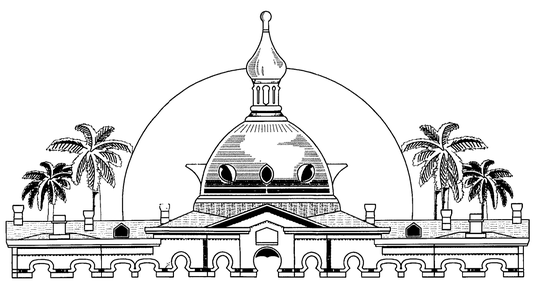
1563468 (1)

SOUTHEAST COUNTY LANDFILL
FACILITY FINAL BUILD-OUT
CONCEPTUAL ENVIRONMENTAL RESOURCE PERMIT APPLICATION STORMWATER MANAGEMENT PLANS

MAY 2008

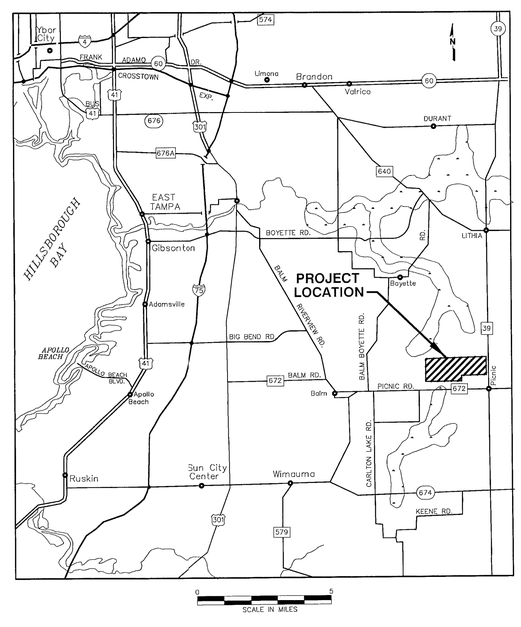
HILLSBOROUGH COUNTY SOLID WASTE MANAGEMENT DEPARTMENT

TAMPA, FLORIDA



BOARD OF COUNTY COMMISSIONERS

ROSE FERLITA, Commissioner
KEN HAGAN, Commissioner
KEVIN WHITE, Commissioner
AL HIGGINBOTHAM, Commissioner
JIM NORMAN, Commissioner
BRIAN BLAIR, Commissioner
MARK SHARPE, Commissioner



LOCATION MAP

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JONES EDMUNDS
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CERTIFICATE OF AUTHORIZATION # 6616
APPROVED BY:
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664
STATE OF FLORIDA
MAY 2 2008

Plotted: 5/02/08 2:13pm JVance
N:\08449 Hillsborough County\030 - 02\1600\Contract Drawings\Civil\Site Wide_ERP\0844903002-C-01-COVER.dwg
Edited: 12/09/05 11:16 JWilliams

CIVIL LEGEND

	EXISTING TREE LINE
107	EXISTING CONTOUR
× 108.25	EXISTING GRADE SPOT EL
OH	EXISTING OVERHEAD ELECTRIC
X X	EXISTING FENCE
FOC	EXISTING FIBER OPTIC
LFM	EXISTING LEACHATE FORCE MAIN
UGE	EXISTING UNDERGROUND ELECTRIC
LRL	PROPOSED LEACHATE RECIRCULATION LINE
LFM	PROPOSED LEACHATE FORCE MAIN
	CONCRETE
	ASPHALT
	LIMEROCK
	IMPACTED WETLAND AREA
	WETLANDS TO REMAIN
107	PROPOSED CONTOUR
SF	PROPOSED SILT FENCE
TC	PROPOSED TURBIDITY CURTAIN
	PROPOSED TEMPORARY BARRICADE
+ 108.25	PROPOSED GRADE SPOT EL
25	PROPOSED COORDINATE POINT
S9-CPT4	SOIL BORING LOCATION
	STORMWATER FLOW
	EXISTING POWER POLE
	PROPERTY BOUNDARY
	APPROXIMATE LIMITS OF MINING
	PROPOSED EDGE OF BOTTOM LINER
x	PROPOSED FENCE
▲	EXTRUSION WELD
△	PIPE SUPPORT
LFGMP-12	EXISTING LANDFILL GAS MONITORING POINT
LFGMP-36	PROPOSED LANDFILL GAS MONITORING POINT
TH-60	EXISTING GROUNDWATER MONITORING WELL
TH-70	PROPOSED GROUNDWATER MONITORING WELL
⊗	SURFACE WATER MONITORING POINT
P-11D	EXISTING PIEZOMETER
	EXISTING MITERED END SECTION
EM	EMERGENT MARSH
FAM	FLOATING AQUATIC MARSH
FW	FORESTED WETLAND
L	LAKE
WB	WETLAND BUFFER
	EXISTING LIGHT POLE
11-A	EXISTING STORMWATER PIPE
	PROPOSED STORMWATER PIPE

MECHANICAL LEGEND

VALVE SYMBOLS

DOUBLE LINE / SINGLE LINE

- GATE
- KNIFE GATE
- BUTTERFLY
- BALL
- SWING CHECK
- PRESSURE RELIEF
- AIR AND/OR VACUUM RELEASE

MISCELLANEOUS SYMBOLS

- PIPE SUPPORT
- STRAINER
- FLEXIBLE (ELASTOMER) PIPE CONNECTION
- PI — PRESSURE INDICATOR
- LSL — LEVEL SWITCH LOW
- LSLL — LEVEL SWITCH LOW-LOW
- LSH — LEVEL SWITCH HIGH

PIPE AND FITTING SYMBOLS

DOUBLE LINE / SINGLE LINE

- MECHANICAL JOINT
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE DOWN
- LATERAL UP
- LATERAL DOWN
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- UNION
- CAP
- FLOW METER
- ELBOW, 90 DEGREE
- TEE
- ELBOW, 45 DEGREE
- LATERAL, WYE
- ELBOW, 22.5 DEGREE

ABBREVIATIONS

GENERAL

APPROX	APPROXIMATE, APPROXIMATELY
BLDG	BUILDING
BTM	BOTTOM
CB	CATCH BASIN
CHDPE	CORRUGATED HIGH DENSITY POLYETHYLENE
CM	CONCRETE MONUMENT
CO	COMPANY
CONC	CONCRETE
CONT	CONTINUOUS
CORR	CORRUGATED
DET	DETAIL
DOT	DEPARTMENT OF TRANSPORTATION (FLORIDA)
DIA	DIAMETER
DIM	DIMENSION
DWG	DRAWING
EA	EACH
EOL	EDGE OF LINER
ETC	ET CETERA
ENCL	ENCLOSE, ENCLOSURE
EL	ELEVATION
EQUIP	EQUIPMENT
EXIST	EXISTING
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FIN	FINISHED
FM	FORCE MAIN
GALV	GALVANIZED
GCL	GEOSYNTHETIC CLAY LINER
GFFR	GROUT FILLED FIBER REVETMENT
GR	GRADE
GS	GALVANIZED STEEL
HDPE	HIGH DENSITY POLYETHYLENE
HP	HIGH POINT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
L	LENGTH
LCRS	LEACHATE COLLECTION REMOVAL SYSTEM
LDS	LEAK DETECTION SYSTEM
MAX	MAXIMUM
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MSL	(ABOVE) MEAN SEA LEVEL
MT	MOUNT
N/A	NOT APPLICABLE
N/AVAIL	NOT AVAILABLE
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NIC	NOT IN CONTRACT
No	NUMBER
NP	NONPERFORATED
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
PC	POINT OF CURVE
PLS	PROFESSIONAL LAND SURVEYOR
PS	PUMP STATION
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REF	REFERENCE
R/W	RIGHT OF WAY
REQD	REQUIRED
S	SLOPE
SCH	SCHEDULE
SDR	STANDARD DIMENSION RATIO
SHT	SHEET
SIM	SIMILAR
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
T	TANGENT
TBM	TURNING BENCH MARK
TYP	TYPICAL
USC&GS	UNITED STATES COASTAL AND GEODETIC SURVEY
USGS	UNITED STATES GEOLOGICAL SURVEY
WGT	WEIGHT
△	DELTA, ANGULAR CHANGE

MECHANICAL

ARV	AIR RELEASE VALVE
BCCMP	BITUMINOUS COATED CORRUGATED METAL PIPE
BLD	BLIND
BV	BALL VALVE
BWJ	BUTT-WELDED JOINT
CMP	CORRUGATED METAL PIPE
DI	DUCTILE IRON
ELL	ELBOW
FJ	FLANGED JOINT
FLG	FLANGE
FRP	FIBERGLASS REINFORCED PLASTIC
LR	LONG RADIUS
NPT	AMER. STD. TAPER PIPE THREAD
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
RED	REDUCER
RTR	REINFORCED THERMOSETTING RESIN
SOF	SLIP-ON FLANGE
WJ	WELDED JOINT

STRUCTURAL

AA STD	ALUMINUM ASSOCIATION STANDARD
ACI	AMERICAN CONCRETE INSTITUTE
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
B/	BOTTOM OF
CL	CENTERLINE
CC	CENTER TO CENTER
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CM/SEC	CENTIMETERS PER SECOND
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
DN	DOWN
EF	EACH FACE
EQ	EQUAL, EQUALLY
EW	EACH WAY
EXP	EXPANSION
FG	FIBERGLASS
FT	FOOT, FEET
FTG	FOOTING
GRTG	GRATING
HK	HOOK
HORIZ	HORIZONTAL
LBR	LOAD BEARING RATIO
LG	LONG
MFR	MANUFACTURER
MPD	MODIFIED PROCTOR DENSITY
NOM	NOMINAL
OC	ON CENTER(S)
P	PLATE
PL	PLATE
PSI	POUNDS PER SQUARE INCH
REINF	REINFORCEMENT, REINFORCING
SP	SPACING, SPACED
SQ	SQUARE
T/	TOP OF
THK	THICK
TOC	TOP OF CONCRETE
TS	TUBULAR STEEL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WIRE
W/	WITH
WP	WELD POINT
WWF	WELDED WIRE FABRIC
@	AT
ø	DIAMETER
<	ANGLE
#/IN	POUNDS PER INCH

ELECTRICAL

A	AMPS
C/B	CIRCUIT BREAKER
CAB	CABLE
COMB	COMBINATION
FVNR	FULL VOLTAGE NON-REVERSING
GFI	GROUND FAULT INTERRUPT
GND	GROUND
KVA	KILOVOLT AMP
LEV	LEVEL
NEMA	NATIONAL ELECTRICAL MANUFACTURING ASSOCIATION
P	POLE
PWR	POWER
SW	SWITCH
V	VOLT(S)
WP	WATER PROOF
XFMR	TRANSFORMER
Y	WYE
Z	IMPEDANCE

A — DIRECTION OF SECTION
SECTION DESIGNATION
C4 C9 — DRAWING NUMBER SECTION APPEARS ON
DRAWING NUMBER SECTION IS CUT ON

SECTION DESIGNATION

1 — DETAIL DESIGNATION
C2 C7 — DRAWING NUMBER DETAIL APPEARS ON
DRAWING NUMBER DETAIL IS CUT ON

DETAIL DESIGNATION

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
LEGENDS AND ABBREVIATIONS

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: JEFFREY D. PEQUEEN, P.E.
P.E. # 47664
STATE OF FLORIDA

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	2

GENERAL NOTES

1. SURVEY WAS PROVIDED BY PICKETT AND ASSOCIATES, INC. DATED JANUARY 2008. FOR SURVEY INFORMATION SEE SURVEYORS NOTES.

2. ANY NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD29) MONUMENT WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY:

   FLORIDA STATE GEODETIC ADVISOR

   RONNIE L. TAYLOR
   NOAA, NATIONAL GEODETIC SURVEY
   NATIONAL OCEAN SERVICE ADVISOR
   C/O BUREAU OF SURVEYS AND MAPPING, FLDEP
   3900 COMMONWEALTH BLVD, MAIL STOP 105
   TALLAHASSEE, FL 32399

   TELEPHONE: (850)245-2610
   FAX: (850)245-2545
   E-MAIL: Ronie.Taylor@noaa.gov

   IN THE EVENT THAT MR TAYLOR IS UNAVAILABLE, CONTACT:

   ASSISTANT GEODETIC ADVISOR

   RANDY WEGNER
   NOAA, NATIONAL GEODETIC SURVEY
   ASSISTANT NATIONAL OCEAN SERVICE ADVISOR
   BUREAU OF SURVEYS AND MAPPING
   3900 COMMONWEALTH BLVD, MAIL STOP 105
   TALLAHASSEE, FL 32399

   TELEPHONE: (850)245-2606
   E-MAIL: Randy.Wegner@dep.state.fl.us

3. THE CONTRACTOR SHALL PROVIDE A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO ESTABLISH THE CONSTRUCTION SITE LAYOUT, PERFORM TOPOGRAPHIC SURVEYS, AND PERFORM ALL OTHER REQUIRED SURVEYING SERVICES.

4. CONSTRUCTION MONUMENTS FOR VERTICAL AND HORIZONTAL CONTROL HAVE BEEN PROVIDED AT THE PROJECT SITE. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THESE MONUMENTS TO THEIR OWN SATISFACTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROPER VERTICAL AND HORIZONTAL ALIGNMENT OF CONSTRUCTED FACILITIES AND FINISHED GRADE.

5. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) AFFECTING THEIR OWN WORK.

6. THE CONTRACTOR SHALL VERIFY ALL CLEARANCES PRIOR TO CONSTRUCTION.

7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED.

8. FIELD CONDITIONS MAY NECESSITATE SLIGHT ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED CONSTRUCTION TO AVOID OBSTACLES, AS ORDERED BY THE ENGINEER. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED FACILITIES TO THE ORDERED DEVIATION WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.

9. THE CONTRACTOR SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE VARIOUS UTILITY COMPANIES IN ORDER TO PERMIT THE LOCATION OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION. CONTACT SUNSHINE STATE ONE CALL AT 1-800-432-4770.

10. THE CONTRACTOR SHALL BE AWARE THAT THERE MAY BE SOME UTILITY CONFLICTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY AND ALL EXISTING UTILITIES ON THIS PROJECT WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.

11. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS SHALL BE BASED.

12. ———, ? , & ● ARE EXAMPLES OF DRAWING ELEMENTS WHICH HAVE BEEN SCREENED/SHADOWED TO INDICATE EXISTING CONDITIONS.

13. THE CONTRACTOR SHALL BE AWARE THAT THE CONSTRUCTION SITE IS ADJACENT AND CONNECTS TO ACTIVE LANDFILL CELLS, AND THAT LANDFILL GAS MAY MIGRATE ONTO THE CONSTRUCTION SITE. THE CONTRACTOR SHALL TAKE PROVEN MEANS TO PROTECT PERSONNEL AND FACILITIES FROM RELATED HAZARDS, INCLUDING EXPLOSION, ASPHYXIATION, AND POISONING DUE TO THE PRESENCE OF LANDFILL GASES.

14. THE CONTRACTOR SHALL BE AWARE THAT THERE MAY BE BURIED WASTE AND/OR OTHER BURIED DEBRIS ENCOUNTERED DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL EXCAVATE DISCOVERED WASTE AND OTHER UNSUITABLE MATERIALS AND DISPOSE OF THEM IN THE LINED PORTIONS OF THE LANDFILL AS REQUIRED TO CONSTRUCT THE FACILITIES IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS WITHOUT INCREASE IN CONTRACT PRICE OR TIME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AND PROTECTING THE GEOMEMBRANE AT ALL TIMES. WIND BLOWN GEOMEMBRANE SHALL BE CONSIDERED DAMAGED AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR SHALL NOT INTERFERE WITH FACILITY OPERATIONS. THE CONTRACTOR SHALL COORDINATE WITH AND NOTIFY THE OWNER A MINIMUM OF 48 HOURS IN ADVANCE OF ALL PLANNED UTILITY OUTAGES AND ROAD CROSSINGS.

