

Plotted: 7/14/08 4:17pm dwhite

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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 304 (PLACING)
ACI 306 (WINTER CONCRETING) ACI 315 (DETAILING)
ACI 305 (HOT WEATHER CONCRETING) ACI 347 (FORM WORK)
ACI 211.1 (MIX PROPORTIONING)
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.

Dept. of Environmental Protection

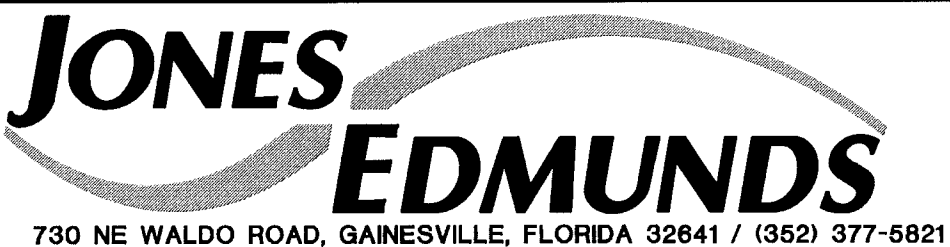
JUL 16 2008

Southwest District

| WETLAND MITIGATION PLANTING PLAN | |
|--|---|
| WETLAND SPECIES | HERBACEOUS UNITS REQUIRED FOR MITIGATION PLANTING |
| <i>SCIRPUS CALIFORNICUS</i> OR <i>S. VALIDUS</i> | 2,710 |
| <i>THALIA GENICULATA</i> | 2,033 |
| <i>SAGITTARIA LANCIFOLIA</i> | 2,033 |
| <i>PONTEDERIA CORDATA</i> | 2,033 |
| <i>IRIS HEXAGONA</i> | 1,355 |
| <i>NUPHAR LUTEA</i> | 1,355 |
| <i>NYMPHAEA ODORATA</i> | 2,033 |
| TOTAL | 13,552 |

THE SED 5 WETLAND CREATION MITIGATION PLAN CONSISTS OF A WETLAND VEGETATIVE COVER (BOTH PLANTINGS AND NATURAL RECRUITMENT) OF THE LITTORAL AREAS BELOW THE IDENTIFIED CONTROL ELEVATION - 105 (FIGURE 6.1 AND DWG NO.12). DESIRABLE HERBACEOUS WETLAND SPECIES INCLUDE BULRUSH (*SCIRPUS CALIFORNICUS* OR *S. VALIDUS*) FIRE FLAG (*THALIA GENICULATA*), ARROW-HEAD (*SAGITTARIA LANCIFOLIA*), PICKERELWEED (*PONTEDERIA CORDATA*), PRAIRIE IRIS (*IRIS HEXAGONA*), SPATTERDOCK (*NUPHAR LUTEA*), AND WATER LILY (*NYMPHAEA ODORATA*) WILL BE PLANTED ON 3-FOOT CENTERS TO ESTABLISH DESIRABLE NATIVE SPECIES TO MINIMIZE ESTABLISHMENT OF EXOTIC OR NUISANCE SPECIES. SUBSTITUTION OF SIMILAR WETLAND VEGETATION IS ALLOWED WITH PRIOR APPROVAL. ALL WETLAND SPECIES WILL BE AT LEAST 4-INCH POT MINIMUM OR EQUIVALENT. IN ADDITION, NO INDIVIDUAL PLANT SPECIES WILL EXCEED 33% OF THE REQUIRED PLANTING UNITS WITHOUT PRIOR AUTHORIZATION (I.E., INDIVIDUAL SPECIES CANNOT EXCEED 4,473 UNITS)

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| | | | | | | DESIGNED | JDP |
| | | | | | | DRAWN | DLW |
| | | | | | | CHECKED | JET/JHO |
| LTR. | DATE | REVISIONS | | | BY | APPRO. | |



HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

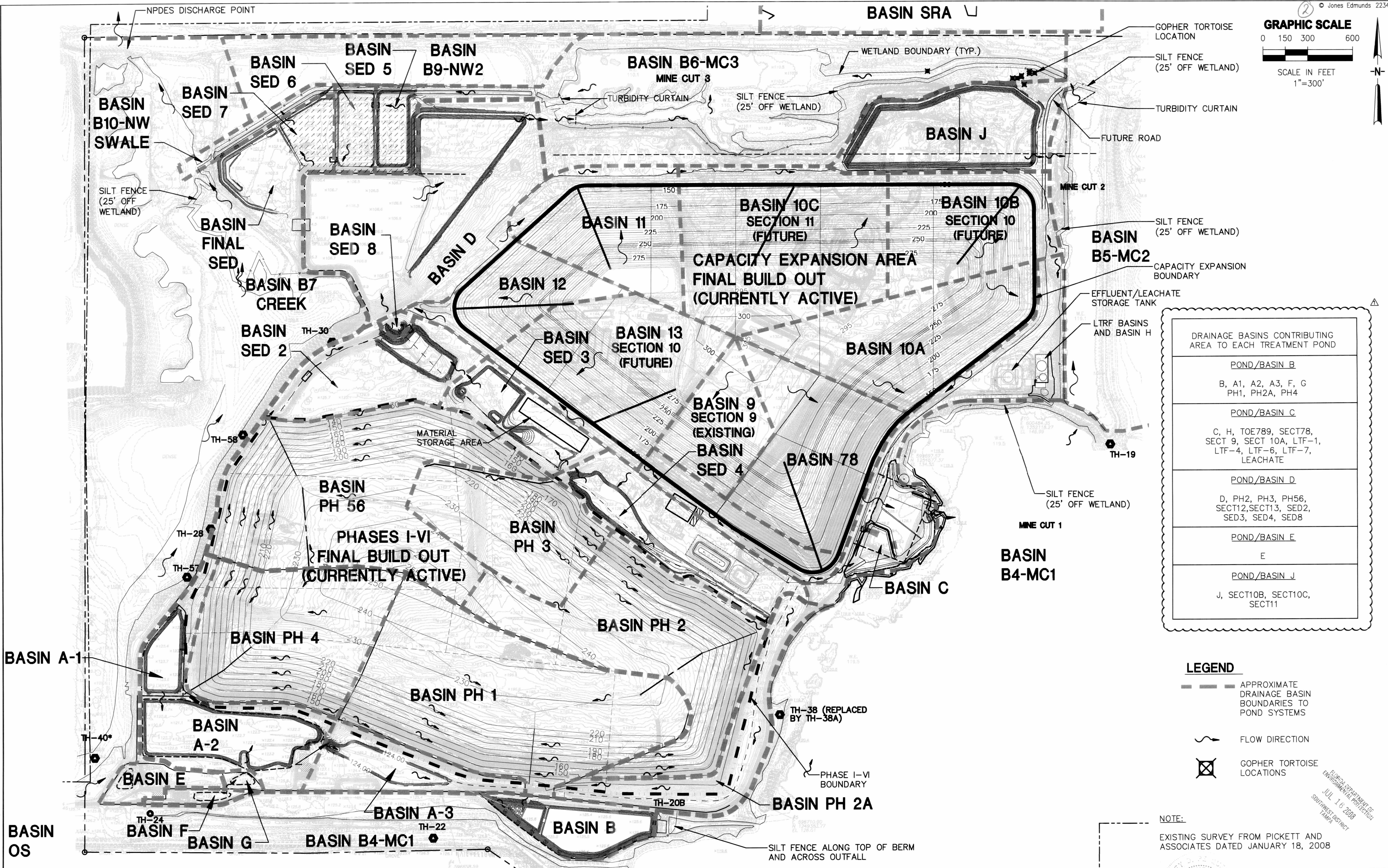
STORMWATER MANAGEMENT PLANS
GENERAL NOTES

| | | | |
|---|--|-------------------|---------------|
| CERTIFICATE OF AUTHORIZATION #1841 | | DATE | PROJECT NO. |
| APPROVED BY: JEFFREY D. PFEIFFER, P.E. | | 05/2008 | 08449-030-02 |
| P.E. # 47664 | | SCALE AS SHOWN | DWG. NO. 3 |

