

**LEON COUNTY DEPARTMENT OF GROWTH AND ENVIRONMENTAL
MANAGEMENT
ENVIRONMENTAL MANAGEMENT PERMIT**

TO SPEAK TO AN ENVIRONMENTAL INSPECTOR CALL (850) 606-1300

PERMIT EXPIRES: 12/03/2015

Printed By: DUNKLIN

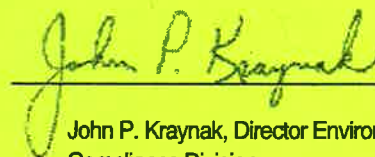
PERMIT EXPIRES THIRTY-SIX (36) MONTHS FROM ISSUANCE PER ARTICLES 5, SECTION 7-41 (4) (a) (1), ENVIRONMENTAL MANAGEMENT ACT

PERMIT #: LEM1200040
PROJECT NAME: APALACHEE REG PARK BALL FIELD
Location:
PERMITTEE: LEON COUNTY
DATE ISSUED: 12/03/2012
PARCEL TAX ID#: 32-04-20-851-0000



FEE INFORMATION:

Short Form A Non Res:	\$0.00
Short Form B High:	\$2,133.12
Short Form B Low:	\$0.00
Standard Form:	\$0.00
Tree:	\$114.00
Landscape:	\$0.00
App/Resubmittal:	\$0.00
General Utility:	\$0.00
Discovery After the Fact:	\$0.00
TOTAL FEES:	\$2,247.12
TOTAL PAYMENTS:	\$2,247.12
BALANCE:	\$0.00


John P. Kraynak, Director Environmental
Compliance Division

ACCEPTANCE OF THIS PERMIT ACKNOWLEDGES PERMISSION FOR LEON COUNTY PERSONNEL TO INSPECT AT REASONABLE TIMES THE PROPERTY AND WORK ASCRIBED IN THIS PERMIT. FAILURE TO POST THE PERMIT PLACARD IN A CONSPICUOUS PLACE ON-SITE OR FAILURE TO HAVE THE APPROVED PERMIT AND PLANS AVAILABLE ON-SITE MAY RESULT IN THE IMMEDIATE ISSUANCE OF A STOP-WORK ORDER.

**BOARD OF COUNTY COMMISSIONERS
LEON COUNTY
DEPARTMENT OF DEVELOPMENT SUPPORT AND
ENVIRONMENTAL MANAGEMENT**

**APALACHEE REGIONAL PARK
(BALL FIELDS MITIGATION)**

**ENVIRONMENTAL MANAGEMENT PERMIT
LEM 12-00040**

A pre-construction meeting is required call Mr. Jerry Zagroba at 606-1378 to schedule.

This environmental management permit authorizes the after-the-fact development activities associated with two ball fields and the vehicular parking area(s). To be followed by additional construction associated with stormwater infrastructure and the paving of the vehicular parking area(s) on parcel ID# 32-04-20-851-000-0 in Leon County consistent with the following attachments and exhibits:

Attachment A: Permit Conditions
Exhibit A: Approved Plan (Permit Plan Set)

The permittee should be familiar with the permit conditions and all other attachments and exhibits included in this permit prior to the commencement of development activity. Failure to conform to this permit may cause appropriate enforcement action to be taken that could include a "Stop Work Order" or a "Notice of Violation".

Approved By:



John Kraynak, P.E., Director
Environmental Compliance
M.A.H.

11-30-12

Date

APPLICANT'S COPY

ATTACHMENT "A"
PERMIT CONDITIONS:

Apalachee Regional Park
Ball fields Mitigation

GENERAL CONDITIONS:

1. The permittee shall conduct all development activity consistent with the "Environmental Management Act," Article VII, Chapter 10 of the Leon County Land Development Code. Reference Section 10-4.105.
2. *Posting of placards.* A placard indicating issuance of a valid permit shall be posted in a conspicuous place on site at all times during the development activity. Reference Section 10-4.203(c)(1).
3. *Permit and plans on-site.* A copy of the approved permit and plans (Exhibit "A" and subsequent approved contractor "Shop Drawings") shall be available on site at all times when any development activity is occurring on the site. Reference Section 10-4.203(c)(2).
4. *Notice of intent to proceed and Pre-Construction Conference.* A notice of intent to proceed shall be filed with the Director at least three (3) working days prior to initiation of any physical development activity on the site. The notice shall specify the site location and the permit number(s) applicable to the activity and shall specify the date and approximate time at which such physical development activity is to commence. A pre-construction conference will be scheduled and required prior to the commencement of any development activity. Reference Section 10-4.203(c)(3).
5. *Environmental Management Officer.* This individual shall be in responsible charge of all on-going work on the site and ensure that all work is proceeding according to the approved plans and permit. The designated environmental management officer must ensure that during such time as the officer is not personally present on the site a designated alternate remains in responsible charge of the project. For this project, the Environmental Management Officer shall be determined at the pre-construction conference. Reference Section 10-4.203(c)(6).
6. *Permit Expiration.* This Environmental Management Permit expires 36 months after issuance. Reference Section 10-4.214(1)(a).
7. *Extensions.* Permits may be extended, by request of the applicant and approval of the Director, for successive periods of time not to exceed 36 months each, provided the request for extension is made prior to the expiration of the prior approval and provided continuous good faith efforts have been made to complete the development. Reference Section 10-4.214(1)(b).
8. *Early expiration for cause.* If no substantial and readily observable site development activity has taken place within 18 months of the issuance of the permit or, once development is started, if no such development activity occurs for any 12 consecutive months, the Director may, after notifying the permittee and providing an opportunity for hearing, determine the permit to be expired and shall so notify the permittee. Such a permit may not thereafter be extended. Reference Section 10-4.214(1)(c).

9. *Effect of permit expiration.* Once a permit has expired, no further development activity may proceed on the permitted development site unless and until a new permit is received for the development site and activity. Reference Section 10-4.214(3).
10. *Continued responsibility under expired permit.* An expired permit shall not relieve the permittee from the responsibility of continued compliance with this permit and the Code. Where development has commenced and no final inspection completed before expiration of a permit, the permittee may be required to submit, and obtain the Director's approval of a new environmental management permit application or an application for amendment of the expired permit. As an option, the permittee may be required to complete and maintain the landscaping, trees, or stormwater management systems and facilities which were required by the expired permits, as necessary to prevent significant adverse environmental impacts as a result of development activity which has occurred on the site. Reference Section 10-4.214(3).
11. *Notice of transfer of permit.* No later than ten (10) days after the sale or legal transfer of property upon which a stormwater management facility has been, or is approved to be, constructed pursuant to a permit issued by the County, a notice of transfer of permit shall be submitted to the Director. The notice shall be made using a form provided by the Director. Reference Section 10-4.214(5)(a).
12. *Transfer liability.* Until a proper notice of permit transfer is provided to the Director, the permittee and any other person constructing, operating, or maintaining the permitted facility shall be liable for compliance with the terms of the permit. The permittee transferring the permit shall remain liable for corrective actions required as a result of any violations occurring prior to transfer. For facilities that have received final inspection approval prior to the time of legal transfer, the original permittee shall remain liable for performance of warranty obligations as set forth in Section 4.208(d), absent an express assumption of liability as to such warranty obligations by the subsequent holder of the property. Reference Section 10-4.214(5)(b).
13. *Amendments.* Any minor change or deviation from the approved plans shall require an amendment to this permit. Substantial changes, including significant increases in impervious area, changes in intended land use, modification of stormwater management system, new phases of development, or other additions, shall not be treated as amendments, but shall require a new permit application. Reference Section 10-4.215.
14. *During development.* All environmental management controls and facilities shall be maintained in a manner which will ensure proper functioning and protection from unnecessary environmental degradation, throughout the development process. Reference Section 10-4.210(a).
15. *Post-development.* Upon completion of development activities and construction, the permittee shall ensure that each site is properly stabilized, and that swales and other stormwater management features shown in the permit are in place in a manner consistent with the permit, approved plans and specifications. Reference Section 10-4.210(b).
16. *Post-construction inspection.* Prior to requesting a final inspection by the Director, the permittee shall have a qualified professional to personally inspect the site and facilities and certify as provided for in Section 10-4.208(b).

