

IMPACTED SOIL REMOVAL PROJECT SCOPE OF WORK

SITE:

Pioneer Gardens
137600 to 13800 NE 5th Avenue
North Miami, Florida
DERM ID – IW5-8624/File 8022

BID INFORMATION:

This bid is being prepared at the request of the North Miami Community Redevelopment Agency (NMCRA or Owner). The bid response provided by the Contractor will be reviewed by NMCRA and their assigned representatives for final approval.

The costs for this bid should be presented as a lump sum fee assuming that the successful bidder completes all mobilization, soil excavation, offsite disposal, backfilling, etc., as required for this project.

FIGURE 1 – Soil Removal Areas illustrates the areas requiring soil removal. For purposes of this bid package, the first two feet of soil will have to be excavated, manifested and disposed of offsite at an approved landfill. An additional two feet of excavation is required in certain areas as shown on Figure 1. Backfilling with clean material will be required for all excavations extending beyond two feet in depth.

Bidders may provide suggestions and cost-saving strategies to the soil removal logistics and timeframe. However, any deviation from the work scope provided herein must be indicated in a clear manner and remain compliant with all applicable environmental requirements, objectives and milestones.

If applicable, the bidder must also provide a description of all additional work, and associated costs, that will be required to complete the Scope of Work if these items are not included within the lump-sum bid.

Send bids to the following address:

Eco Advisors, LLC.
3931 RCA Blvd, Suite 3114
Palm Beach Gardens, FL 33410

Phone: (561) 627-1810
Fax: (561) 627-2270

Attention: **Alison Drescher** email: adrescher@ecoadvisors.net Cell: (561) 662-8263
Due to time constraints, bid package submittals will be accepted electronically. A signed hard copy of the bid package should also be sent through the mail.

Bid Schedule

Bid Submittal to Contractors	January 25, 2011
Pre-Bid Meeting (Non-Mandatory)	January 28, 2011 @ 10:30 am (contact Alison Drescher if attending)
Bid Due Date	February 2, 2011
Contractor Selection	February 7, 2011 (Selected Contractor to be notified via Email)
Project Kick Off Meeting:	February 9, 2011
Work to Commence	February 14, 2011 (Pending receipt and approval of all pre-construction documents and information)
Work to be Completed	2 – 3 weeks following work commencement

BID SPECIFICATIONS

The project encompasses work associated with excavating, managing and disposing offsite, soil determined to be environmentally impacted. Limited backfilling with Owner-approved clean material, along with preliminary grading of all excavated areas is also part of this project.

The soil on this Site has been determined to contain concentrations of pesticide, metals and other organic compounds greater than the state-regulated soil clean-up target levels per Chapter 62-777, F.A.C. The first two feet of soil across the entire Site will require excavation and offsite disposal. An additional two feet of excavation will be required within areas identified on **FIGURE 1 – Soil Removal Areas**.

The general activities associated with this work include:

- Mobilization of equipment and personnel to the Site;
- Impacted soil excavation and management;
- Offsite disposal and documentation;
- Backfilling with clean fill where necessary;
- Preliminary grading of all excavated areas;
- Demobilization of all equipment and material; and,
- Submittal of all required manifests, documents and other paperwork associated with the field activities.

The Contractor shall furnish all labor, equipment, materials, transportation and tools required to complete the work specified herein. The costs for all services, materials, and supplies will be included in the bidders submittal. This includes compliance with all local, state and federal health and safety standards and practices required to work within an environmentally compromised site and manage environmentally impacted soil.

Any deviation from the work scope and specifications presented in this document must be clearly indicated in writing and drawings within the bidder's submittal. The Owner reserves the right to accept or reject any deviations from the defined work scope.

Bids must be in a lump-sum fee format and must include all labor, equipment, licenses, permits, and material to perform the tasks described herein, for the volumes of soil identified and as shown in Figure 1.

Important: All Contractor and subcontractor personnel shall have appropriate certifications, licenses, and other qualifications relevant to the type of work in which they will be engaged, as required by local, State and Federal authorities.



