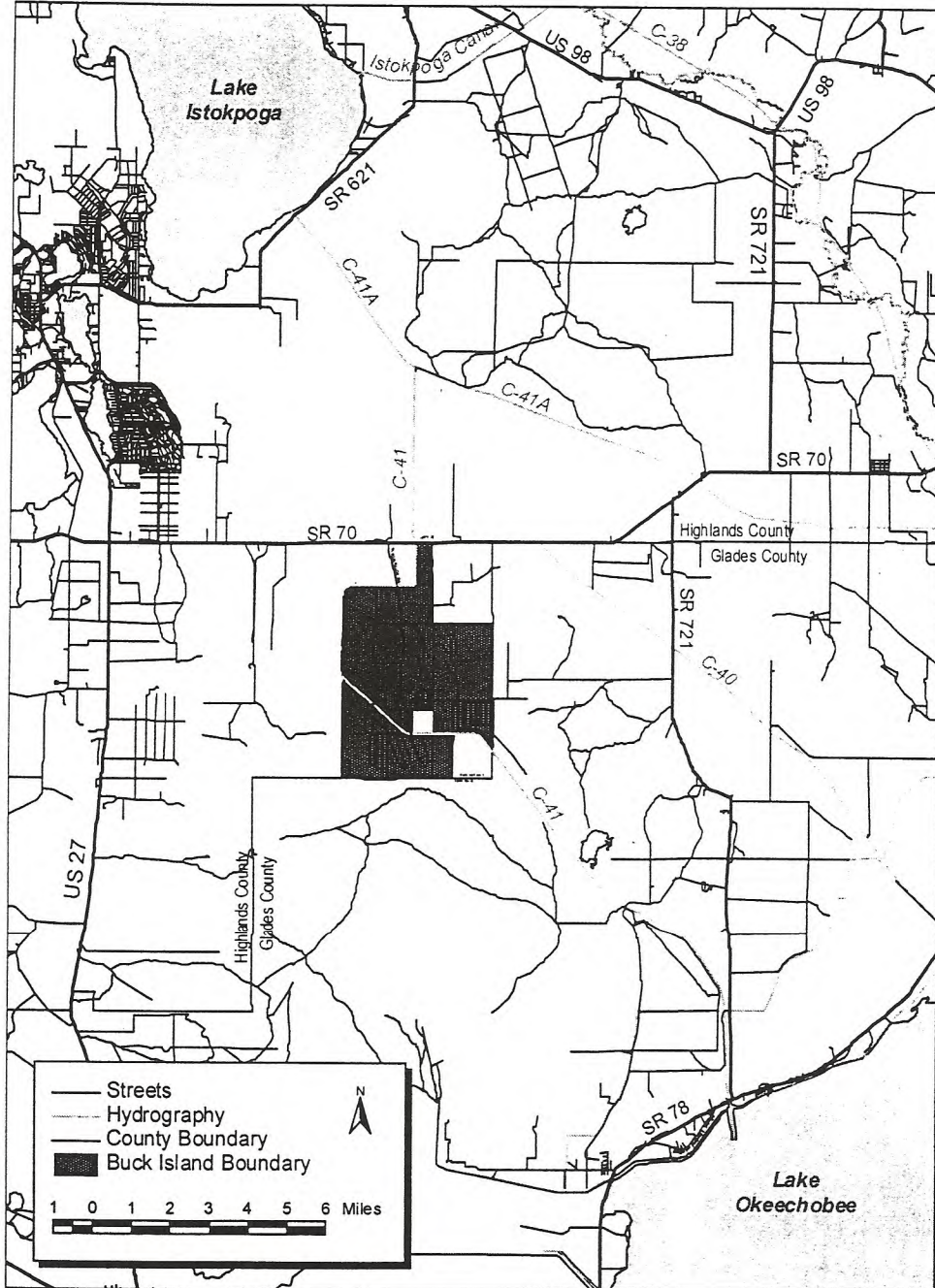
