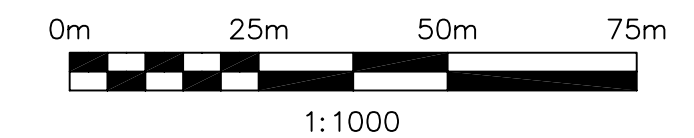


LEGEND

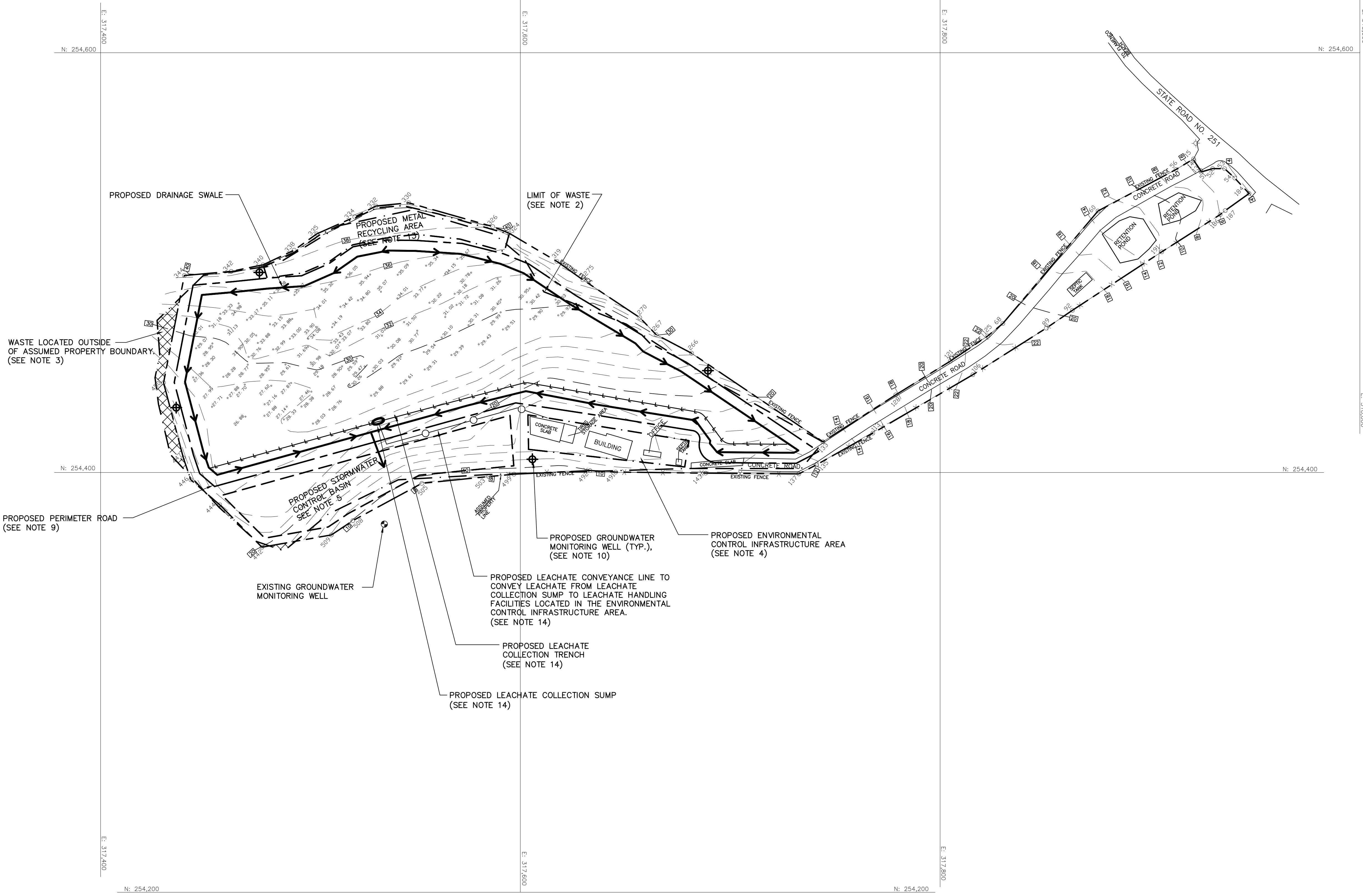
- PROPOSED ROAD CENTERLINE
- PROPOSED STORMWATER CONTROL BASIN
- > PROPOSED DRAINAGE SWALE
- - - - - LIMIT OF WASTE
- . - . - PROPOSED ENVIRONMENTAL CONTROL INFRASTRUCTURE AREA
- - - - - PROPOSED LEACHATE COLLECTION TRENCH
- ○ ○ ○ ○ PROPOSED LEACHATE CONVEYANCE LINE
- ⊕ PROPOSED GROUNDWATER MONITORING WELL LOCATIONS
- PROPOSED LEACHATE COLLECTION SUMP

NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET 2.
2. LIMIT OF WASTE WAS PROVIDED IN THE REPORT TITLED "SOLID WASTE CHARACTERIZATION STUDY", PUBLISHED BY WEHRAN, PUERTO RICO, 2003. OWNER WILL CONDUCT INVESTIGATIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES TO DETERMINE THE EXTENT OF WASTE ON AND OFF-SITE.
3. ANY WASTE LOCATED OUTSIDE OF THE APPROVED EQB DISPOSAL LIMITS FOR THIS FACILITY SHALL BE RELOCATED TO THE LANDFILL WITHIN THE EQB DISPOSAL LIMITS PRIOR TO ANY CONSTRUCTION ACTIVITIES, UNLESS OTHERWISE APPROVED BY THE EQB.
4. PROPOSED ENVIRONMENTAL CONTROL INFRASTRUCTURE AREA WILL SERVE AS THE OPERATIONS AND MAINTENANCE AREA FOR THE LANDFILL. THIS AREA WILL CONSIST OF A STAGING AREA FOR LEACHATE TANKS, CONTROL BUILDINGS, MAINTENANCE SHEDS, GAS FLARES, AND ANY OTHER MAINTENANCE, STORAGE, OR TREATMENT FACILITIES REQUIRED FOR LONG TERM OPERATIONS & MAINTENANCE OF THE LANDFILL.
5. PRELIMINARY ENGINEERING ANALYSIS INDICATES THAT INSUFFICIENT AREA EXISTS WITHIN THE ASSUMED PROPERTY BOUNDARY FOR STORMWATER CONTROL BASIN(S). THE AREA ESTIMATED FOR STORMWATER CONTROL BASIN(S) WERE APPROXIMATED ON 25-YEAR, 24-HOUR DESIGN STORM EVENT, UTILIZING NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) RAINFALL INTENSITY DATA. FINAL DESIGN OF THE STORMWATER CONTROL BASIN(S) AND STORMWATER CONVEYANCE STRUCTURES SHOULD BE PERFORMED BY A LICENSED ENGINEER TO DETERMINE THE LOCATION AND SIZE OF THESE FACILITIES. ADDITIONAL DESIGN DETAILS ARE INCLUDED IN "LANDFILL DESIGN STANDARDS GUIDELINES", PREPARED BY VINCENTY, HERES & LAURIA/MALCOLM PIRNIE, INC., 2004. FINAL ENGINEERING ANALYSIS AND DETERMINATION OF THE ACTUAL PROPERTY BOUNDARY IS REQUIRED TO DETERMINE IF THE BASIN(S) CAN LOCATED ENTIRELY WITHIN THE PROPERTY, IF ADDITIONAL STORMWATER CONTROLS ARE NECESSARY, OR IF ADDITIONAL LAND MUST BE ACQUIRED TO ACHIEVE STORMWATER CONTROL OBJECTIVES. IF ANY PORTION OF THE PROPOSED STORMWATER CONTROL BASIN(S) IS LOCATED OVER EXISTING WASTE, EITHER THE WASTE MUST BE REMOVED AND RELOCATED INTO THE LANDFILL, OR THE BASIN(S) MUST BE LINED.
6. ALL DISCHARGES FROM THE PROPOSED STORMWATER CONTROL BASIN(S) MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.
7. LEACHATE SHALL BE SEGREGATED FROM COLLECTED STORMWATER. IF LEACHATE IS ALLOWED TO MIX WITH STORMWATER IN THE STORMWATER CONTROL BASIN(S), THE ENTIRE VOLUME OF LIQUID WILL BE DISPOSED OF AS LEACHATE IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. ADDITIONAL DESIGN DETAILS FOR LEACHATE CONTROL AND CONVEYANCE SYSTEMS ARE INCLUDED IN "LANDFILL DESIGN STANDARDS GUIDELINES", PREPARED BY VINCENTY, HERES & LAURIA/MALCOLM PIRNIE, INC., 2004.