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| | | | | | | DESIGNED | JDP |
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| △ | 6-25-08 | REVISED PER FDEP COMMENTS | | | DLW | JDP | |
| LTR. | DATE | REVISIONS | | | BY | APPRD. | 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

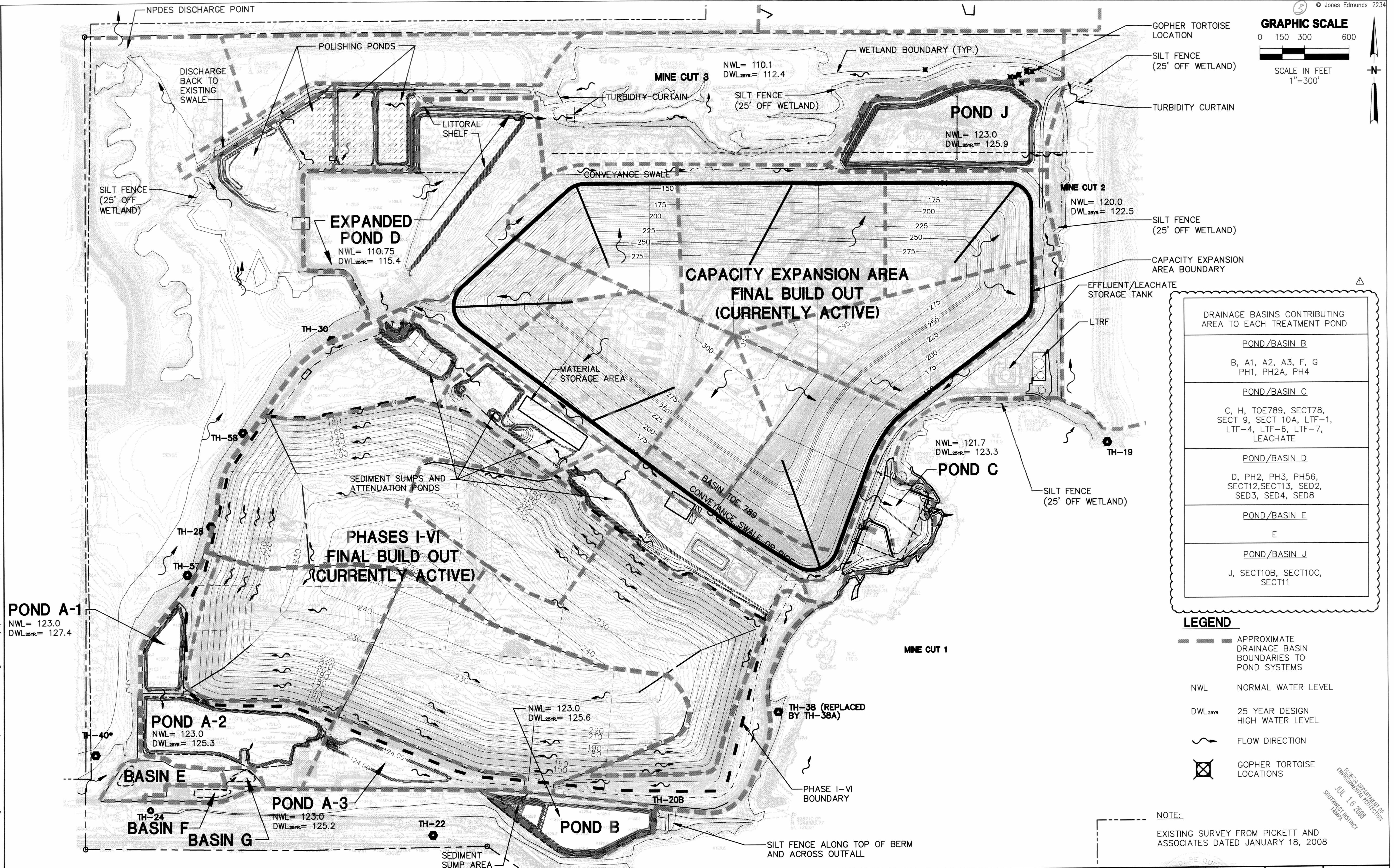
STORMWATER MANAGEMENT PLANS
DRAINAGE BASIN PLAN

| | | |
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| CERTIFICATE OF AUTHORIZATION #1841 | DATE | PROJECT NO. |
| APPROVED BY | 05/2008 | 08449-030-02 |
| JEFFREY D. PEQUEEN, P.E. | SCALE | DWG. NO. |
| P.E. # 47664 | AS SHOWN | 6 |

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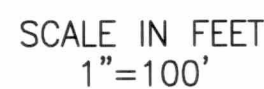


| DRAINAGE BASINS CONTRIBUTING AREA TO EACH TREATMENT POND | |
|--|---|
| POND/BASIN B | B, A1, A2, A3, F, G PH1, PH2A, PH4 |
| POND/BASIN C | C, H, TOE789, SECT78, SECT 9, SECT 10A, LTF-1, LTF-4, LTF-6, LTF-7, LEACHATE |
| POND/BASIN D | D, PH2, PH3, PH56, SECT12,SECT13, SED2, SED3, SED4, SED8 |
| POND/BASIN E | E |
| POND/BASIN J | J, SECT10B, SECT10C, SECT11 |

- 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

| | | | | | | | | | | | |
|-----------------|------|--|----|---|--|--|--------------|---|----------|---------|--------------|
| DESIGNED JDP | |  730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-6821 324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 268-0703 | | HILLSBOROUGH COUNTY SOLID WASTE MANAGEMENT DEPARTMENT SOUTHEAST COUNTY LANDFILL | | STORMWATER MANAGEMENT PLANS POND PLAN | | CERTIFICATE OF AUTHORIZATION #1841 | | DATE | PROJECT NO. |
| DRAWN DLW | | | | | | | | APPROVED BY  | | 05/2008 | 08449-030-02 |
| CHECKED JET/JHO | | | | | | | | JEFFREY D. PEQUEEN, P.E. | | SCALE | DWG. NO. |
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KEY PLAN

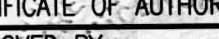
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| | 6-25-08 | REVISED PER FDEP COMMENTS | | DLW | JDP | | |
| LTD | DATE | REVISIONS | | BY | APPROV | | |



730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE TAMPA FLORIDA 33606 / (813) 258-0701

**HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL**

STORMWATER MANAGEMENT PLANS POND B

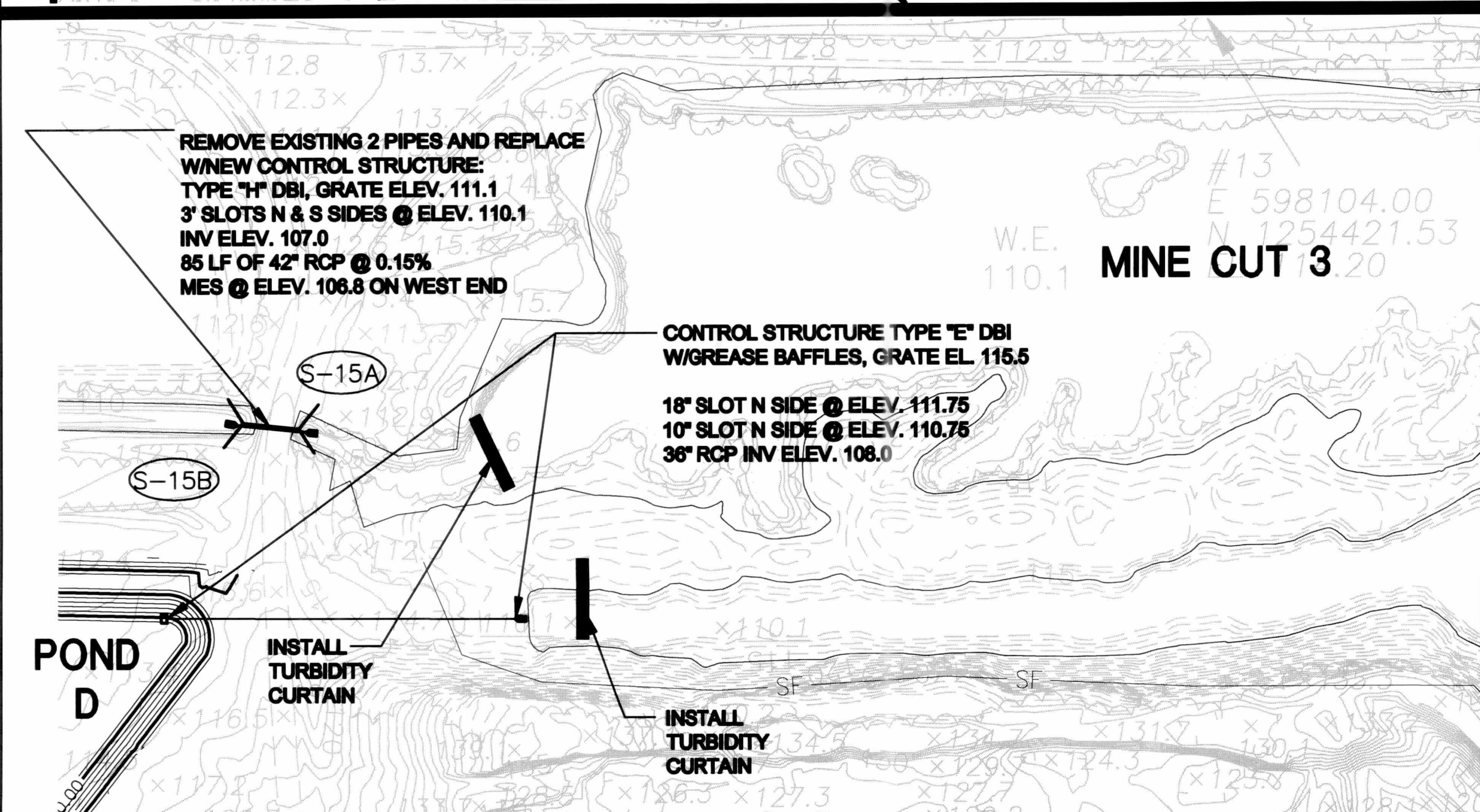
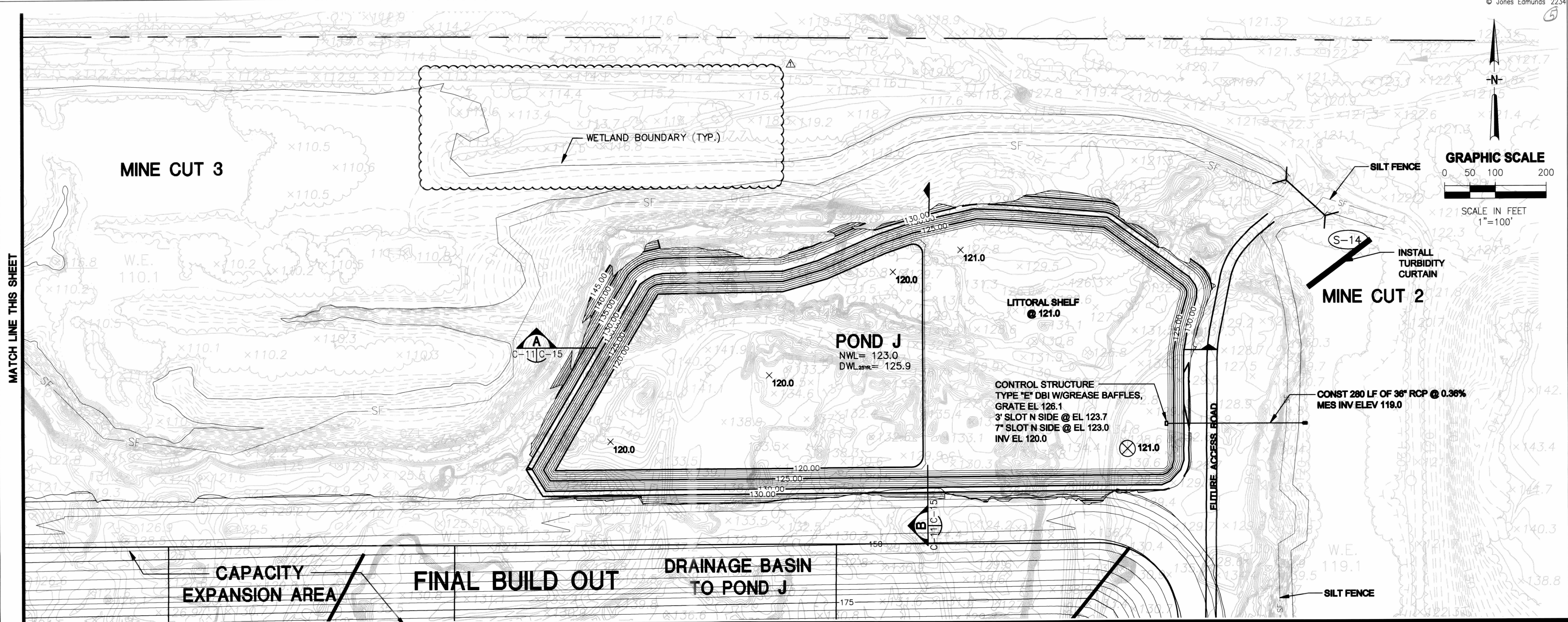
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| CERTIFICATE OF AUTHORIZATION #1841 | | DATE | PROJECT NO. |
| APPROVED BY:  765709 JEFFREY D. PEQUEEN, P.E. | | 05/2008 | 08449-030-0 |
| P.F. # 47664 | | SCALE | DWG. NO. |
| | | AS SHOWN | 9 |

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUL 16 2008
SOUTHWEST DISTRICT
TAMPA

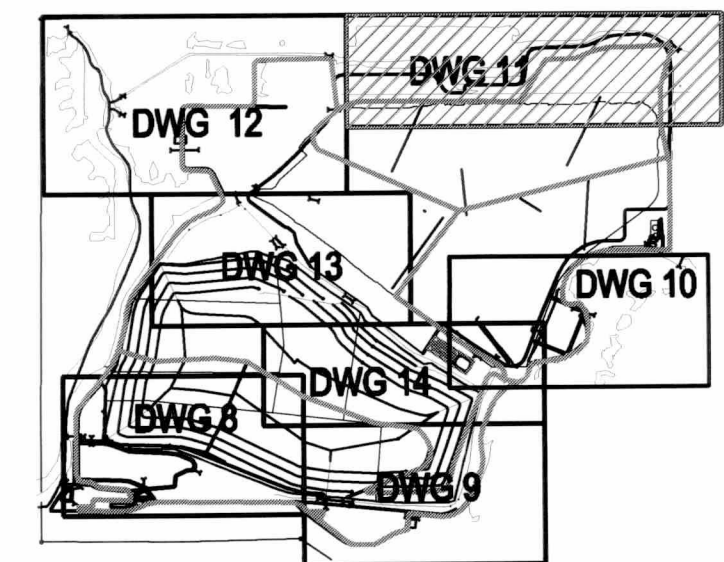
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FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUL 16 2008
SOUTHWEST DISTRICT
TAMPA

