1. The topographic survey shown herein is a composite of two surveys. The first was completed by Project Survival & Photography and the Client. The second was completed by a Florida Professional Land Surveyor. The information shown herein is subject to error. The topographic survey was completed in 2015. The second topographic survey was completed in 2017. The second topographic survey was completed by Findley & Associates, Inc. The survey was performed by a Florida Professional Land Surveyor.

2. All information herein is subject to error. The contractor shall verify the accuracy of all work and other data herein. The contractor shall also verify the accuracy of all work and other data herein by performing his own independent survey.

3. The contractor shall be responsible for the accuracy of all work and other data herein. The contractor shall also verify the accuracy of all work and other data herein by performing his own independent survey.

4. The contractor shall comply with all work, connections, and requirements of all applicable permits, including all permits required for the site.

5. The contractor shall provide all necessary excavation, shoring, and hauling as required by the "Manual on Trenching and Safe Practices." All pipe sizes shall have minor clearance of 0.5" utilized otherwise.

6. All pipe size collection system pipes shall be G111-3. All field joints shall be Grout-2001.

7. All field joints shall be Grout-2001. All inspection and testing details for the use of the pipe collection system shall be 3040 316L stainless steel line utilized elsewhere.

8. The contractor shall take whatever means necessary to protect ground water monitoring wells/piezometers from damage during construction, excavation, and demolition. The contractor shall also notify the client in writing prior to beginning work that he/she will comply with applicable trench safety standards.

9. The contractor shall take whatever means necessary to protect ground water monitoring wells/piezometers from damage during construction, excavation, and demolition. The contractor shall also notify the client in writing prior to beginning work that he/she will comply with applicable trench safety standards.

10. All existing structures, utility lines, and other hazards (chemical, physical, and radioactive, etc.) shall be noted on the plans as noted herein. The contractor shall take all precautions necessary to protect personnel from sharp objects, and other hazards associated with working at a landfill, including contact with leachate, other contaminated soils, and other hazards.

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LEON COUNTY SOLID WASTE MANAGEMENT FACILITY
CLASS I AND CLASS III LANDFILL CLOSURE
TALLAHASSEE, LEON COUNTY, FLORIDA

EXISTING CONDITIONS AND DEMOLITION

NOVEMBER 2016

REVISED BID DOCUMENTS

11/10/17
1

12/11/17
2
11. ALL STABILIZED AREAS INTO DOUBLE STAKED SYNTHETIC BALES.

10. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH OWNER, ENGINEER, AND OTHER SITE WORK SHALL BE INCORPORATED AS SOON AS POSSIBLE.

9. TEMPORARY STABILIZATION SHALL NOT BE LOCATED ACROSS OR ADJACENT TO THE WEBBING. MATERIALS TO INCLUDE THE FOLLOWING:

8. TIRE STORAGE AREA: 100,000 SF

7. LANDFILL (18.3 AC)

6. LANDFILL (59.0 AC)

5. LEACHATE PUMP STATION NO. 1

4. STORMWATER POND NO. 4

3. STORMWATER POND NO. 2

2. STORMFLOP 5

1. STORMFLOP 6

ELEVATION:

SILT FENCE EROSION CONTROL

SANDBAGS SHALL BE USED FOR PROTECTING THE BANKS DURING CONSTRUCTION. BANK PROTECTION MATERIALS TO INCLUDE THE FOLLOWING:

- Anchor Bales With 2 - 2" x 2" x 4' Stakes Per Bale
- Steel 1.33 Lbs/Ft. Min.
- Type A Or B Fence
- Conformance With FDOT Spec.
- Filter Fabric (In

ENVIRONMENTAL NOTES:

- Construction activities shall not be conducted in any manner that will produce or result in any new or existing noise or emissions that will interfere with the operations of the adjacent wetlands.
- Contractors are required to execute a contract addendum in accordance with FDOT Addendum 3.
- Contractors are required to obtain a permit from the Florida Department of Environmental Protection (FDEP) before commencing any construction activities.
- Contractors are required to obtain a permit from the United States Army Corps of Engineers (USACE) for any construction activities that may affect wetlands.