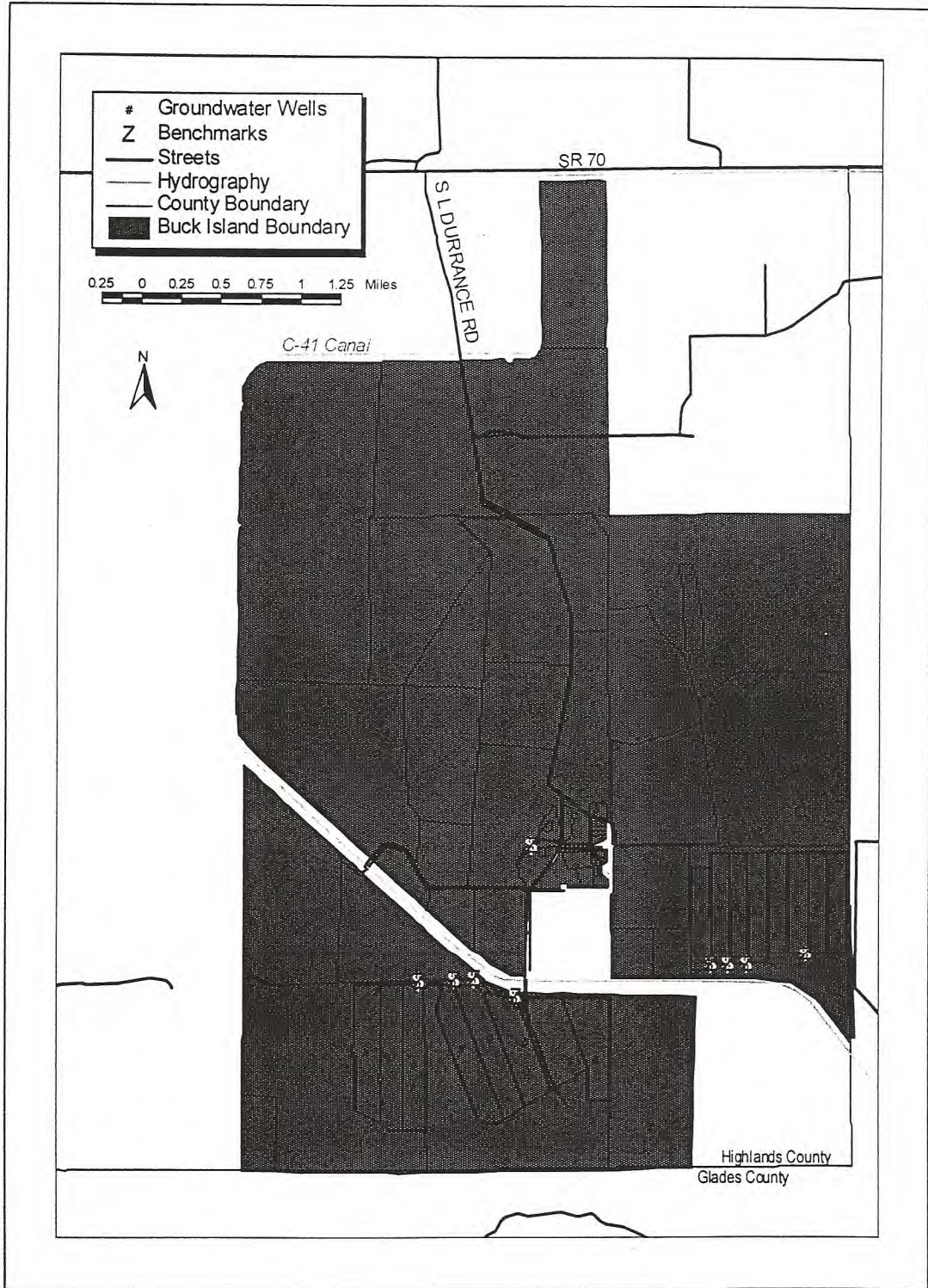


