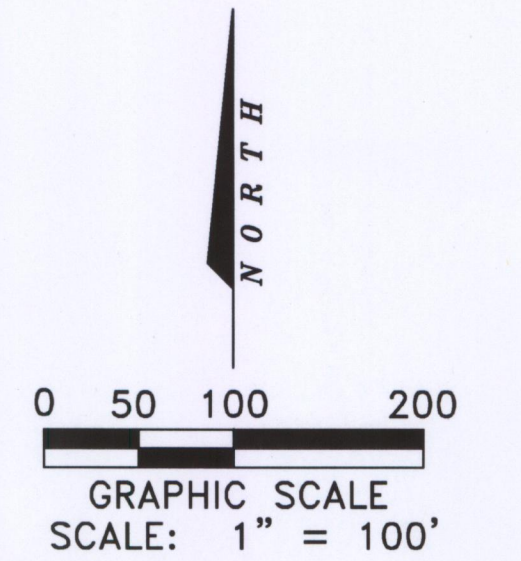


- △ -ADDED LEACHATE COLLECTION PIPING INVERT ELEVATIONS AND DIRECTION OF FLOW.
-ADDED LEACHATE COLLECTION MANHOLE TOP ELEVATIONS.
-ADDED LEACHATE FORCEMAIN FROM LIFT STATION NO. 4 TO WASTE TREATMENT PLANT.
-BOTTOM OF EXCAVATION WAS SLOPED AT 0.2% TOWARDS THE LEACHATE COLLECTION PIPING SYSTEM.
-LEACHATE COLLECTION SYSTEM INFORMATION WAS BASED ON DRAWINGS CALLED: "MANATEE COUNTY, FLORIDA, LENA ROAD LANDFILL IMPROVEMENTS, STAGE 2 & 3, PROJECT NO. 0169"
△ -REPLACE 2009 AERIAL SURVEY WITH 2010 AERIAL SURVEY

AERIAL PHOTOGRAMMETRY PROVIDED BY:
I.F. ROOKS & ASSOCIATES, INC.
DATE FLOWN: JANUARY 25, 2010



- LEGEND:
- LEACHATE COLLECTION SYSTEM (WITH DIRECTION OF LEACHATE FLOW)
 - PROPOSED INTERMEDIATE CONTOURS
 - PROPOSED INDEX CONTOURS
 - EXISTING CONTOURS
 - CONSTRUCTION LINES
 - SLOPE BREAK SYMBOL
 - STORMWATER FLOW
 - DIRECTION OF FILLING
 - STORMWATER DRAIN PIPE
 - EXISTING MANHOLE
 - EXISTING LIFT STATION
 - PAVED ROAD
 - DIRT ROAD
 - LEACHATE FORCE MAIN

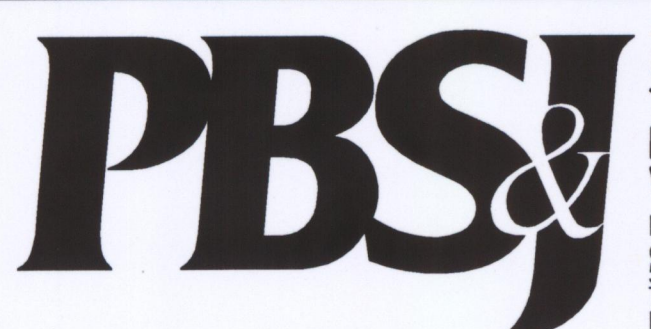
GENERAL NOTES:

- EXCAVATION WILL PROCEED FROM THE NORTH AND EAST.
- REMOVED PAVED ACCESS ROAD, POWER LINES AND ANY UTILITY LINES TO THE NORTH OF PREVIOUS SEQUENCE.
- WASTE SHALL BE PLACED AND COMPACTED IN LIFTS NO MORE THAN 10 FEET IN DEPTH AND AT A MAXIMUM SLOPES OF 5H TO 1V UNTIL ELEVATIONS SHOWN ARE REACHED. THE TOP TEMPORARY SLOPE SHALL BE NO LESS THAN 2% SUCH THAT THE STORMWATER RUNOFF SHALL FLOW TO THE PERIMETER OF THIS SEQUENCE.
- A TEMPORARY WORKING FACE BERM SHALL BE LOCATED AS NECESSARY TO DIVERT THE FLOW TO 18" STORM DRAIN PIPES LOCATED AT LOW POINTS OF THE TEMPORARY BERM AS SHOWN ON THIS SEQUENCE PLAN.
- OPERATORS WILL ACHIEVE THE ELEVATIONS SHOWN ON THIS SEQUENCE BY USING THEIR CAD AIDED EARTHWORK SYSTEM (CAES) GIS BASED EQUIPMENT MOUNTED ON THE LANDFILL COMPACTORS. AT THE END OF EACH WORKING DAY THE WORKING FACE GRADES AND DEGREE OF COMPACTION WILL BE CHECKED BY MAPPING THE AREA OF THE WORKING FACE WITH THE CAES SYSTEM MOUNTED ON THE COMPACTORS.
- TO MINIMIZE THE EXPOSED AREA OF WASTE AND USE OF COVER SOIL, THE WORKING FACE SHALL BE KEPT WIDE ENOUGH TO ACCOMMODATE VEHICLES UNLOADING WASTE MATERIAL AND LANDFILL EQUIPMENT.
- INITIAL COVER, CONSISTING OF 6-INCHES OF SOIL SHALL BE APPLIED AT THE END OF EACH WORKING DAY OVER EXPOSED WASTE. TEMPORARY COVER SUCH AS TAPALINS MAYBE USED IF WASTE WILL NOT BE EXPOSED FOR MORE THAN 18 HOURS. INCREASE THE FREQUENCY OF APPLICATION IF WIND AND OR RAIN DISPERSE WASTE.
- IN AREAS THAT WILL NOT RECEIVE WASTE WITHIN 180 DAYS, APPLY A 12-INCHES INTERMEDIATE COVER SOIL OVER THE EXISTING 6-INCHES OF INITIAL COVER.
- GRADES SHOWN ON THIS SEQUENCE ARE TOP OF INTERMEDIATE COVER.
- ALL AREAS WITH INITIAL OR INTERMEDIATE COVER SHALL BE INSPECTED WEEKLY DEPENDING ON THE WEATHER CONDITIONS FOR DAMAGES DUE TO EROSION. DAMAGED AREAS SHALL BE REPAIRED QUICKLY AS OPERATIONS PERMIT. DAMAGED AREAS SHALL BE COVERED WITH SOD, SEED, OR MULCH TO PROTECT THE AREAS FROM ADDITIONAL DAMAGE.

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
MAY 13 2010
SOUTHWEST DISTRICT
TAMPA

C-9

STAGE II
CLASS I LANDFILL



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FBPR Certificate of Authorization No.: 24

CLIENT
MANATEE COUNTY
BOARD OF COUNTY COMMISSIONERS

PROJECT
LENA ROAD LANDFILL
FILL SEQUENCE PLAN

TASK
STAGE II LANDFILL
EXCAVATION PLAN
(SEPT. 2010 - NOV. 2013)

ORIGINAL NOV. 2009
REVISIONS:
1. JAN. 5, 2010
2. APRIL 2010
3.
4.
5.

6.
7.
8.
9.
10.
11.
12.

JOSEPH J. LAMAR
P.E.
Professional Engineer
No. 12025
Orlando, FL 32810-6101
Signature
Date: 5/11/2010

JOB NO. 100008517
DRAWN RGC
DESIGN RGC/JLM
CHECKED JLM
O.C. DED
SHEET / #