16. THE CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO PROTECT MONITOR WELLS FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR OR REPLACE MONITOR WELLS DAMAGED DURING CONSTRUCTION WITH LIKE MATERIALS AND CONSTRUCTION METHODS AS APPROVED BY THE ENGINEER AND FDEP WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD DAMAGE OCCUR TO ANY MONITOR WELLS.

17. THE CONTRACTOR SHALL PREVENT DAMAGE TO THE EXISTING GEOMEMBRANE. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD DAMAGE OCCUR AND PERFORM REPAIRS AS DIRECTED BY THE ENGINEER WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.

18. THE CONTRACTOR SHALL PREVENT DISTURBANCE TO AND UNDERMINING OF ADJACENT STRUCTURES, SLABS, PIPING, AND OTHER UTILITIES OR FACILITIES DURING CONSTRUCTION.

19. THE CONTRACTOR SHALL REPLACE ALL EXISTING PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, MAILBOXES, GRASSING, SIGNS, AND OTHER IMPROVEMENTS WITH SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER TO EQUAL OR BETTER CONDITION WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.

20. THE CONTRACTOR SHALL COMPLY WITH ALL TERMS, CONDITIONS, AND REQUIREMENTS OF ALL APPLICABLE PERMITS, INCLUDING FDEP AND WATER MANAGEMENT DISTRICT PERMITS FOR THE SITE.

21. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH EXISTING COUNTY DESIGN AND CONSTRUCTION STANDARDS UNLESS THOSE STANDARDS CONFLICT WITH THESE CONTRACT DOCUMENTS IN WHICH CASE THESE CONTRACT DOCUMENTS SHALL GOVERN. SUCH CONFLICTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY.

22. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE OSHA EXCAVATION SAFETY STANDARDS AND TO ABIDE BY THEM AS COVERED UNDER THE FLORIDA TRENCH SAFETY ACT (LAWS OF FLORIDA 90-96) EFFECTIVE OCTOBER 1, 1990.

23. THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER A WRITTEN STATEMENT PRIOR TO BEGINNING WORK THAT HE/SHE WILL COMPLY WITH APPLICABLE TRENCH SAFETY STANDARDS.

24. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ENVIRONMENTAL PROTECTION DURING THE LIFE OF THE CONTRACT, INCLUDING THE WARRANTY PERIOD. THE CONTRACTORS' OPERATIONS SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS, INCLUDING THOSE PERTAINING TO WATER, AIR, SOLID WASTE, HAZARDOUS WASTE MATERIALS, OILY SUBSTANCES, AND NOISE POLLUTION. THE CONTRACTOR SHALL IMPLEMENT EROSION AND SEDIMENTATION CONTROL MEASURES AS NECESSARY TO COMPLY WITH THESE REGULATIONS FOR BOTH TEMPORARY AND PERMANENT CONSTRUCTION.

25. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL PROVIDE STORMWATER AND EROSION CONTROL PLANS TO PREVENT PONDING AND CONTROL EROSION AND RUNOFF. NO PONDING OF WATER SHALL BE ALLOWED. THE CONTRACTOR SHALL USE APPROVED CONSTRUCTION TECHNIQUES TO PREVENT EROSION AND SHALL BE RESPONSIBLE FOR ALL WORK, INCLUDING PROVIDING EQUIPMENT, LABOR, FILL, ETC NECESSARY TO REMEDIATE AND/OR RESTORE ALL AREAS IMPACTED BY EROSION.

26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING STORMWATER RUNOFF, SOLID WASTE, LANDFILL GAS, AND LEACHATE FROM ENTERING OR IMPACTING THE AREAS OF THE WORK. THE CONTRACTOR SHALL INSTALL AND MAINTAIN MANAGEMENT AND CONTROL DEVICES INCLUDING DIVERSION/COLLECTION BERMS, DITCHES, PUMPING STATIONS, WALLS, LINERS, ETC. TO COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.

27. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION AND SHALL USE APPROVED CONSTRUCTION TECHNIQUES TO MANAGE STORMWATER SUCH THAT THE IMPACT TO CONSTRUCTION IS MINIMIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF DAMAGE DUE TO STORMWATER.

28. FDOT INDICES SHALL REFER TO THE "2004 FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS."

29. THE CONTRACTOR SHALL PROVIDE CONTROL AND MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH FDOT INDEX 600 THROUGH 665, OSHA, AND OTHER APPLICABLE REGULATORY REQUIREMENTS AND AS NECESSARY TO PROVIDE FOR SITE SAFETY DURING CONSTRUCTION.

30. RCP PIPE SHALL BE CLASS-III UNLESS OTHERWISE SPECIFIED

STRUCTURE NOTES

GENERAL

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS RELATING TO EXISTING CONSTRUCTION BY MAKING FIELD MEASUREMENTS PRIOR TO COMMENCING WORK.
2. CONTRACTOR SHALL PROTECT EXISTING STRUCTURES AND UTILITIES FROM DAMAGE. CONTRACTOR SHALL REPAIR OR REPLACE ANYTHING DAMAGED WITH EQUIVALENT MATERIALS AS APPROVED BY FACILITY OWNER.
3. TEMPORARY SHORING & BRACING FOR CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR
4. ALL EXCAVATED MATERIAL & CONSTRUCTION DEBRIS SHALL BE REMOVED FROM SITE & DISPOSED OF BY THE CONTRACTOR.
5. ALL WORK SHALL BE PERFORMED BY LICENSED & QUALIFIED SUBCONTRACTORS & CONTRACTORS. CONTRACTOR SHALL PROVIDE & INSTALL ALL REQUIRED AND PUBLISHED ACCESSORIES FOR ITEMS SHOWN ON PLANS.
6. CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES
7. CONTRACTOR SHALL COORDINATE CONSTRUCTION SCHEDULE WITH INDIVIDUAL COMPANIES CONCERNING RELOCATION OF UTILITIES AND ANY ADDITIONAL RELOCATIONS RESULTING FROM CONFLICTS NOT DELINEATED ON THE CONSTRUCTION PLANS.
8. CONTRACTOR SHALL PROMPTLY REPORT FIELD CHANGES TO THE OWNER'S REPRESENTATIVE.

CODE

1. FLORIDA BUILDING CODE, 2001 EDITION.

REINFORCING STEEL

1. CRSI AND ACI STANDARDS APPLY.
2. ALL DEFORMED BARS SHALL CONFORM TO ASTM A615, GRADE 60.
3. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
4. LAP ALL WELDED WIRE FABRIC A MINIMUM DISTANCE OF ONE CROSS WIRE SPACING PLUS TWO INCHES.
5. ALL REINFORCING STEEL SHALL BE SUPPORTED IN STANDARD ACCESSORIES, HELD RIGIDLY AND ACCURATELY IN PLACE, AND PROTECTED AGAINST DISPLACEMENT BEFORE AND DURING PLACEMENT OF CONCRETE.
6. REINFORCEMENT CHAIR LEGS THAT REST ON CONCRETE SURFACES THAT WILL BE EXPOSED IN THE FINISHED STRUCTURE SHALL BE FABRICATED OF STAINLESS STEEL OR SHALL BE PLASTIC COATED.
7. WHERE SPLICE LENGTHS ARE NOT SPECIFIED, USE 50 BAR DIAMETERS.

CONCRETE

1. THE LATEST EDITION OF THE FOLLOWING ACI STANDARDS APPLY:
   ACI 318 (CODE)
   ACI 306 (WINTER CONCRETING)
   ACI 305 (HOT WEATHER CONCRETING)
   ACI 211.1 (MIX PROPORTIONING)
   ACI 304 (PLACING)
   ACI 315 (DETAILING)
   ACI 347 (FORM WORK)
2. THE REQUIRED CONCRETE STRENGTH BASED ON AN AGE OF 28 DAYS FOR ELEMENTS IN THE STRUCTURE SHALL NOT BE LESS THAN:
   a. 4000 PSI.
   b UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.
3. SITE ADDED WATER IS PERMITTED PROVIDED SLUMP SPECIFICATIONS ARE NOT EXCEEDED, HOWEVER NOT MORE THAN ONE GALLON OF WATER PER CUBIC YARD MAY BE USED TO ADJUST THE MIX AT THE JOB SITE.
4. DO NOT PLACE CONCRETE DURING RAIN OR IF RAIN IS LIKELY TO OCCUR PRIOR TO CONCRETE HARDENING.
5. EPOXY ADHESIVE SHALL BE HILTI HY150.
6. ALL CONCRETE EXPANSION JOINTS AND CRACK CONTROL JOINTS SHALL BE FILLED/SEALED IN ACCORDANCE WITH FDOT INDEX SECTION 932.

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

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730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
GENERAL NOTES

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: STANLEY G. SIPOLS
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	3

4

N

GRAPHIC SCALE

0 500 1000 2000

SCALE IN FEET
1"=1000'

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

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SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
PROPERTY BOUNDARY WITH AERIAL

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
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DATE 05/2008
PROJECT NO. 08449-030-02
SCALE AS SHOWN
DWG. NO. 4

Edited: 00/00/00 0:00 login N:\08449 Hillsborough County\030 - 02\1600\Contract Drawings\Civil\Site Wide_ERP\0844903002-C-04-AERIAL.dwg Plotted: 5/02/08 2:13pm JVance

5

GRAPHIC SCALE

0 200 400 800

SCALE IN FEET
1"=400'

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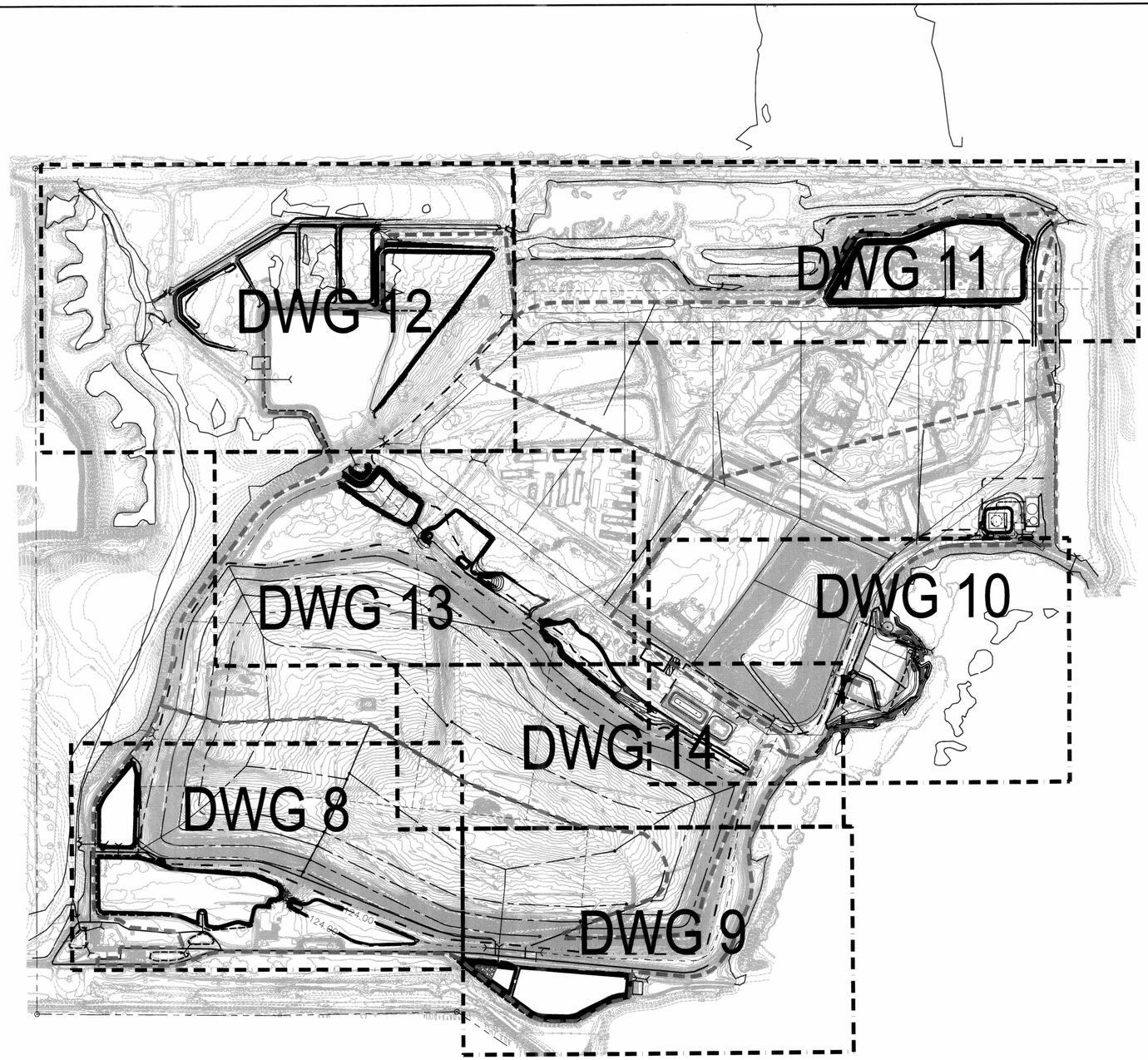

Plotted: 5/02/08 2:12pm JVance

N:\08449 Hillsborough County\030 - 02\1600\Contract Drawings\Civil\Site Wide_ERP\0844903002-C-05-KEYMAP.dwg

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LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS

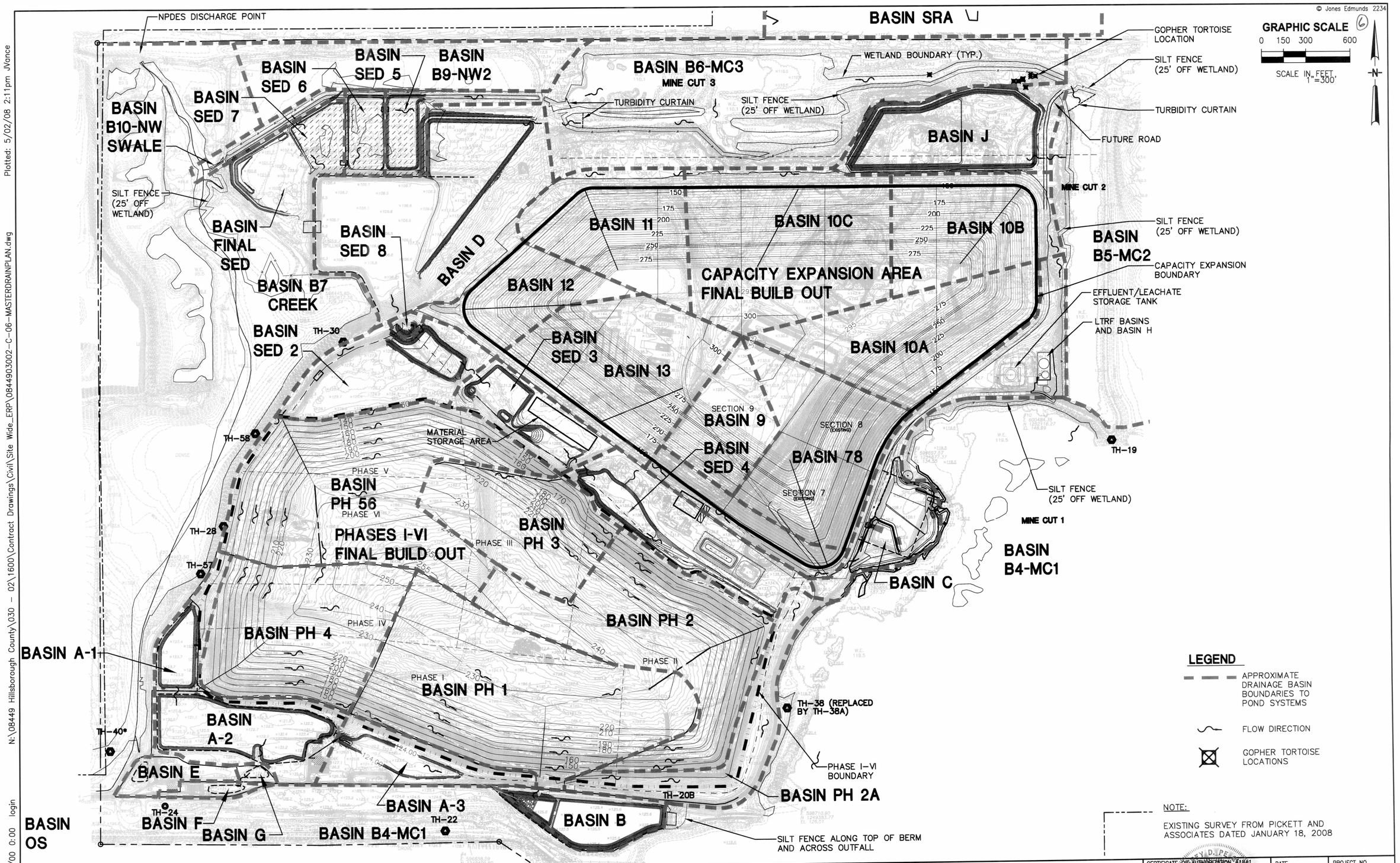
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
KEY PLAN

