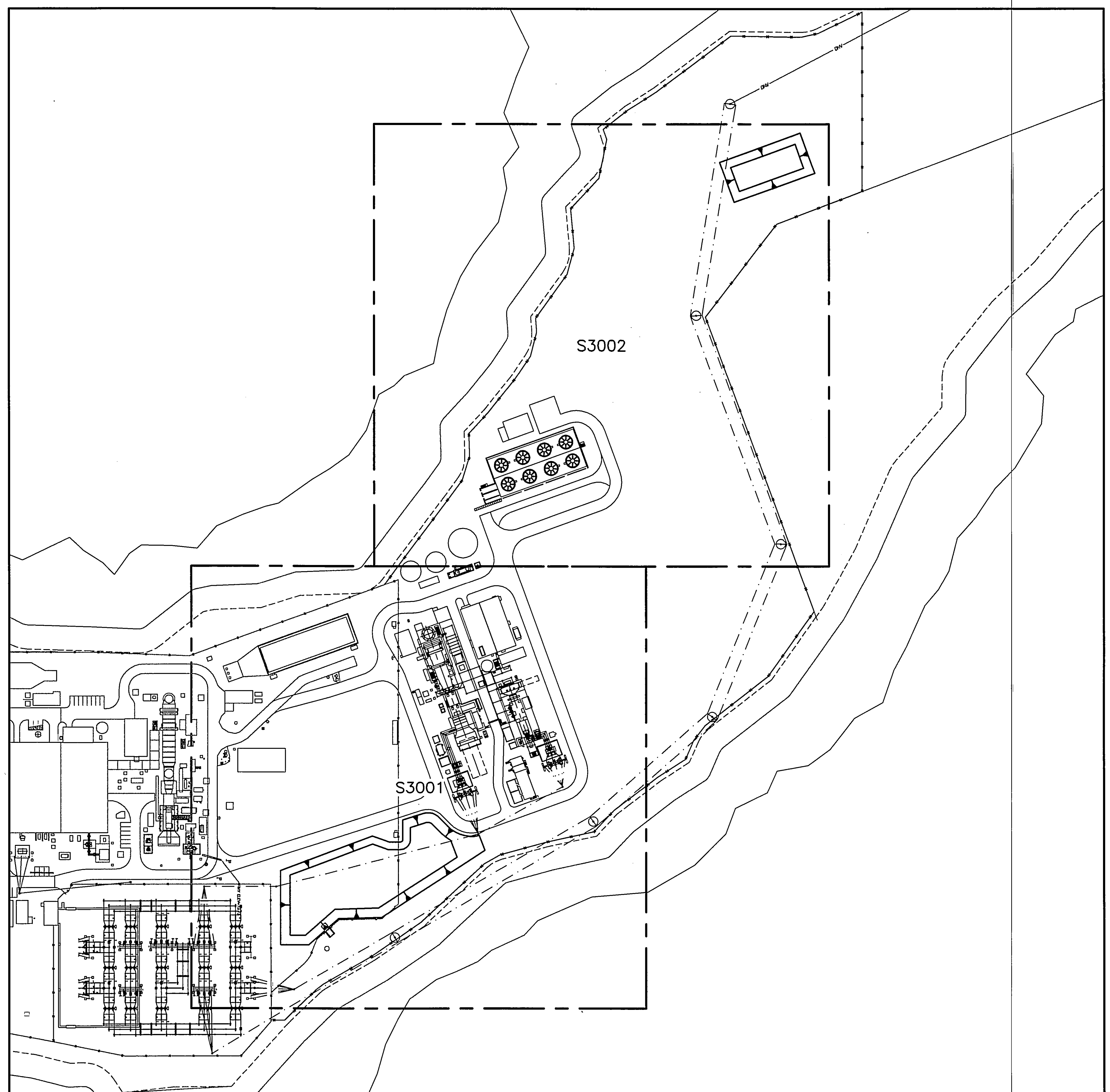


KEY PLAN

GENERAL NOTES

1. GENERAL NOTES APPLICABLE TO ALL S3000 SERIES DRAWINGS.
2. THE PLANT GRID SYSTEM USED FOR HORIZONTAL CONTROL IS STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE 901, NAD83.
3. INTERSECTIONS OF PAVED ROADS SHALL HAVE A 40 FOOT TURNING RADIUS MEASURED FROM THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE. A SMOOTH VERTICAL TRANSITION SHALL BE PROVIDED AT ROAD INTERSECTIONS.
4. THE LOCATIONS OF THE EXISTING FACILITIES AND UNDERGROUND UTILITIES SHOWN ON THIS SERIES OF DRAWINGS REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. BEFORE ANY WORK IS STARTED IN THE AREA OF THE EXISTING FACILITIES AND UNDERGROUND UTILITIES, THE SUBCONTRACTOR SHALL CONFIRM THEIR LOCATION AND NOTIFY THE OWNER THAT WORK IS PLANNED IN THIS AREA.
5. CONSTRUCTION SEQUENCE SHALL BE SCHEDULED TO MINIMIZE UNCONTROLLED RUNOFF AND OFFSITE SEDIMENTATION DURING GRADING OPERATIONS. SEDIMENTATION BARRIERS SHALL BE INSTALLED IN EACH AREA BEFORE GRADING OPERATIONS BEGIN. GRADED AREAS SHALL BE SEEDED IMMEDIATELY FOLLOWING COMPLETION OF FINAL GRADING IN EACH AREA.
6. SPOT ELEVATION AND CONTOURS ON THESE DRAWINGS ARE TOP OF FINISHED GRADE. SUBTRACT FINISHED SURFACING MATERIAL THICKNESS TO OBTAIN TOP OF SUBGRADE.
