

SITE CONTROL SUPPLIED BY SFWMD

NORTH	EAST	ELEV	DESC
1012572	830036.6	27.741	1283-21A
1012581	835391.5	27.975	1283-21B
1012590	840647.8	29.325	1283-21C
1007313	840704.4	27.424	1283-21D
1007294	844892.7	25.653	1283-22A
1007281	848495.5	28.554	1283-22B
1001921	848633	28.989	1283-22C
1001986	853871.7	25.058	1283-22D
1002001	856492.8	25.67	1283-22E
996667.9	856487.2	26.061	1283-23A
991354.4	856467.7	26.283	1283-23B
986044.4	856433.3	29.764	1283-23C
984446.7	856497.4	37.268	1283-23D
984508.3	855950.7	30.793	1283-23E
983578.1	853349.9	29.885	1283-24A
982302	850395.5	30.869	1283-24B
981308	847710.6	30.196	1283-24C
980079.9	844746.9	28.454	1283-24D
979202.7	842459.9	31.591	1283-24E
978411.6	840605.8	26.792	1283-25A
980821.2	840550.7	26.629	1283-25B
986215.5	840551	27.754	1283-25C
991662.7	840575.8	28.239	1283-25D
996650.9	835253	24.622	1283-26B
996683.9	829864.3	26.474	1283-26C
996715.9	824639.4	38.011	1283-26d
1002218	829989	28.02	1283-29A
1007596	830022.3	27.661	1283-29B

EXISTING WELL SURVEY DATA

POINT NO.	NORTHING	EASTING	LATITUDE	LONGITUDE	NAME OF WELL	NAVD 88 EL TOP OF PVC	NAVD 88 EL OF CONC. SLAB	NAVD 88 EL AT NATURAL GROUND	NGVD 29 EL TOP OF PVC	NGVD 29 EL TOP OF CONC. SLAB	NGVD 29 EL AT NATURAL GROUND
8001	1012472.377	840601.171	27.0705	-80.2559	MW 290 S	34.60	31.89	31.41	35.96	33.25	32.77
8002	1012472.340	840566.592	27.0705	-80.2559	MW 290 SI	34.44	31.85	31.41	35.80	33.21	32.77
8003	997121.629	830001.679	27.0433	-80.2757	MW 272 S	30.00	26.98	26.93	31.36	28.34	28.29
8004	997127.099	830001.490	27.0433	-80.2757	MW 272 SI	29.52	27.08	26.93	30.88	28.44	28.29
8005	997131.602	830001.077	27.0433	-80.2757	MW 272 DI	29.71	27.09	26.93	31.07	28.45	28.29
8007	1003442.248	830040.132	27.0536	-80.2756	MW 338 S	29.37	26.85	26.37	30.73	28.21	27.73
8008	1003446.446	830040.100	27.0536	-80.2756	MW 338 SI	28.99	26.89	26.37	30.35	28.25	27.73
8009	1012340.984	830063.866	27.0704	-80.2755	MW 273 S	31.03	28.67	28.03	32.39	30.03	29.39
8010	1012345.880	830063.638	27.0704	-80.2755	MW 273 SI	31.77	28.51	28.03	33.13	29.87	29.39
8011	1012349.828	830063.638	27.0704	-80.2755	MW 273 DI	31.32	28.46	28.03	32.68	29.82	29.39
8013	1012453.922	835448.505	27.0705	-80.2666	MW 346 S	32.90	29.89	29.45	34.26	31.25	30.81
8016	985998.112	856052.592	27.0242	-80.2309	MW 351 S	31.58	28.41	28.22	32.94	29.77	29.58
8017	994071.873	856052.532	27.0402	-80.2309	MW 352 S	32.02	28.54	28.22	33.38	29.90	29.58
8019	1001989.459	853150.933	27.052	-80.234	MW 353 S	29.81	26.34	26.06	31.17	27.70	27.42
8020	1001972.306	848582.456	27.052	-80.2431	MW 350 S	33.88	30.39	30.09	35.24	31.75	31.45
8025	1007240.573	848493.899	27.0613	-80.2432	MW 274 S	31.74	28.79	28.41	33.10	30.15	29.77
8026	1007236.063	848493.941	27.0612	-80.2432	MW 274 SI	31.45	28.74	28.41	32.81	30.10	29.77
8027	1007230.921	848494.077	27.0612	-80.2432	MW 274 DI	32.25	28.70	28.41	33.61	30.06	29.77
8028	1007226.137	848493.214	27.0612	-80.2432	MW 274 D	31.95	28.62	28.41	33.31	29.98	29.77