Attachment A-1
Buck Island/MacArthur-Agro Farm Location



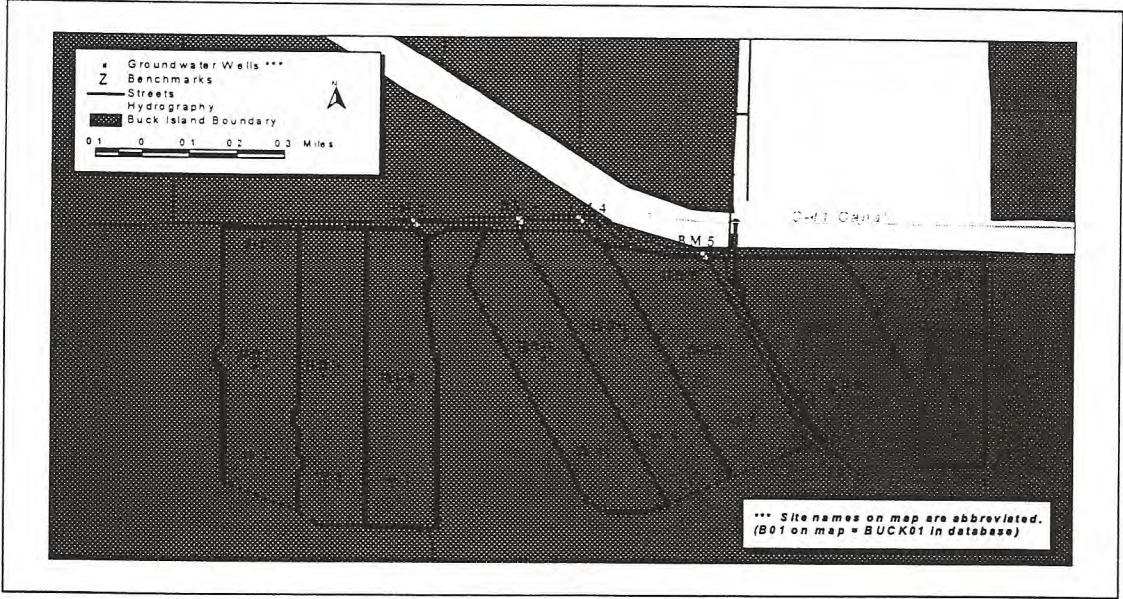
Attachment A-2
Buck Island/MacArthur-Agro Pasture Locations



Attachment A-4
Buck Island/MacArthur-Agro Pasture Locations
 Pasture Sites BUCK01 thru BUCK22



East Pasture
 Sites BUCK12 through BUCK22



West Pasture
 Sites BUCK01 through BUCK11

Attachment A-5
Buck Island/MacArthur-Agro Site/Bench Marks
GPS and X&Y Coordinates

Buck Island/MacArthur-Agro Sites
GPS and X & Y Coordinates

SiteName	Pasture	Wellsize	X_sp83	Y_sp83	Lat_83	Lon_83
BUCK01	w1	4 in.	585755	1019050	27 08 13.366 N	81 12 59.393 W
BUCK02	w1	2 in.	585398	1017090	27 07 53.950 N	81 13 03.307 W
BUCK03	w2	2 in.	586145	1016930	27 07 52.378 N	81 12 55.036 W
BUCK04	w3	2 in.	586979	1016730	27 07 50.411 N	81 12 45.801 W
BUCK05	w4	2 in.	588578	1017240	27 07 55.488 N	81 12 28.111 W
BUCK06	w5	2 in.	589490	1017580	27 07 58.870 N	81 12 18.023 W
BUCK07	w6	4 in.	590331	1018600	27 08 08.985 N	81 12 08.732 W
BUCK08	w6	2 in.	590630	1017410	27 07 57.205 N	81 12 05.401 W
BUCK09	w7	2 in.	592165	1016840	27 07 51.584 N	81 11 48.401 W
BUCK10	w8	2 in.	592996	1016850	27 07 51.696 N	81 11 39.203 W
BUCK11	w8	4 in.	593129	1018640	27 08 09.425 N	81 11 37.762 W
BUCK12	s1	2 in.	596494	1021830	27 08 41.066 N	81 11 00.566 W
BUCK13	s2	2 in.	597094	1021840	27 08 41.174 N	81 10 53.924 W
BUCK14	s3	2 in.	597664	1021840	27 08 41.182 N	81 10 47.614 W
BUCK15	s4	2 in.	598268	1021850	27 08 41.290 N	81 10 40.928 W
BUCK16	s5	2 in.	598999	1021860	27 08 41.399 N	81 10 32.836 W
BUCK17	s6	2 in.	599674	1021870	27 08 41.507 N	81 10 25.364 W
BUCK18	s7	2 in.	600303	1021870	27 08 41.516 N	81 10 18.401 W
BUCK19	s8	2 in.	600842	1021860	27 08 41.424 N	81 10 12.434 W
BUCK20	s1	4 in.	596684	1020010	27 08 23.045 N	81 10 58.433 W
BUCK21	s5	4 in.	599256	1020510	27 08 28.033 N	81 10 29.970 W
BUCK22	s8	4 in.	600766	1020490	27 08 27.856 N	81 10 13.254 W

