FINIAL PLANS
FOR
AVON PARK AIRPORT DRAINAGE
By
CITY OF AVON PARK

SECTION 21 & 28,
TOWNSHIP 33 SOUTH,
RANGE 28 EAST

INDEX

CIVIL

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GENERAL NOTES:

1. B.M. DATA IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NVD-29)

2. ANY NVD-29 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHOULD NOTIFY:

   G. W. HAMMOND & COMPANY
   NAVAL ENGINEERING CENTER
   A.M. MAIN MAINTENANCE SECTION N/25-162
   2021 EXECUTIVE BUILDING
   ROCLLINS, MARYLAND 20823
   TELEPHONE NO. (301) 544-8707

3. EXISTING SECTIONS CORNER AND 1/8 SCALE CORNERS, AND OTHER LANDMARKS, MONUMENTS LOCATED IN PROPOSED CONSTRUCTION ARE TO BE REFERENCED PRIOR TO CONSTRUCTION AND RE-ESTABLISHED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL HAVE HIS WORK DONE BY A REGISTERED PROFESSIONAL LAND SURVEYOR (FLORIDA REGISTRATION)

4. THE MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHAL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. DEPARTMENT OF TRANSPORTATION, FHWA)

5. RADIAL ELEVATIONS AND DIMENSIONS ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

6. CHASIS SHOWN ARE FINISH GRADES.

7. PERMANENT OUTLETS AND DRAINAGE CONNECTIONS TO PRIVATE PROPERTY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TRENCHING AND TAPING SPECIFICATIONS REFERENCED ON THESE PLANS.

8. EXISTING DRAINAGE SYSTEMS WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.

9. THE APPROPRIATE UTILITY COMPANY SHALL BE NOTIFIED BY THE CONTRACTOR 48 HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING UTILITY LINES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE CONTRACTOR SHALL CALL FOR FIELD LOCATIONS 48 HOURS BEFORE DIGGING NEAR UNDERGROUND UTILITIES.

10. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.

11. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.

12. PERFORMANCE BONDS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND STATE OF FLORIDA ROADWAY AND TRAFFIC DESIGN STANDARDS DATED JANUARY 2006.

13. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATE LAW ON THE PROTECTION OF UNDERGROUND GAS LINES.

14. UTILITIES TO BE ADJUSTED BY OTHERS, AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED.

15. THE LOCATION OF THE EXISTING UTILITIES ShOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER" UTILITIES (NOT SHOWN IN THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOWN UTILITIES ARE TO BE UTILIZED CONFLICTS WITHIN UTILITIES ARE TO BE RESOLVED ACCORDING TO THE ENGINEER’S DIRECTIONS.

16. ALL UTILITIES WITHIN AREA OF CONSTRUCTION OR DISTURBED BY CONSTRUCTION TO BE ADJUSTED TO FINISHED GRADE. REPLACE VALEUM COLLARS AND BOWS AS NECESSARY.

17. CONCRETE CONVEYOR BELTS WILL BE REPLACED "AS NEEDED" UTILIZING 15" CONCRETE OR ASPHALT ACCORDING TO THE STATE OF FLORIDA (DEPARTMENT OF TRANSPORTATION) ROADWAY AND TRAFFIC DESIGN STANDARDS, DATED JAN., 2006.

18. EXISTING DRAINAGE WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH UNLESS OTHERWISE SHOWN IN THE PLANS.

19. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFICATION.
RENTENTION POND
TOTAL ACRES = 10.00

Install Silt Fence

Note: Gopher Tortoise relocation inside the perimeter of the silt fence, after silt fence has been installed.

10'-0" Typ.