8. A LICENSED ENGINEER SHALL INSPECT ALL EXISTING SLOPES FOR ACTIVE LEACHATE SEEPS THAT ARE OR HAVE THE POTENTIAL TO IMPACT SURFACE WATERS. FOR ALL AREAS WHERE LEACHATE SEEPS ARE OBSERVED, LEACHATE SEEP CONTROLS SHALL BE INSTALLED. ADDITIONAL DESIGN DETAILS OF LEACHATE SEEP CONTROLS ARE INCLUDED IN "LANDFILL DESIGN STANDARDS GUIDELINES", PREPARED BY VINCENTY, HERES & LAURIA/MALCOLM PIRNIE, INC., 2004.
9. THE PROPOSED PERIMETER ROAD IS SHOWN IN SCHEMATIC LOCATION ONLY. AN ENGINEERING DESIGN SHALL BE PREPARED BY A LICENSED ENGINEER IN ACCORDANCE WITH APPLICABLE LAWS PRIOR TO CONSTRUCTION. ADDITIONAL DESIGN DETAILS OF ROADWAYS ARE INCLUDED IN "LANDFILL DESIGN STANDARDS GUIDELINES", PREPARED BY VINCENTY, HERES & LAURIA/MALCOLM PIRNIE, INC., 2004.
10. THE GROUNDWATER WELLS ARE SHOWN IN CONCEPTUAL LOCATIONS ONLY. A CERTIFIED HYDROGEOLOGIST SHALL DEVELOP THE ACTUAL GROUNDWATER MONITORING WELL LOCATIONS AND ENVIRONMENTAL MONITORING PLAN BASED ON SITE-SPECIFIC HYDROGEOLOGIC INVESTIGATIONS AND AVAILABLE DATA. IN THE EVENT THAT GROUNDWATER IS FOUND TO BE IMPACTED BY LEACHATE, A GROUNDWATER REMEDIATION PLAN SHOULD BE DEVELOPED AND IMPLEMENTED IN ACCORDANCE WITH APPLICABLE LAW.
11. IN ACCORDANCE WITH 40 CFR 258.23, THE OPERATOR MUST MONITOR FOR METHANE IN FACILITY STRUCTURES AND AT THE PROPERTY BOUNDARY. A METHANE MONITORING SYSTEM WITH AUTOMATIC ALARMS SHOULD BE INSTALLED IN STRUCTURES, AND THE PROPERTY BOUNDARY MAY BE MONITORED USING A METHANE MIGRATION PROBE WITH MEASURING INSTRUMENT OR SIMILAR METHOD. A LICENSED ENGINEER SHALL DEVELOP THE ACTUAL LANDFILL GAS MONITORING LOCATIONS, SYSTEMS, AND MONITORING PLAN BASED ON SITE-SPECIFIC INFORMATION.
12. THE OWNER SHALL INSTALL A NEW PERIMETER SECURITY FENCE OR REPAIR EXISTING PERIMETER FENCING TO RESTRICT UNAUTHORIZED ACCESS TO THE SITE. ADDITIONAL DESIGN DETAILS ARE INCLUDED IN "LANDFILL DESIGN STANDARDS GUIDELINES", PREPARED BY VINCENTY, HERES & LAURIA/MALCOLM PIRNIE, INC., 2004.
13. THE PROPOSED STORAGE/RECYCLING AREA WILL BE DESIGNED, CONSTRUCTED, AND OPERATED IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. EXISTING PILES OF METAL/TIRES/DEBRIS ON THE LANDFILL PROPERTY SHALL BE RELOCATED TO THIS AREA.
14. THE LOCATIONS OF THE PROPOSED LEACHATE COLLECTION TRENCH AND CONVEYANCE LINE ARE SHOWN IN CONCEPTUAL LOCATION ONLY. A LICENSED ENGINEER SHALL DEVELOP THE LEACHATE COLLECTION SYSTEM. ADDITIONAL DESIGN DETAILS ARE INCLUDED IN "LANDFILL DESIGN STANDARDS GUIDELINES", PREPARED BY VINCENTY, HERES & LAURIA/MALCOLM PIRNIE, INC., 2004.



NOT FOR CONSTRUCTION



REVISIONS			
NO.	BY	DATE	REMARKS

DES. HJH/JTS.
DWN. CLD
CKD. JCB

COMMONWEALTH OF PUERTO RICO
SOLID WASTE MANAGEMENT AUTHORITY
**APPENDIX A – PROGRESS REPORT
CONCEPTUAL SITE PLANS**

CULEBRA LANDFILL
**RECOMMENDED ENVIRONMENTAL
IMPROVEMENTS**
SCALE AS NOTED

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DATE NOVEMBER 2004
SHEET 3 OF 6
CAD REF. NO. PH2-CULEBRA-03