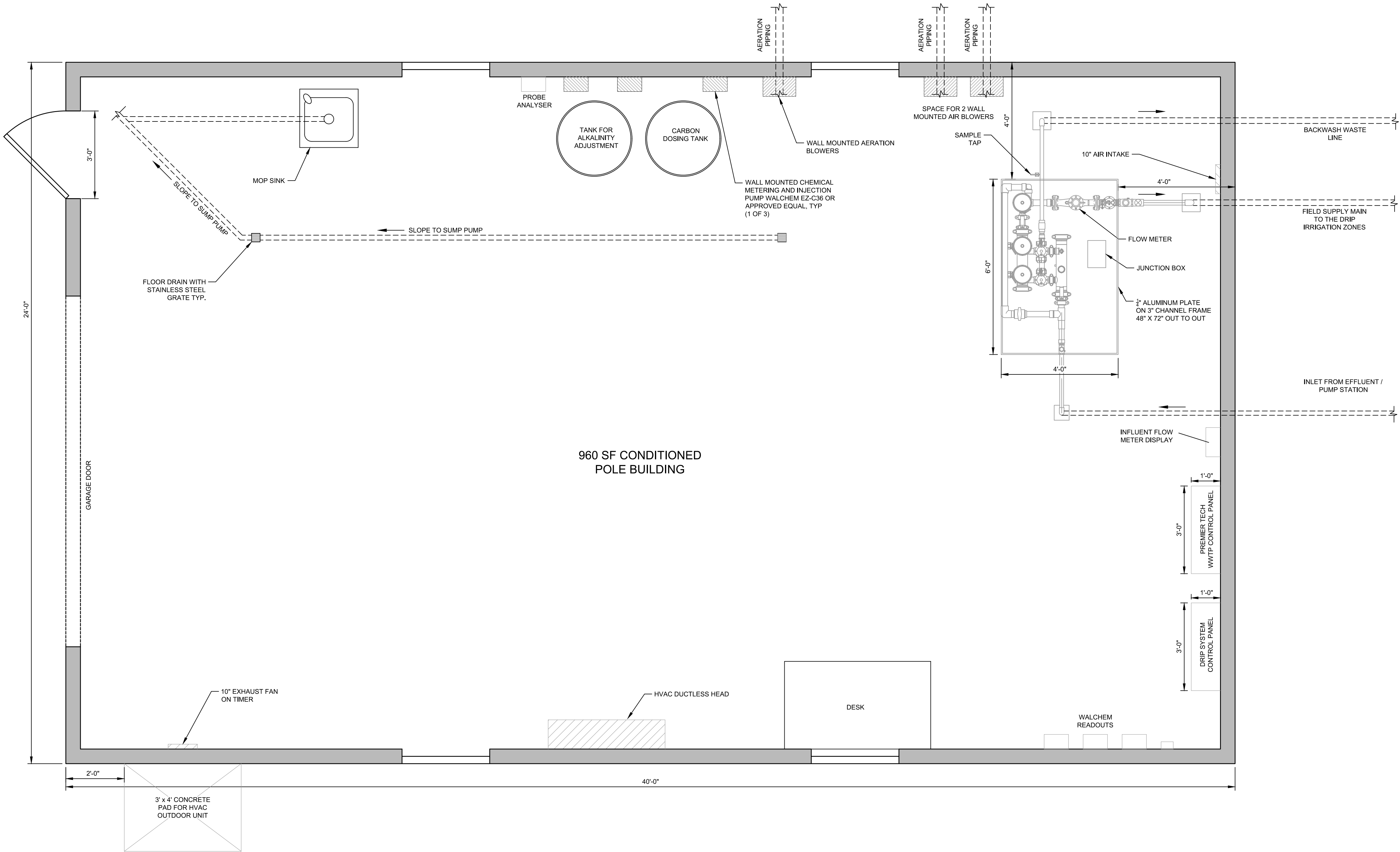
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WASTEWATER TREATMENT BUILDING AS-BUILT

**GREENWOOD LIFE COMMUNITY
ON-SITE WASTEWATER DISPOSAL PLANS
NORTHWEST FORK HUNDRED, SUSSEX COUNTY, DE**

ISSUE / REVISION BLOCK
12/13/25 - AS-BUILT PLANS

SCALE PROJECT # DRAWN BY
1/2" = 1' CHRE1901 DMH

DRAWING NUMBER

6