7. GRADE SHALL SLOPE UNIFORMLY BETWEEN SPOT ELEVATIONS AND CONTOURS SHOWN ON THE PLANS. SLOPE GRADE TO DRAIN IN THE DIRECTION OF FLOW ARROWS.
8. THE FINISHED GRADE SHALL BE SET 6 INCHES BELOW TOP OF CONCRETE UNLESS NOTED OTHERWISE. FINISHED GRADE SHOULD SLOPE AWAY FROM THE STRUCTURE AT A MINIMUM SLOPE OF 1% FOR THE FIRST 10 FEET.
9. ALL CUT AND FILL SLOPES SHALL BE 3 HORIZONTAL TO 1 VERTICAL OR FLATTER, UNLESS NOTED OTHERWISE.
10. BUMPER POSTS ARE TO BE FIELD LOCATED.
11. SEE DWG 147651-4STF-S3050 FOR GRADING AND DRAINAGE SECTIONS AND DETAILS.
12. SEE 147651-4STF-S3100 SERIES DRAWINGS FOR THE EROSION CONTROL PLAN AND DETAILS.
13. SEE DWGS 147651-4STA-S1000 AND S1001 FOR SITE ARRANGEMENT.

LEGEND APPLICABLE TO ALL S3000 DRAWINGS

PROPERTY LINE
R/W — LIMIT OF RIGHT-OF-WAY
NEW SECURITY FENCE
99 — NEW CONTOUR
AREA INLET
NEW STORM WATER SYSTEM
NEW CULVERT
GRADE SURFACE FLOW INDICATOR
123.45 + NEW SPOT ELEVATION
SURVEY CONTROL MONUMENT
NEW TRENCH DRAIN
EXISTING FENCE
99 — EXISTING CONTOUR
WETLAND BUFFER ZONE
OVERHEAD TRANSMISSION LINE
FDEP JURISDICTIONAL WETLAND BOUNDARY

ASPHALT SURFACING
AGGREGATE SURFACING
CONCRETE
EARTH
RIPRAP
SAND/BEDDING MAT'L
GRASS
WETLANDS
1 / S3000 — SECTION OR DETAIL NUMBER / DRAWING DESIGNATION NUMBER