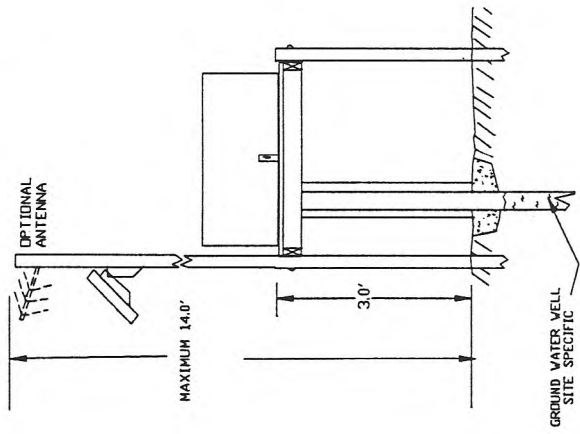
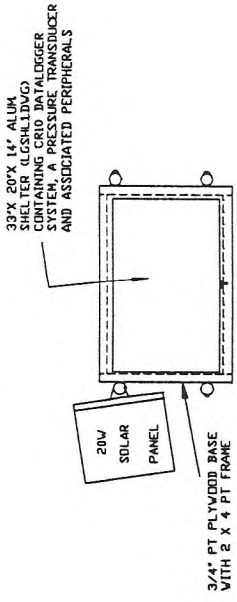
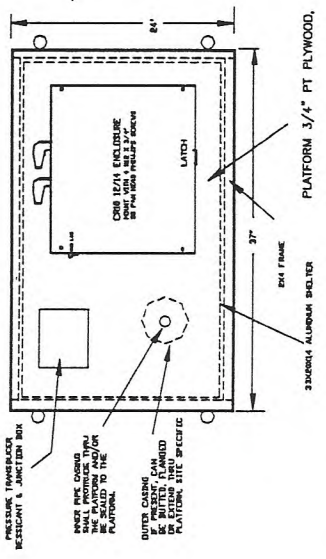
Buck Island/MacArthur-Agro Bench Marks
GPS and X & Y Coordinates

Benchmrk	Pasture	X_sp83	Y_sp83	Lat_83	Lon_83
BM1	HQ	590853	1023830	27 09 00.788 N	81 12 03.047 W
BM2	w3	587160	1019370	27 08 16.559 N	81 12 43.847 W
BM3	w4	588320	1019420	27 08 17.073 N	81 12 31.007 W
BM4	w5	588987	1019440	27 08 17.282 N	81 12 23.624 W
BM5	w6	590362	1018900	27 08 11.957 N	81 12 08.394 W
BM6	s1	596830	1019950	27 08 22.453 N	81 10 56.816 W
BM7	s3	597394	1019940	27 08 22.362 N	81 10 50.573 W
BM8	s4	597994	1019950	27 08 22.470 N	81 10 43.931 W
BM9	s6	599972	1020340	27 08 26.359 N	81 10 22.041 W