Scale: 1" = 100'

CERT. OF AUTHORIZATION #29713
FLA LICENSE NO 16921
(863) 657-2323 Office
(863) 657-2324 Fax
carl@coolandcobb.com

OWNER:
CITY OF AVON PARK
110 East Main St.
Avon Park, FL 33825
(863) 452-4400

ENGINEER:
Cool & Cobb Engineering Co.
203 West Main Street
Avon Park, FL 33825

PROJECT:
AVON PARK AIRPORT DRAINAGE
1545 SR 64 West
Avon Park, FL 33825

Revisions:
Original 03/17/11 02/15/12 06/12/12 12/21/12

NOTE:
Plans have been revised from Chastain-Skillman, Inc. plans dated: 12-22-10

SEAL:

NOTE:
Previous Pond No. 1 Design
Invert = 150.00'
40' of 18" RCP with Mitered End Sections
E. Invert = 147.96'
W. Invert = 147.80'

Previous Pond No. 2 Design
Invert = 150.00'
40' of 18" RCP with Mitered End Sections
E. Invert = 147.96'
W. Invert = 147.76'

New 12" PVC Class 100 Pipe installed 4' under surface.

Drainage Ditch

40' of 24" RCP with Mitered End Sections
& Score - 1.00'
S. Invert = 147.50'
N. Invert = 147.60'

40' of 24" RCP with Mitered End Sections
& Score - 1.25'
S. Invert = 147.30'
N. Invert = 147.40'

Pondless Pond No. 1 Design

Pondless Pond No. 2 Design

Note: Gopher Tortoise relocation inside the perimeter of the silt fence, after silt fence has been installed.

Drainage Ditch

40' of 18" RCP with Mitered End Sections
& Score - 1.00'
S. Invert = 147.00'
N. Invert = 147.30'

150' of 24" RCP with Mitered End Sections
& Score - 1.25'
S. Invert = 147.40'
N. Invert = 147.50'

40' of 18" RCP with Mitered End Sections
& Score - 1.25'
S. Invert = 147.40'
N. Invert = 147.50'

NOTE:
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Invert = 150.00'
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Invert = 150.00'
40' of 18" RCP with Mitered End Sections
E. Invert = 147.96'
W. Invert = 147.76'

New 12" PVC Class 100 Pipe installed 4' under surface.

Drainage Ditch

40' of 24" RCP with Mitered End Sections
& Score - 1.00'
S. Invert = 147.50'
N. Invert = 147.60'

40' of 24" RCP with Mitered End Sections
& Score - 1.25'
S. Invert = 147.30'
N. Invert = 147.40'

Pondless Pond No. 1 Design

Pondless Pond No. 2 Design

Note: Gopher Tortoise relocation inside the perimeter of the silt fence, after silt fence has been installed.

Drainage Ditch

40' of 18" RCP with Mitered End Sections
& Score - 1.00'
S. Invert = 147.00'
N. Invert = 147.30'

150' of 24" RCP with Mitered End Sections
& Score - 1.25'
S. Invert = 147.40'
N. Invert = 147.50'

40' of 18" RCP with Mitered End Sections
& Score - 1.25'
S. Invert = 147.40'
N. Invert = 147.50'

New 12" PVC Class 100 Pipe installed 4' under surface.
RENTENTION POND
TOTAL ACRES = 10.00

NOTE:
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REVISIONS:
Original 03/17/11 02/15/12 06/12/12

SCALE: 1" = 100'

STOCK PILE IS TO BE
SEED AND MULCH
INSTALL SILT FENCE TO REMAIN IN PLACE

Site name=
STOCK PILE VOL
FILL = 85000
Top Elevation 1780

SILT - SILT - SILT - SILT - SILT - SILT - SILT
RENTENTION POND
TOTAL ACRES = 10.00

150' of 24" RCP with Mitered End Sections
S. Invert = 147.00'
N. Invert = 147.30'

Pump Station
New 12" PVC Class 100 Pipe installed 4' under surface.

Drainage Ditch

Previous Pond No. 1 Design
Invert = 150.00'

Previous Pond No. 2 Design

40' of 18" RCP with Mitered End Sections
S. Invert = 147.60'
N. Invert = 147.70'
40' of 24" RCP with Mitered End Sections
E. Invert = 147.60'
W. Invert = 147.50'
40' of 24" RCP with Mitered End Sections
S. Invert = 147.50'
N. Invert = 147.60'

APPROXIMATE DISTANCE = 350'
APPROXIMATE DISTANCE = 455'
APPROXIMATE DISTANCE = 140'
APPROXIMATE DISTANCE = 45'
APPROXIMATE DISTANCE = 160'
APPROXIMATE DISTANCE = 670'

2'-6" From Property Line

20' Skink Mitigation. Typ.