CERTIFICATE OF AUTHORIZATION #1041
APPROVED BY
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664
MAY 02 2008

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	5



Plotted: 5/02/08 2:11pm JVance

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Edited: 00/00/00 0:00 login

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

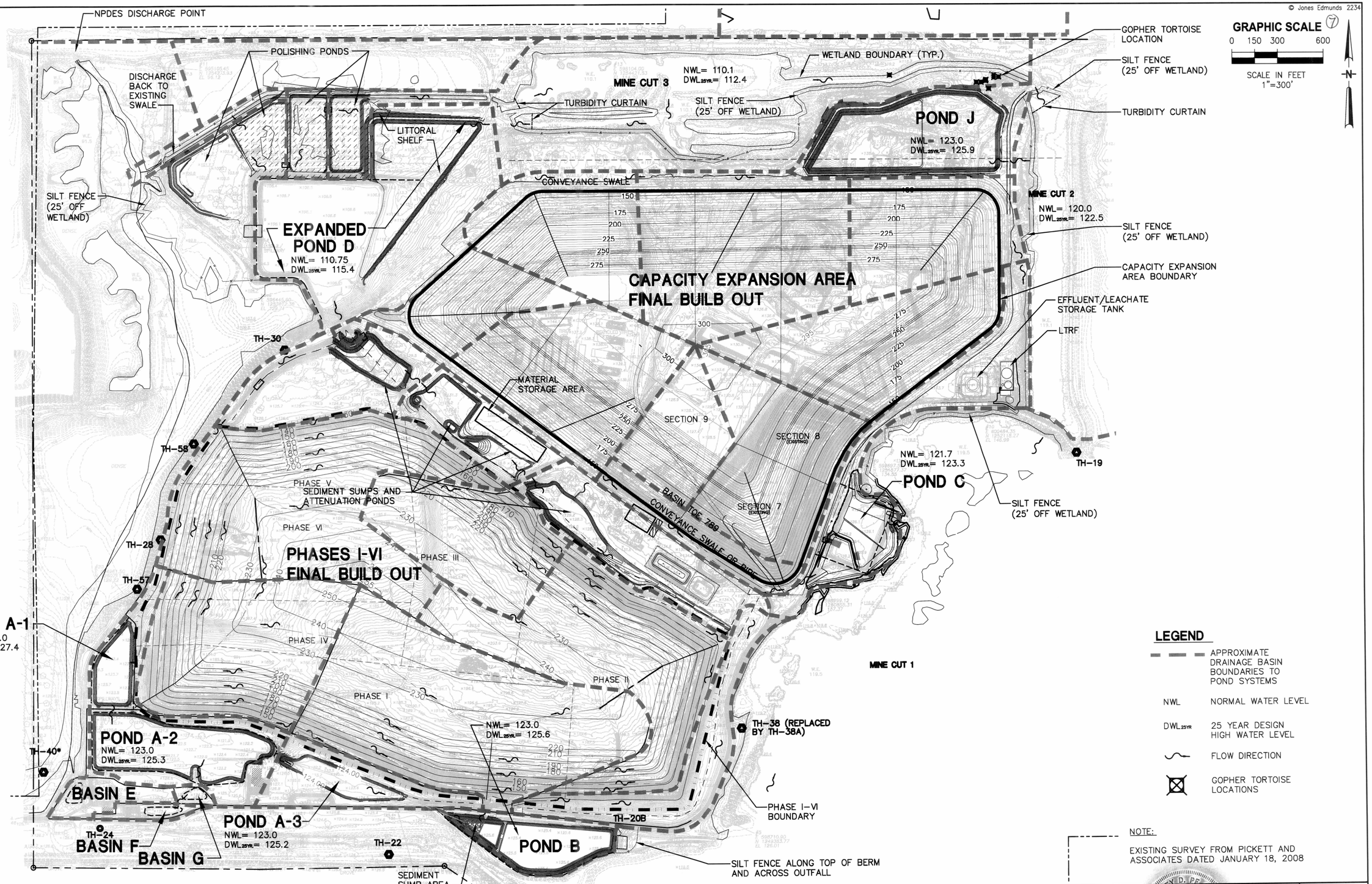
JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
DRAINAGE BASIN PLAN

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: STATE OF FLORIDA JEFFREY D. PEQUEEN, P.E.
P.E. # 47664

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	6



LEGEND

- APPROXIMATE DRAINAGE BASIN BOUNDARIES TO POND SYSTEMS
- NWL — NORMAL WATER LEVEL
- DWL_{25YR} — 25 YEAR DESIGN HIGH WATER LEVEL
- FLOW DIRECTION
- GOPHER TORTOISE LOCATIONS

NOTE:

EXISTING SURVEY FROM PICKETT AND ASSOCIATES DATED JANUARY 18, 2008

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
POND PLAN

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: JEFFREY D. PEQUEEN, P.E. P.E. # 47664 STATE OF FLORIDA
MAY 02 2008

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	7

Edited: 00/00/00 0:00 login N:\08449 Hillsborough County\030 - 02\1600\Contract Drawings\Civil\Site Wide_ERP\0844903002-C-06-MASTERDRAINPLAN.dwg Plotted: 5/02/08 2:12pm JVance

8

Plotted: 5/02/08 2:10pm JVance

N:\08449 Hillsborough County\030 - 02\1600\Contract Drawings\Civil\Site Wide_ERP\0844903002-C-09-POND B.dwg

Edited: 00/00/00 0:00 login

PHASES I-VI
FINAL BUILD OUT

PHASE IV

PHASE I

POND A-1

POND A-2

POND A-3

LITTORAL SHELF
ELEV.= 121.0

POND E

POND F

POND G

TH-57

TH-40*

TH-41

TH-24

C-8 C-18 TH-26

CONST. TYPE "E" GBI
GRATE ELEV. 127.50
18" CIRCULAR OFIFICE
NORTH SIDE AT
ELEV.=123.0
INV. ELEV.=121.0

EXISTING 36"
PIPE TO BE
PLUGGED

C-8 C-18

CONST. 87LF±
30" RCP AT 1.15%
INCL. M.E.S.
SOUTH END AT
INV. ELEV.=120.0

C-8 C-18A

REMOVE EXISTING 24" CMP
AND CONST. 120 LF ± 36" RCP
AT 0% INCL. M.E.S. EACH END
AT INV. ELEV.=120.0

C-8 C-18A

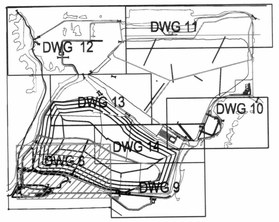
C-8 C-18A

CONST. 300LF±
30" RCP AT 1.67%
INCL. M.E.S.
EACH END AT
INV. ELEV.=123.0
(POND A3)
INV. ELEV.=118.0
(POND B)

GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1"=100'

NOTE:

FOR DETAILS OF ALL EXISTING PIPE LOCATIONS, REFER TO TABLE ON SHEET 21. EXISTING PIPES ARE LABELLED AS FOLLOWS S-# # OR TS-##.



KEY PLAN

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

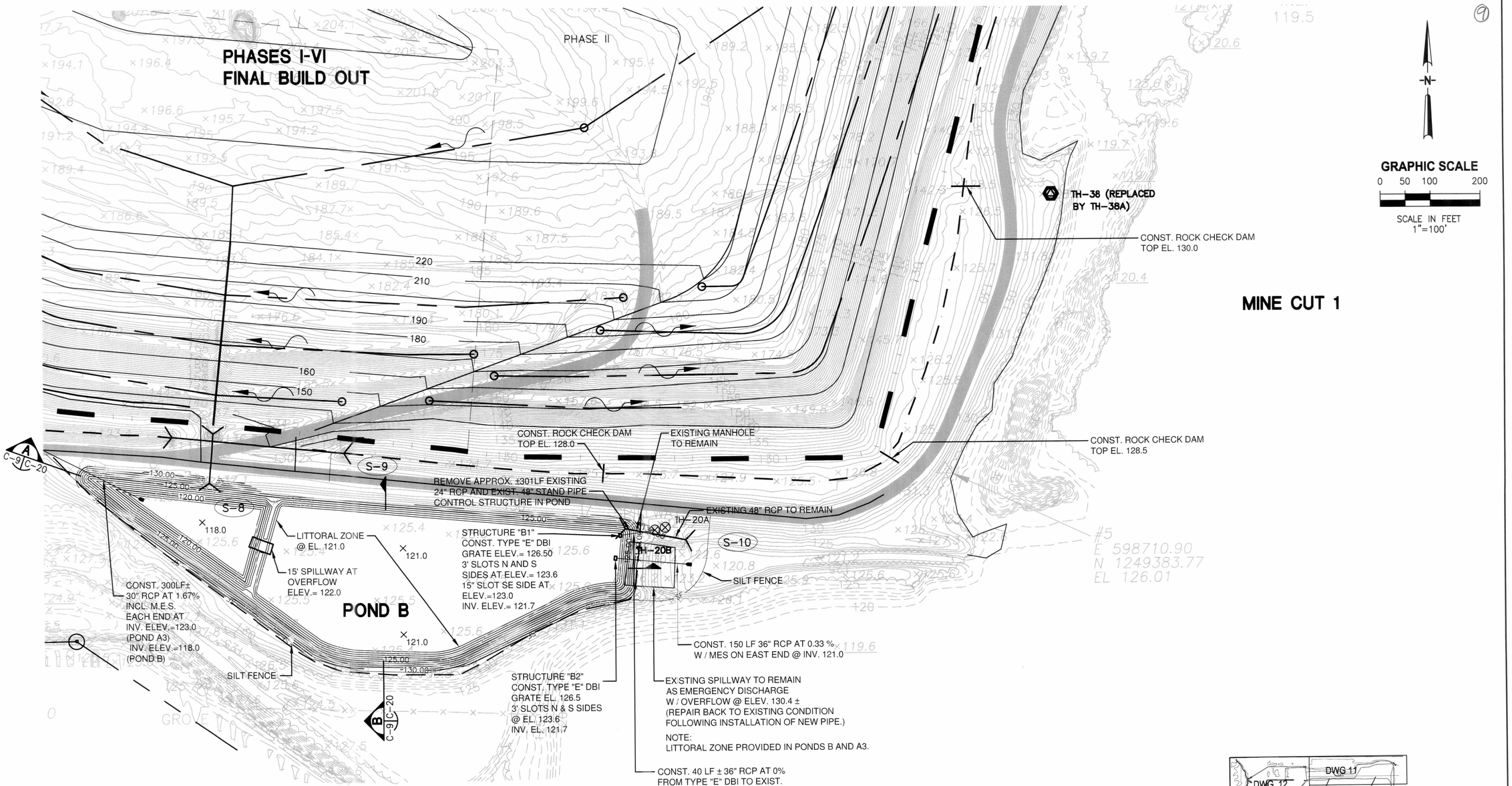
HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

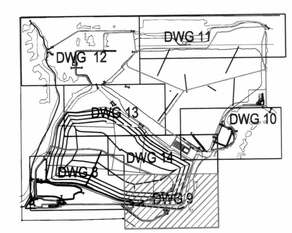
STORMWATER MANAGEMENT PLANS
PONDS A-1 A-2 A-3

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: JEFFREY D. PEQUEEN, P.E.
P.E. # 47664
MAY 0 2 2008
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	8

9





KEY PLAN

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
POND B

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
STATE OF FLORIDA
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	9

Plotted: 5/02/08 2:11pm JVance

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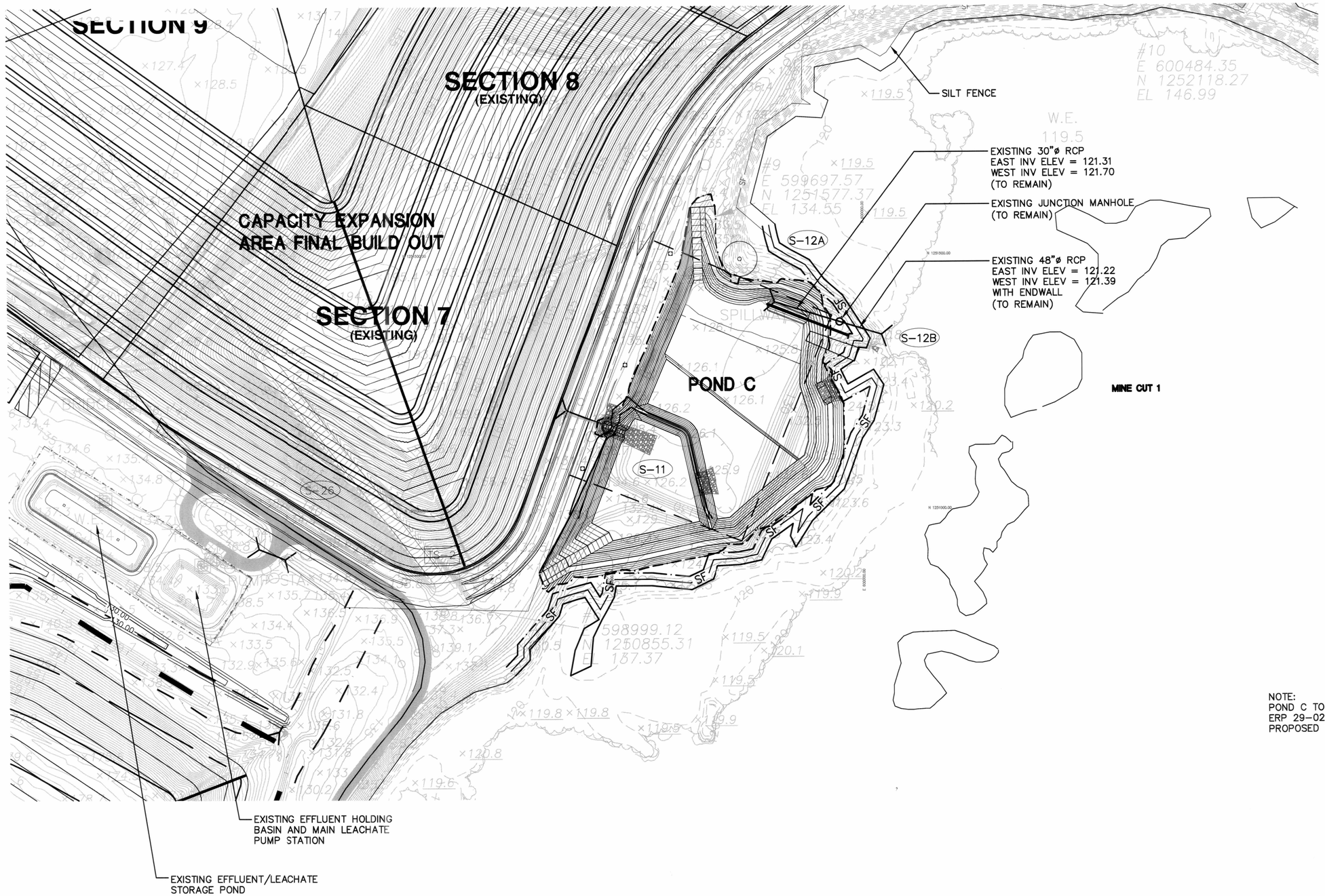
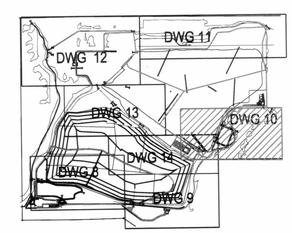
(10)



GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1"=100'

N

NOTE:
POND C TO BE CONSTRUCTED AS PERMITTED UNDER ERP 29-0270881-001. NO NEW CHANGES ARE PROPOSED TO POND C.