SPECIFIC CONDITIONS:

1. *Permit Scope.* As shown in Exhibit "A" (the permit plan set), this permit authorizes: construction of infrastructure (stormwater management facility, etc...), the paving of existing and proposed parking areas associated with the recently constructed ball fields and vehicular area(s) within the park.
2. *Licensed contractors.* All excavation, grading work, and other site work shall be performed under the supervision of a certified or registered general contractor, building contractor, residential contractor, commercial or residential pool/spa contractor, or underground utility contractor, or by an excavation, grading and site contractor duly licensed by the County Contractors Licensing Board. Reference Section 10-4.203(c)(5).
3. *Notification of Easements.* A copy of any required easements, with proof of recording, shall be provided to the Director prior to final inspection. Where transfer of title for any affected parcel is proposed, the owner shall provide clear information to each prospective buyer prior to execution of any contracts, about the existence, impacts, and responsibilities associated with any easements on the property. A copy of the applicable easements shall be provided by the owner to each prospective purchaser prior to closing, and the copy shall be initialed by the parties and attached to such closing documents upon execution. Reference Section 10-4.203(c)(8).
4. *Stormwater management facility operating permit.* No stormwater management facility shall be utilized until a stormwater management operating permit is obtained. An operating permit is not required for facilities which have as their primary function the conveyance of stormwater, facilities under construction as part of an approved development plan, and temporary facilities which are part of an erosion and sediment control plan. Reference Section 10-4.209(a).
5. *Required disclaimers.* Any contract for the conveyance of title to land for which stormwater management is provided by a system or facility not maintained by the County or the City of Tallahassee shall contain the following statement: "Neither Leon County nor the City of Tallahassee is responsible for the maintenance, upkeep or improvement of any stormwater management facility utilized by the land described herein. Title to this property carries with it the requirement that the current and all subsequent owners or their authorized agent obtain a stormwater management facility operating permit from the County. The owner of this property shall be legally responsible, jointly with other owners using the facility and based on pro rata share, for compliance with all stormwater management facility operating permit maintenance and operation requirements, as well as all other permit conditions, unless such maintenance and operation obligations have been specifically assumed by some other entity pursuant to Director approval and appropriate documentation recorded in the public records of Leon County." Reference Section 10-4.210(d).
6. *Landscape and tree maintenance, if applicable.* All landscaping, landscaped areas, landscape development, buffer areas, and trees required as part of this permit shall be maintained and used pursuant to Sections 10-4.348(b), 10-4.355, 10-4.209(f)(1)(h), 10-4.209(g)(7) and 10-4.211 of the Land Development Code and shall be checked for compliance during the operating permit renewal process.
7. *Stormwater Facility Performance.* The stormwater management system for the development activity permitted herein shall conform to the "Stormwater Management Plan" (Exhibit A)

8. *System Evaluation & Redesign.* At any time, should the County determine that the stormwater management system, stormwater pollution prevention plan, landscape plan, or any maintenance program is not functioning as designed, the County may request a system evaluation to determine compliance. The Permittee shall have thirty (30) days to evaluate the discrepancy and respond. Should the Permittee verify that a discrepancy exists, then the Permittee shall have sixty (60) days to redesign and implement the appropriate redesign necessary to correct the discrepancy. This process does not apply to any event of noncompliance with the permit and approved plans, in which case the enforcement provisions of the Environmental Management Act shall apply.
9. *Intergovernmental Transfer.* If at any time, the City of Tallahassee (the "City") annexes the permitted development into its corporate boundary, then this permit shall be transferred to the City with all provisions fully enforceable by the City. The City shall assume the role of the County in each provision of this permit.
10. *Termination of Permit.* The requirements, responsibilities and obligations of the Permittee in the General Conditions, Specific Conditions, and Special Conditions shall never expire with this permit. The Permittee may terminate such requirements, responsibilities and obligations either by an appropriate transfer as prescribed in Paragraph 12 of the General Conditions or by closing the development in a manner guaranteeing the preservation of natural areas, conservation easement areas, and/or other protected areas. Such closure shall require the submittal and approval of a short form environmental management permit which states appropriate plans to close the project in manner that will ensure compliance with the Environmental Management Act upon and after termination of responsibility. Reference Section 10-4.214(1)(c).
11. *Other Permits.* This permit is issued with the condition that the applicant procure and comply with all other necessary federal, state, and local agency permits, including but not limited to the Florida Department of Environmental Protection (FDEP) permit, Florida Department of Transportation (FDOT) drainage and/or access connection permits, NPDES permit and Leon County driveway connection permit. These permits must be provided prior to the start of construction. Reference Section 10-4.201(f).
12. *Construction Sequence.* All stormwater facilities shall be constructed and functioning prior to any clearing (with the exception of clearing for the stormwater ponds), and prior to the start of the building construction, roadway construction or any other development activity as defined in the Environmental Management Act. Phased stormwater facility construction may be allowed with prior written consent by the Director provided that each phase is fully sustainable, meets the applicable stormwater standards and provides no adverse downstream impacts. This condition supersedes any other permit conditions and plans related to this topic. In the event of a conflict between this condition and any other condition in the permit or plans, this condition will overrule.

SPECIAL CONDITIONS:

1. As used herein, the term “permittee” shall refer to Leon County Public Works. This permit may be transferred to another party in accordance with the General Conditions. Upon the Director’s approval of a Notice of Transfer of Permit, the term “permittee” shall refer to the new property owner(s) identified in this approved notice. The permittee shall ensure that all contractors and other agents authorized by the permittee to conduct the permitted development activities abide by the terms and conditions of this permit.
2. The permittee or permittee’s authorized agent shall contact the County Environmental Inspector to arrange a pre-construction conference. The County Environmental Inspector for this project will be **Mr. Jerry Zagroba who may be contacted at (850) 606-1378 or 544-0827.** The Environmental Management Officer for this project must be designated at the pre-construction meeting.
3. During the pre-construction conference, and prior to commencement of construction, copies of permits from other agencies as required (example NPDES, NWWMD, etc...) shall be submitted to the environmental inspector.
4. Additional silt fences or other sediment/erosion control devices and measures may be required during project construction, as specified by the County Environmental Inspector.
5. The engineer of record shall ensure the construction of the stormwater management facility (clearing and grading) will take place prior to any other construction activity.
6. The staging area must have prior approval by County Environmental Inspector.
7. All disturbed areas shall be stabilized with sod within 72 hours of final grading.
8. Notwithstanding the general and specific conditions contained in this permit, this project will require submittal of as-built plans (record drawings) and a stormwater operating permit application. These should be submitted to the Director at least 20 days prior to the permittee/applicant’s request for final inspection.

APALACHEE REGIONAL PARK BALL FIELDS STORMWATER MITIGATION

APPROVED: *[Signature]*
 PERMIT # LEM14-00040
 DATE 11-20-12
 Special Conditions Exist For This Permit. Refer to Exhibit(s):
Attachment A: Permit Cond
NEP

APPLICANT'S COPY

Commissioners:

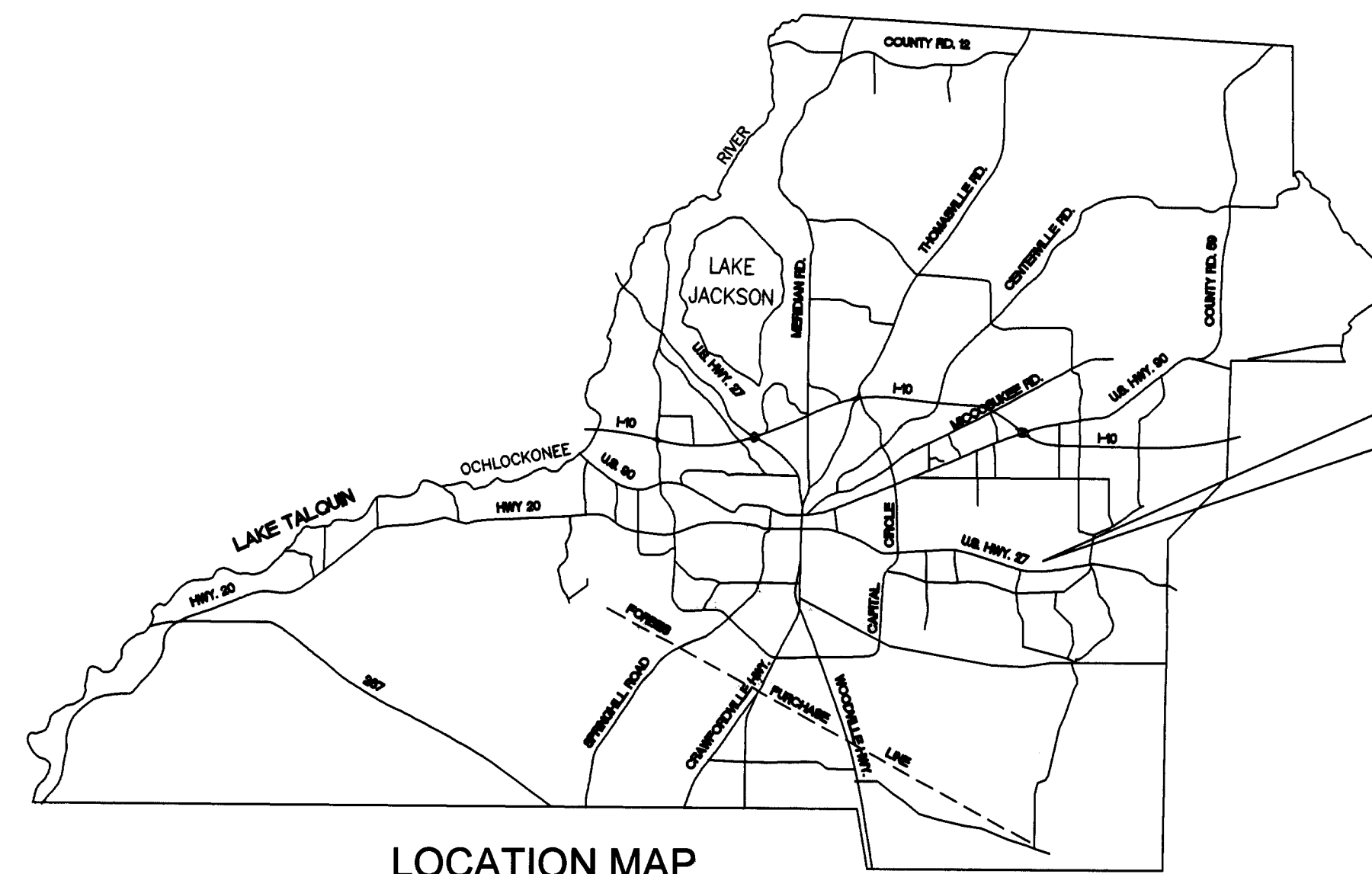
- Bill Proctor
District 1
- Jane G. Sauls
District 2
- John E. Dailey
District 3
- Bryan Desloge
District 4
- Kristin Dozier
District 5
- Nick Maddox
At-Large
- Akin Akinyemi
At-Large