ATTACHMENT "B"

- NOTES:**
- 1.- LEGS ARE 2" DIA. RIGID, HOT DIPPED GALVANIZED PIPE, HYDRAULICALLY OR MECHANICALLY DRIVEN 3' OR MORE AND SECURED TO PLATFORM WITH A 3/8" SS BOLT IN EACH LEG.
 - 2.- SITE DIRECTION! GENERALLY MAINTENANCE SHOULD BE SOUTHERLY, BUT SHOULD POINT TOWARDS FUTURE COMMUNICATION SITE, IF KNOWN.
 - 3.- REFER TO SPECIFIC SENSOR CONFIGURATION AND INSTALLATION DRAWINGS FOR DETAILS OF DESICCANT & JUNCTION BOX.
 - 4.- EXISTING LARGE BOX BULLET-PROOFING CAN BE USED TO HARDEN SITE FOR GUNFIRE.
 - 5.- OPTIONAL 1/2" STARBOARD AND EITHER ALUMINUM OR HOT-DIPPED GALVANIZED 2" x 1/4" ANGLE CAN BE SUBSTITUTED FOR THE 3/4" PLYWOOD & 2X4 FRAME.

PLATFORM LAYOUT NTS



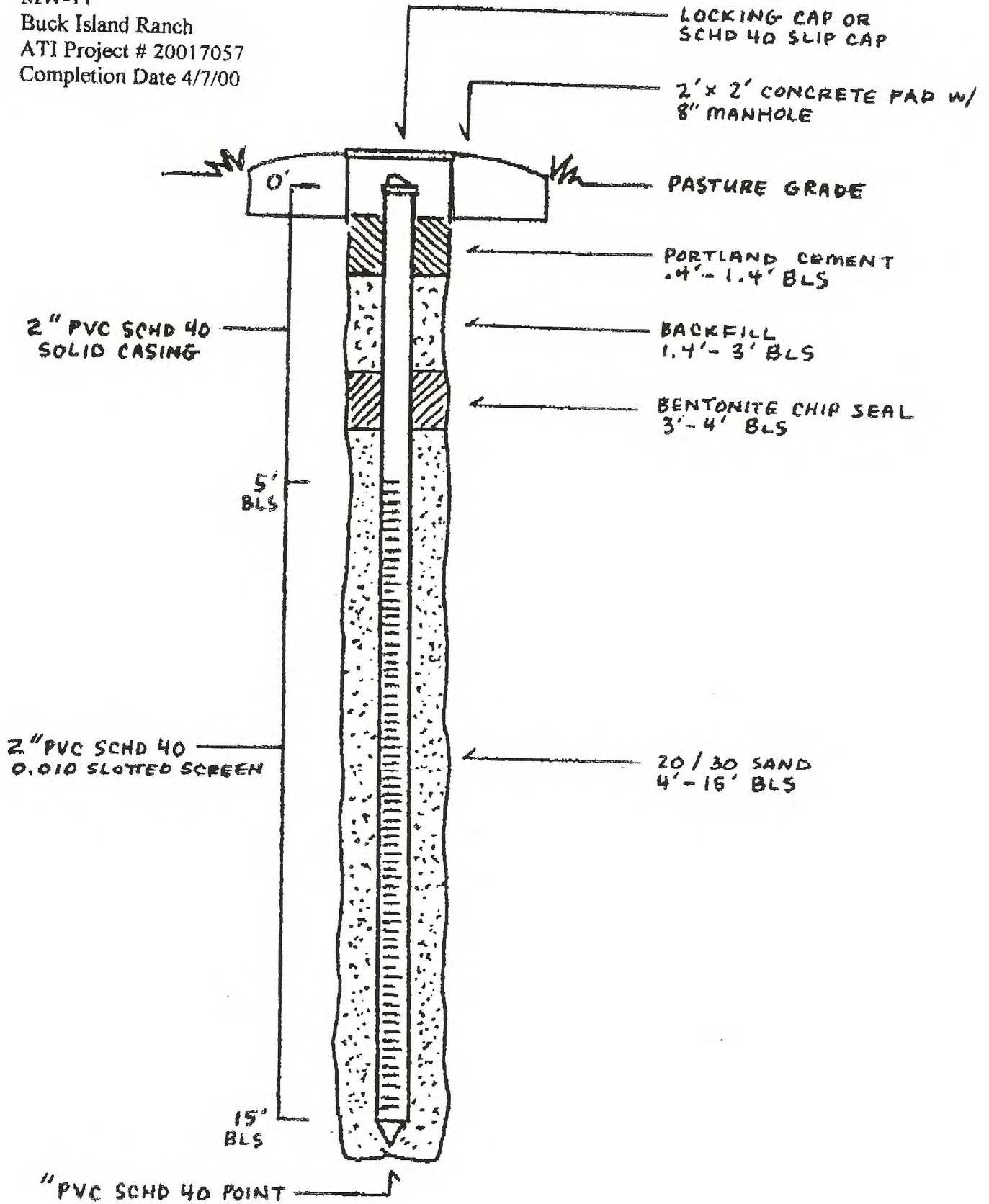
SOUTH FLORIDA WATER MANAGEMENT DISTRICT	
GROUNDWATER LEG SUPPORTED PLATFORM	
ENGINEER V. HERRMANN	DATE 05/08/00
DRWING V. HERRMANN	SCALE NONE
DATE 05/08/00	PLANNING G. SUPPPLI.dwg
SCALE NONE	PLOT SCALE NTS