REFERENCES:

- SEE DETAIL THIS SHEET

DRAWING: NOVEMBER 2016

4140 NW 37th Place, Suite A
MAF
DRAWN BY AS SHOWN

12/11/17

1
2

BID DOCUMENT ADDENDUM REVISIONS

LJB

07000-173-15

PROJECT TITLE:
LEON COUNTY SOLID WASTE MANAGEMENT FACILITY
CLASS 1 AND CLASS III LANDFILL CLOSURE
TALLAHASSEE, LEON COUNTY, FLORIDA

Sheet Title:
EROSION AND SEDIMENTATION CONTROL PLAN

Sheet No.
C0.50
EXISTING YARD WASTE AREA

3' RETAINING WALL
(PER FOOT INDEX NO. 6011-SHCEME 1)
STORMWATER FLUME PLAN VIEW

STORMWATER FLUME PROFILE VIEW

BOTTOM FLUME SECTION LOCATED AT FPM SWALE NORTH

BOTTOM FLUME SECTION LOCATED AT POND BOTTOM

BOTTOM FLUME SECTION LOCATED AT EXISTING SWALE

TOP TIER FLUME / INTERMEDIATE TIER SECTION

NOTE:
FPM = FILTER POINT MAT
TYPICAL TERRACE SWALE GRADING

SECTION

TERRACE UNDERDRAIN COLLECTION PIPE DETAIL

NOTE:
FPM = FILTER POINT MAT

LOW POINT
DEPTH = 2.5'

HIGH POINT
DEPTH = 2.5'

DISTANCE VARIES
9.5' AT LOW POINT TO 20' AT HIGH POINT

DISTANCE VARIES
10' AT HIGH POINT TO 20.5' AT LOW POINT

LOW POINT
DEPTH = 2.5'

HIGH POINT
DEPTH = 2.5'

FILTER POINT MAT

EXISTING ACCESS ROAD

PIPER PERFORATION

TERRACE UNDERDRAIN COLLECTION PIPE

PIPE PERFORATION

NOTE:

FPM = FILTER POINT MAT

INSTALL PERFORATED TERRACE UNDERDRAIN (CONTINUOUS) EITHER SIDE OF DOWNCUT.

TERRACE UNDERDRAIN COLLECTION PIPE

40 MIL LLDPE (TEXTURED)

18"

12" MIN

DOUBLE SIDED 300 MIL GEOCOMPOSITE

SOD

6"

INTERMEDIATE COVER (GRADING LAYER)

WASTE

TOP SOIL

PROTECTIVE SOIL

NOTE:

INSTALL PERFORATED TERRACE UNDERDRAIN (CONTINUOUS) EITHER SIDE OF DOWNCUT.

120°

NOTE:

FOOT TYPE 1 OR 2 AGGREGATE MOUNDED IN BOWLS DIRECTIONAL.

FOOT type 1 perforated.

CONCRETE_foot type.

DOUBLE SIDED 300 MIL GEOCOMPOSITE

TERRACE SWALE SOUTH

ADJACENT TO EXISTING ACESS ROAD

NOTE:

FPM = FILTER POINT MAT

NOTE:

FPM = FILTER POINT MAT
TYPICAL LANDFILL PASSIVE GAS WELL

4' MIN DISTANCE VARIES
NON-PERFORATED Pipe VARIES (50% OF BOREHOLE DEPTH)

6" HDPE CAP
6" PERFORATED SDR11 HDPE Pipe with 5/8" DIAMETER HOLES @ 90 DEGREES ON 3" SPACING, 16 HOLES PER FOOT.