Scale : 1" = 100'

NOTE:
SILT FENCE IS TO BE INSTALLED DOWN GRADIENT OF ANY TRENCHING AND SPoil BERM.

NOTE:

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1545 SR 64 West
Avon Park, FL 33825
New 12" PVC Class 100 Pipe installed 4' under surface.

Approximate Distance = 50'

Approximate Distance = 180'

Approximate Distance = 45'

Approximate Distance = 140'

Approximate Distance = 455'

Approximate Distance = 350'

Approximate Distance = 670'
NOTE:
SILT FENCE IS TO BE INSTALLED DOWN GRADIENT OF ANY TRENCHING AND SPoil BERM.
12" PVC Class 100 to be saw cut into North side of existing catch basin at 48" below grate elevation. Place 90° elbow at termination end inside catch basin. Elbow to be turned to the East. Fill voids with non-shrink grout.

12" HDPE pipe under existing road and tie into existing catch basin.

Jack and bore 12" HDPE pipe under existing road and tie into existing catch basin.

NOTE: SILT FENCE IS TO BE INSTALLED DOWN GRADIENT OF ANY TRENCHING AND SPOIL BERM.
**Plan View**

**Pump Station**

- **10" Cast Iron Pipe**
- **10" Check Valves**
- **(2) 10" Pumps on Slide Rails**
- **12" PVC Class 100 Pipe**
- **2" PVC Drain Pipe Sch. 40**

**Section A-A**

**Pump Station**

- **4:1 Side Slope**
- **1 4" / ft Slope**
- **40' of 36" RCP with Slope = 0.025**
- **Retention Pond Bottom Elev. = 147.00'**
- **Elev. = 143.00'**
- **Wet Well Invert Elev. = 140.00'**
- **Elev. = 150.00'**
- **Pump Cut Off D.L.W. = 147.00'**
- **Pump No.2 Turn On D.H.W. = 149.00'**

- **6' Chain Link Fence with 3 Strans of Barbed Wire**
- **Type H Precast Inlet -3 Cast Iron Grates and Double sloted Top of Grate Elev. = 148.00' Bottom of Slot Elev. = 147.00'**
- **Attach Baffel to Chain Link Fence Top = 150.00' Bottom = 148.00'**

- **Wet Well Top Elev. = 153.00'**

**Wet Well Details**

- **10" Cast Iron Pipe**

**Pump Details**

- **Pumps**: 3 WILO (EMU)
  - **10" Model FA25.31Z**
  - **18 H.P. - 1140 RPM**
  - **460 V - 3 Phase**

- **Supplier**: Florida Bearings, Inc.
  - **(561) 863-3260**

Note: (3) Pumps to be purchased. Two pumps to be installed in wet well and one pump to be turned over to the City of Avon Park for a replacement pump.
Section B-B
Retention Area

Section C-C
Swale

Section E-E
Culvert- Force Main

Section G-G
Directional Bore

Section D-D
Culvert Section Typ.

Galvanized Chainlink Fence Details
- 6'-0" + 3 Strands of Barbed Wire
- 2" Mesh
- 9 Gauge Wire
- 2 7/8" D.O.D. x 0.130" Line Post
- 2 7/8" D.O.D. x 0.160" Corner Post
- 9 Gauge - 16" O.C. Wire Ties
- 1 3/4" Top Rail
- No. 7 Bottom Wire
- 3 Strands - 12 1/2" Gauge with 4 - Point Barbs on 45° Metal Arms

40'-0" Culvert Length

Proposed 12" HDPE directional bore at 4' min. below surface.

NOTE:
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- Cert. of Authorization #29713
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NOT TO SCALE


Sec. 02.205. Rigid Ditch Checks: All materials shall be in accordance with the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, current edition, and constructed in accordance with the State of Florida Department of Transportation Design Standards for Design, Construction, Maintenance, and Utility Operations on the State Highway System, current edition.

