

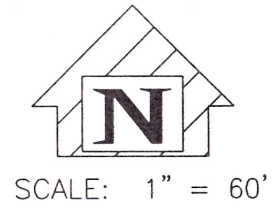
MUST HAVE OPEN GRASSY AREA IN SPRAY FIELD. REMOVE SMALL TREES AND UNDERBRUSH. SPRAY HEAD MUST BE >10' FROM TREE TRUNK

- 1000 GAL. PUMP TANK
- 1000 GAL. TREATMENT PLANT
- 1000 GAL. PRETREAT TANK

SOIL EVALUATION		SIZING SPECIFICATIONS	
BORE HOLE 1 & 2 ARE THE SAME		LOW FLOW FIXTURES REQUIRED	YES
0-24"	SANDY LOAM TAN W/ORANGE STREAKS	APPLICATION RATE	0.045
24-48"	CLAY LOAM TAN/ORANGE/GRAY	TOTAL GAL. PER DAY	540 =
<30% GRAVEL ~ SEASONAL WATER TABLE @ 18"		<3500 SQ FT 4 BR RES.	= 300 GPD
SITE EVALUATION		2 BR APARTMENT	= 200 GPD
SLOPE	< 6%	RV	= 40 GPD
PROPERTY SIZE	~2.32 ACRES	* (SEE TABLE III) *	
IMPROVEMENTS ON PROPERTY	SPRAY SYSTEM	SPRAY AREA REQUIRED	12,000 SQ FT. = (540 GPD/0.045)
STORM DRAINAGE TYPE	OPEN ROAD DITCH, ADEQUATE	SPRAY AREA SHOWN	12,891 SQ FT
SEASONAL WATER TABLE	YES	SYSTEM DESIGNED FOR MAX. OF 540 GAL./DAY	
FLORA	WOODED		
FLOOD PLAIN	NO		
WATER SUPPLY	COMMUNITY		

SPECIFICATIONS		EQUIPMENT LISTING	
LOW FLOW FIXTURES REQUIRED	YES	PRETREATMENT TANK	1000 GAL.
GRASS COVERED	YES (SEED OR SOD) OWNER'S RESPONSIBILITY	CLEARSTREAM (CS) TREATMENT PLANT	1000N OR EQUAL
"OFF" FLOAT SETTING	3" ABOVE THE PUMP IN TAKE	PUMP TANK	1000 GAL.
"ALARM" FLOAT SETTING	770 GAL. ABOVE BOTTOM OF PUMP CHAMBER	SINGLE STACKED CHLORINATOR	
PIPING	PVC SCH 40 1 1/2" TRUNKLINE AND 3/4" PER SINGLE HEAD	PUMP	SIMPLEX CS P-20
		CONTROL PANEL WITH CS TX PANEL W/ TIMER TO DISCHARGE BETWEEN HOURS OF 12 AM AND 5 AM.	
		FREEZE DRAIN PLUGS	OPTIONAL
		SPRINKLER HEADS	K-RAIN LOW ANGLE OR EQUAL (POP-UPS OR STAKE-MOUNTED)

- NOTES:
- LOCATION OF SPRAY HEADS MAY BE ADJUSTED, BUT MUST MEET MINIMUM SPRAY AREA REQUIREMENTS OF 12,000 SQ FT. HEADS SPRAYING TOWARDS TREES MUST BE >10'.
 - SPRAY SYSTEM SUITABLE FOR MAXIMUM OF 540 GAL./DAY.
 - ALL TANKS MUST MEET THE ASTM 1227-00 STANDARDS.
 - LANDSCAPING SEED OR SOD FIELD AREA. (I.E. ST. AUGUSTINE OR EQUAL IN SUMMER AND WINTER RYE, CLOVER OR EQUAL IN WINTER TO PROVIDE COVERAGE YEAR ROUND). NO BERMUDA GRASS.
 - ALL SYSTEM COMPONENTS MUST BE >10' FROM WATER LINE EXCEPT AT CONNECTION AT BUILDING OR SLEEVED.



INDEX TO DRAWINGS	
SHEET	DESCRIPTION
1	SITE PLAN
2	CONSTRUCTION DETAILS

LEGAL DESCRIPTION: 2.32 ACRES IN ROBINWOOD ESTATES (U/R). LOT 9B - WALLER COUNTY, TEXAS.



CARDWELL RESIDENCE
 30518 ROBINWOOD DRIVE
 WALLER, TEXAS 77484

ON-SITE WASTEWATER SYSTEM ~ SPRAY
 SITE PLAN

OCT. 2020 JOB NO. 5070 DRAWING NO. 5070-1

JENNIFER MEINERS REGISTERED SANITARIAN
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 SHEET NO. 1 OF 2