REV	DATE	BY	CH	COR	APP	ORG	REVISION DESCRIPTION

Buck Island Ground Water Monitoring Station

MW-11
Buck Island Ranch
ATI Project # 20017057
Completion Date 4/7/00



SITE WORKSHEET

Equipment Removed (if applicable): N/A

Benchmark Elevation: 27.66' Date: 9-14-00
Disc Number: _____
Location/Description: _____

Headwater Reference Elevation: _____ Date: _____
Location: _____

Tailwater Reference Elevation: _____ Date: _____
Location: _____

Measurable Max/Min Stage: Top of Well 30.58' Bottom of Well 18.46' (HW, STG, **GW**)
Top of Well _____ Bottom of Well _____ (IW)

Well Platform: Plywood Aluminum Other: _____

Power Source (check one): A/C Solar
If solar, complete the following:
of Panels 1 Watts 20

Communication Type:
 R/F (Radio Frequency) Not Yet Installed R/F Code _____
 Cellular Telephone Phone # _____
 Land-Line Telephone

ARDAMS Loop: ENR Okeechobee East Caloosahatchee
 AEAA Kissimmee WXST Other: _____

R/F Access Point: Yes No

GIS Staff (initial/date when completed): _____ Added Modified

Site Coverage(s): Stage Well Weather/Evap
 Rain Flow Other: _____

Database Manager and Westport Staff (initial/date when registration completed):