Sec. 02.209. Fencing: All materials shall be in accordance with the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, current edition, and constructed in accordance with the State of Florida Department of Transportation Design Standards for Design, Construction, Maintenance, and Utility Operations on the State Highway System, current edition.

Sec. 02.210. Limerock or Shellrock Base: All materials shall be in accordance with the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, current edition, and constructed in accordance with the State of Florida Department of Transportation Design Standards for Design, Construction, Maintenance, and Utility Operations on the State Highway System, current edition.

Sec. 02.212. Pavement Marking: All materials shall be in accordance with the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, current edition, and constructed in accordance with the State of Florida Department of Transportation Design Standards for Design, Construction, Maintenance, and Utility Operations on the State Highway System, current edition.

Sec. 02.213. Signs: All materials and installation methods shall be in accordance with the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, current edition, and constructed in accordance with the State of Florida Department of Transportation Design Standards for Design, Construction, Maintenance, and Utility Operations on the State Highway System, current edition.

Sec. 02.219. Guardrail: All materials shall be in accordance with the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, current edition, and constructed in accordance with the State of Florida Department of Transportation Design Standards for Design, Construction, Maintenance, and Utility Operations on the State Highway System, current edition.

Sec. 02.221. Field Engineering, Surveying and Right-of-Way Staking: A. Field engineering and surveying services shall include survey work to establish right-of-way lines and levels and to construct, maintain, and operate the control points for the project. B. The materials to be used for the driveway maintenance shall be limerock, stone or oyster shell. C. Contractor shall lay out the work at the location and to the lines and grades shown on the Drawings. D. Burning of such materials will only be allowed when proper burn permit can be obtained from the Project Engineer.

Sec. 02.223. Shop Drawing Submittals: The following information and/or drawings shall be submitted to the Project Engineer:

Sec. 02.224. Earthwork: All materials shall be in accordance with the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, current edition, and constructed in accordance with the State of Florida Department of Transportation Design Standards for Design, Construction, Maintenance, and Utility Operations on the State Highway System, current edition.

Sec. 02.225. Diversionary Ditch Construction: A. The Contractor shall be required to construct and maintain a diversionary ditch to divert floodwaters from the project area. B. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer. C. Should the test samples fail to meet the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, current edition, the Contractor will be responsible for the cost of removal and replacement of the failed material.

Sec. 02.226. Contractor shall have the right to select the depth and width of the ditch to suit his needs. The ditch shall be designed to handle the expected runoff from the project area.


Sec. 02.228. Survey Notes: The Survey Notes shall be submitted to the Project Engineer in a format and medium acceptable to the Project Engineer. A. Survey notes shall be submitted in hard copy format and must be submitted to the Project Engineer in a format and medium acceptable to the Project Engineer.

Sec. 02.229. Shop Drawing Submittals: The following information and/or drawings shall be submitted to the Project Engineer:

Sec. 02.230. Preliminary Work: A. The Contractor shall be required to complete preliminary work prior to the commencement of the actual construction work. B. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer.

Sec. 02.231. As-Built Drawings: The Contractor shall be required to submit as-built drawings to the Project Engineer. A. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer. B. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer.

Sec. 02.232. Final Engineering, Surveying and Right-of-Way Staking: A. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer.

Sec. 02.233. Shop Drawing Submittals: The following information and/or drawings shall be submitted to the Project Engineer:

Sec. 02.234. Preliminary Work: A. The Contractor shall be required to complete preliminary work prior to the commencement of the actual construction work. B. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer.

Sec. 02.235. As-Built Drawings: The Contractor shall be required to submit as-built drawings to the Project Engineer. A. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer. B. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer.

Sec. 02.236. Final Engineering, Surveying and Right-of-Way Staking: A. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer.

Sec. 02.237. Shop Drawing Submittals: The following information and/or drawings shall be submitted to the Project Engineer:

Sec. 02.238. Preliminary Work: A. The Contractor shall be required to complete preliminary work prior to the commencement of the actual construction work. B. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer.

Sec. 02.239. As-Built Drawings: The Contractor shall be required to submit as-built drawings to the Project Engineer. A. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer. B. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer.

Sec. 02.240. Final Engineering, Surveying and Right-of-Way Staking: A. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer.