Prior to commencement of work at the Site, the Contractor must provide a signed, site-specific Health and Safety Plan (HASP) in accordance with OSHA requirements as well as all applicable Federal, State, and Local safety requirements.

Representatives of NMCRA shall perform oversight of the scheduled work. These representatives will have the authority to halt field work and activities in the event the Contractor is non-compliant with the project Statement of Work, outlined specifications, or health and safety protocols or standards. This includes, but is not limited to, confirmation of unacceptable levels of dust/visible emissions or offsite discharges of soil, sediment or stormwater runoff.

FEDERAL AND STATE REGULATORY REQUIREMENTS

The Contractor shall comply with all applicable laws, rules, regulations, codes, ordinances and proper documentation associated with the project objectives, including, but not limited to, excavation, handling, and off-site disposal of the environmentally impacted soil, and backfilling areas with approved clean fill as required.

Contractor, subcontractors and employees working on the site shall be familiar with and comply with all OSHA safety requirements set forth in 29 CFR Parts 1910 and 1926, and all Federal, State and local regulations, as applicable.

The Contractor will maintain onsite, and be responsible for, adhering to the approved Site-Specific Health and Safety Plan during the duration of the project. The Contractor will hold daily health and safety meetings prior to the commencement of that days work, and shall bear sole responsibility for any penalties, scheduling delays, or project costs resulting from non-compliance of this plan.

The Contractor shall comply with all of the requirements of the Florida Trench Safety Act (Chapter 90-96, CS/CB 2626, Laws of Florida). The Contractor shall acknowledge this compliance within the bid proposal and include within the total bid price the expected costs associated with compliance with this Act.

All trench excavations which exceed five (5) feet in depth shall comply with the applicable trench safety standards as stated in the OSHA excavation safety standards 29 CFR S. 1926.650 Subpart P as regulated and administered by the Florida Department of Labor and Employment Security as the "Florida Trench Safety Act."

FIELD COMMUNICATIONS AND QUALITY CONTROL

Lines of communication between the Contractor, Owner and Owner representatives will be clearly defined and documented prior to the commencement of the project at the Project Kick Off Meeting. Confirmed lines of communication, names, and phone numbers will be distributed to all parties prior to commencement of field work.



AIR MONITORING/DUST CONTROL

NMCRA will establish a Site-Specific Air Monitoring Plan to monitoring dust and fugitive emissions generated during excavation and management activities. NMCRA's representatives will use OSHA Nuisance Dust Standards as guidance in determining acceptable and non-acceptable levels of offsite migration of dust and fugitive emissions. The Contractor shall not exceed these standards.

The Owner's representative will have the authority to halt field work if excessive dust or fugitive emissions migrate offsite as a result of Site work. The Contractor will then be responsible to implement measures to control and reduce dust and fugitive emissions to acceptable levels (i.e., per Air Monitoring Plan) before receiving approval to re-commence work at the Site.

The Contractor will not be compensated for any down-time associated with addressing non-compliant dust or fugitive emissions.

CONSTRUCTION EQUIPMENT DECONTAMINATION

No environmentally-impacted soil will be allowed to leave the Site in an uncontrolled manner. This includes impacted soil affixed to any vehicle or equipment tires, cab and exterior portions of vehicle carriages.

The Contractor will provide a written plan to de-contaminate all equipment, vehicles and soil-hauling trucks prior to departing the Site. The plan will also address the onsite management and disposal of any water used to remove material from vehicles prior to exiting the Site. The Contractor will be responsible for proper onsite management and disposal of all residual water generated from equipment decontamination activities.

BACKFILL MATERIAL

All material used for backfill will be deemed "suitable" as clean backfill through compliance with the Residential Soil Clean-Up Target Levels (SCTL) for all contaminants of concern as defined by Chapter 62-777, F.A.C. This will include, but not be limited to, RCRA Metals, pesticides, and petroleum compounds.