BOTTOM OF WASTE
3 8" BENTONITE CHIPS
CLEAN SOIL BACKFILL

TYPICAL PENETRATION BOOT DETAIL

1' MIN TYP
1 4" THICK X 3" WIDE NEOPRENE PAD BETWEEN SS CLAMP AND BOOT
COMPRESS MEMBRANE SLEEVE ACCORDION FOLD TO ALLOW FOR FUTURE SETTLEMENT

8" 1" WIDE SS 316 CLAMP

GEOMEMBRANE CAP
PIPE BOOT WELD HDPE & PVC

NOTES:
1. THE CONTRACTOR SHALL HAUL WASTE FROM THE EXCAVATION OF TRENCHES TO THE LANDFILL WORKING FACE FOR DISPOSAL.

TYPICAL VERTICAL GAS EXTRACTION WELL EXTENSION

WELL HEAD IS A CES LANDTEC ACCU-FLO WELLHEAD, MODEL 200, LFG&E PC1000 FX WELLHEAD OR APPROVED EQUAL, USE SCH 80 PVC WITH 2" PVC GATE VALVE, SLIDING COMPRESSION FITTING, AND ULTRA FLEX CONNECTIONS AND 48" HOSES

Landfill Gas Extraction Well:
W / R:
48" OF 2" DIA FLEX HOSE

NOTES:
1. INSERTING ACTING GAS SYSTEM PER PBS&J PLANS DATED APRIL 2006.

FUNCTIONAL DESCRIPTION:
1. Landfill Gas System Construction Details
2. Stormwater Management System Modifications
3. Revised Bid Documents

LEON COUNTY SOLID WASTE MANAGEMENT FACILITY
CLASS I AND CLASS III LANDFILL CLOSURE
TALLAHASSEE, LEON COUNTY, FLORIDA

PROJECT NO.: 07000-173-15
SCALE: MAF
DATE: NOVEMBER 2016
DRAWING: 07000-173-15
REVISED BID DOCUMENTS
EXIST POND #1 DATA:
CURRENT POND BOTTOM = 58.00'
SAND FILTER ± 100 LF
N C.O. INV = 58.37' INV. = 58.70'
S C.O. INV = 58.65' INV. = 58.92'

EXIST POND #4 DATA:
CURRENT POND BOTTOM = 50.00'
SAND FILTER ± 364 L.F.
NE INV. = 53.60'
SW INV. = 53.64'

EXIST POND #2-3 DATA:
CURRENT POND BOTTOM = 58.00'
NO SAND FILTER FOUND
STRUCTURE HAS 3-8" PIPES
AT INV. 59.35' / 59.99' / 59.54'

BOREHOLE B-9
ELEV. 59.34'
SEASONAL GWT. 55.39

BOREHOLE B-8
ELEV. 59.40'
SEASONAL GWT. NOT ENCOUNTERED
C.O. INV. 59.37
C.O. INV. 59.65

18" CMP INV. 58.44'
TOB. ± 62.5'
T.G. 56.93'
18" CMP INV. 53.62'

SURVEY BREAK LINE
EXIST 24" CMP TO BE REMOVED
RUBBLE
NO. 57 STONE
COARSE AGGREGATE
FINE AGGREGATE
FILTER FABRIC (TYP)
15' SPACING (TYP)
5' SHOULDER (TYP)
60' (TYP)
6" PERFORATED UNDERDRAIN PIPE (TYP)
INV VARIES SEE SHEET C-3
6" MIN (TYP)
9" MIN (TYP)
3" MIN (TYP)
3" OF NO. 57 COARSE AGGREGATE
EXIST POND #2-3 DATA:
CURRENT POND BOTTOM = 58.00'
NO SAND FILTER FOUND
STRUCTURE HAS 3-8" PIPES
AT INV. 59.35' / 59.99' / 59.54'

EXIST 24" CMP TO BE REMOVED

RUBBLE PROPOSED CONCRETE FLUME SPILLWAY

25' 36'

BHE BHE

Carmen Bourgeois Green, P.E.
FLA. PE NO. 40890 / GA. PE NO. 31623
Magnolia Engineering LLC
FLA. CA NO.29844 / GA. CA NO. 006756
3551 BLAIR STONE ROAD, SUITE 128-275
TALLAHASSEE, FLORIDA   32301
PHONE ( 8 5 0 )  3 8 5 - 0 2 0 3
WWW.MAGNOLIAENGINEERING.COM