_____ MIRMAID (site name) _____ DCVP
_____ DBHYDRO _____ MIRMAID (equipment)

Site Name: **BUCK11**

Date: 10/12/00

ARRAY ID	COLUMN	PARAMETER	SENSOR TYPE	INTERVAL	SENSOR RANGE	Expected Range at Site
001	5-12	SITE ID	ASCII CODED 4-8 CHARACTER I.D.	12 HRS		
002	5	CR10 BATTERY	Internal	3 HRS	0 to 25 VOLTS	12.20 - 14.70
015	5	GW1	SDI Pressure Transducer #1, or Druck	15 MIN.	0 to 34.60 FEET	12.13 - 30.58 ft
016	5	GW1 TEMP.	SDI Pressure Transducer #1	15 MIN.	0 to 40 Degrees C	0 to 40 Degrees C
200	5	Version #	Internal Settings Hard Code = 5, 10	5 Min Change and 30 Day Time Stamp		
	6-13	SITE ID	Default = 32			
	14	HW Trigger	Default = 1		0=OFF, 1=ON	
	15	TW Trigger	Default = 1		0=OFF, 1=ON	
	16	GW Trigger	Default = 6		0 = OFF, 1 - 6 = ON Respectively	
	17	Gw probe Type(1,2,3)	Default = 0 (000 = Unknown, Unknown, Unknown)		0=Off, or Unknown; 1=Druck;	
	18	Gw probe Type(4,5,6)	Default = 0 (000 = Unknown, Unknown, Unknown)		2=SDI Waterlog; 3 and up Reserved	
	19	Wq Change Trigger	Default = 0		0=No change, 1=change	
	20-23	Wq Triggers	Default = 1		0 = OFF, 1 = ON	
	24	AP Trigger	Default = 1		0 = OFF, 1 = CS105, 2 = PTA-427	
	25	RAIN Trigger	Default = 1		0=OFF, 1=ON	
	26	Aux. Battery Trigger	Default = 3		0=None, 1=1, 2=2, 3=3 Batteries	
	27-32	GW/Druck Triggers	Default = 0		0 = Use Waterlog, 1 = Use Druck	
	33-40	REF Elevations	HW, TW, GW1, GW2, GW3, GW4, GW5, GW6		IN FEET	
	41-48	Offsets	HW, TW, GW1, GW2, GW3, GW4, GW5, GW6		IN FEET	
	49-53	Druck Multipliers	Default = 0		Sensor Specific	

11/18/97 Changes

Additions:
 Any Value that does not need to be high resolution will not be.
 Capability to measure up to 3 Aux. Batteries.
 Gw Type and Wq Change locations added per request.

Subtractions:
 Wq parameters was reduced from 10 to 9.
 You may only Measure 4 Drucks if you are going to measure more than one battery, and you can only measure 5 Drucks if you are going to measure one battery or Barometric pressure, or both.

Warning!

This Program no longer fits inside of a 4k CR10. It can **ONLY** be installed in a CR10X.

SFWMD - (Recorder Modernization)
BUCK ISLAND PROJECT
Site Installation Summary & Equipment Inventory

STATION: Buck 11 (Stand-Alone - Groundwater Monitoring Station)

1. Location: MacArthur Agro-Ecology Research Center (MAERC)
2. Local ID: Which Pasture: Winter Cell #: 8 Well #: B11
3. Coordinates: LAT: 27°08'09.425" LONG: 81°11'37.762"
4. MAERC B.M. - I.D.: Well 8F Description: 1" Gal. Pipe Elevation 27.66'
5. Shelter Size 33"x20"x14" Height Above L.S.: 3.00' Elevation: 30.48'
6. Groundwater Well RP Description: 4" Well (T.O.C.) Marked Elevation 30.58'
7. Pressure Transducer Type: Rittmeyer PSI Range: 15 Depth Set: 17.50'
8. Data Logger (CR-10X) Serial # X22114 District Asset # N/A
9. Modem Serial # Not Installed Yet District Asset # N/A
10. RF Directional Bearing: 174 Degrees RF Address: N/A
11. Radio Serial # Not Installed Yet District Asset # N/A
12. Groundwater P.T. S/N # 979704 District Asset # N/A
13. Survey Date: 9-14-00 Activation Date: 9-14-00
14. District Inspection Date: 9-27-00 By: Danny Yeck

Remarks: Site access can be difficult - heavy undergrowth / rough terrain / 4x4 vehicle recommended.

Survey Notes

- Hydrogage, Inc., surveyed from MAERC provided Bench Marks (1" Galv. Pipe - driven to L.S. approx. 12-18" South of Shelter) to Well R.P. - Top of Casings - Marked.

BM - Bench Mark
LS - Land Surface
N/A - Not Applicable
PT - Pressure Transducer
RF - Radio Frequency
RP - Reference Point
TOC - Top of Casing

Data Input By: WHH
Draft Check By: MSP
Final Review By: SGR