KEY PLAN

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
POND C

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
STATE OF FLORIDA
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	10

Plotted: 5/02/08 2:08pm JVance
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Edited: 00/00/00 0:00 login

(11)

MINE CUT 3

WETLAND BOUNDARY (TYP.)

MATCH LINE THIS SHEET

POND J
NWL= 123.0
DWL25YR= 125.9

LITTORAL SHELF
@ 121.0

CONTROL STRUCTURE
TYPE "E" DBI W/GREASE BAFFLES,
GRATE EL 126.1
3' SLOT N SIDE @ EL 123.7
7" SLOT N SIDE @ EL 123.0
INV EL 120.0

CONST 280 LF OF 36" RCP @ 0.36%
MES INV ELEV 119.0

SILT FENCE

INSTALL
TURBIDITY
CURTAIN

S-14

MINE CUT 2

FUTURE ACCESS ROAD

GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1"=100'

N

CAPACITY
EXPANSION AREA

FINAL BUILD OUT

DRAINAGE BASIN
TO POND J

REMOVE EXISTING 2 PIPES AND REPLACE
W/NEW CONTROL STRUCTURE:
TYPE "H" DBI, GRATE ELEV. 111.1
3' SLOTS N & S SIDES @ ELEV. 110.1
INV ELEV. 107.0
85 LF OF 42" RCP @ 0.15%
MES @ ELEV. 106.8 ON WEST END

CONTROL STRUCTURE TYPE "E" DBI
W/GREASE BAFFLES, GRATE EL. 115.5

18' SLOT N SIDE @ ELEV. 111.75
10' SLOT N SIDE @ ELEV. 110.75
36" RCP INV ELEV. 108.0

S-15A

S-15B

POND
D

INSTALL
TURBIDITY
CURTAIN

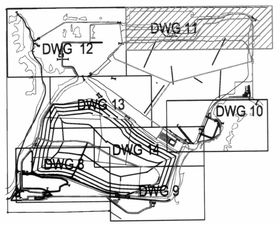
INSTALL
TURBIDITY
CURTAIN

MINE CUT 3

MATCH LINE THIS SHEET

GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1"=100'

N



KEY PLAN

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
POND J

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
STATE OF FLORIDA
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	11

Plotted: 5/02/08 2:10pm JVance

N:\08449 Hillsborough County\030 - 02\1600\Contract Drawings\Civil\Site Wide_ERP\0844903002-C-11-POND-J.dwg

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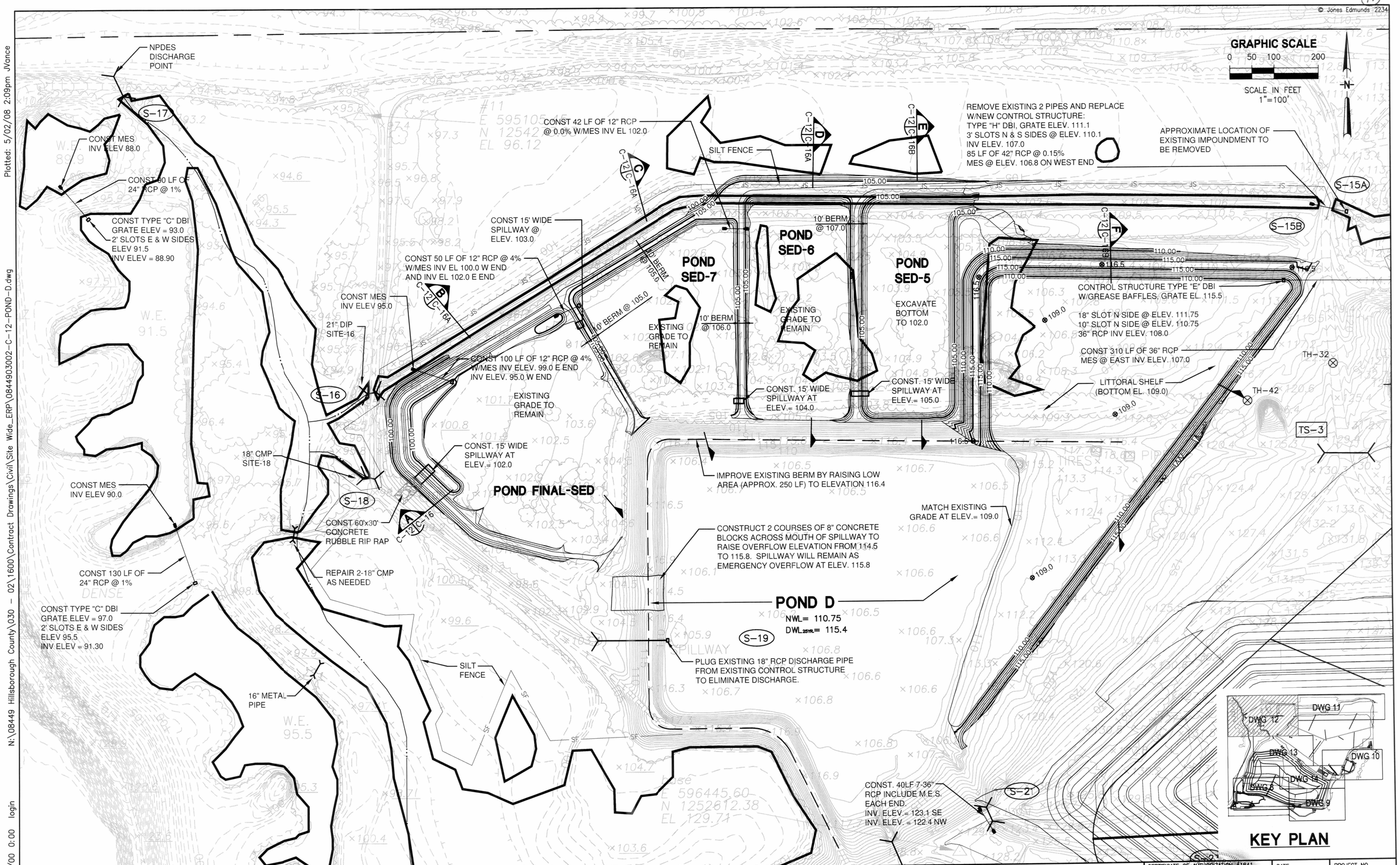

Plotted: 5/02/08 2:09pm JVance

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Edited: 00/00/00 0:00 login

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

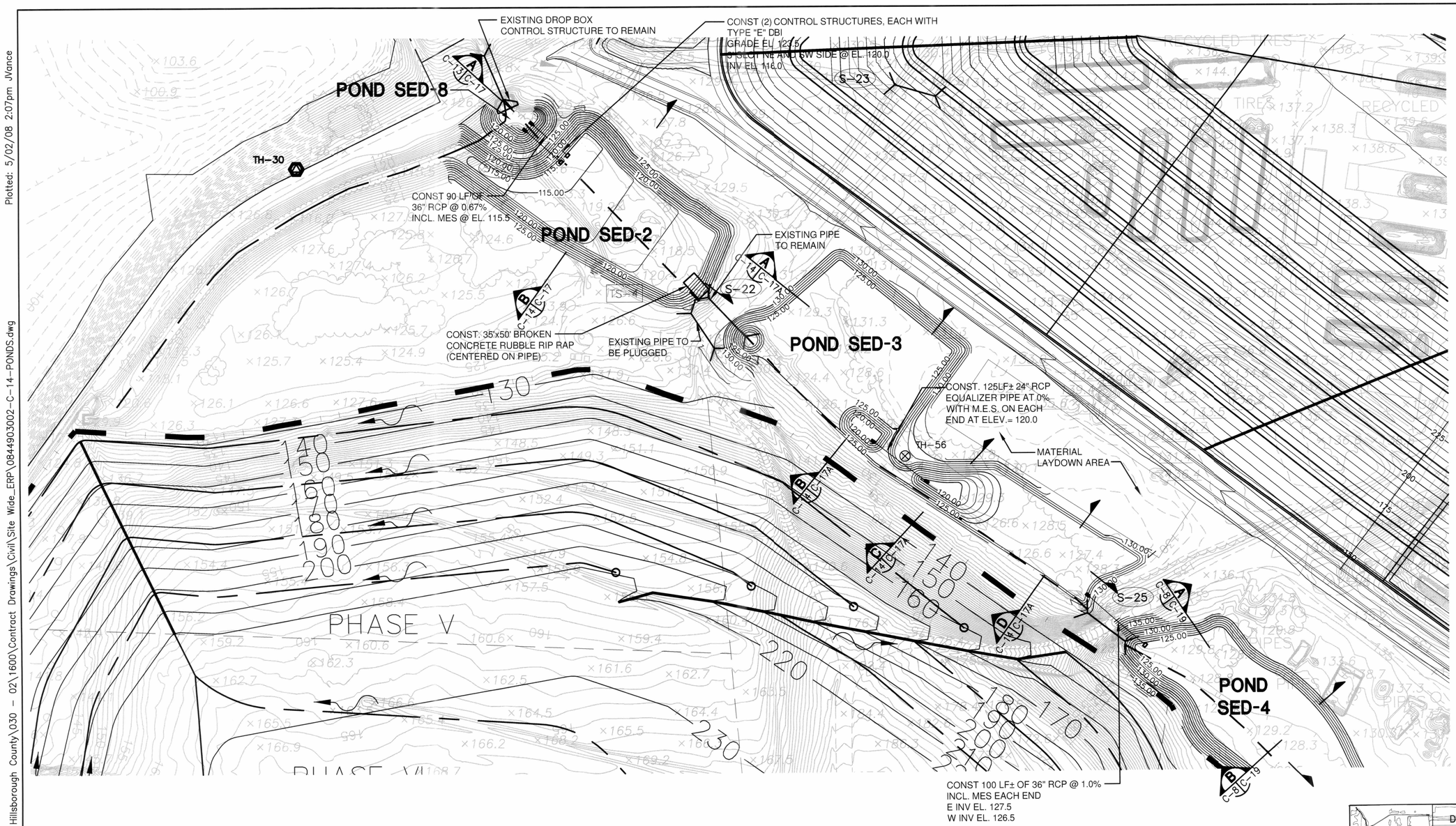
HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
POND D AND POLISHING PONDS

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	12

(13)



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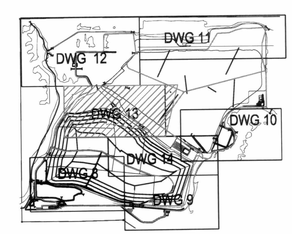
GRAPHIC SCALE

0 50 100 200

SCALE IN FEET
1"=100'



KEY PLAN

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
PONDS SED-2 SED-3 SED-8

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: Jeffrey D. Pequeen No. 47664 STATE OF FLORIDA
5/12/2008
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664

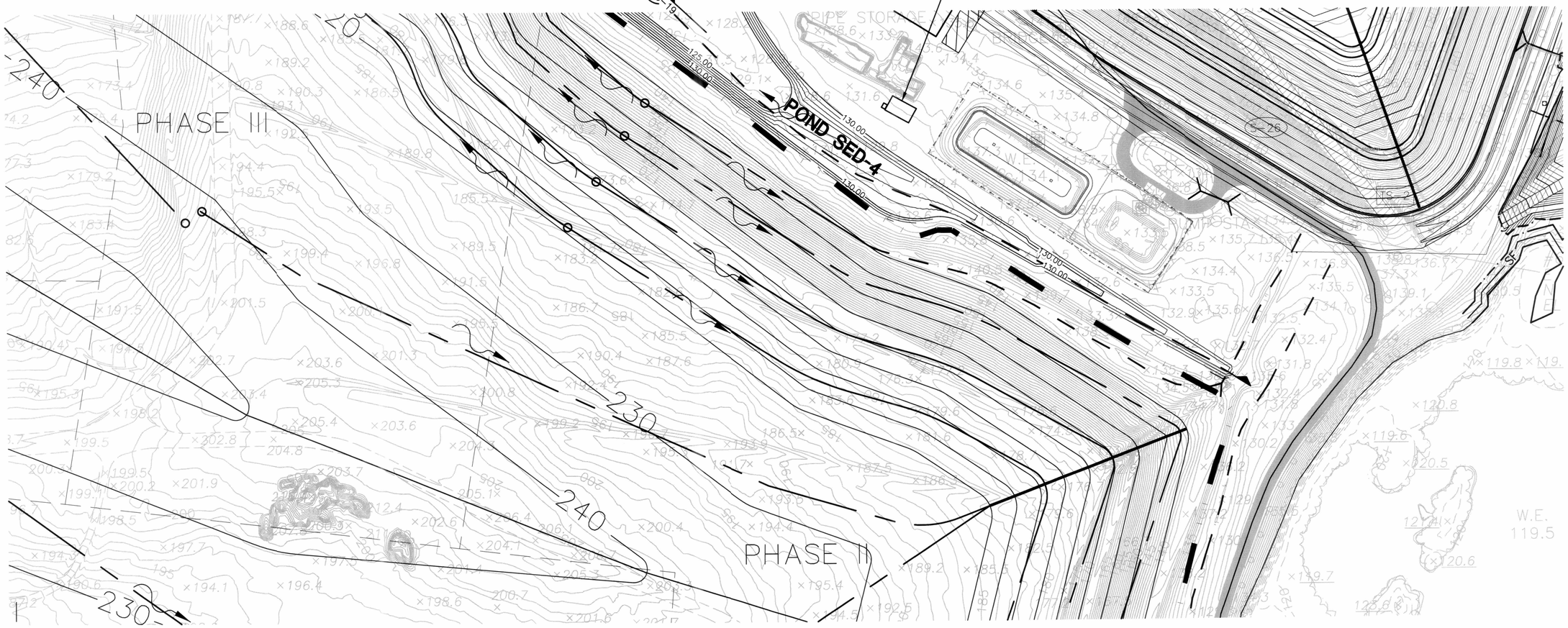
DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	13

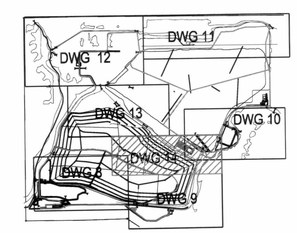
Edited: 00/00/00 0:00 login N:\08449 Hillsborough County\030 - 02\1600\Contract Drawings\Civil\Site Wide_ERP\084490302-C-14-PONDS.dwg Plotted: 5/02/08 2:07pm JVance

(14)

GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1"=100'

N





KEY PLAN

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
POND SED-4

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
DATE MAY 02 2008
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	14