SURVEYOR'S NOTES

1. BEARINGS AS SHOWN HEREON ARE BASED ON STATE PLANE COORDINATES, NORTH AMERICAN DATUM OF 1983 (N.A.D. 83) FLORIDA EAST ZONE, REFERENCE A BEARING OF N89°49'35"E ALONG THE NORTH LINE OF SECTION 6, TOWNSHIP 39 SOUTH, RANGE 39 EAST, MARTIN COUNTY FLORIDA.
2. ELEVATIONS AS SHOWN HEREON REFERENCE THE NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NAVD 88) REFERENCE BENCH MARK INFORMATION SUPPLIED BY SFWMD. THE ELEVATIONS FOR THE SFWMD CONTROL POINTS ARE BASED ON A CLOSED LEVEL LOOP BASED ON MONUMENTS R543, J543 AND H516. THE LEVEL LOOP ADJUSTED WITH STAR*NET-PLUS Version 6.0.25 Copyright 1988-2002 Stoplus Software, Inc. Run Date: Thu Jul 01 2004 09:18:12 AND PASSING THE QUI SQUARE TEST AT THE 95% LEVEL. THE HORIZONTAL LOCATION OF THE SFWMD CONTROL WAS OBTAINED BY GPS WITH RIK AND SHOULD NOT BE CONSIDERED HORIZONTAL CONTROL.
3. THE BENCH MARKS USED TO SUPPORT EACH WELL SURVEY IS LISTED WITH WELL.
4. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR.
5. THIS SURVEY WAS DONE IN THE FIELD UTILIZING GLOBAL POSITIONING SYSTEM (G.P.S.) WITH REAL TIME KINEMATIC (R.T.K.) ALL DISTANCES GIVEN ARE GRID DISTANCES. THE ELEVATION x THE SCALE FACTOR = COMBINED FACTOR 0.99998963.
6. THIS IS NOT A BOUNDARY SURVEY.
7. THIS SURVEY WAS PERFORMED TO SHOW THE ELEVATIONS RELATED THE MONITORING WELLS AS SHOWN. THE ELEVATIONS ON THE TOP OF PVC WELL WERE TAKEN ON THE NORTH RIM OF THE PVC. THE ELEVATIONS ON THE CONCRETE SLABS WERE TAKEN ON THE SOUTHEAST SIDE OF THE METAL CASING (SEE TYPICAL MONITORING WELL DETAIL, SHEET 2 OF 2).

ABBREVIATIONS

- BM BENCHMARK
- CONC. CONCRETE
- EL. ELEVATION
- MW MONITORING WELL
- NAVD NORTH AMERICAN VERTICAL DATUM
- NGVD NATIONAL GEODETIC VERTICAL DATUM
- NO. NUMBER
- P.L.S. PROFESSIONAL LAND SURVEYOR
- PVC POLY VINYL CHLORIDE

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE "SPECIFIC PURPOSE SURVEY" AS SHOWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF A FIELD SURVEY MADE UNDER MY DIRECTION AND CHARGE FROM JANUARY 5, 2012 THROUGH JANUARY 17, 2012 AND SAID "SPECIFIC PURPOSE SURVEY" IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF. IT IS FURTHER CERTIFIED THAT THIS "SPECIFIC PURPOSE SURVEY" COMPLES WITH THE MINIMUM TECHNICAL STANDARDS FOR "SPECIFIC PURPOSE SURVEY" SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

BETSY LINDSAY, INC.
SURVEYING AND MAPPING

ELIZABETH A. LINDSAY, P.L.S.
FLORIDA REGISTRATION NO. 4724

NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

C-44 RESERVIOR & STORMWATER TREATMENT AREA
MARTIN COUNTY, FLORIDA

SPECIFIC PURPOSE SURVEY
CDM SMITH

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LICENSED BUSINESS NO. 6852

DATE	REVISIONS

DATE 01/17/2012
SCALE AS SHOWN
FIELD BK. MC 20
DRAWN BY DB
CHECKED BY EAL

SHEET NO. 1
OF 2 SHEETS
PROJECT NO. 11-93