Vince Long
County Administrator

 Herbert W. A. Thiele
County Attorney

 Tony Park, P.E.
Public Works Director



PROJECT LOCATION

CONSTRUCTION SEQUENCE:

1. The contractor shall request an on-site pre construction conference with Leon County Environmental Compliance Division prior to any construction activity.
2. The contractor shall first construct sedimentation/erosion controls and then clearly "flag" the limits of construction. Construction activity shall not commence until the sediment controls have been inspected and approved by the Leon County Environmental Inspector.
3. The contractor shall verify location of all above ground and underground utilities prior to commencement of construction. Call Sunshine Locate at 1-800-432-4770 or 811 to confirm underground utility lines 48 hours before digging.
4. Install traffic control devices and continuously maintain all traffic control devices as per FDOT and maintenance of traffic plan.
5. Construct stormwater management facilities, gravel parkings and gravel driveway.
6. Pave the parking areas, including the existing gravel parking area.
7. Clean up job site and demobilize construction equipment.
8. Contractor is responsible to provide as-built survey to Leon County Public Works for Engineer of Record to submit as-built certification to the permitting agencies.

GENERAL NOTES:

1. A sufficient labor force shall be maintained to undertake the scope of work that is to be performed. Prior to the start of each days work, the on-site inspector shall approve the personnel provided by the contractor to insure that an adequate number of workers are available as well as capable of providing the skills necessary to perform the necessary task. If at any time, during the working day, the inspector feels that adequate personnel are not being provided, he may stop all work activities until the contractor corrects the situation. The contractor's superintendent shall be free at all times to supervise and coordinate the work in progress with the on-site inspector without being required to personally operate the equipment of the project.
2. Leon County shall reserve the right to sample any or all materials to determine that materials meet specifications. Failure to meet specifications shall be cause for cancellation of delivery, rejection of materials provided for partial or full payment deduction as determined by the county representative.
3. The contractor shall maintain access to all existing streets and private entrances throughout project construction. This project anticipates the need for traffic control devices listed in the Manual for Uniform Traffic Control Devices and Florida Department of Transportation Roadway Standard Indices.
4. The contractor shall furnish, erect, and maintain all necessary barricades, warning, danger, and detour signs suitable and adequate lights, provide flagmen where necessary to direct traffic, and take all other precautions to protect the work and the public. Streets, which are closed to traffic by authority of Leon County, shall be adequately barricaded and marked with warning and detour signs, and lights at all intersections and crossings along the detours. Street closing and detour routing shall be requested of and receive approval from the engineer or his designee, prior to implementation. The temporary detour shall be adequately marked throughout its length. All detour routes shall be maintained by the contractor in a safe and passable condition at all times, and at such time as the detour is no longer necessary, the streets constituting the detour route shall be restored to a condition equal to the condition of such streets prior to their use for detours, all to the satisfaction of the engineer or his designee.
5. The contractor shall remove all equipment from the roadway and the shoulder during non-working hours to ensure the least practicable interference with traffic and pedestrians. The contractor is to provide the area for storing equipment.
6. Working hours will normally be from 8:30 A.M. To 4:30 P.M., Monday through Friday, however, upon request of the contractor, the engineer or his designee, may consider an alternative to these working hours based on the time of the year, site, weather, and traffic conditions.
7. No night work shall be performed unless adequate lighting is provided and approval given by the engineer or his designee. If the existing lighting is not adequate, the contractor shall be responsible for providing artificial lighting that shall be approved by the engineer or his designee.
8. Obstructions and barricades shall be lighted at night and such lights shall be kept burning from sunset to sunrise. All such signing and traffic control within the limits of the project shall be done in accordance with the engineer or his designee, applicable OSHA regulations and MUTCD, part VI.
9. The exact location of all utilities in the vicinity of construction activities shall be determined by the contractor prior to construction. The contractor shall contact all utility companies prior to beginning of construction and coordinate schedules with utility owners during construction.
10. Post all applicable permits as required.
11. All disturbed areas shall be sodded, unless specified otherwise on plans.
12. Contractor is responsible to maintain and replace stormwater control devices as needed.
13. Stormwater Management Control Officer:
Leigh Davis, Director of Parks and Recreation
(850) 606-1542
14. Leon County Public Works Departments Parks and Recreation Division will monitor construction progress regularly and will submit Notice of Construction Commencement to Northwest Florida Water Management District (NWFWD) and the as-built certifications when the project is completed. The contact person is Dean Richards @ 528-6090.

Plans Index

Sheet	Sheet Description
1	Cover Sheet
2	Typical & Details
3	Site Plan
4	Stormwater Pond

LEON COUNTY
 Department of Public Works
 Division of Engineering Services
 Public Works Center

2280 Miccosukee Road, Tallahassee, FL 32308-5310

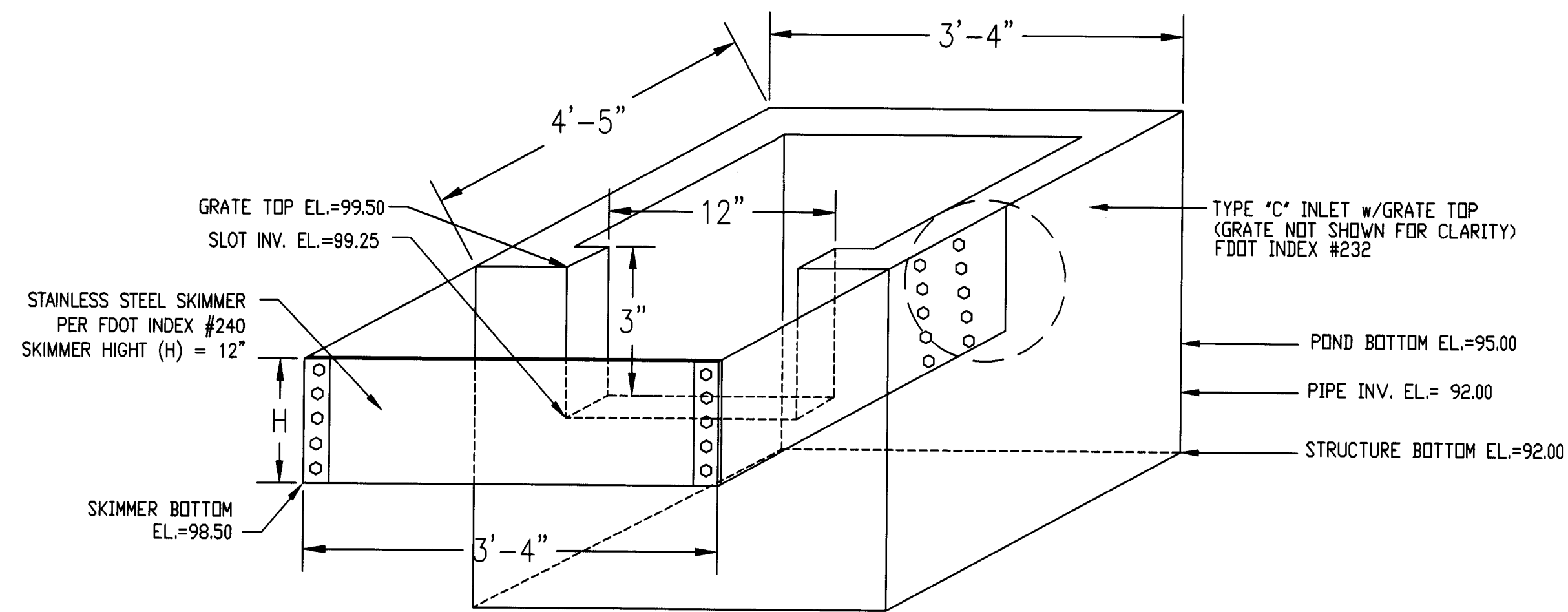
Ph: (850)606-1500 Fax: (850)606-1501

Web: <http://www.leoncountyfl.gov>

GOVERNING STANDARDS AND SPECIFICATIONS:

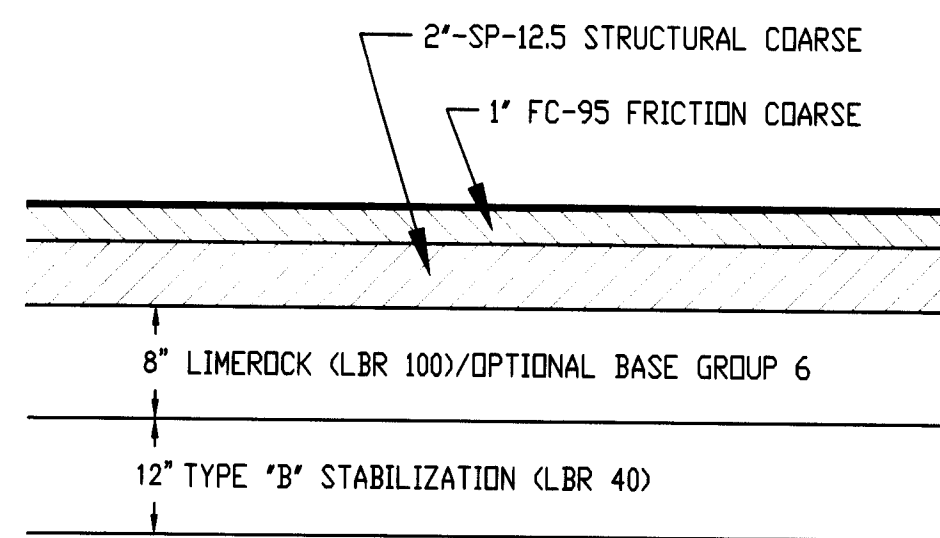
Florida Department of Transportation (FDOT) Design Standards dated January 2010, and Standard Specifications For Road and Bridge Construction dated 2010, as amended by contract documents.

Engineer Of Record
[Signature]
 Shinning George Su, P.E. #47120
 Date: 11-28-2012



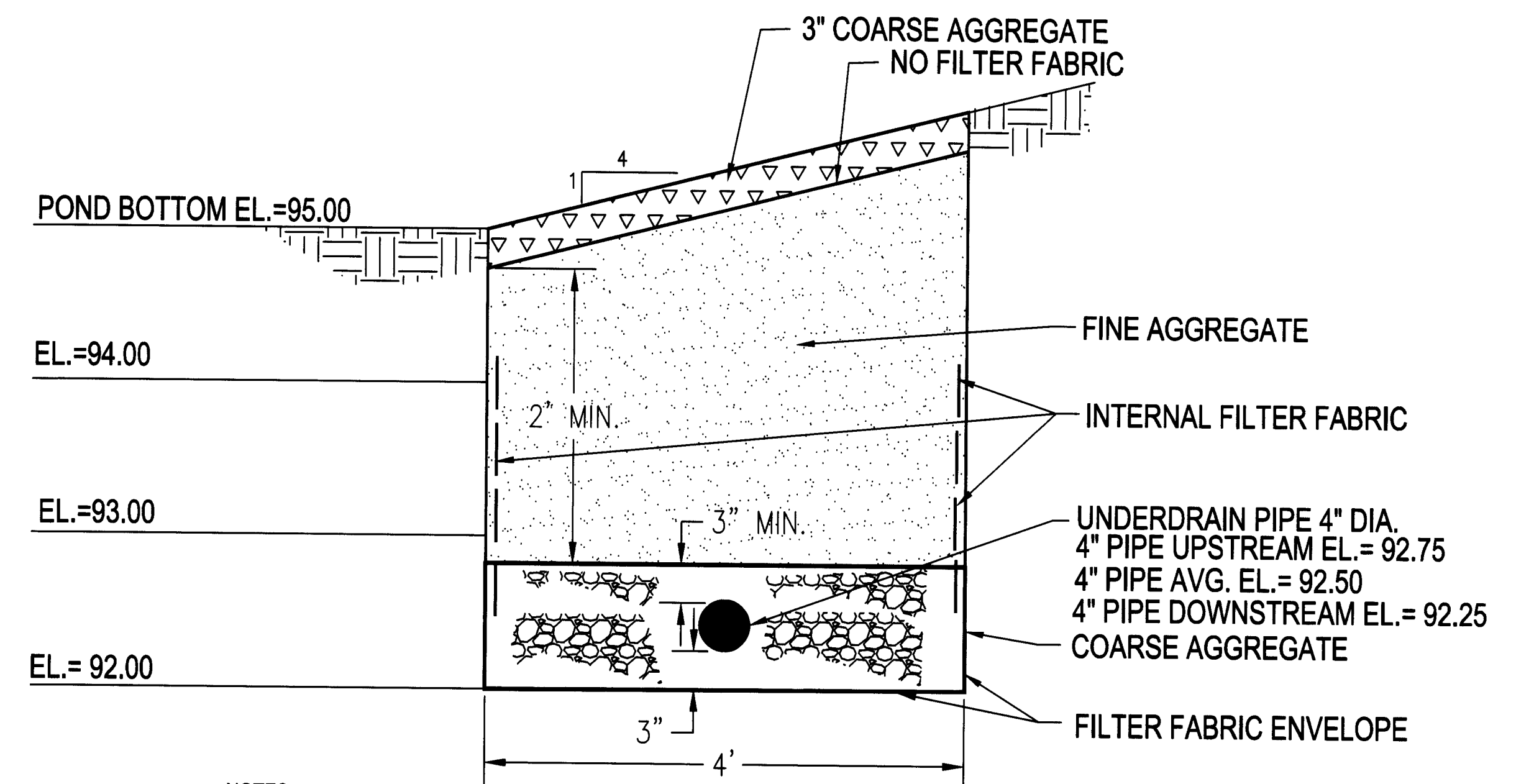
OUTFALL STRUCTURE DETAILS

N.T.S.



ASPHALT PAVEMENT DETAILS

N.T.S.

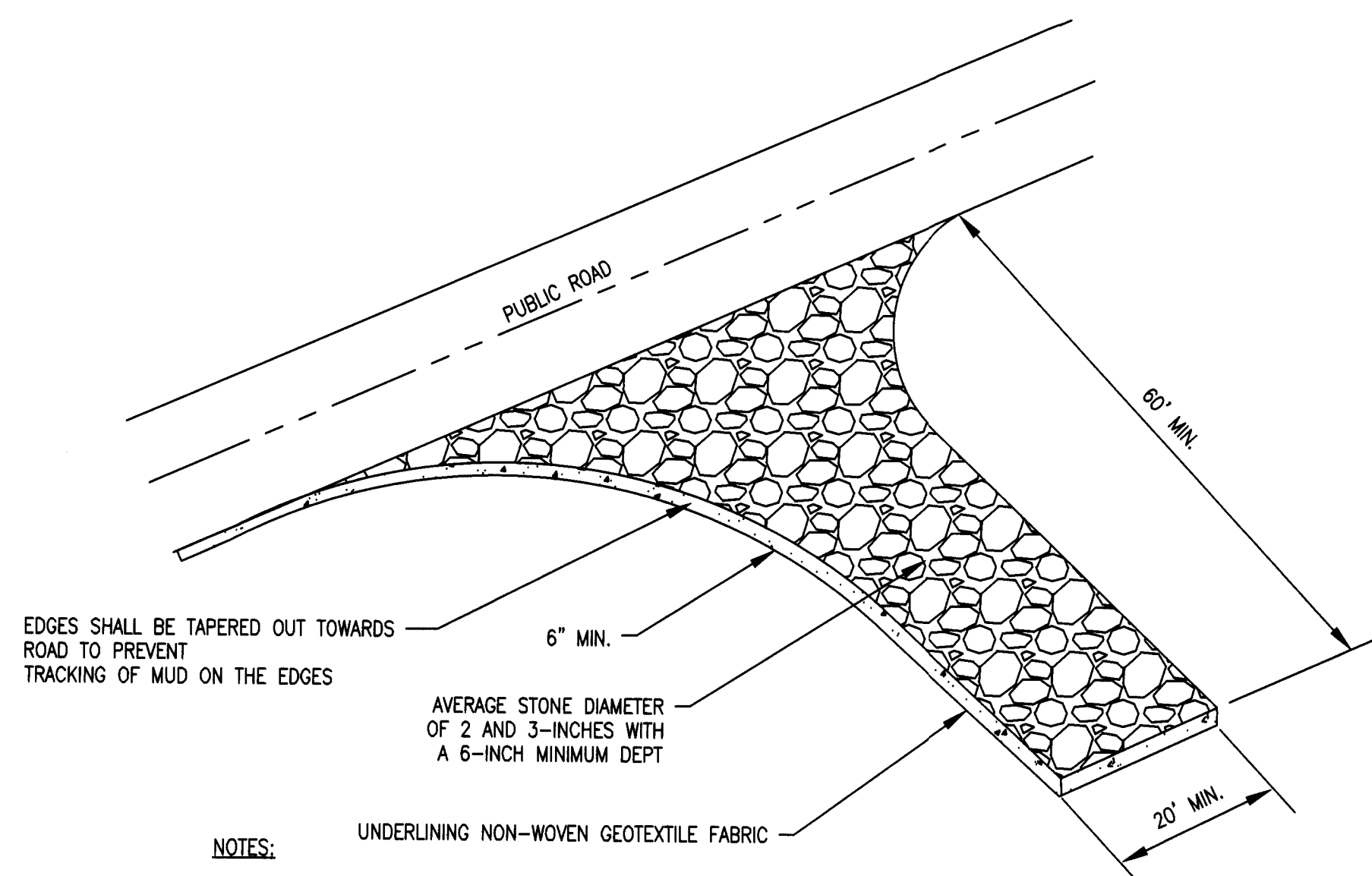


NOTES:

1. SEE FDOT "INDEX 286" FOR MORE DETAILS ON LOWER LIMIT "TYPE V a" UNDERDRAIN DESIGN.
2. PROVIDE CLEANOUT AT UPSTREAM END OF PIPE PER DETAILS OF FDOT "INDEX 286."
3. FILTER ENVELOPE SHOULD USE FDOT #57 STONE AND TYPE D-3 FILTER FABRIC.
4. FILTER MEDIUM/FINE AGGRATE SHOULD BE WASHED QUARTZ AND LESS THAN 1% SILT, CLAY AND ORGANIC MATTER.
5. FINE AGGRATE SHOULD HAVE A UNIFORMITY COEFFICIENT OF 1.5 OR GREATER BUT NO MORE THAN 4 AND AN EFFECTIVE GRAIN SIZE OF 2.9 - 0.55 MM DIAMETER. CONTRACTOR SHOULD SUBMIT SUPPORTING DOCUMENTS TO DESIGN ENGINEER FOR APPROVAL.

FILTER / UNDERDRAIN DETAILS

N.T.S.

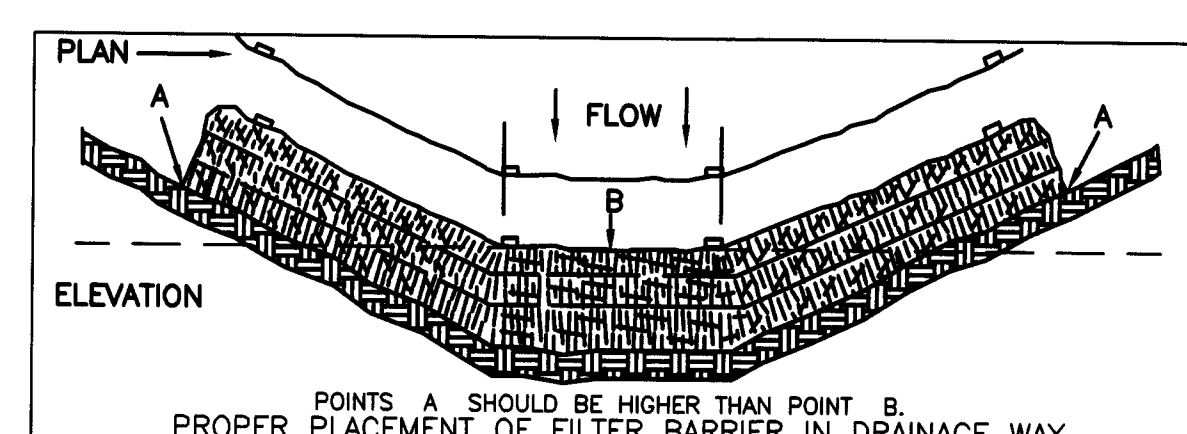
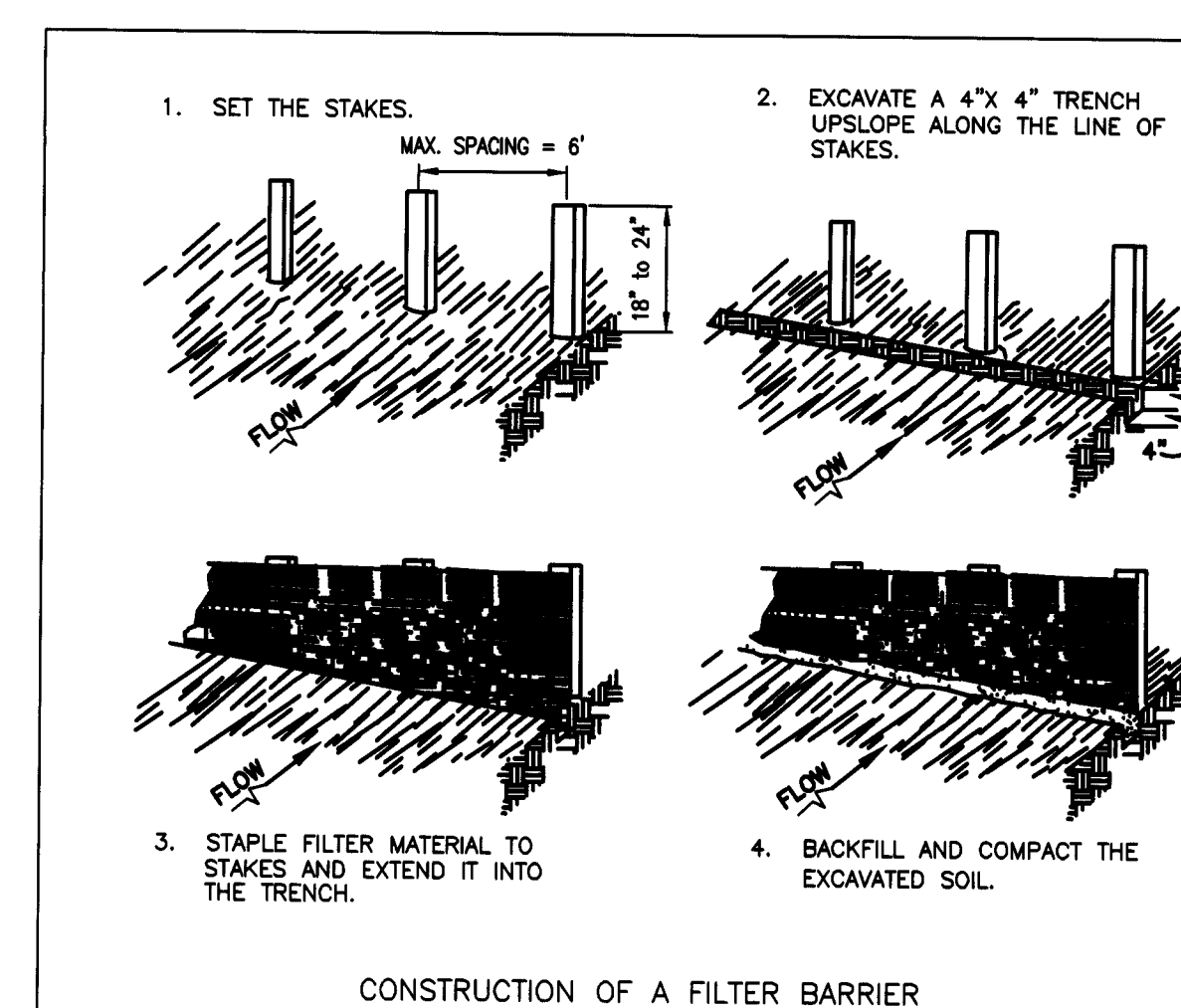
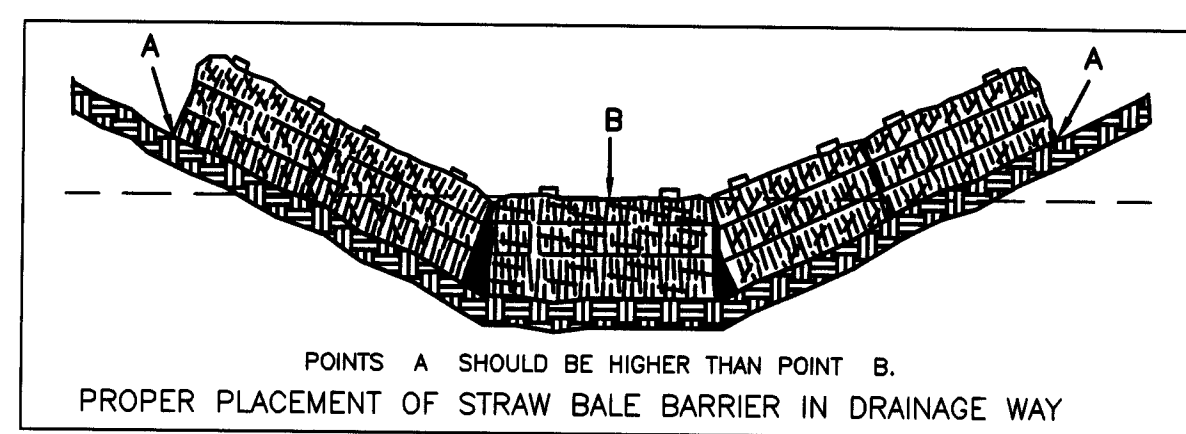
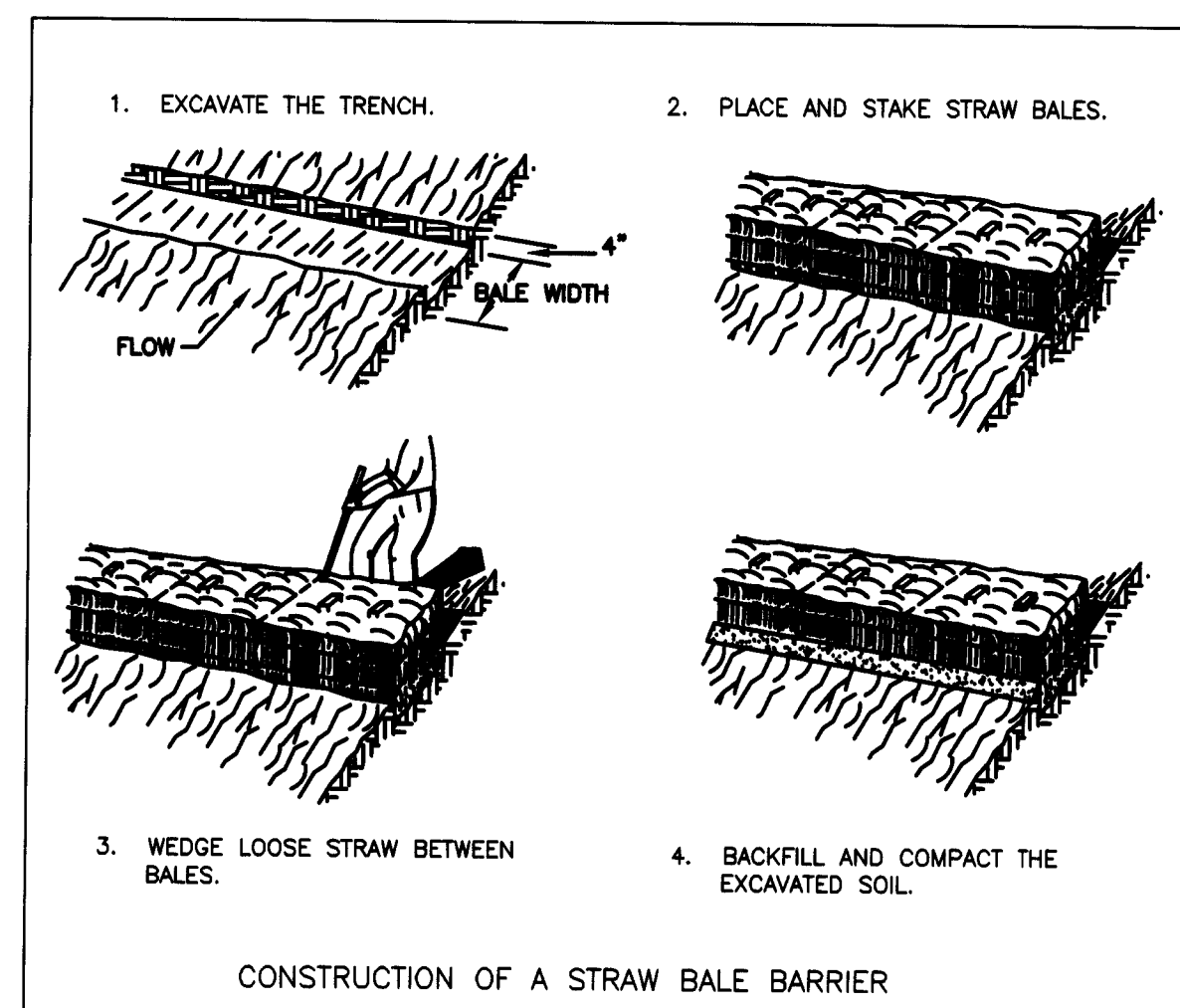