Plotted: 5/02/08 2:08pm JVance

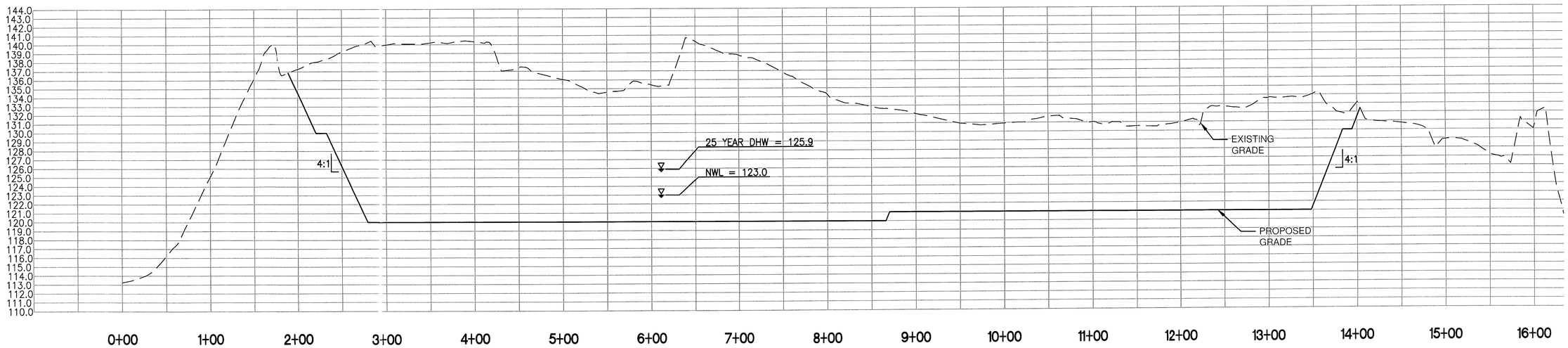
N:\08449 Hillsborough County\030 - 02\1600\Contract Drawings\Civil\Site Wide_ERP\0844903002-C-14-PONDS.dwg

Edited: 00/00/00 0:00 login

(15)

A / C-11 POND-J (SEC-A)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'

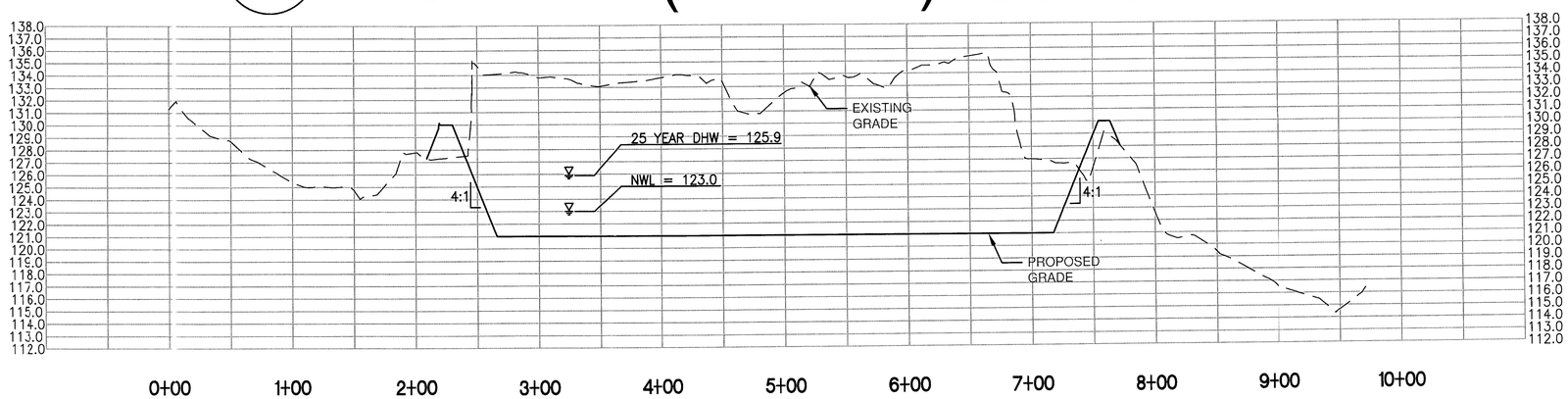


NOTE:

1. SIDE SLOPES 4:1 (TYP) UNLESS OTHERWISE NOTED
2. IN POND J, SOD ALL BERMS AND SIDE SLOPES ABOVE ELEVATION 123.0.

B / C-11 POND-J (SEC-B)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
CROSS SECTIONS

CERTIFICATE OF AUTHORIZATION 21841
APPROVED BY
JEFFREY D. PEQUEEN
STATE OF FLORIDA
P.E. # 47664

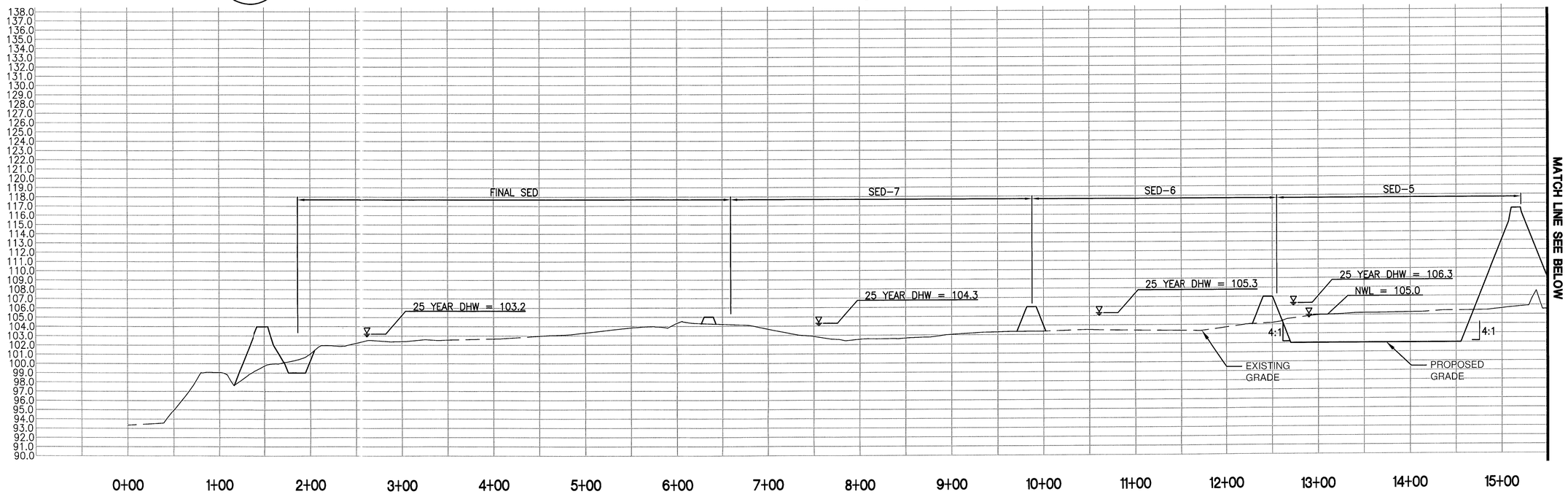
DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	15

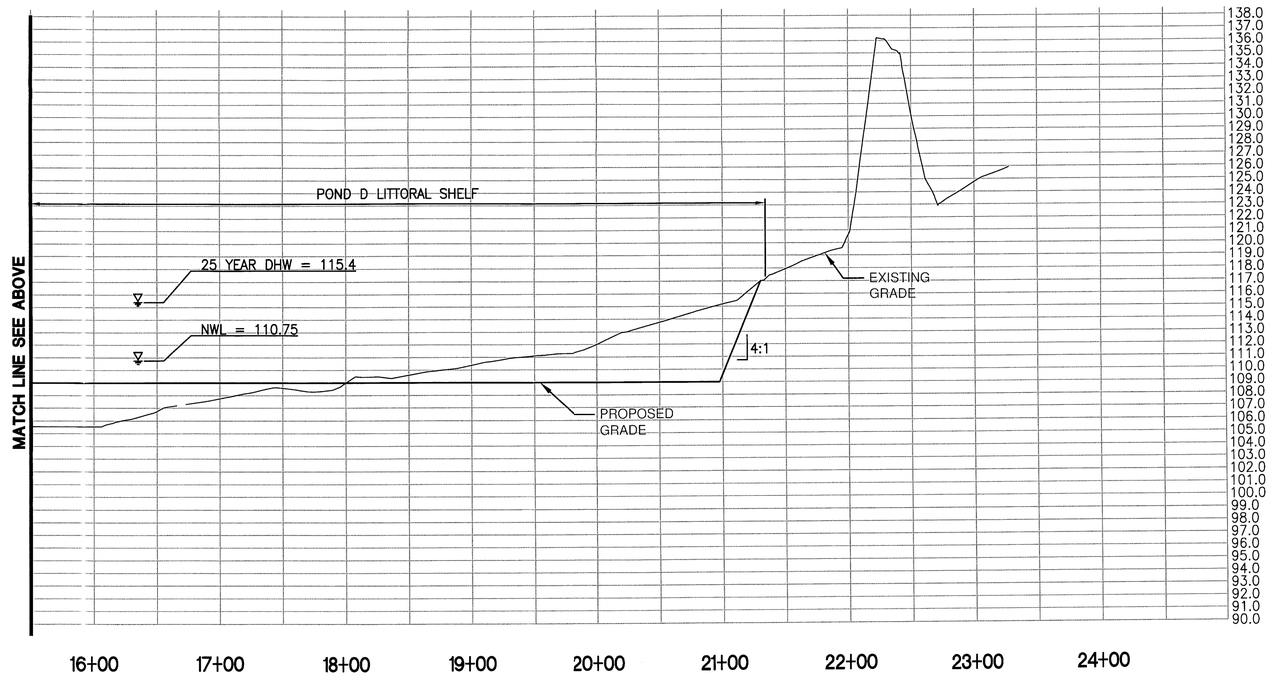
Edited: 00/00/00 0:00 login N:\08449 Hillsborough County\030 - 02\1600\Contract Drawings\Civil\Site Wide_ERP\0844903002-C-15-CIVIL CROSS SECTION-1.dwg Plotted: 5/02/08 2:07pm JVance

(16)

A / C-12 POLISHING PONDS (SEC-A)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'





NOTE:

1. SIDE SLOPES 4:1 (TYP) UNLESS OTHERWISE NOTED
2. IN SED-6, SED-7, AND FINAL-SED, ALL BERMS AND SIDE SLOPES ARE TO BE SODDED BUT INTERIOR OF PONDS TO BE LEFT NATURAL.
3. IN POND SED-5, SOD ALL BERMS AND SIDE SLOPES ABOVE ELEVATION 102.0.
4. IN POND D, SOD ALL BERMS AND SIDE SLOPES ABOVE ELEVATION 110.75.

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
CROSS SECTIONS

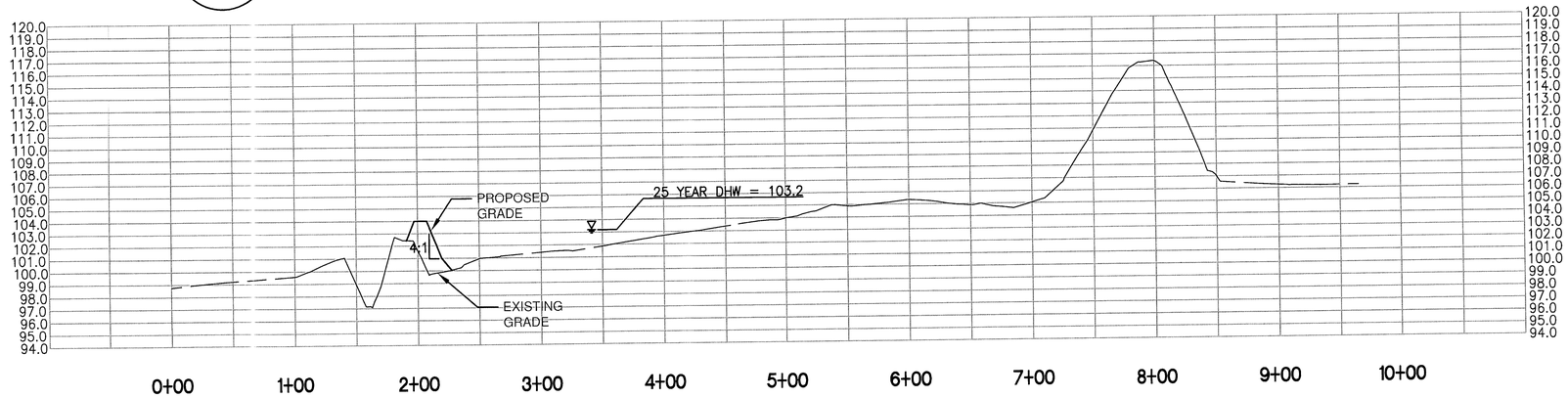
CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
DATE MAY 02 2008
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	16

(17)

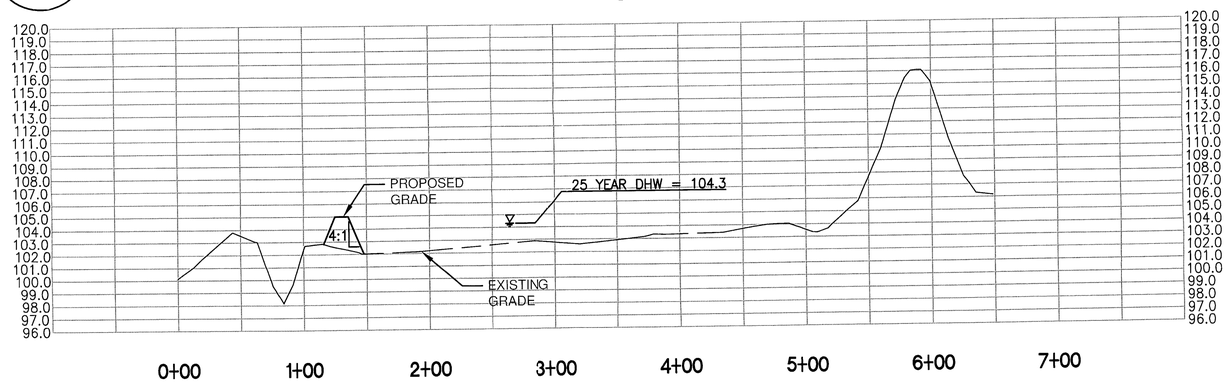
B / C-12 POND FINAL SED (SEC-B)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



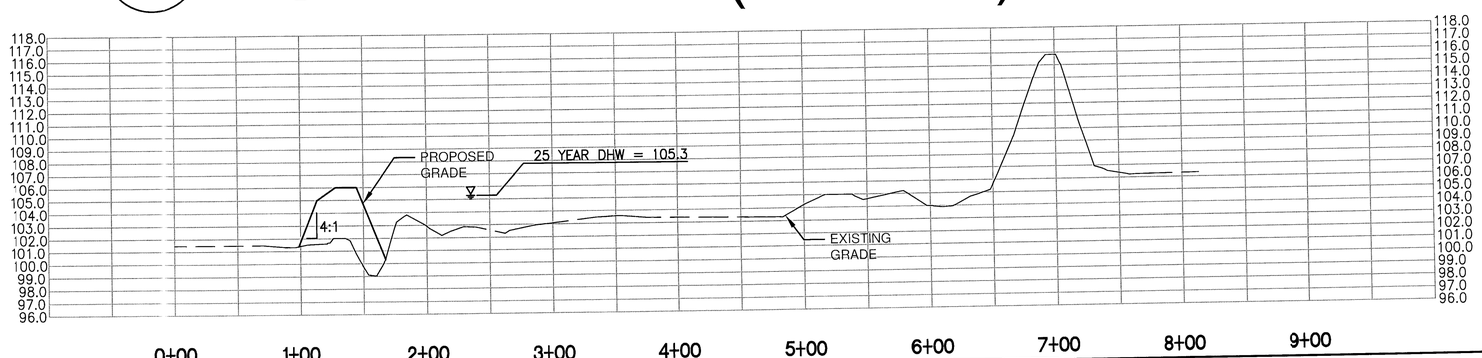
C / C-12 POND SED-7 (SEC-C)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



D / C-12 POND SED-6 (SEC-D)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



NOTE:

1. SIDE SLOPES 4:1 (TYP) UNLESS OTHERWISE NOTED
2. IN SED-6, SED-7, AND FINAL-SED, ALL BERMS AND SIDE SLOPES ARE TO BE SODDED BUT INTERIOR OF PONDS TO BE LEFT NATURAL.
3. IN POND SED-5, SOD ALL BERMS AND SIDE SLOPES ABOVE ELEVATION 102.0

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
CROSS SECTIONS

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
STATE OF FLORIDA
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664
DATE 05/2008

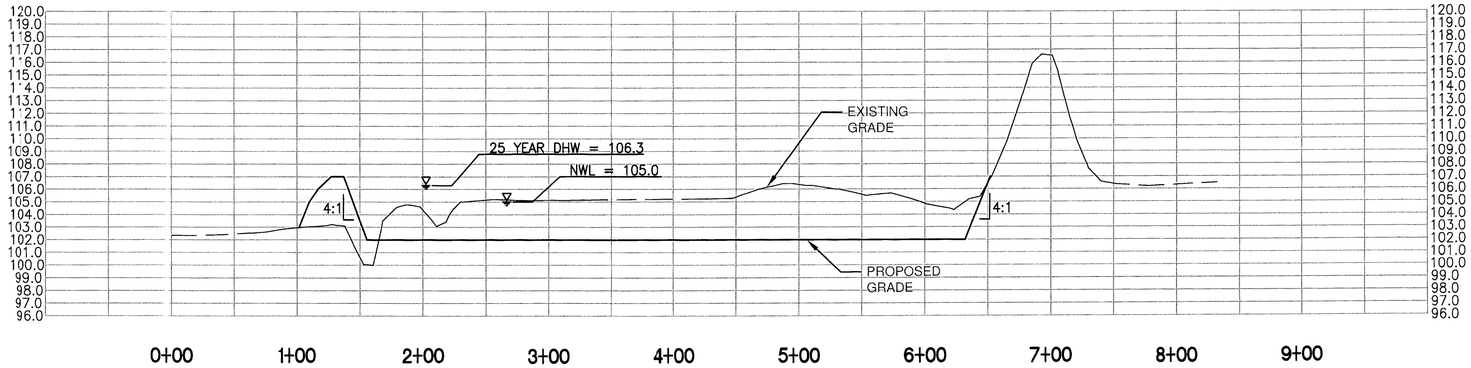
DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	16A

(18)

E
C-12

POND SED-5 (SEC-E)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



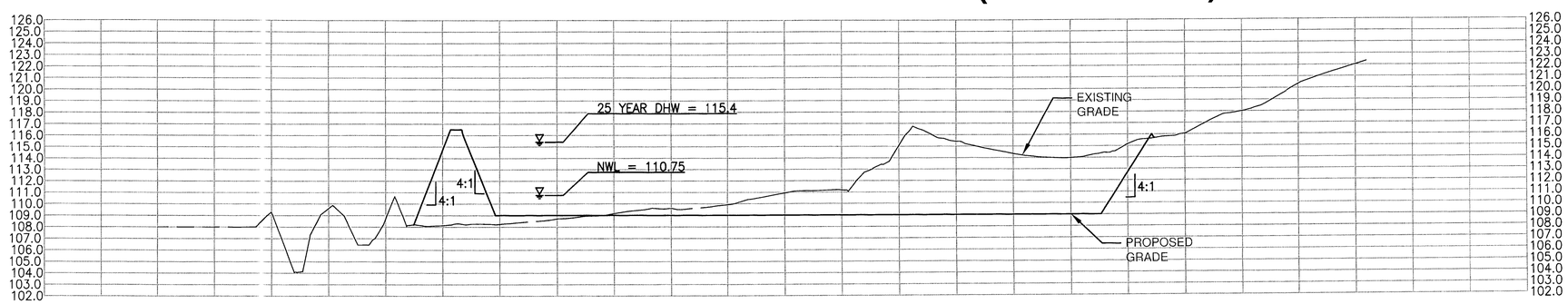
NOTE:

1. SIDE SLOPES 4:1 (TYP) UNLESS OTHERWISE NOTED
2. IN POND SED-5, SOD ALL BERMS AND SIDE SLOPES ABOVE ELEVATION 102.0.
3. IN POND D, SOD ALL BERMS AND SIDE SLOPES ABOVE ELEVATION 110.75.

F
C-12

POND D LITTORAL SHELF (SEC-F)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
CROSS SECTIONS

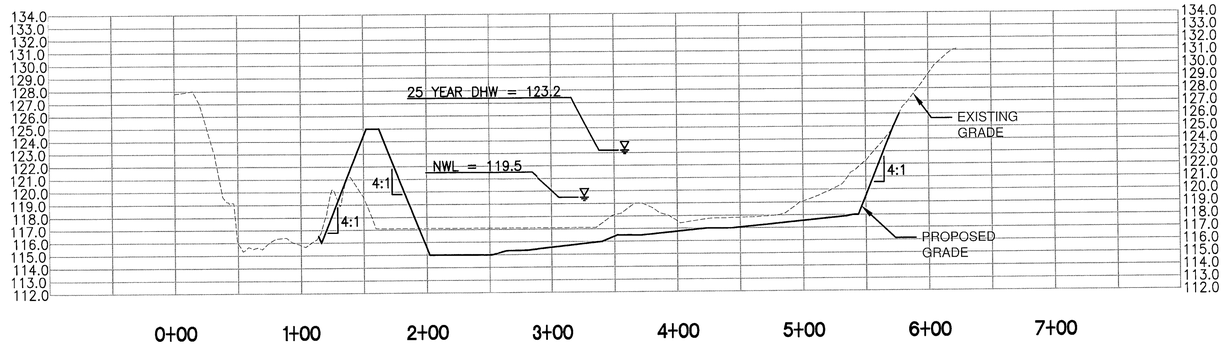
CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	16B

(19)

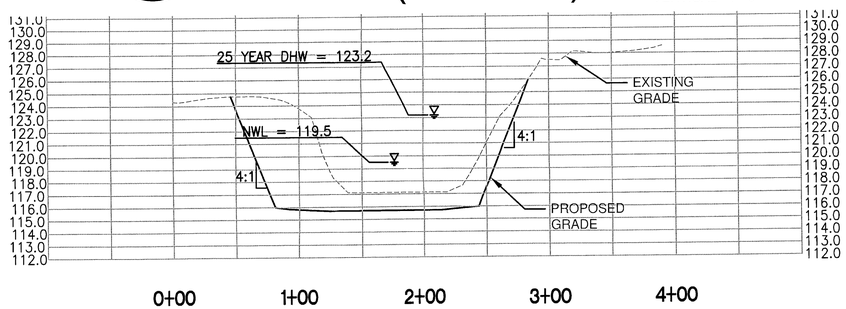
A / C-13 SED-2 (SEC-A)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



B / C-13 SED-2 (SEC-B)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



NOTE:

1. SIDE SLOPES 4:1 (TYP) UNLESS OTHERWISE NOTED

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
CROSS SECTIONS

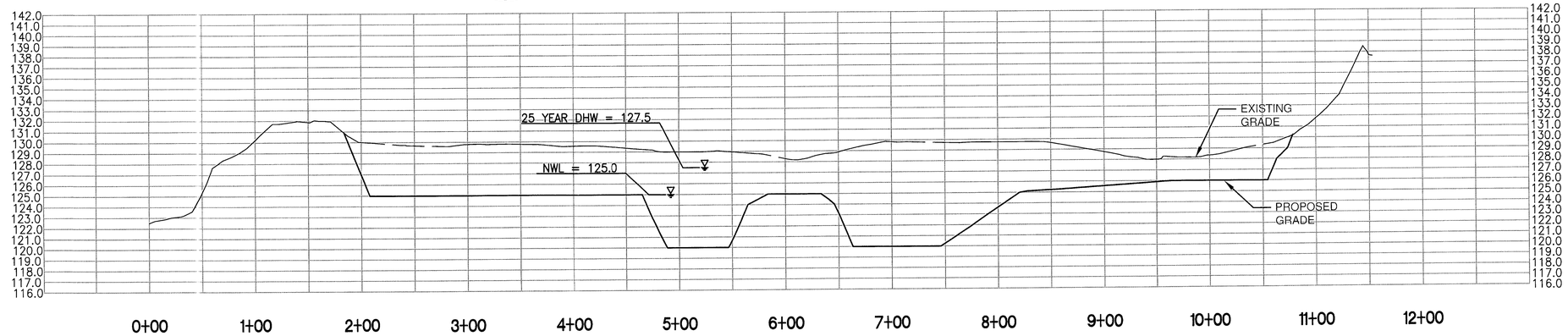
CERTIFICATE OF AUTHORIZATION 4184
APPROVED BY
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664
MAY 0 2 2008

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	17

(20)

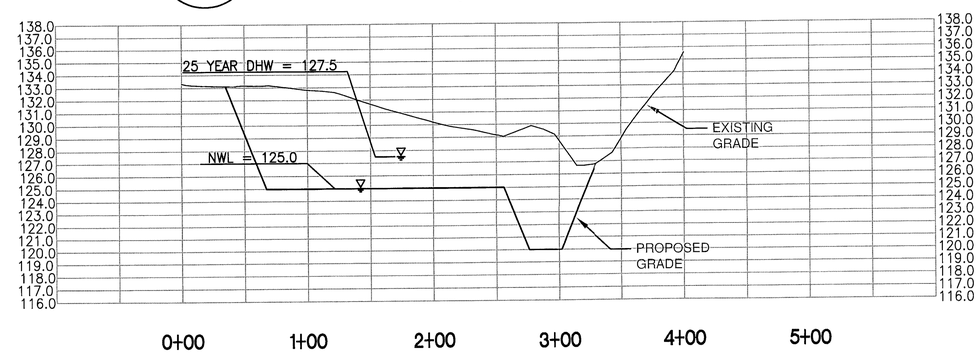
A / C-13 SED-3 (SEC-A)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



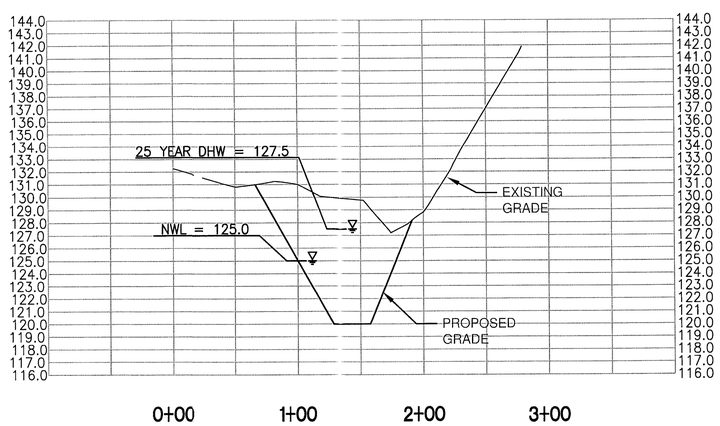
B / C-13 SED-3 (SEC-B)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



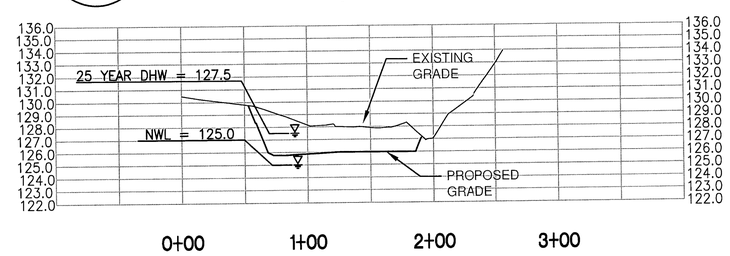
C / C-13 SED-3 (SEC-C)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



D / C-13 SED-3 (SEC-D)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



NOTE:

1. SIDE SLOPES 4:1 (TYP) UNLESS OTHERWISE NOTED.
2. IN POND SED-3, SOD ALL BERMS AND SIDE SLOPES.

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
CROSS SECTIONS

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664 FLORIDA

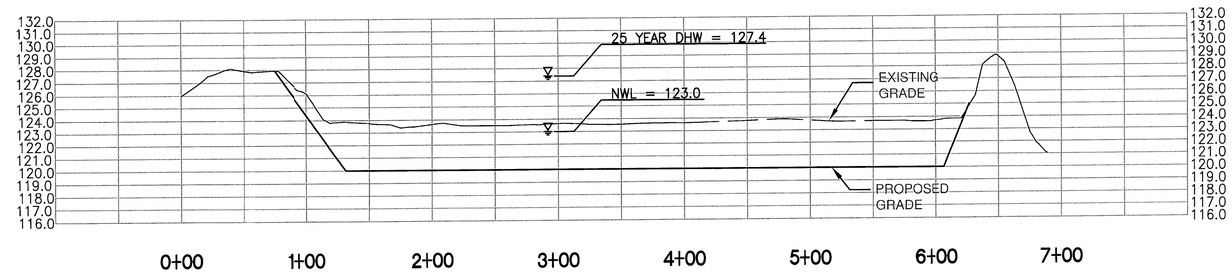
DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	17A

(21)

A
C-8

POND A-1 (SEC-A)

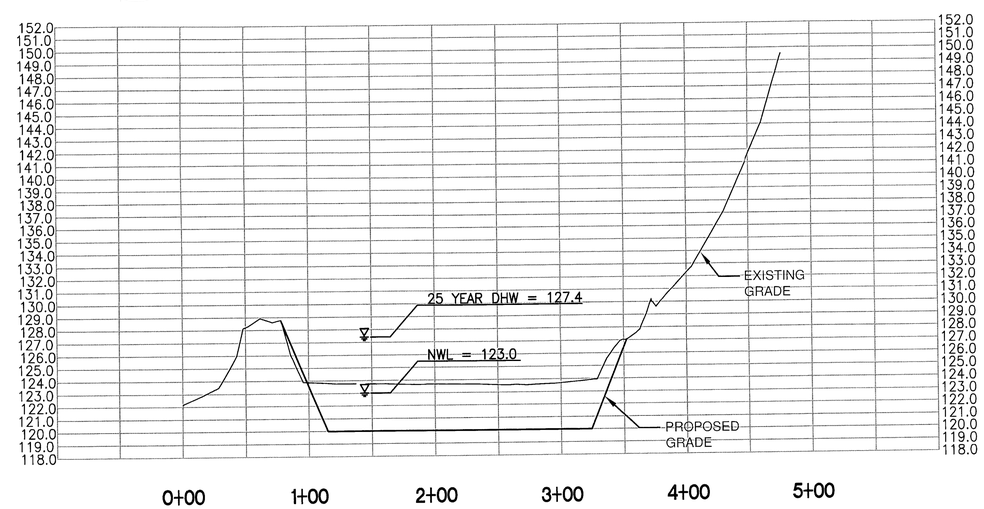
SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



B
C-8

POND A-1 (SEC-B)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



NOTE:

1. SIDE SLOPES 4:1 (TYP) UNLESS OTHERWISE NOTED.
2. IN POND A-1, SOD ALL BERMS AND SIDE SLOPES ABOVE ELEVATION 123.0.

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
CROSS SECTIONS

CERTIFICATE OF AUTHORIZATION 21841
APPROVED BY
STATE OF FLORIDA
JEFFREY D. PEQUEEN, P.E.
P.E. # 47664 FLORIDA
PROFESSIONAL ENGINEER
5/12/2008