Sec. 02.241. Shop Drawing Submittals: The following information and/or drawings shall be submitted to the Project Engineer:

Sec. 02.242. Preliminary Work: A. The Contractor shall be required to complete preliminary work prior to the commencement of the actual construction work. B. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer.

Sec. 02.243. As-Built Drawings: The Contractor shall be required to submit as-built drawings to the Project Engineer. A. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer. B. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer.

Sec. 02.244. Final Engineering, Surveying and Right-of-Way Staking: A. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer.

Sec. 02.245. Shop Drawing Submittals: The following information and/or drawings shall be submitted to the Project Engineer:

Sec. 02.246. Preliminary Work: A. The Contractor shall be required to complete preliminary work prior to the commencement of the actual construction work. B. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer.

Sec. 02.247. As-Built Drawings: The Contractor shall be required to submit as-built drawings to the Project Engineer. A. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer. B. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer.

Sec. 02.248. Final Engineering, Surveying and Right-of-Way Staking: A. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer.

Sec. 02.249. Shop Drawing Submittals: The following information and/or drawings shall be submitted to the Project Engineer:

Sec. 02.250. Preliminary Work: A. The Contractor shall be required to complete preliminary work prior to the commencement of the actual construction work. B. The Contractor shall be required to conduct and/or stop his work so that the appropriate tests, samples and measurements can be completed by the independent testing laboratory. The independent testing laboratory shall mail or hand deliver copies of all tests directly to the office of the County Engineer.

Sec. 02.251. As-Built Drawings: The Contractor shall be required to submit as-built drawings to the Project Engineer. A. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer. B. The Contractor shall be required to submit as-built drawings to the Project Engineer in a format and medium acceptable to the Project Engineer.
Hay bales or other approved measures will be placed around existing inlets as indicated on the plans.

WATER MANAGEMENT

Project Description and General Information
— Fire hydrant flushings.

Highlands County, Florida. The project can also be located in Section 02, Township 33S and Range 14E. All major activities will be as follows:

1. Install silt screen and inlet protection as shown on plans. Silt fence shall be used in lieu of temporary perimeter swales. Install hay bales or other approved measures for inlet protection. Note: The above mentioned sediment control practices will be directed to temporary sediment basins to be established during the construction activities. These basins will be temporarily be in a dynamic function and will be determined by the on-site construction superintendent.

2. The project批准ed Plan for Lake Anoka is approximately 24.75” 28.5” 30.75” 32.5” 34.5”.

Key takeaways or approved measures will be placed around existing inlets as indicated on the plans. Flushing should be conducted at least three times in a lake area in proximity to the proposed boat launch location.

Note: The following practices will be utilized to reduce the risks associated with hazardous materials:

1. All hazardous waste materials will be collected and stored in metal dumpsters and then housed until they are transported to disposal facilities. All hazardous waste material shall be transported from the site to the disposal facilities in a manner that will ensure safety and health of employees. Hazardous waste material in the form of spillage will be transported in a manner specified by local or state regulations. All transfer of hazardous waste material on or off the site will be properly disposed of according to manufacturers’ instructions or specifications. All hazardous waste materials will be stored in the manner specified by local and state regulations. All hazardous waste material will be stored in a neat, orderly manner in their appropriate containers, if possible, under a roof or other cover.


General Practices

All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and if possible, under a roof or other cover.

Products will be kept in their original containers with the original label.

The following procedures will be followed when the containers are located in either: a) an approved disposal site. The dumpsters will meet all county and state solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. No material will be even disposed or removed from the site.

The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with the hazardous material. Skin protection garments will be designed to include pesticides to prevent contact with the hazardous material. Suits of hazard or resistant material will be required to the application or disposal of the hazardous material. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with the hazardous material. Skin protection garments will be designed to include pesticides to prevent contact with the hazardous material. Suits of hazard or resistant material will be required to the application or disposal of the hazardous material. Materials and equipment necessary for spill cleanup will be kept in the spill area in a manner that will ensure safety and health of employees. Materials and equipment necessary for spill cleanup will be kept in the spill area in a manner that will ensure safety and health of employees.

