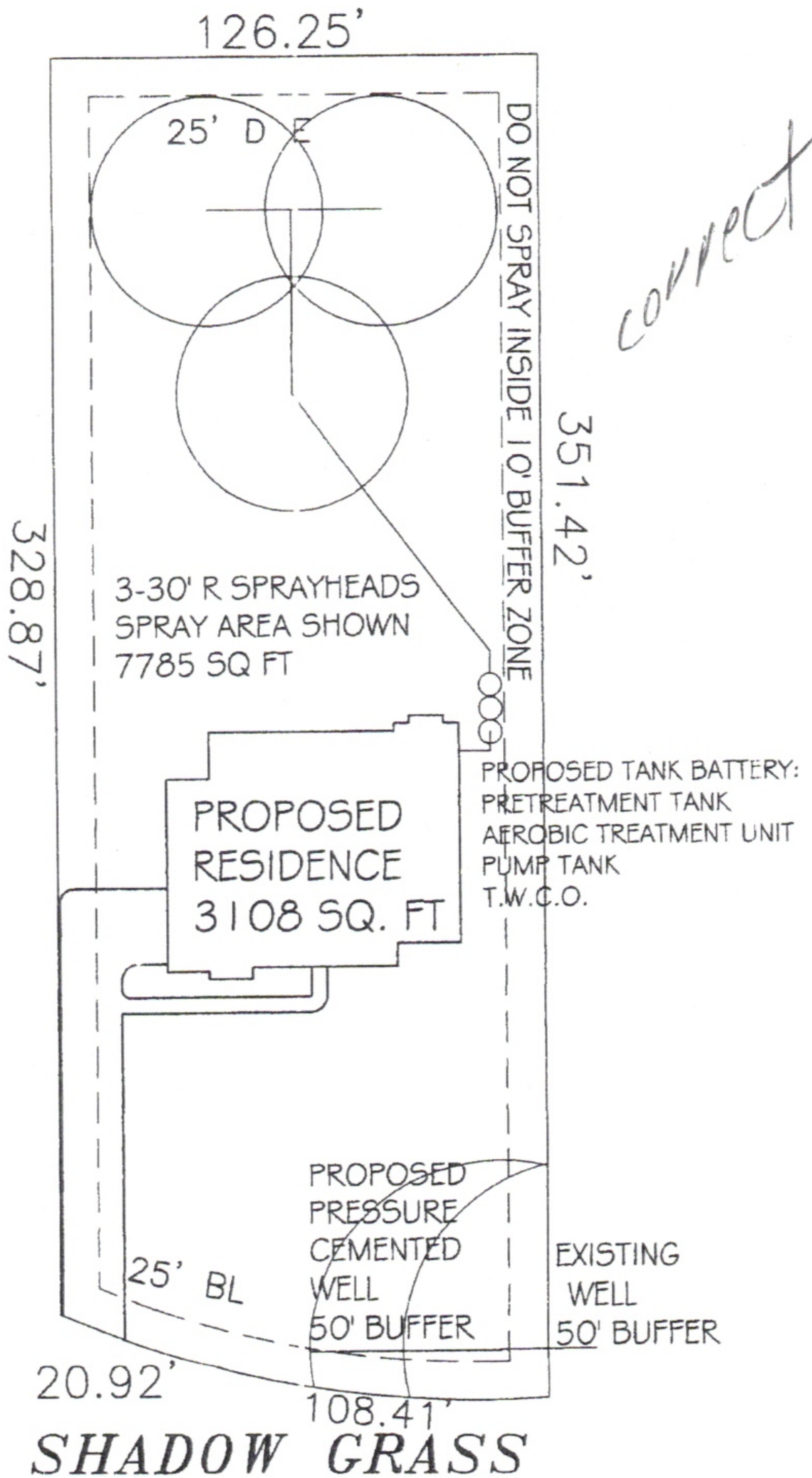