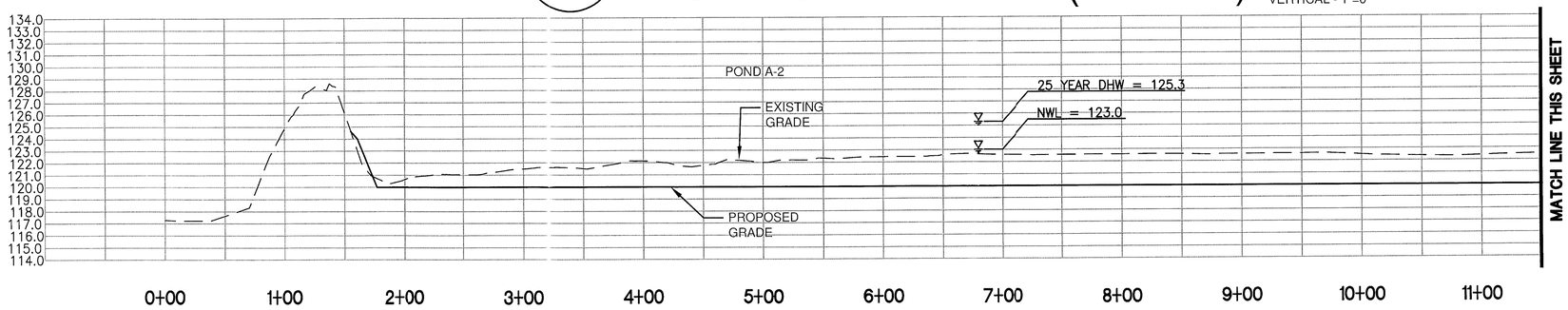
DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	18

Edited: 00/00/00 0:00 login N:\08449 Hillsborough County\030 - 02\1600\Contract Drawings\Civil\Site Wide_ERP\0844903002-C-18-CIVIL CROSS SECTION-4.dwg Plotted: 5/02/08 2:03pm JVance

(22)

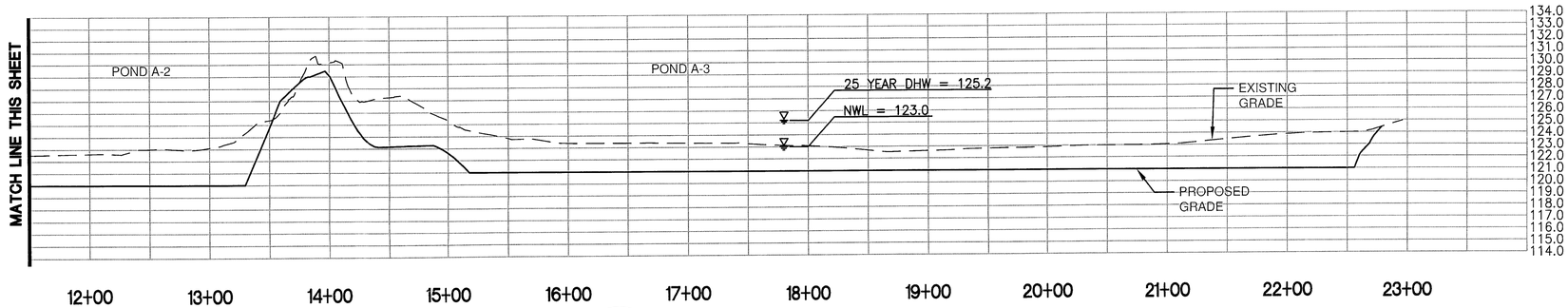
A / C-8 PONDS A-2 & A-3 (SEC-A)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



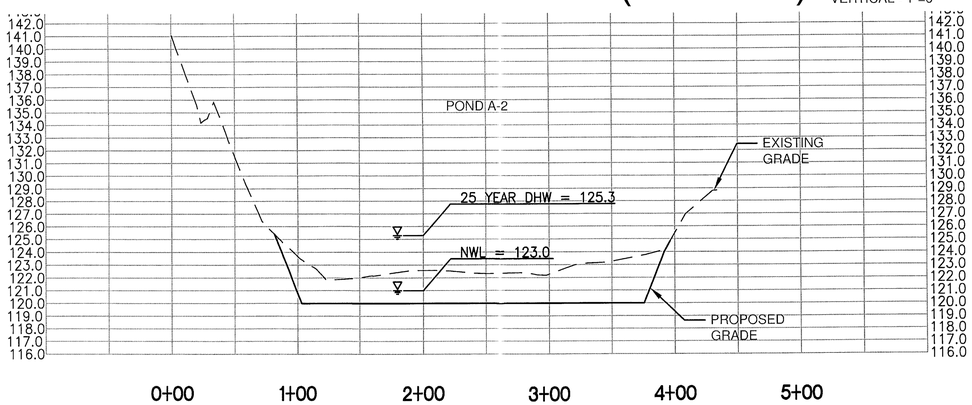
NOTE:

1. SIDE SLOPES 4:1 (TYP) UNLESS OTHERWISE NOTED
2. IN POND A-2 AND A-3, SOD ALL BERMS AND SIDE SLOPES ABOVE ELEVATION 123.0.



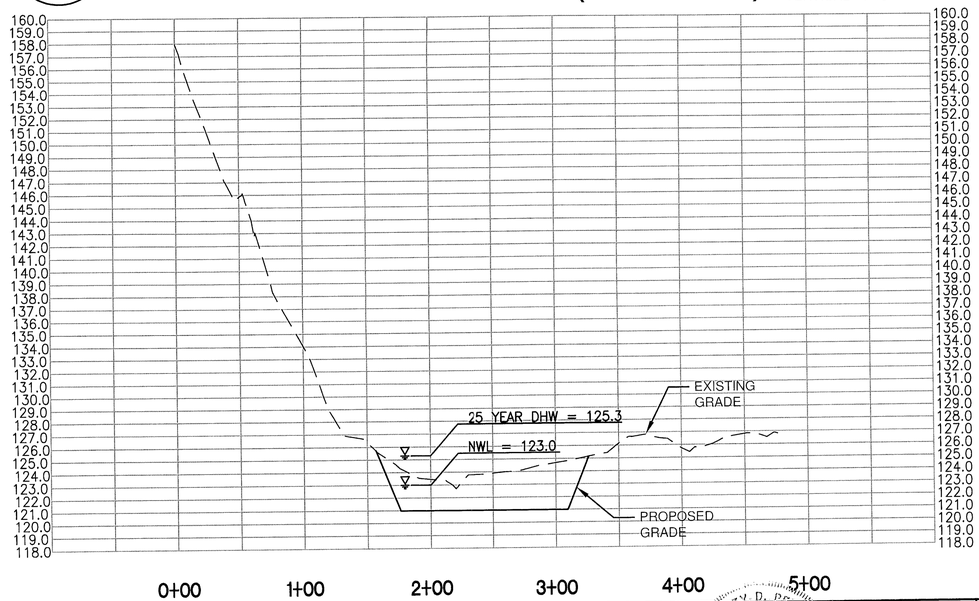
B / C-8 PONDS A-2 & A-3 (SEC-B)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



C / C-8 PONDS A-2 & A-3 (SEC-C)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
CROSS SECTIONS

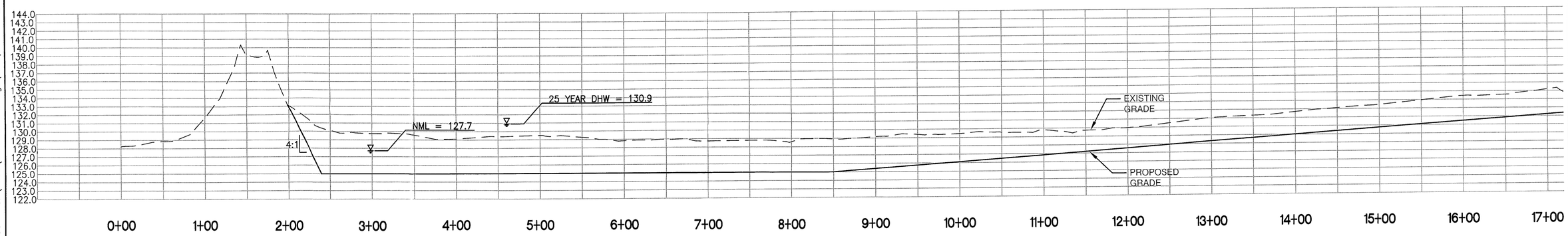
CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
JEFFREY D. PEQUEEN, P.E.
P.E. #47664 FLORIDA
STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	18A

23

A / C-14 POND SED-4 (SEC-A)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



NOTE:

1. SIDE SLOPES 4:1 (TYP) UNLESS OTHERWISE NOTED.
2. IN POND SED-4, SOD ALL BERMS AND SIDE SLOPES.

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
CROSS SECTIONS

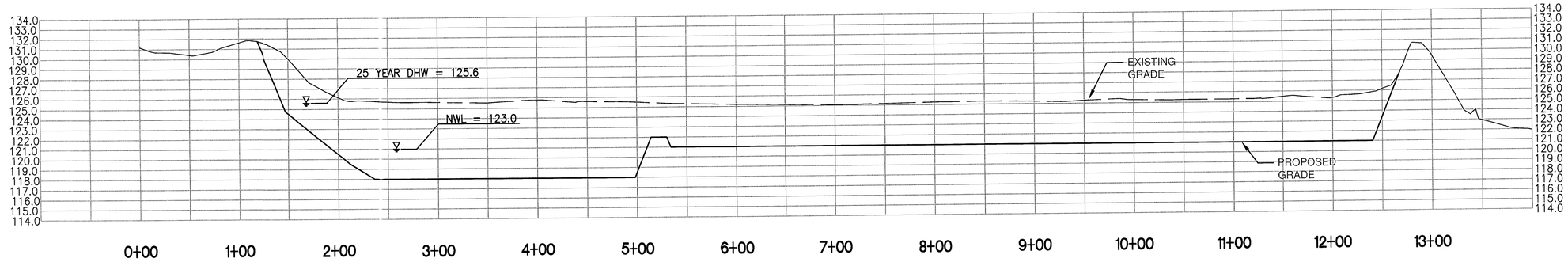
CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: JEFFREY D. PEQUEEN, P.E.
P.E. # 47664 FLORIDA PROFESSIONAL ENGINEER
MAY 2 2008

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	19

(24)

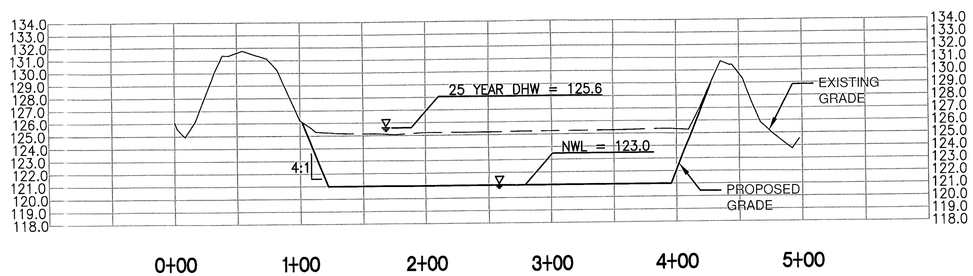
A C-9 POND B (SEC-A)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



B C-9 POND B (SEC-B)

SCALE:
HORIZONTAL - 1"=60'
VERTICAL - 1"=6'



NOTE:

1. SIDE SLOPES 4:1 (TYP) UNLESS OTHERWISE NOTED.
2. IN POND SED-4, SOD ALL BERMS AND SIDE SLOPES.

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
CROSS SECTIONS

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: JEFFREY D. PROUDEEN, P.E.
P.E. # 47664

DATE 05/2008
PROJECT NO. 08449-030-02
SCALE AS SHOWN
DWG. NO. 20

DIMENSIONS AND QUANTITIES

	D	X	A	B	C	E	F	G	M Single Pipe	M Double Pipe	M Triple Pipe	M Quad. Pipe	N	5½" CONCRETE SLAB (CY) ◪ Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	SODDING (SQ. YDS.) Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe
1:2 Slope	15"	2'-7"	1.92'	2.18'	4.10'	2.06'	5'	1.28'	4.63'	7.21'	9.79'	12.37'	1.19'	0.38	0.58	0.77	0.96	21	24	27	30
	18"	2'-10"	1.97'	2.74'	4.71'	2.56'	6'	1.41'	4.92'	7.75'	10.58'	13.42'	1.21'	0.44	0.65	0.87	1.09	22	25	28	31
	24"	3'-5"	2.06'	3.85'	5.91'	3.56'	7'	1.73'	5.50'	8.92'	12.33'	15.75'	1.25'	0.54	0.83	1.12	1.42	24	28	32	35
	30"	4'-3"	2.15'	4.95'	7.10'	4.56'	8'	2.00'	6.08'	10.33'	14.58'	18.83'	1.29'	0.66	1.09	1.50	1.91	26	31	35	40
	36"	5'-1"	2.25'	6.08'	8.33'	5.56'	9'	2.24'	6.67'	11.75'	16.83'	21.92'	1.33'	0.81	1.38	1.95	2.51	28	34	39	45
	42"	6'-0"	2.34'	7.29'	9.55'	6.56'	10'	2.45'	7.25'	13.25'	19.25'	25.25'	1.38'	0.97	1.70	2.46	3.19	30	37	43	50
	48"	6'-9"	2.43'	8.33'	10.76'	7.56'	11'	2.65'	7.83'	14.58'	21.33'	28.08'	1.42'	1.13	2.04	2.93	3.84	32	39	47	54
	54"	7'-8"	2.52'	9.44'	11.96'	8.56'	12'	2.83'	8.42'	16.08'	23.75'	31.42'	1.46'	1.31	2.44	3.58	4.72	34	42	51	59
	60"	8'-6"	2.62'	10.56'	13.18'	9.56'	14'	3.00'	9.00'	17.50'	26.00'	34.50'	1.50'	1.51	2.89	4.28	5.68	36	45	55	64
	66"	9'-2"	2.71'	11.68'	14.39'	10.56'	15'	3.18'	9.58'	18.75'	27.92'	37.08'	1.54'	1.68	3.25	4.84	6.43	38	48	58	68
	72"	10'-0"	2.80'	12.80'	15.60'	11.56'	16'	3.30'	10.16'	20.16'	30.16'	40.16'	1.58'	1.89	3.74	5.59	7.45	40	51	62	73
1:4 Slope	15"	2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.29'	4.63'	7.21'	9.79'	12.37'	1.19'	0.57	0.87	1.15	1.44	23	26	29	32
	18"	2'-10"	2.36'	5.12'	7.49'	5.03'	9'	1.41'	4.92'	7.75'	10.58'	13.42'	1.21'	0.66	0.99	1.31	1.65	26	28	31	35
	24"	3'-5"	2.53'	7.18' △	9.71'	7.03'△	11'	1.73'	5.50'	8.92'	12.33'	15.75'	1.25'	0.85	1.30	1.75	2.20	28	32	36	40
	30"	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	6.08'	10.33'	14.58'	18.83'	1.29'	1.10	1.74	2.39	3.05	31	36	41	46
	36"	5'-1"	2.87'	11.31' ◇	14.18'	11.03'◇	15'	2.24'	6.67'	11.75'	16.83'	21.92'	1.33'	1.32	2.21	3.08	3.96	34	40	46	52
	42"	6'-0"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	7.25'	13.25'	19.25'	25.25'	1.38'	1.58	2.76	3.91	5.09	38	44	51	58
	48"	6'-9"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	7.83'	14.58'	21.33'	28.08'	1.42'	1.85	3.30	4.73	6.17	41	48	56	63
	54"	7'-8"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	8.42'	16.08'	23.75'	31.42'	1.46'	2.14	3.95	5.77	7.58	44	52	61	69
	60"	8'-6"	3.56'	19.55'	23.11'	19.03'	23'	3.00'	9.00'	17.50'	26.00'	34.50'	1.50'	2.45	4.66	6.87	9.07	47	56	66	75
	66"	9'-2"	3.73'	21.62'	25.35'	21.03'	25'	3.18'	9.58'	18.75'	27.92'	37.08'	1.54'	2.88	5.54	8.18	10.84	49	59	69	80
	72"	10'-0"	3.91'	23.68'	27.59'	23.03'	27'	3.30'	10.16'	20.16'	30.16'	40.16'	1.58'	3.54	6.61	9.87	13.13	52	63	74	85

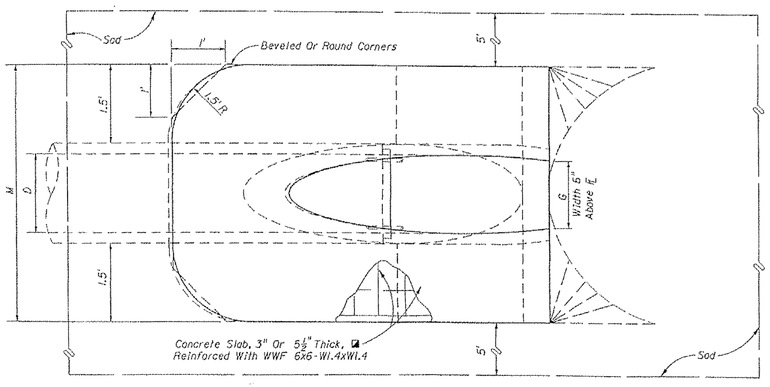
◪ See General Note No. 3.
See Sheet 5 Of 6 For 3" Slab Quantities

	B	E
△	6.42'	△ 6.25'
◇	10.40'	◇ 10.10'

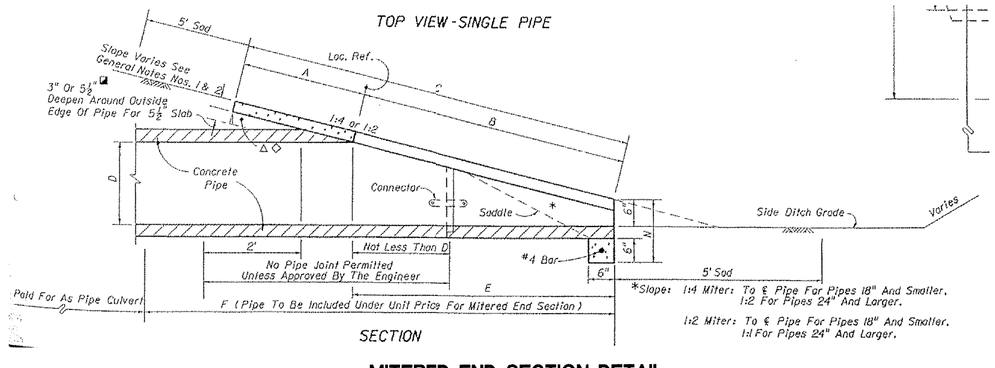
△ 6.42' △ 6.25' Dimensions permitted to allow use of 8' standard pipe lengths.