Dec 11,  2017 - 3:35PM

REVISED BY

DATE
COMMENTS

PROJECT
CLIENT

PROJECT NUMBER
SHEET NUMBER

DESIGNED BY
DRAWN BY
CHECKED BY
DATE
SCALE

TITLE

LEGEND

UNPAVED ROAD TO BE REMOVED
SURVEY BREAK LINE
EXISTING A.D. PLATT CONTOUR (2016)
EXISTING NOBLES CONTOUR (2011)
SURVEY BREAK LINE
BORING LOCATION
EXISTING RIPRAP
EXISTING CONCRETE
EXISTING SAND FILTER
EXISTING UNPAVED ROAD

EXISTING POND #2-3 DATA:
CURRENT POND BOTTOM = 58.00'
NO SAND FILTER FOUND
STRUCTURE HAS 3-8" PIPES
AT INV. 59.35' / 59.99' / 59.54'
EXISTING POND BOTTOM = 61.5'
EXISTING TOB = 66.5' WITH 12' WIDE BERM
EXISTING 1000' LF BOTTOM SAND FILTER

TEMPORARY CONSTRUCTION ENTRANCE

NOTE:
1. STONE SIZE SHALL BE 1" TO 2" DIAMETER.
2. PEX THICKNESS SHALL BE AT LEAST 8".
3. MINIMUM BASE GROUT UNLESS OTHERWISE APPROVED BY INSPECTOR.
4. IF REQUIRED, INCLUDE HARDENING AGENT.
5. MAY REQUIRE PERIODIC TOP DRESSING WITH MULCH.
6. Maintain IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROADS.

PREVENT TRACKING OR FLOW OF MUD ONTO MAINTAIN IN A CONDITION WHICH WILL

GENERAL CONSTRUCTION NOTES:
- CONTRACTOR SHALL COOPERATE WITH OTHER TRADES WORKING ONSITE.
- ANY DAMAGE TO THE PONDS DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT THE POND DURING CONSTRUCTION, AND USE BEST MANAGEMENT PRACTICES TO PREVENT SEDIMENTS AND FINES FROM CLOGGING THE SEDIMENTATION CONTROLS. CLEARING SHALL NOT COMMENCE UNTIL A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD AT THE SITE WITH THE COUNTY INSPECTOR AND ENGINEER PRIOR TO ANY CLEARING OR CONSTRUCTION.
- ANY TIME DURING CONSTRUCTION TO ENSURE THAT SEDIMENTS ARE ADEQUATELY
- CONTRACTOR SHALL USE ANY MEANS NECESSARY TO ENSURE THAT EROSION AND SILTATION BASINS. CONTROLS SHALL BE INSPECTED AND MAINTAINED DURING THE ENTIRE CONSTRUCTION PERIOD.
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RIP-RAP TO BE UNDERLAIN BY FILTER FABRIC PER FDOT INDEX 514-3.4

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RIP-RAP APRON SHALL BE AT LEAST 36".

RIP-RAP SHALL BE CONCRETE RUBBLE OR BROKEN STONE MEETING THE REQUIREMENTS OF FDOT SECTION 2.

RIP-RAP APRON TO BE 36' - 0" LONG AND 22' - 0" WIDE AS SHOWN.

1. RIP-RAP APRON TO BE 36' - 0" LONG AND 22' - 0" WIDE AS SHOWN.
2. RIP-RAP SHALL BE CONCRETE RUBBLE OR BROKEN STONE MEETING THE REQUIREMENTS OF FOOT SECTION 5.3.1 RUBBLE BASE AND BERM PROTECTION.
3. THICKNESS OF RIP-RAP APRON SHALL BE AT LEAST 36'.
4. RIP-RAP TO BE UNDERLAIN BY FILTER FABRIC PER FDOT INDEX 5.4.