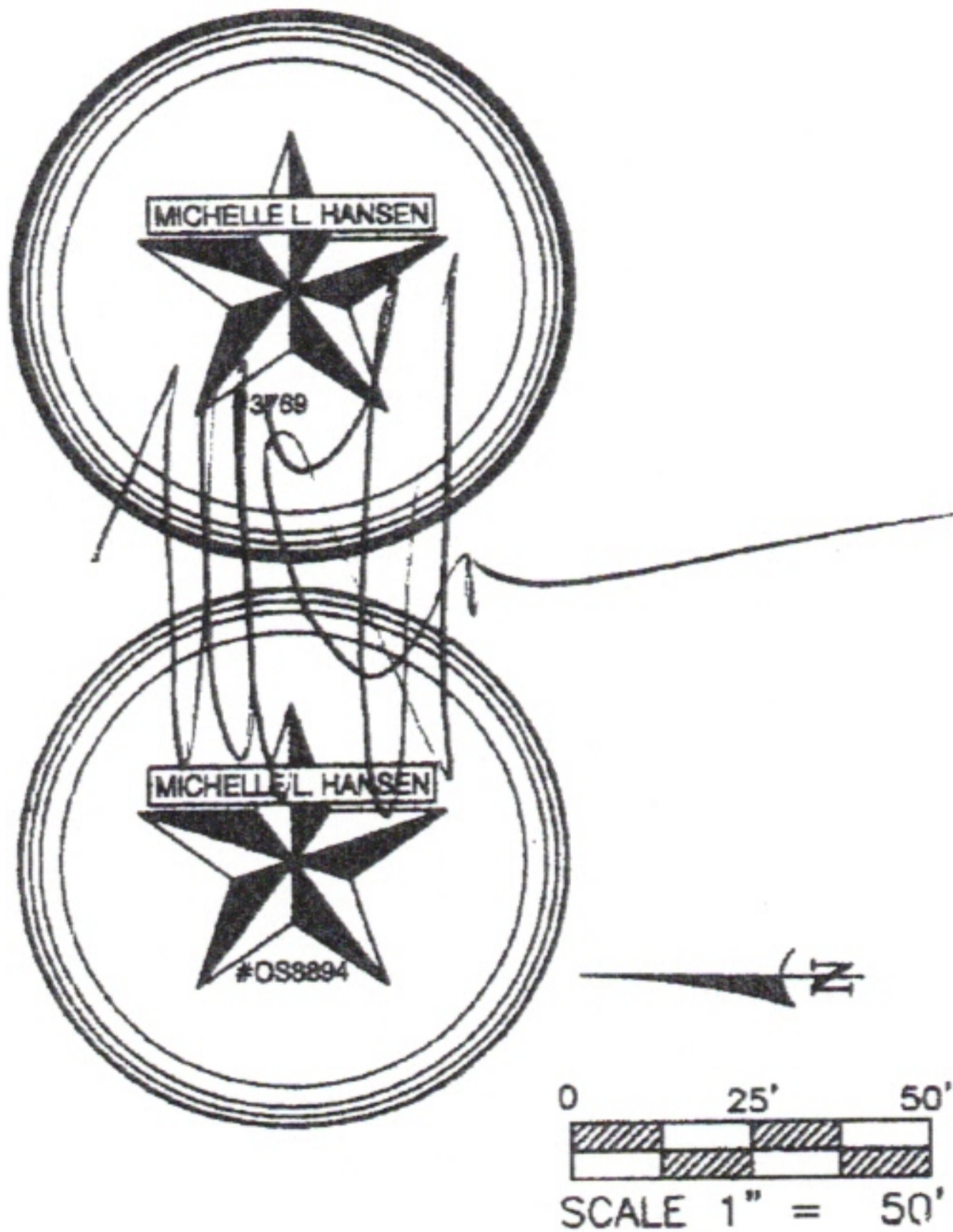