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| | | | | | DESIGNED | JDP | |
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|  | 6-25-08 | REVISED PER FDEP COMMENTS | | DLW | JDP | | |
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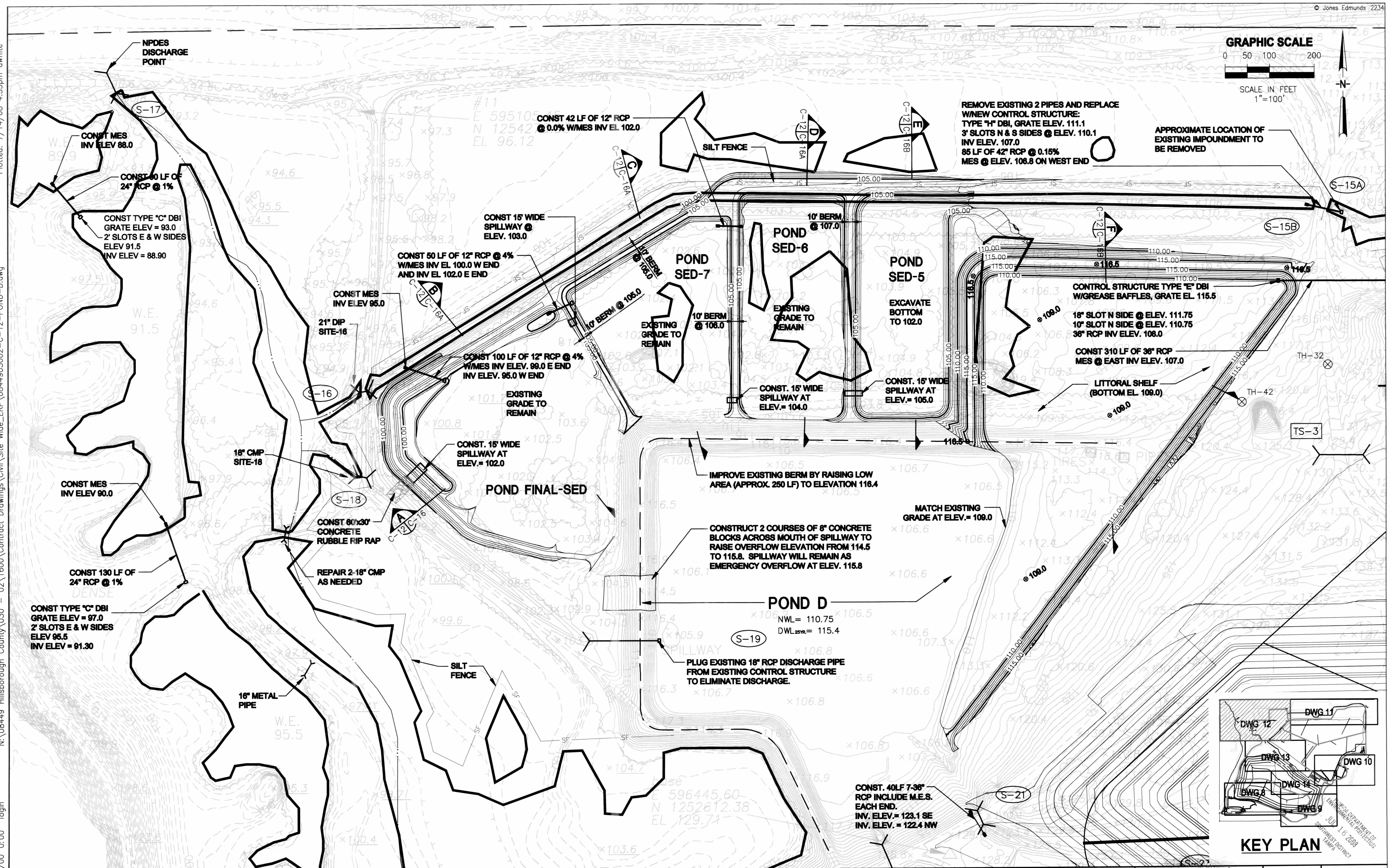
JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 268-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

STORMWATER MANAGEMENT PLANS
POND J

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| CERTIFICATE OF AUTHORIZATION #1841 | DATE | PROJECT NO. |
| APPROVED BY: <i>Jeffrey D. Pequeen</i> | 05/2008 | 08449-030-02 |
| JEFFREY D. PEQUEEN, P.E. | SCALE | DWG. NO. |
| P.E. # P.E. # 47664 | AS SHOWN | 11 |



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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