ABBREVIATIONS APPLICABLE TO ALL S3000 DRAWINGS

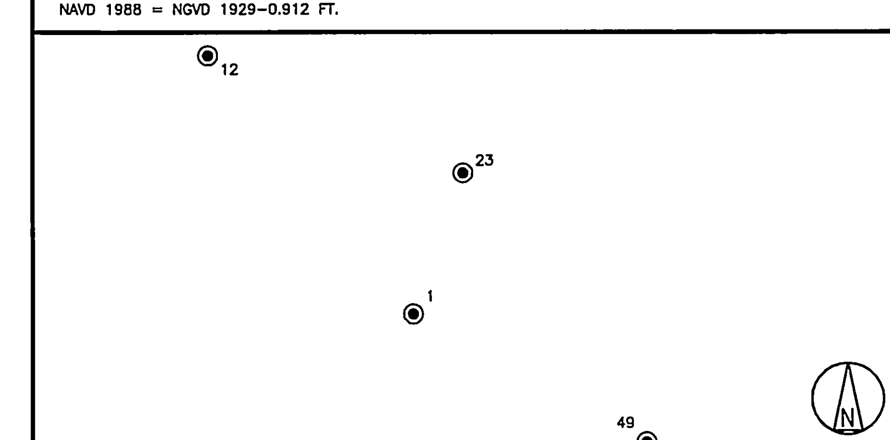
A – ARC LENGTH
AGG – AGGREGATE
APPROX – APPROXIMATE
ASPH – ASPHALT
AVG – AVERAGE
BLDG – BUILDING
B/MH – BOTTOM OF MANHOLE ELEVATION
BOD – BOTTOM OF ELECTRICAL DUCT BANK
BOP – BOTTOM OF PIPE
BU – BELL UP
CHDPE – CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
CJ – CONTRACTION JOINT
CL – CENTERLINE
CMP – CORRUGATED METAL PIPE
CO – CLEAN OUT
D – DEGREE OF CURVE
Δ – DELTA ANGLE OF HORIZONTAL CURVE
DI – DUCTILE IRON
DIA – DIAMETER
DIM – DIMENSION
DWG – DRAWING
E – EAST
EA – EACH
EF – EACH FACE
EGP – EDGE OF PAVEMENT
EGS – EDGE OF SHOULDER
EHH – ELECTRICAL HANDHOLE
EL – ELEVATION
EJ – EXPANSION JOINT
EW – EACH WAY
EXP – EXPANSION
FD – FLOOR DRAIN
FDN – FOUNDATION
FF – FINISHED FLOOR
FG – FINISHED GRADE
FRP – FIBER REINFORCED PIPE
FT – FOOT
HC – HANDICAPPED
HDPE – HIGH DENSITY POLYETHYLENE
HVCM – HORIZ & VERT CONTROL MONUMENT
HP – HIGH POINT
ID – INSIDE DIAMETER
IN – INCH
INV – INVERT
L – LENGTH
LC – LENGTH OF VERTICAL CURVE
LS – LIFT STATION
LTR – LATER
MATL – MATERIAL
MH – MANHOLE
MSL – MEAN SEA LEVEL
MW – MONITORING WELL
N – NORTH
NO. – NUMBER
NTS – NOT TO SCALE
OD – OUTSIDE DIAMETER
OWS – OIL/WATER SEPARATOR
PC – POINT OF CURVATURE
PE – PLAIN END
PI – POINT OF INTERSECTION
PL – PROPERTY LINE
PLCS – PLACES
PRC – POINT OF REVERSE CURVE
PT – POINT OF TANGENT
PVC – POINT OF VERTICAL CURVE
PVI – POINT OF VERTICAL INTERSECTION
PVT – POINT OF VERTICAL TANGENT
R – RADIUS
RCP – REINFORCED CONCRETE PIPE
RD – ROOF DRAIN
RED – REDUCER
REQ'D – REQUIRED
REV – REVISION
R/W – RIGHT-OF-WAY
S – SOUTH
SE – SUPERELEVATION
SIM – SIMILAR
STA – STATION
T – TANGENT LENGTH
TMH – TOP OF MANHOLE
TOC – TOP OF CONCRETE
TOG – TOP OF GRATING
TOP – TOP OF PAVEMENT
TYP – TYPICAL
UNO – UNLESS NOTED OTHERWISE
V – DESIGN SPEED
VERT – VERTICAL
W – WEST
W/ – WITH
W/O – WITHOUT
WP – WORK POINT

PROJECT SURVEY CONTROL

CONTROL MONUMENT LOCATIONS

MONUMENT NO.	STATE PLANE COORDINATES		ELEVATION
	EASTING	NORTHING	
1	484,953.765	1,432,348.949	78.05
12	482,882.646	1,435,905.858	73.59
23	485,217.602	1,433,848.406	74.15
49	487,224.814	1,430,143.646	71.39

NOTE:
BENCHMARKS ARE 5' x 12"ø CONCRETE MONUMENTS WITH BRASS DISC IN THE TOP. HORIZONTAL CONTROL IS BASED ON THE FLORIDA STATE PLANE COORDINATE – EAST ZONE (1983/90 N.A.D.) SYSTEM. THE ELEVATIONS ARE BASED ON THE NGVD 1929 DATUM FROM BENCHMARKS SET BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND INFORMATION THAT WAS FURNISHED BY THE OSCEOLA COUNTY ENGINEERING DEPARTMENT. NAVD 1988 = NGVD 1929–0.912 FT.



FOR PERMITTING PURPOSE ONLY APPROVED FOR CONSTRUCTION

William John Blauwiekel
6/5/08

WILLIAM JOHN BLAUWIEKEL
FLORIDA P.E. LICENSE NO. 65919
BLACK & VEATCH CORPORATION
11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
CERTIFICATE OF AUTHORIZATION NO. 00008132

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA.
SIGNED WILLIAM JOHN BLAUWIEKEL
DATE 06/06/2008 REG NO. 65919

NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
1	06/06/2008	GENERAL REVISIONS	MRR	JMS	MJS	MJS	SAA
0	04/01/2008	ISSUED FOR CONSTRUCTION	MRR	JMS	MJS	MJS	SAA

100' 50' 0 100' 200'
SCALE: 1"=100'

BLACK & VEATCH CORPORATION
ENGINEER JMS DRAWN MRR
CHECKED MJS DATE 04/01/2008

FLORIDA MUNICIPAL POWER AGENCY
CANE ISLAND POWER PARK UNIT 4

GRADING AND DRAINAGE – SITE
GENERAL NOTES, ABBREVIATIONS AND LEGEND

PROJECT / DRAWING NUMBER: 147651–4STF–S3000 REV 1
CODE
AREA
FIGURE 3.8–2