**HFF PRODUCTIONS**  
 27441 WIGWAM TRAIL  
 HOCKLEY, TX. 77447  
 281-384-3976

DESIGN TECH HOMES  
 GARCIA RESIDENCE  
 4630 SHADOW GRASS DR

COUNTY:	HARRIS
ACREAGE:	1
SUBDIVISION:	KATY LAKE ESTATES
SECTION:	3
LOT:	10
BLOCK:	3
BEDROOMS:	4
LIVING AREA:	3108

DATE:	3-20-08
DRAWN BY:	MLH
DESIGNED BY:	MLH
SCALE:	AS NOTED
TOTAL GPD:	300
APPLICATION RATE:	.041
REQUIRED SPRAY AREA:	7317
PROVIDED SPRAY AREA:	7785



PROPERTY IN THE FLOOD PLAIN:  
 PRE-TREATMENT TANK  
 ALL ELECTRICAL & CONTROL PANELS MUST BE ELEVATED AT LEAST 18"  
 ABOVE(BFE) OR FINISHED SLAB.  
 TANKS MUST BE SECURED SO THEY DO NOT FLOAT DURING FLOODING

PROPOSED ON-SITE SEWAGE FACILITY	
<b>EQUIPMENT SPECIFICATIONS</b>	
PRE-TREATMENT TANK:	500 GALLON - PRE-CAST CONCRETE
AEROBIC TREATMENT UNIT:	600 GALLON - AK50096SC OR EQUAL
PUMP TANK:	750 GALLON - PRE-CAST CONCRETE
SPRAYHEADS:	RAINBIRD - 30' RADIUS - R50LA OR EQUAL
<b>TANK NOTES</b>	
1. ALL EXISTING SEPTIC TANKS TO BE ABANDONNED	
2. TANKS NOT BUILT FOR TRAFFIC BEARING LOADS	
3. TANKS INSTALLED IN LINE ON 90° OFFSETS	
<b>MISCELLANEOUS NOTES</b>	
1. MAINTAIN ALL BUFFER ZONES SHOWN ON DRAWING	
2. PRIVATE WATER WELL MUST BE A MINIMUM OF 50 FT. FROM SEPTIC TANKS AND 100FT. FROM SPRAY FIELD UNLESS IT IS PRESSURE CEMENTED. THEN IT MUST BE 50 FT. FROM SEPTIC TANKS AND SPRAY FIELD.	
<b>BUFFER ZONE NOTES</b>	
- SEPTIC TANKS MUST BE AT LEAST 10 FT. FROM.	
- ANY EASEMENT NOT SHOWN ON DRAWING.	
- 5' FROM ANY SLAB.	

GENERAL NOTES:	
1. AN ON-SITE SEWAGE LICENSE MUST BE OBTAINED PRIOR TO INSTALLING THIS WASTEWATER DISPOSAL SYSTEM.	
2. SYSTEM INSTALLATION MUST BE BY A REGISTERED INSTALLER OF ON-SITE SEWAGE FACILITIES AS REQUIRED BY ARTICLE 4477-7E OF VERNONS CIVIL STATUTES OR BY THE OWNER OF THE PROPERTY UNDER LISENCE. NO COMPONENT OF THIS SYSTEM SHALL BE COVERED UP WITHOUT COUNTY'S APPROVAL.	
3. IF ANY DISCREPANCIES EXIST BETWEEN THIS DESIGN AND ACTUAL FIELD CONDITIONS IT IS THE INSTALLER'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE ENGINEER AND THE JURISDICTION PRIOR TO BEGINNING OF CONSTRUCTION.	
4. ALL CONSTRUCTION METHODS AND MATERIALS MUST BE IN ACCORDANCE WITH COUNTY AND STATE RULES AND POLICIES, UNLESS SPECIFICALLY NOTED ON THESE DRAWINGS AND ARE APPROVED BY THE JURISDICTION.	
5. SITE SHALL BE CAREFULLY FINISH GRADED AFTER CONSTRUCTION OF SYSTEM IS COMPLETED, TO PROVIDE ADEQUATE STORM WATER DRAINAGE. ABSORPTION AREA SHALL BE CROWNED. DRAINAGE SWALES SHALL BE CONSTRUCTED TO ADEQUATELY CONVEY STORM WATER DRAINAGE AWAY FROM ABSORPTION AREA.	
6. HIS SYSTEM INSTALLED AND OPERATED IN ACCORDANCE WITH THIS PLAN SHALL NOT PRESENT A HAZARD TO PUBLIC HEALTH, OR THREATEN PROPOSED OR ADJACENT WATER WELLS.	
7. THERE SHALL BE AT LEAST ONE DAY OF DRY STORAGE VOLUME OF ONE-THIRD THE DAILY FLOW BETWEEN THE ALARM-ON LEVEL AND THE INLET TO THE PUMP TANK.	
8. ALL COMPONENTS OF THE SYSTEM MUST BE INSTALLED 10 FT FROM WATERLINES, ACCEPT AT BUILDING CONNECTION WATERLINE CROSSING MUST BE CONSTRUCTED IN ACCORDANCE WITH 30 TAC 290, 44(e)	
9. PUMP TANK FLOAT ELEVATIONS MUST BE SET IN COMPLIANCE WITH 30 TAC 285.33(d)(2)(G)(ii)(1)	
10. SPRAY HEADS TO BE NO CLOSER THAN 10' FROM TREES OR OTHER OBSTRUCTIONS THAT INTERFERE WITH SPRAY PATTERN.	
11. TIMER MUST BE SET TO DISCHARGE BETWEEN THE HOURS OF MIDNIGHT AND 5 am.	