| | | |
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| CERTIFICATE OF AUTHORIZATION #1841 APPROVED BY:  JEFFREY D. PEQUEGNAT, P.E. P.E. # 47864 | DATE | PROJECT NO. |
| | 05/2008 | 08449-030-02 |
| | SCALE | DWG. NO.  |
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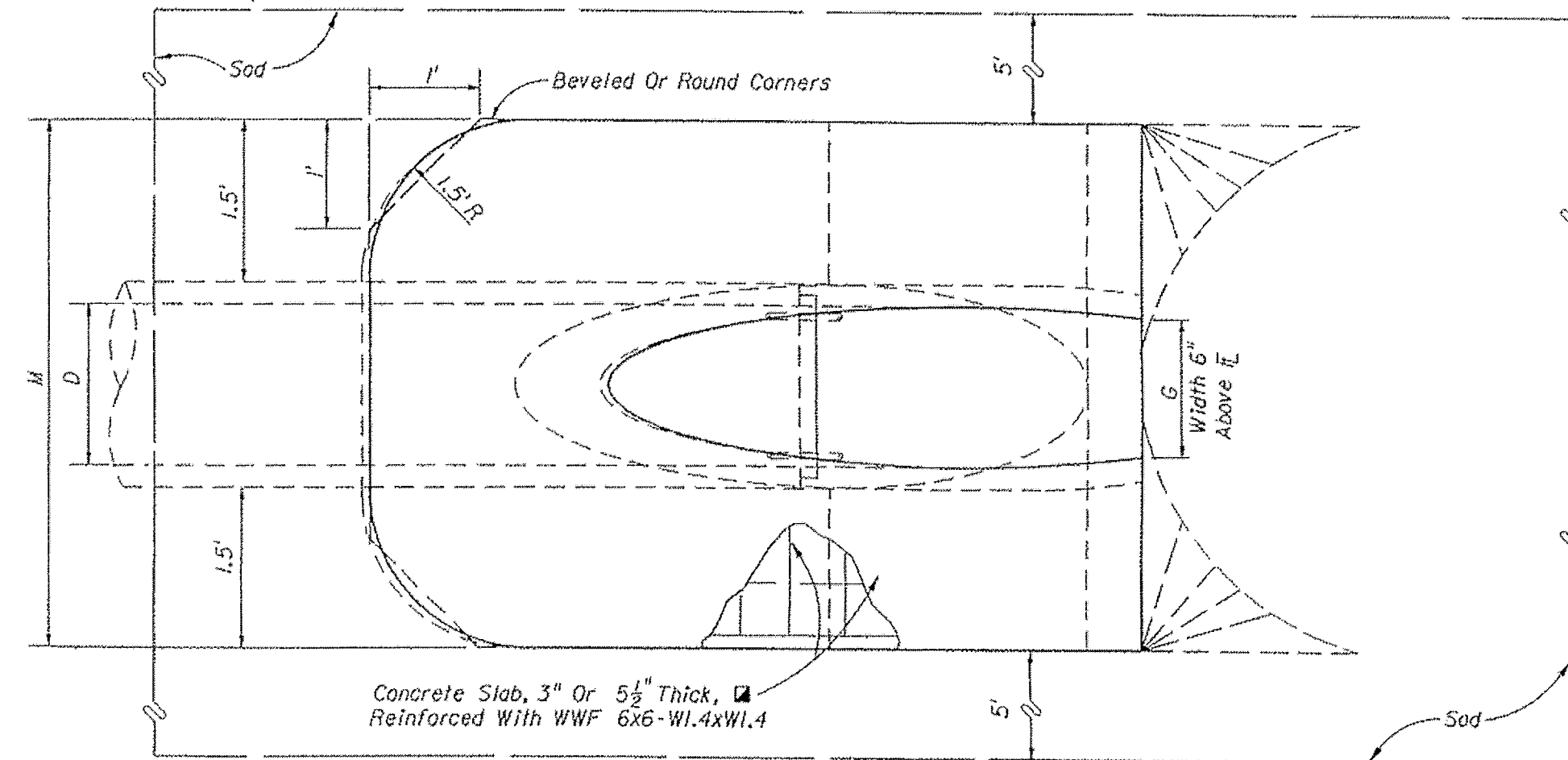
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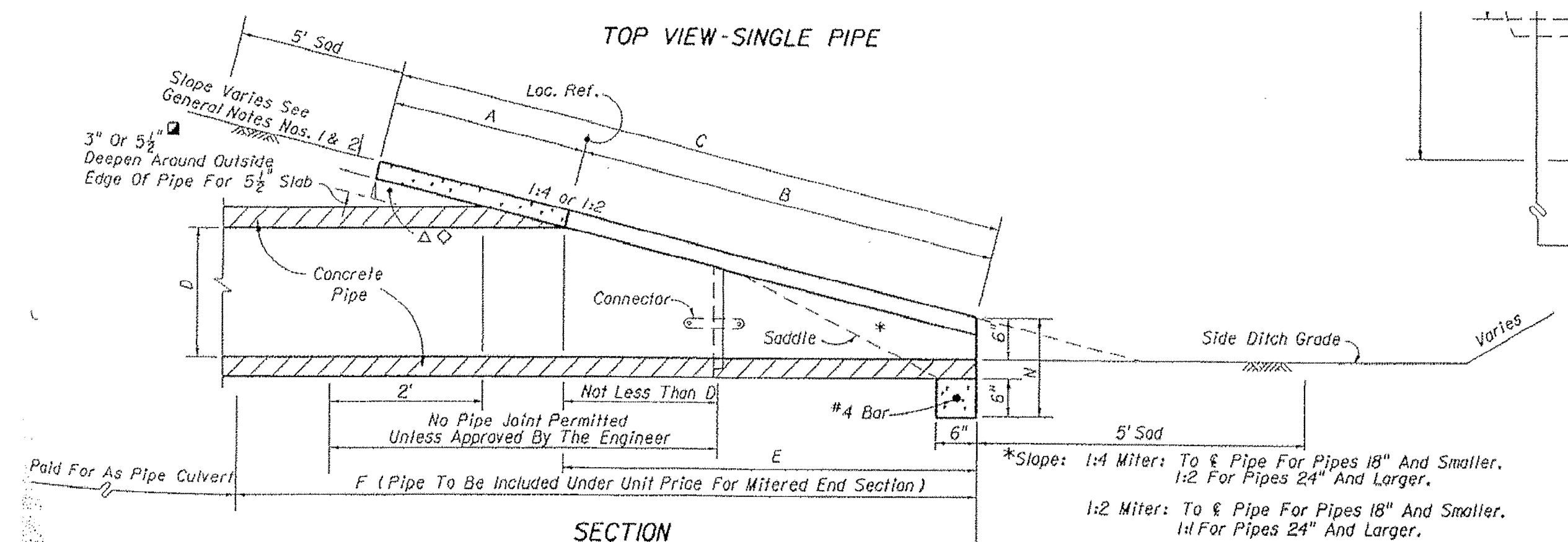
| DIMENSIONS AND QUANTITIES | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--------|--------|--------|--------|--------|--------|-------|--------|----------------|----------------|----------------|---------------|-------|--------------------------|----------------|----------------|---------------|--------------------|----------------|----------------|---------------|
| | D | X | A | B | C | E | F | G | M | | | | N | 5½" CONCRETE SLAB (CY) ▢ | | | | SODDING (SQ. YDS.) | | | |
| | | | | | | | | | Single Pipe | Double Pipe | Triple Pipe | Quad. Pipe | | Single Pipe | Double Pipe | Triple Pipe | Quad. Pipe | Single Pipe | Double Pipe | Triple Pipe | Quad. Pipe |
| 1/2 Slope | 15" | 2'-7" | 1.92' | 2.18' | 4.10' | 2.06' | 5' | 1.22' | 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' | 7.21' | 9.55' | 6.56' | 10' | 2.45' | 7.25' | 13.25' | 19.25' | 25.25' | 1.38' | 0.97 | 1.70 | 2.45 | 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' | 5.36' | 4.03' | 8' | 1.22' | 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' | 7.48' | 5.03' | 9' | 1.41' | 4.92' | 7.75' | 10.58' | 13.42' | 1.21' | 0.66 | 0.99 | 1.31 | 1.65 | 25 | 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 | 8.16 | 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