NOTES:

1. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE.
2. INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.
3. WASH OR REPLACE STONE WHENEVER ENTRANCE FAILS TO PREVENT MUD FROM BEING CARRIED OFFSITE BY VEHICLES.
4. THIS IS A MODIFICATION TO SOIL TRACKING PREVENTION DEVICE PER FDOT INDEX #106.
5. SEE FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL FOR ADDITIONAL GUIDELINES AND DETAILS.

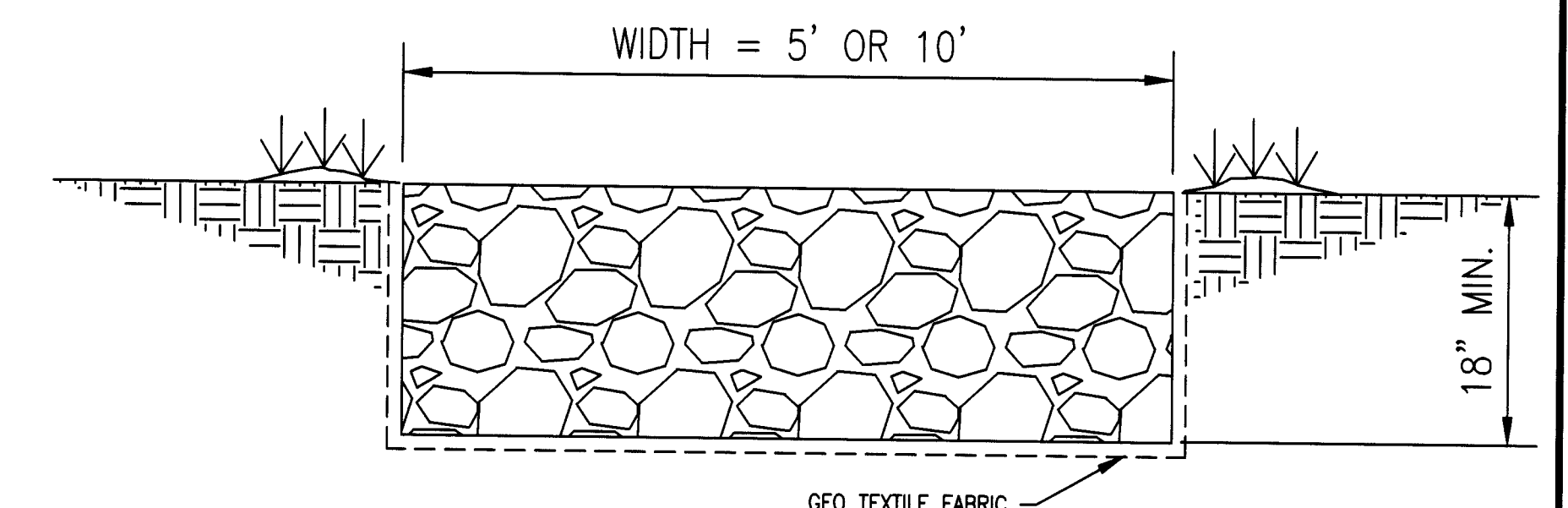
CONSTRUCTION ENTRANCE DETAILS

N.T.S.



EROSION CONTROL

N.T.S.