◇ 10.40' ◇ 10.10' Dimensions permitted to allow use of 12' standard pipe lengths.

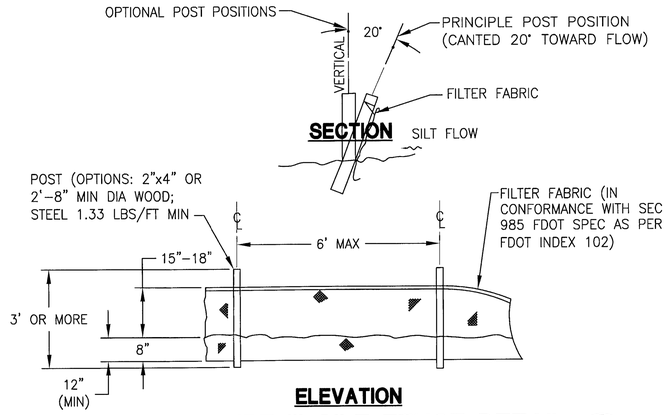
△◇ Concrete slab shall be deepened to form bridge across crown of pipe. See section below



TOP VIEW - SINGLE PIPE MITERED END DETAIL

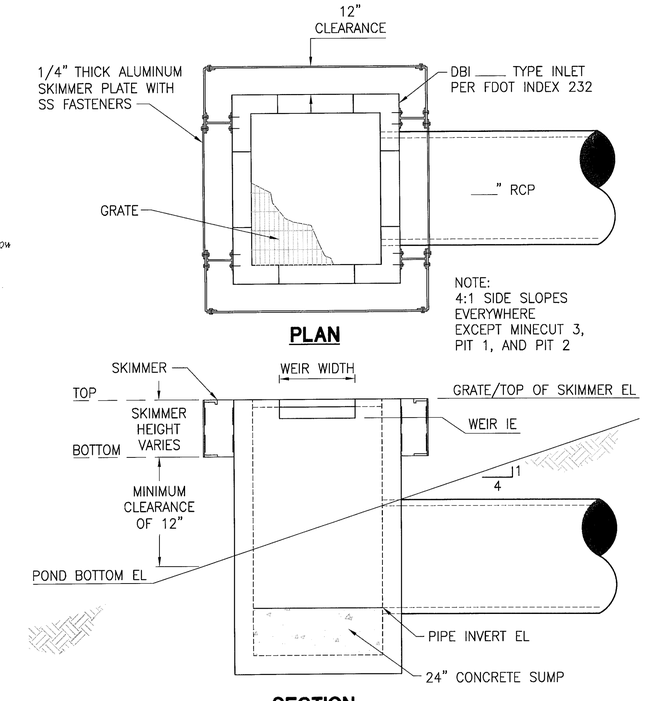


MITERED END SECTION DETAIL



TYPICAL TYPE III SILT FENCE DETAIL

NTS



OVERFLOW CONTROL STRUCTURE DETAIL

NTS

OVERFLOW CONTROL STRUCTURE TABLE

LOCATION	DBI TYPE	GRATE ELEVATION	WEIR/SLOT WIDTH, LOCATION AND ELEVATION	SKIMMER ELEVATION (TOP AND BOTTOM)	PIPE SIZE, LOCATION AND INVERT ELEVATION	POND BOTTOM ELEVATION
POND-D	E	115.50	18" N SIDE @ 111.75 10" N SIDE @ 110.75	115.50 110.25	36" RCP E SIDE @ 108.0	109.00
MINE CUT-3	H	111.10	36" N & S SIDES @ 110.10	N/A	42" W SIDE @ 107.0	UNKNOWN (STEEP SIDE SLOPES)
PIT-1	C	97.00	24" E & W SIDES @ 95.50	N/A	24" RCP N SIDE @ 91.30	UNKNOWN (STEEP SIDE SLOPES)
PIT-2	C	93.00	24" NE & SW SIDES @ 91.50	N/A	24" RCP NW SIDE @ 93.00	UNKNOWN (STEEP SIDE SLOPE)
POND-J	E	126.10	36" N SIDE @ 123.70 7" N SIDE @ 123.00	126.10 122.5	36" RCP E SIDE @ 120.00	121.00
POND-B (2) STRUCTURES B1 AND B2	E	126.30	(BOTH: 36" N & S SIDES @ 123.60) (B1 ONLY: 15" S SIDE @ 123.00)	126.30 122.50	36" RCP E SIDE @ 121.70	121.00
POND-A1	E	127.50	18" ORIFICE N SIDE @ 123.00	N/A	30" RCP S SIDE @121.00	120.00
POND SED-2 (2) STRUCTURES 2A AND 2B	E	123.50	36" NE AND SW SIDE @ 119.5	N/A	36" RCP NW SIDE @ 116.00	115.00

LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JDP
DRAWN DLW
CHECKED JET/JHO

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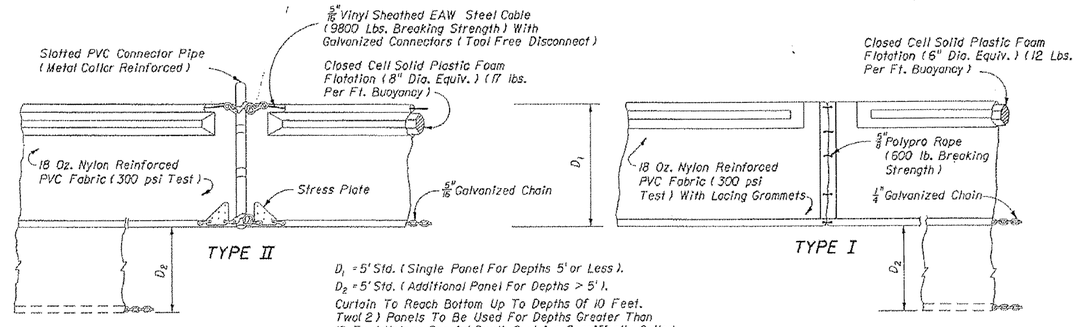
HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
CIVIL DETAILS

CERTIFICATE OF AUTHORIZATION 21641
APPROVED BY
JEFFREY D. PEQUEEN, P.E.
P.E. # P.E. 47664

DATE	PROJECT NO.
05/2008	08449-030-02
SCALE	DWG. NO.
AS SHOWN	21

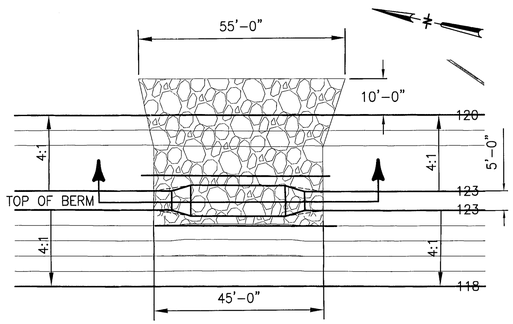
PIPE DATA TABLE					
Structure No	Type of Structure	Upper End	Lower End	Diameter (in)	Length
S-1A	RCP	116.24 (E)	115.82 (W)	18.00	39.97
S-1B	RCP	115.45 (E)	114.93 (W)	36.00	115.45
S-2	ERCP	124.83 (E)	124.72 (W)	14x22	92.38
S-3	CMP	122.96 (S)	122.07 (N)	36.00	81.19
S-4	ERCP	124.98 (S)	124.91 (N)	14X22	47.87
S-5	ERCP	124.44 (N)	125.34 (S)	14X22	73.39
S-6	This point is not depicted in the plan				
S-7	CMP	122.316 (E)	122.065 (W)	24.00	37.00
S-8	ERCP	130.71 (S)	130.45 (N)	33X52	100.67
	ERCP	130.65 (S)	130.52 (N)	34X54	100.39
S-9	CMP	123.90 (W)	123.64 (E)	24.00	343.74
S-10	RCP	121.73 (E)	121.62 (W)	48.00	100.06
	RCP	121.53 (E)	121.49 (W)	24.00	17.96
S-11	This point is not depicted in the plan				
S-12A	RCP	121.79 (W)	121.35 (E)	30.00	169.40
S-12B	RCP	121.45 (W)	121.39 (E)	48.00	50.37
S-13	RCP	121.69 (S)	120.71 (N)	24.00	104.48
	RCP	121.75 (S)	120.86 (N)	24.00	104.56
S-14	RCP	120.35 (E)	118.806 (W)	24.00	104.90
	RCP	120.43 (E)	118.956 (W)	24.00	48.75
S-15A	RCP	106.852 (W)	106.832 (E)	18.00	48.75
S-15B	RCP	106.772 (E)	106.682 (W)	18.00	47.60
S-16	Steel	94.87 (E)	94.62 (W)	24 (W) – 21(E)	22.04
	Steel (E) – ECMP (W)	94.97 (E)	94.81 (W)	21 (E) – 22X24 (W)	20.98
S-17	RCP	90.98 (N)	90.69 (S)	48.00	50.51
	RCP	90.87 (N)	90.62 (S)	48.00	50.71
S-18	CMP	95.47 (E)	95.09 (W)	18.00	19.89
S-19	RCP	101.16 (E)	100.91 (W)	48.00	161.35
S-20	CMP	115.32 (N)	114.60 (S)	48.00	90.98
	CMP	115.48 (N)	114.73 (S)	48.00	91.11
S-21	RCP	123.16 (N)	122.95 (S)	36.00	34.84
S-22	RCP	121.112 (S)	120.623 (N)	36.00	88.74
S-23	CMP	131.153 (E)	129.551 (W)	30.00	79.75
S-24	ERCP	146.44 (E)	145.05 (W)	12X18	91.04
S-25	CMP	127.404 (E)	126.607 (W)	36.00	74.93
	CMP	127.513 (E)	126.692 (W)	36.00	75.48
S-26	This point is not depicted in the plan				
S-27	CMP	123.03 (E)	123.00 (W)	18.00	24.15
S-28	This point is not depicted in the plan				
TS-2	ERCP	130.05 (W)	129.18 (E)	48X96	74.73
TS-3	RCP	129.007 (E)	128.157 (W)	18.00	98.07
TS-4	RCP	123.58 (S)	122.355 (N)	36.00	80.83
TS-5	REMOVED				
TS-6	Metal	125.94 (N)	125.55 (S)	20.00	29.65
	CMP	125.90 (N)	125.68 (S)	36.00	19.59



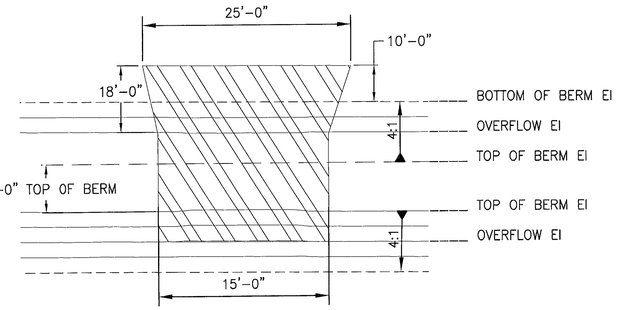
D_1 = 5' Std. (Single Panel For Depths 5' or Less).
D_2 = 5' Std. (Additional Panel For Depths > 5').
Curtain To Reach Bottom Up To Depths Of 10 Feet. Two(2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Called For In The Plans Or As Determined By The Engineer.

NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

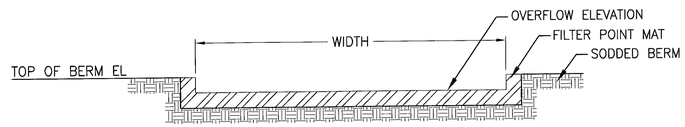


PLAN INTERNAL SPILLWAY IN POND-B



DISCHARGE OVERFLOW SPILLWAY PLAN FOR PONDS SED-5, SED-6, SED-7 AND FINAL SED

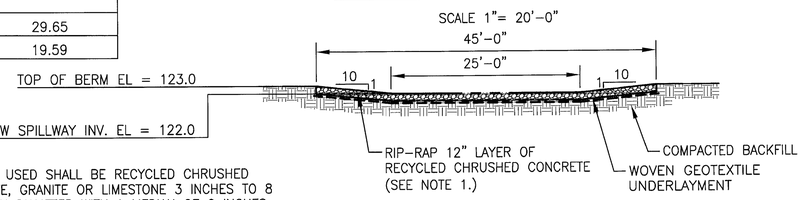
NTS



DISCHARGE OVERFLOW SPILLWAY DETAIL FOR PONDS SED 5, SED-6, SED-7, FINAL SED

NTS

SCALE 1"= 20'-0"



NOTE:
RIP-RAP USED SHALL BE RECYCLED CHRUSHED CONCRETE, GRANITE OR LIMESTONE 3 INCHES TO 8 INCHES IN DIAMETER WITH A MEDIAN OF 6 INCHES. WOVEN GEOTEXTILE SHALL MEET THE REQUIREMENTS OF SECTION 02771 OF THE PROJECT SPECIFICATIONS.

SECTION

NTS

INTERNAL SPILLWAY IN POND-B DETAIL

POND	TOP OF BERM ELEVATION	OVERFLOW ELEVATION	WIDTH	BOTTOM OF BERM ELEVATION
SED-5	107.00	105.00	180"	103.00
SED-6	106.00	104.00	180"	102.00
SED-7	105.00	103.00	180"	101.00
FINAL SED	104.00	102.00	180"	100.00

LTR.	DATE	REVISIONS	BY	APPRD.

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P.E. # 47664 JEFFREY D. PEQUEEN, P.E.
STATE OF FLORIDA
MAY 02 2008

DATE 05/2008
PROJECT NO. 08449-030-02
SCALE AS SHOWN
DWG. NO. 22