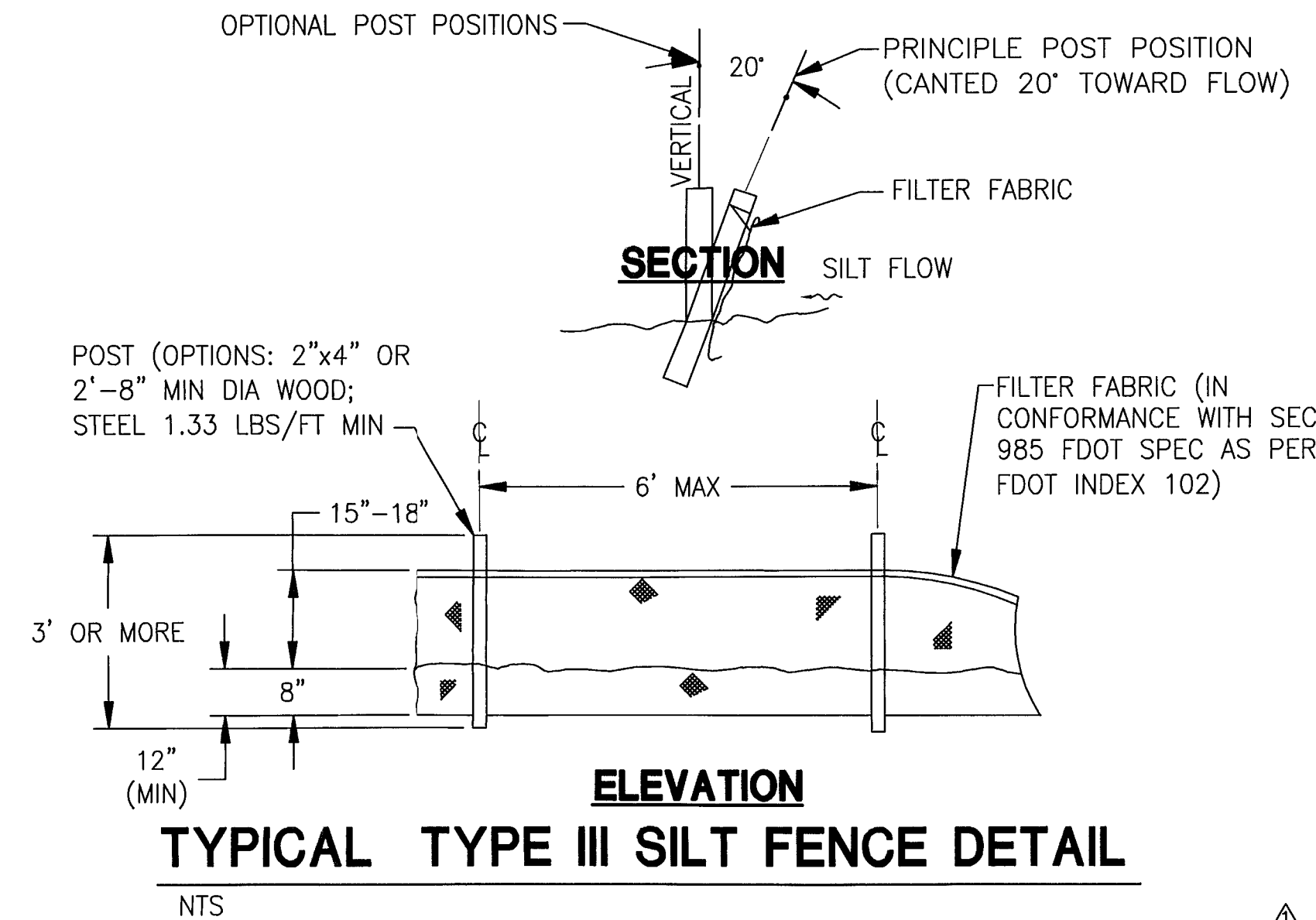
B E
 Δ 6.42' Δ 6.25' Dimensions permitted to allow use of 8' standard pipe lengths.
 \Diamond 10.40' \Diamond 10.10' Dimensions permitted to allow use of 12' standard pipe lengths.
 Δ \Diamond Concrete slab shall be deepened to form bridge across crown of pipe. See section below



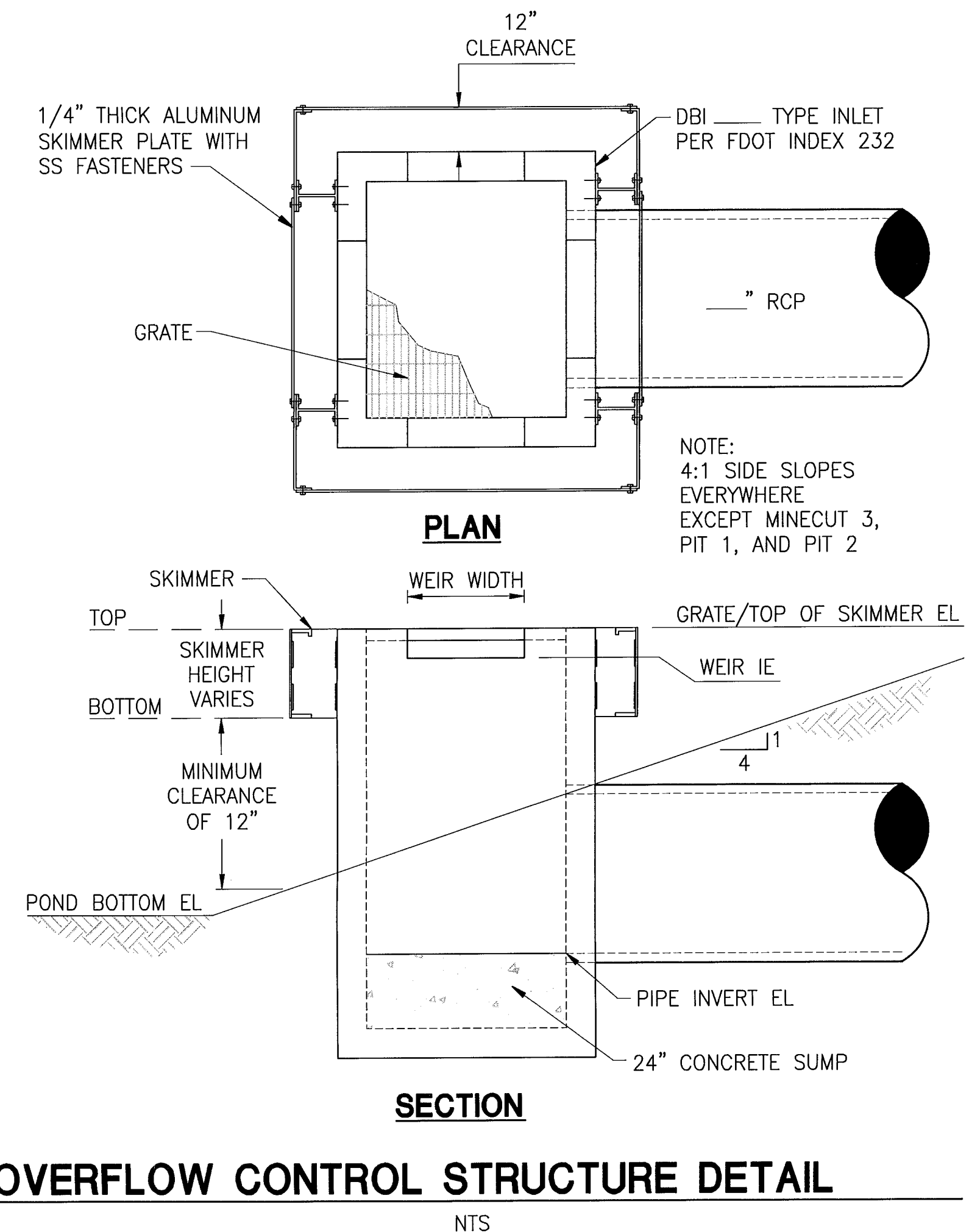
TOP VIEW - SINGLE PIPE
MITERED END DETAIL



SECTION
MITERED END SECTION DETAIL



ELEVATION
TYPICAL TYPE III SILT FENCE DETAIL



SECTION
OVERFLOW CONTROL STRUCTURE DETAIL

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 | E | 125.80 | (BOTH: 36" N & S SIDES @ 123.60) (B1 ONLY: 15" S SIDE @ 123.00) | 125.80 122.50 | 36" RCP E SIDE @ 121.70 | 121.00 |
| (2) STRUCTURES B1 AND B2 | | | | | | |
| 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 |

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUL 16 2008
SOUTHWEST DISTRICT
TAMPA