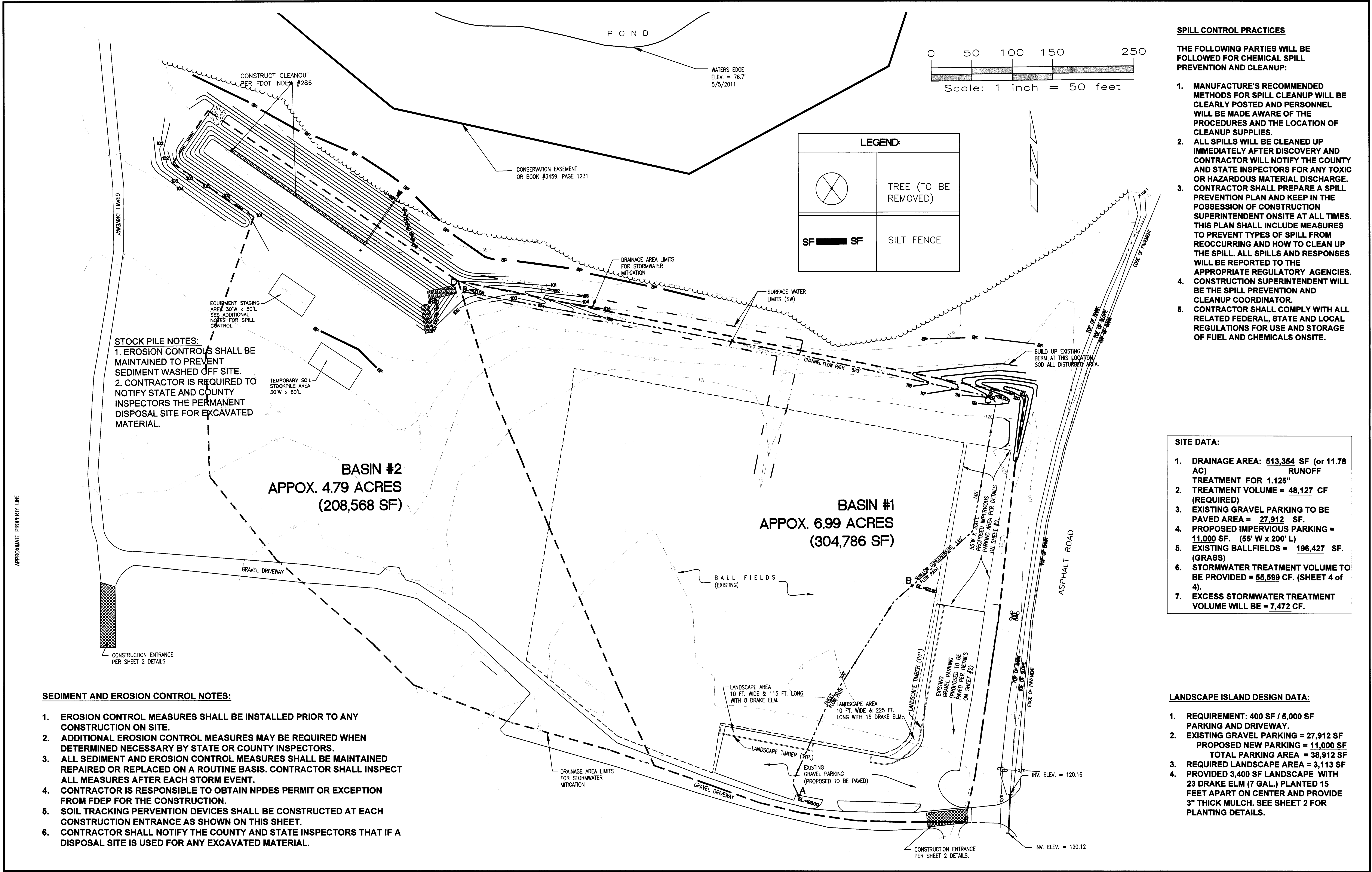


NOTES:

1. RIP-RAP SIZE @ D50=15".
2. RIP-RAP SHALL BE INSTALLED SMOOTHLY FLUSHED WITH ADJACENT GROUND AND GROUTED WITH CEMENT.

RIP-RAP TYPICAL DETAILS

N.T.S.



- SPILL CONTROL PRACTICES**
- THE FOLLOWING PARTIES WILL BE FOLLOWED FOR CHEMICAL SPILL PREVENTION AND CLEANUP:
1. MANUFACTURE'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF CLEANUP SUPPLIES.
 2. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY AND CONTRACTOR WILL NOTIFY THE COUNTY AND STATE INSPECTORS FOR ANY TOXIC OR HAZARDOUS MATERIAL DISCHARGE.
 3. CONTRACTOR SHALL PREPARE A SPILL PREVENTION PLAN AND KEEP IN THE POSSESSION OF CONSTRUCTION SUPERINTENDENT ONSITE AT ALL TIMES. THIS PLAN SHALL INCLUDE MEASURES TO PREVENT TYPES OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL. ALL SPILLS AND RESPONSES WILL BE REPORTED TO THE APPROPRIATE REGULATORY AGENCIES.
 4. CONSTRUCTION SUPERINTENDENT WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.
 5. CONTRACTOR SHALL COMPLY WITH ALL RELATED FEDERAL, STATE AND LOCAL REGULATIONS FOR USE AND STORAGE OF FUEL AND CHEMICALS ONSITE.

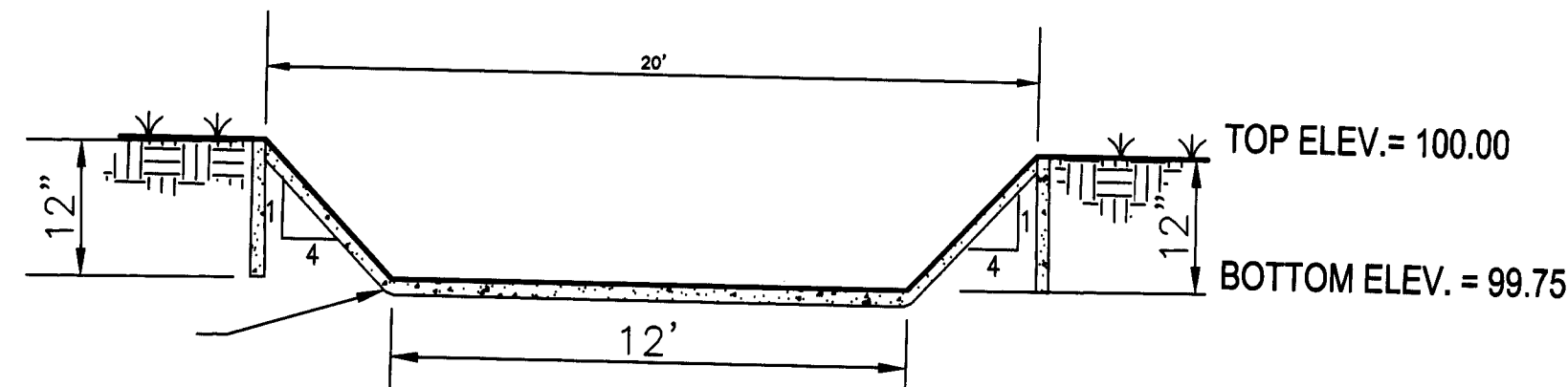
- SITE DATA:**
1. DRAINAGE AREA: 513,354 SF (or 11.78 AC) RUNOFF TREATMENT FOR 1.125" TREATMENT VOLUME = 48,127 CF (REQUIRED)
 2. EXISTING GRAVEL PARKING TO BE PAVED AREA = 27,912 SF.
 3. PROPOSED IMPERVIOUS PARKING AREA PER DETAILS ON SHEET #2.
 4. EXISTING BALLFIELDS = 196,427 SF. (GRASS)
 5. STORMWATER TREATMENT VOLUME TO BE PROVIDED = 55,599 CF. (SHEET 4 of 4).
 6. EXCESS STORMWATER TREATMENT VOLUME WILL BE = 7,472 CF.

- LANDSCAPE ISLAND DESIGN DATA:**
1. REQUIREMENT: 400 SF / 5,000 SF PARKING AND DRIVEWAY.
 2. EXISTING GRAVEL PARKING = 27,912 SF PROPOSED NEW PARKING = 11,000 SF TOTAL PARKING AREA = 38,912 SF
 3. REQUIRED LANDSCAPE AREA = 3,113 SF PROVIDED 3,400 SF LANDSCAPE WITH 23 DRAKE ELM (7 GAL.) PLANTED 15 FEET APART ON CENTER AND PROVIDE 3" THICK MULCH. SEE SHEET 2 FOR PLANTING DETAILS.

STOCK PILE NOTES:

1. EROSION CONTROLS SHALL BE MAINTAINED TO PREVENT SEDIMENT WASHED OFF SITE.
2. CONTRACTOR IS REQUIRED TO NOTIFY STATE AND COUNTY INSPECTORS THE PERMANENT DISPOSAL SITE FOR EXCAVATED MATERIAL.

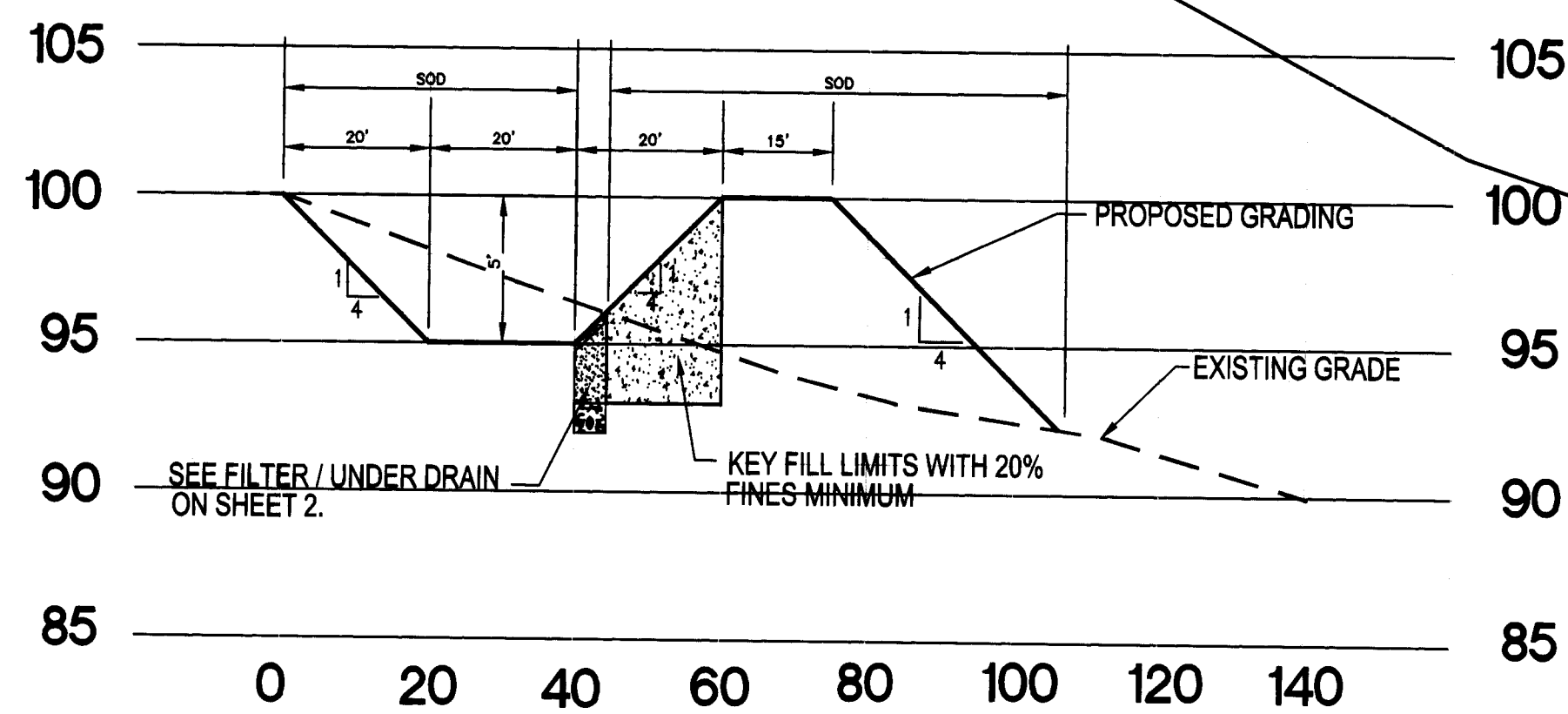
- SEDIMENT AND EROSION CONTROL NOTES:**
1. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ON SITE.
 2. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED WHEN DETERMINED NECESSARY BY STATE OR COUNTY INSPECTORS.
 3. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED REPAIRED OR REPLACED ON A ROUTINE BASIS. CONTRACTOR SHALL INSPECT ALL MEASURES AFTER EACH STORM EVENT.
 4. CONTRACTOR IS RESPONSIBLE TO OBTAIN NPDES PERMIT OR EXCEPTION FROM FDEP FOR THE CONSTRUCTION.
 5. SOIL TRACKING PREVENTION DEVICES SHALL BE CONSTRUCTED AT EACH CONSTRUCTION ENTRANCE AS SHOWN ON THIS SHEET.
 6. CONTRACTOR SHALL NOTIFY THE COUNTY AND STATE INSPECTORS THAT IF A DISPOSAL SITE IS USED FOR ANY EXCAVATED MATERIAL.