Springs, riparian habitats and wetlands.

Rechecking of offsite tracking of sediments at the entrances is essential where silt fence will not be used or in areas where it is not sufficient. If it appears that significant amounts of sediment are being tracked off the site, gravel entrances are recommended to help dislodge the soil, sediment and dirt before the vehicles leave the site. Any dump trucks hauling material to and from the site must be properly maintained and silted to prevent any release of sediments during transport.

The work specified in this section consists of measures required to control erosion and transport of sediments generated by the project. All areas under the project will be degraded by vegetation. Sediments generated by the project must be controlled to prevent offsite transport of sediments. Temporary and permanent control measures will be taken to prevent erosion of slopes, stream banks, toes, embankments, etc., specifically for this purpose.

The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with the hazardous material. Skin protection garments will be designed to include pesticides to prevent contact with the hazardous material. Suits of hazard or resistant material will be required to the application or disposal of the hazardous material. Materials and equipment necessary for spill cleanup will be kept in the spill area in a manner that will ensure safety and health of employees. Materials and equipment necessary for spill cleanup will be kept in the spill area in a manner that will ensure safety and health of employees.

Scoring Practices

Monitoring of offsite tracking of sediments at the entrances is essential where silt fence will not be used or in areas where it is not sufficient. If it appears that significant amounts of sediment are being tracked off the site, gravel entrances are recommended to help dislodge the soil, sediment and dirt before the vehicles leave the site. Any dump trucks hauling material to and from the site must be properly maintained and silted to prevent any release of sediments during transport.
**RI032**

**Telemetry Control Unit**

**Overview**

The RIO032 is a 32-input/32-output terminal for the Avon Park Airport Drainage Project. This unit provides digital inputs and outputs for various control functions.

**Key Features**

- **Digital Inputs:** 8, 16, 32 inputs available.
- **Digital Outputs:** 8, 16, 32 outputs available.
- **Power Supply:** 110VAC input, 230VAC output.
- **Communication:** RS-232, RS-485, and 8/7 Data Bits.
- **Inputs:** Can be configured to accept various signal types.
- **Outputs:** Can be configured to drive various loads.

**Applications**

- **Data Logging:** Store and record data for analysis.
- **Alarm Monitoring:** Activate alarms for critical conditions.
- **Control Outputs:** Drive actuators for system control.

**Configuration Options**

- **Protocol:** Various options for different communication protocols.
- **BPS (Bits per Second):** Adjust for different data rates.
- **Parity:** Even, odd, or none.
- **Stop Bits:** 1 or 2 stop bits.

**Certifications**

- **UL:** Listed for safety and reliability.
- **CE:** Compliant with European regulations.

**Contact Information**

- **Cool & Cobb Engineering Co.:**
  - Address: 203 West Main Street, Avon Park, FL 33825
  - Phone: (863) 452-4400
- **Owner:** City of Avon Park
  - Address: 110 East Main St., Avon Park, FL 33825
  - Phone: (863) 452-4400

**Project Details**

- **Project:** Avon Park Airport Drainage Project
  - Location: 1545 SR 64 West, Avon Park, FL 33825

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**Project Details**

- **Project:** Avon Park Airport Drainage Project
  - Location: 1545 SR 64 West, Avon Park, FL 33825
1.) Contractor shall provide one 100KW - 460 volt 3 phase trailer mounted generator and controller with project. Generator shall be wired for quick connection of generator by city.

2.) Telemetry system shall be tested and connected to the city's existing telemetry system.

Sheet 16 of 16

Revisions:
Original 03/17/11 02/15/12 06/12/12

CERT. OF AUTHORIZATION #29713
FLA LICENSE NO 16921
(863) 657-2323 Office
(863) 657-2324 Fax
carl@coolandcobb.com

SEAL:

OWNER:

CITY

OF

AVON PARK
110 East Main St.
Avon Park, FL 33825
(863) 452-4400

ENGINEER:
Cool & Cobb
Engineering Co.
203 West Main Street
Avon Park, FL 33825

PROJECT:
AVON PARK AIRPORT
DRAINAGE
1545 SR 64 West
Avon Park, FL 33825