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
CIVIL DETAILS

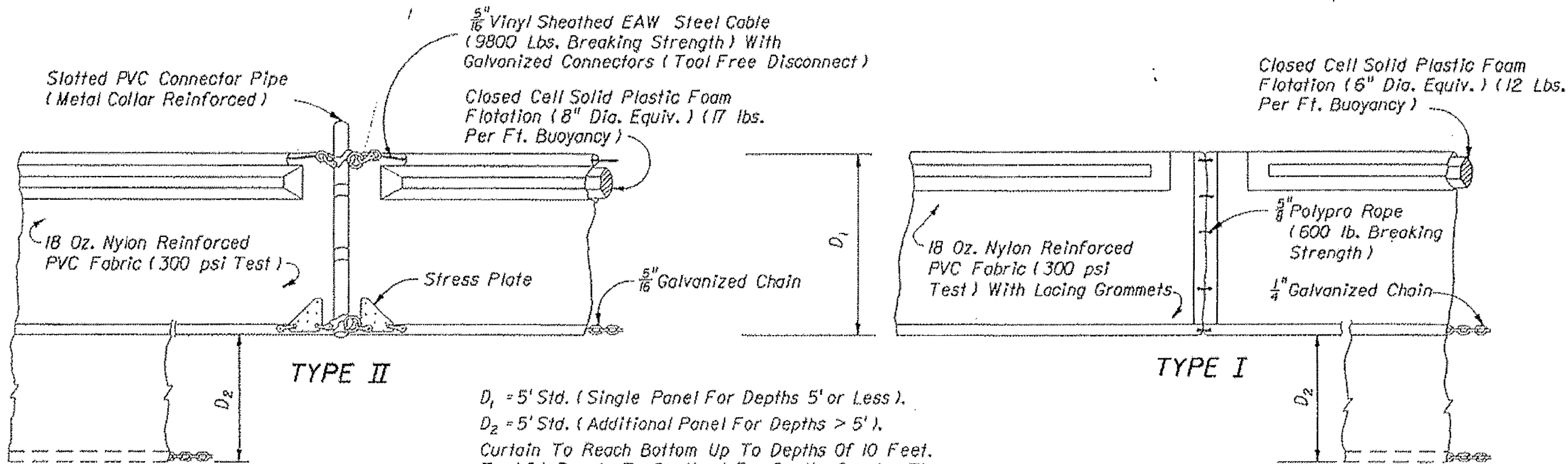
CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: [Signature]
JEFFREY D. BEQUEEN, P.E.
P.E. #32,674-047664
DATE: 05/2008
SCALE: AS SHOWN
PROJECT NO.: 08449-030-02
DWG. NO.: 21

Plotted: 7/14/08 4:35pm dwhite

N:\084449 Hillsborough County\030 - 02\1600\Contract Drawings\Civil\Site Wide_ERP\0844903002-C-21-CIVIL DETAILS - 3.dwg

Edited: 00/00/00 0:00 login

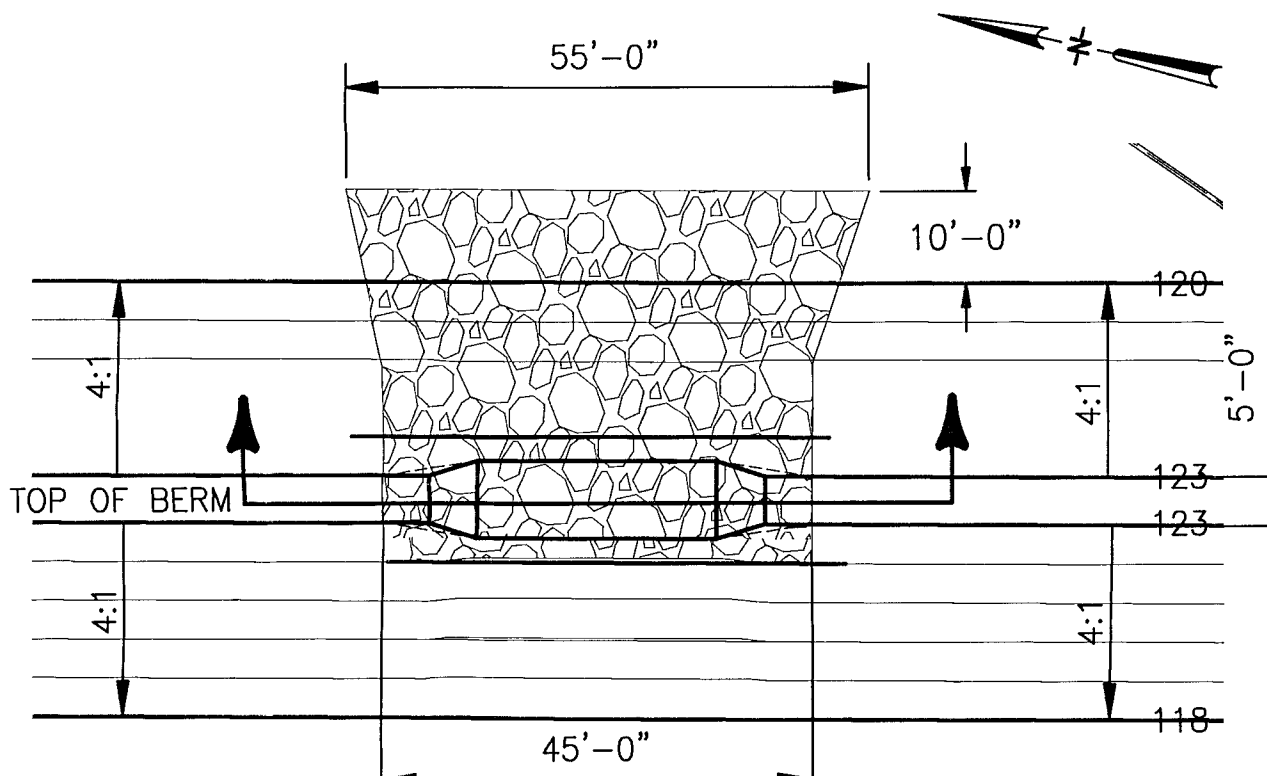
| PIPE DATA TABLE | | | | | |
|-----------------|--|-------------|-------------|--------------------|--------|
| Structure No | Type of Structure | Upper End | Lower End | Diameter (in) | Length |
| S-1A | RCP | 116.24 (E) | 115.82 (W) | 18.00 | 39.97 |
| S-1B | RCP | 115.45 (E) | 114.93 (W) | 36.00 | 115.45 |
| S-2 | ERC | 124.83 (E) | 124.72 (W) | 14x22 | 92.38 |
| S-3 | CMP | 122.96 (S) | 122.07 (N) | 36.00 | 81.19 |
| S-4 | ERC | 124.98 (S) | 124.91 (N) | 14X22 | 47.87 |
| S-5 | ERC | 124.44 (N) | 125.34 (S) | 14X22 | 73.39 |
| S-6 | This point is no: depicted in the plan | | | | |
| S-7 | CMP | 122.316 (E) | 122.065 (W) | 24.00 | 37.00 |
| S-8 | ERC | 126.70 (S) | 126.51 (N) | 34X54 | 100.67 |
| | ERC | 126.66 (S) | 126.51 (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 no: 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 | 104.90 |
| 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 | ERC | 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 | ERC | 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 |