SECTION B-B : CONCRETE SPILLWAY DETAILS
N.T.S.

- NOTES:
1. STABILIZE SURFACE WITH 3000 PSI FIBER CONCRETE 4" THICK.
2. SPILLWAY INV. EL. = 99.75

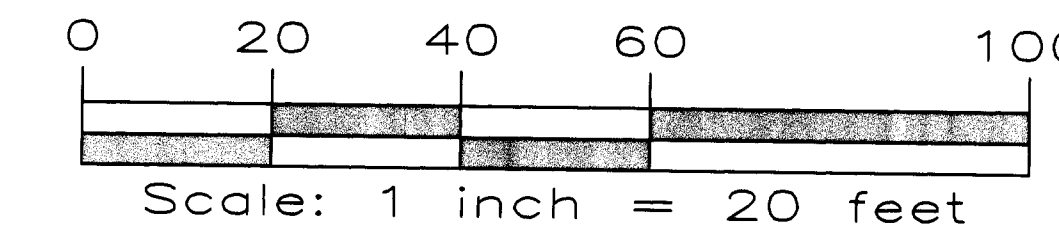
CONSTRUCT CLEANOUT PER FDOT INDEX #286



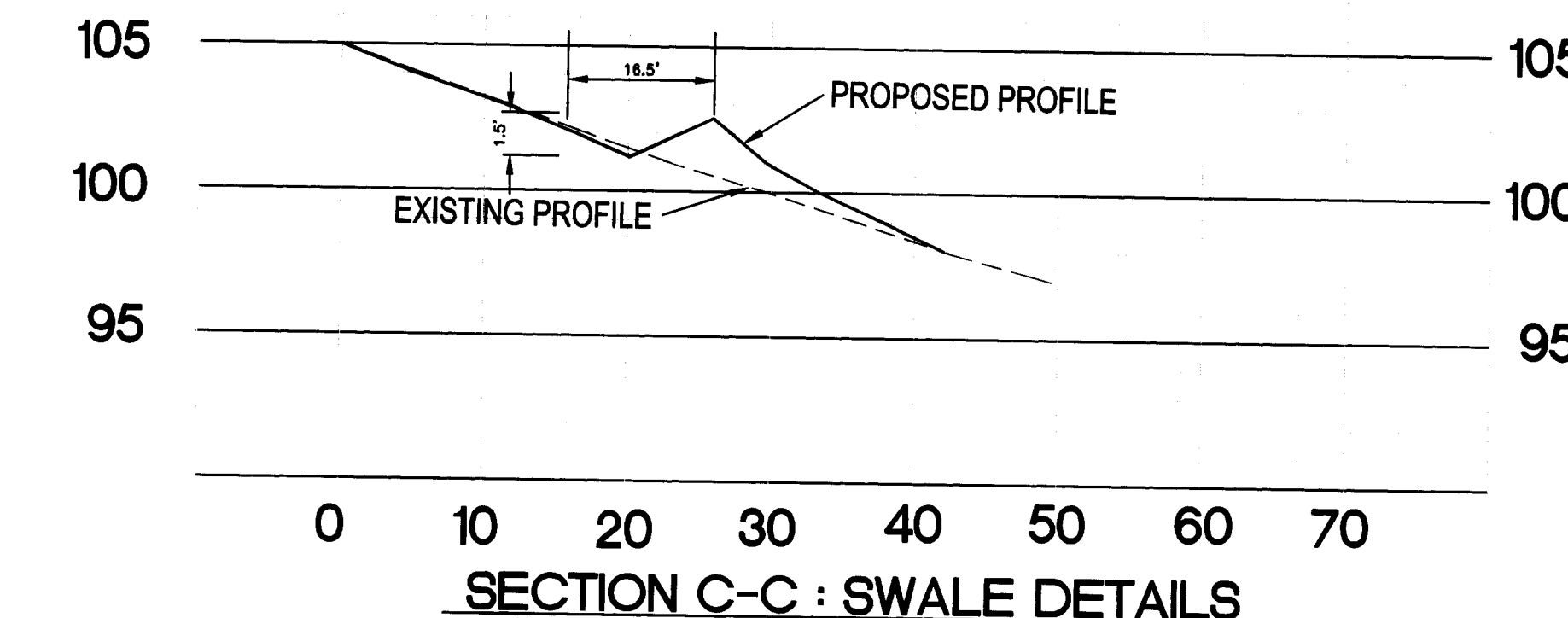
SECTION A-A : BERM KEY DETAILS
N.T.S.

- NOTES:
1. FILL MATERIALS USED FOR BERM AND KEY SHALL HAVE A MINIMUM OF 20% FINES, GENERALLY CLAYED FINES.
2. FILLING SHALL OCCUR IN LEVEL LIFTS NOT EXCEEDING 12-INCH IN UNCOMPACTED THICKNESS. EACH LIFT SHALL BE COMPACTED BY REPEAT PASSES TO ACHIEVE A MINIMUM OF 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY. LIGHTLY SCARIFY THE COMPACTED SOIL SURFACES BEFORE NEXT LIFT IS PLACED TO PROMOTE BONDING BETWEEN LIFTS.
3. SEE ARDAMAN JAN. 19, 2012 GEOTECH REPORT FOR MORE DETAILS ON SITE PREPARATION PROCEDURES.
4. CONTACT ARDAMAN @ 850-576-8131 THREE DAYS PRIOR TO PROOF-ROLLING TO OBTAIN BULK SAMPLES OF SITE SOILS AND PROPOSED FILLS. SO MAXIMUM PROCTOR DRY DENSITY VALVE WILL BE AVAILABLE FOR PROOF-ROLLING AND DENSITY TESTING.
5. SOD STORMWATER POND BESIDES GRAVEL / SAND FILTER AREA.
6. IF ANY SOLID WASTE MATERIAL IS ENCOUNTERED DURING POND CONSTRUCTION, CONTRACTOR SHALL STOP IMMEDIATELY AND NOTIFY STATE & COUNTY INSPECTORS FOR FURTHER INSTRUCTION.
7. CUT & FILL VOLUME ESTIMATE:
FILL: 229,84 R2 x 360 ft = 3,065 cy
CUT: (82+53) R2 x 360ft = 1,800 cy

POND VOLUME INFORMATION			
Elevation	Area (sf)	Unit Vol. (cf)	Cumm. Vol. (cf)
95	6,679	0	0
96	9,557	8,118	8,118
97	12,615	11,086	19,204
98	15,775	14,195	33,399
99	19,063	17,419	50,818
99.25	19,184	4,781	55,599
99.5	19,306	4,811	60,410
100	19,548	9,713	70,124



POND



- NOTES:
1. SANDY CLAY SHOULD BE USED FOR BERM CONSTRUCTION AND COMPACTED TO 80% MAX. DRY UNIT WEIGHT OR 100 LB/FT³, WHICH EVER IS GREATER.
2. SOD SWALE FOR ALL DISTURBED AREA.

DRAINAGE AREA LIMITS FOR STORMWATER MITIGATION