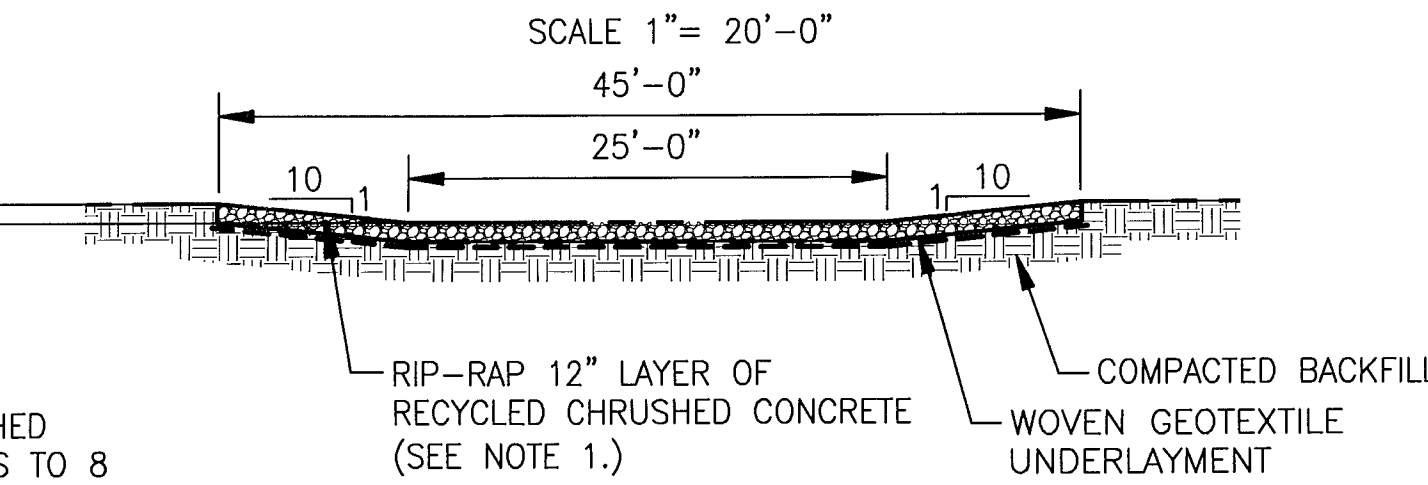
D₁ = 5' Std. (Single Panel For Depths 5' or Less).
D₂ = 5' Std. (Additional Panel For Depths > 5').
Curtain To Reach Bottom Up To Depths Of 10 Feet.
Two (2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Called For In The Plans Or As Determined By The Engineer.

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.

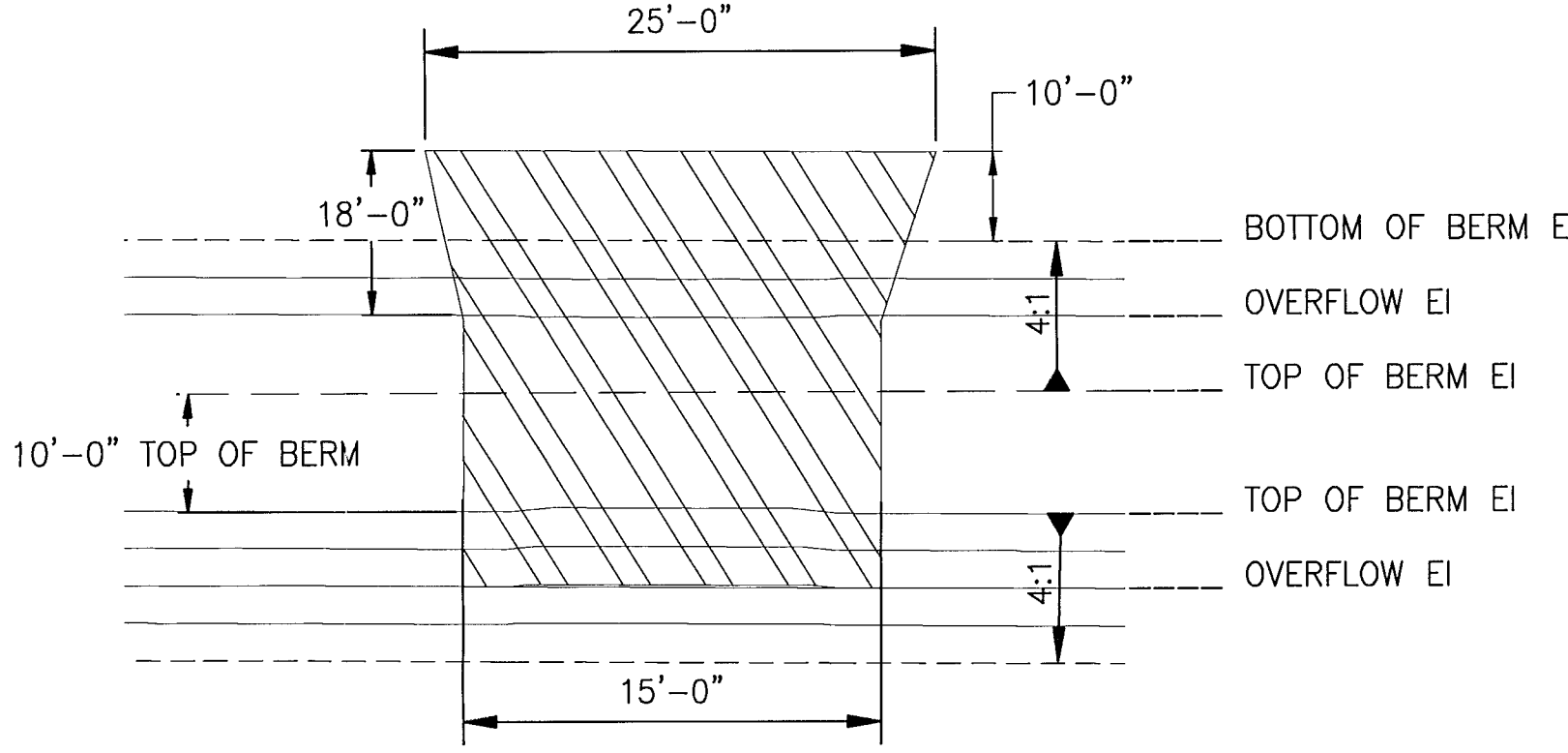
FLOATING TURBIDITY BARRIERS



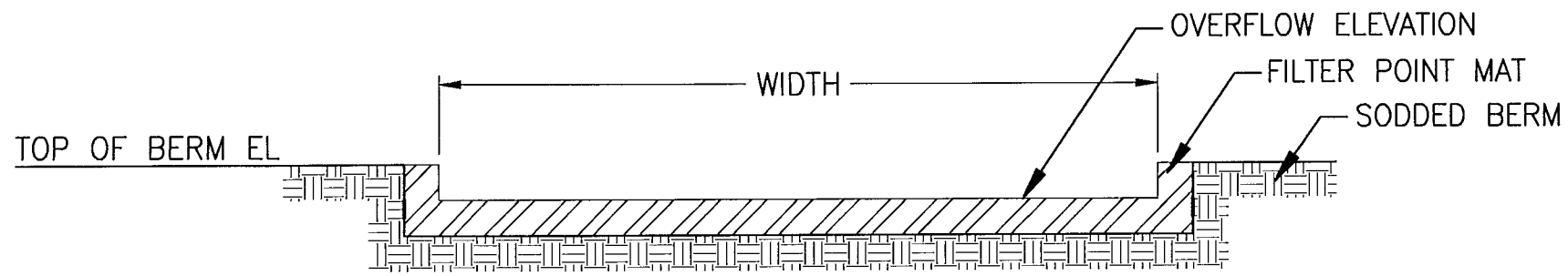
PLAN INTERNAL SPILLWAY IN POND-B



INTERNAL SPILLWAY IN POND-B DETAIL




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



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

| 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 |

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
JUL 16 2008
SOUTHWEST DISTRICT
TAMPA

| | | | | | | | |
|---|---------|---------------------------|--|--|-----|----------|---------|
| | | | | | | DESIGNED | JDP |
| | | | | | | | |
| | | | | | | DRAWN | DLW |
| | | | | | | | |
|  | 6-25-08 | REVISED PER FDEP COMMENTS | | | DLW | JDP | |
| LTR. | DATE | REVISIONS | | | BY | APPRD. | 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
CIVIL DETAILS

| | | |
|---|-----------------|-----------------------------|
| CERTIFICATE OF AUTHORIZATION #1841 APPROVED BY JEFFREY D. PEQUEEN, P.E. | DATE 05/2008 | PROJECT NO. 08449-030-02 |
| SCALE AS SHOWN | DWG. NO. 22 | |