NMCRA's representative shall visit the Contractor's proposed source(s) of backfill and collect samples for independent analysis to determine compliance with the Residential SCTLs.

Once approved by the Owner, the Contractor shall provide a ticket or other documentation of each delivery of approved backfill material to the Site to certify that the material is obtained from the approved source. The Contractor will notify NMCRA immediately if the location of the approved backfill material changes. Only approved backfill material will be allowed onsite.

SCOPE OF WORK

1. KICKOFF MEETING AND MOBILIZATION

This portion of the scope will include, but not be limited to, the following discussion of activities and deliverables:

- a. Kickoff Meeting to discuss proposed work, schedule, deliverables and milestones.
- b. Submittal of a list of proposed field staff with approved OSHA-based health and safety training for this work (i.e., 40 Hour HAZWOPER).
- c. Plan for identifying underground utilities onsite.
- d. Plans for excavating, managing and transporting soil offsite.
- e. Plan for decontaminating equipment and vehicles traveling offsite.
- f. Confirmation of landfill scheduled to receive impacted soil.
- g. Confirmation of source(s) for clean backfill. Arrange for soil sample collection by NMCRA representatives.
- h. Lines of communication between NMCRA, Contractor and all field representatives.
- i. Plan for providing temporary power and sanitation at the Site if necessary.
- j. Securing the work area and equipment to control and prohibit non-authorized personnel from entering during work hours, evenings and weekends.

Mobilization of equipment and materials may commence following the Kick Off Meeting, but formal field activities can not commence until plans and deliverables outlined in the Kick Off Meeting are received, reviewed and approved by NMCRA.

2. IMPACTED SOIL EXCAVATION, MANAGEMENT AND DISPOSAL

This portion of the scope of work includes the excavation, onsite management and offsite disposal of all impacted soil identified in **FIGURE 1 – Soil Removal Areas**.

All excavation will be performed to the prescribed depths identified in Figure 1. The first two feet of soil will be excavated from across the entire Site. Several areas will require additional excavation down another two feet – or to the water table, whichever is encountered first. Following excavation, preliminary grading of the areas will be performed to Owner approval.

Note: Soil will be analyzed for compounds of concern by the Owners Representatives along the perimeter of the four foot deep excavations. This assessment will be performed during the course of the project. Based on the analytical results, additional soil along these perimeters may require excavation. The amount of additional soil requiring



removal due to this assessment can not be determined at this time. Therefore, the time and cost associated with this additional work will be negotiated as an extra activity.

The Contractor will be familiar with the location of all existing groundwater monitoring wells onsite. No monitoring wells shall be disturbed, damaged or removed without prior authorization from NMCRA or representatives.

Excavated soil can be loaded out directly from the excavation or temporarily staged onsite for future loadout and transport offsite (Contractor preference). However, unless otherwise directed by NMCRA, any soil staged onsite must be placed on polyethylene sheeting with a minimum of 6-mil thickness. Staged soil must also be kept from migrating offsite via stormwater runoff.

In addition, any impacted soil excavated and remaining at the end of the work day will be covered with similar 6-mil sheeting, and the cover secured to prevent exposure to receptors, rainfall or dust-generating winds. The Contractor and NMCRA will agree on the methods and location of temporary stockpiles during the Kickoff Meeting.

All soil and other material or structures encountered during excavation shall be transported offsite in accordance with USDOT and FDOT requirements. All stockpiled environmentally impacted soil shall be transported offsite within a maximum of one calendar week following excavation.

The Contractor will document and report to NMCRA the daily estimate of total soil excavated, manifested and removed off-site (in cubic yards). NMCRA representatives will be onsite to independently record and photograph field activities.

Vehicles that enter impacted soil areas shall have all impacted soil, sediments and liquids removed from that equipment prior to traveling either offsite or to non-environmentally impacted areas onsite. This includes equipment such as excavators, loaders, trucks and other support vehicles.

The Contractor will not be allowed to dispose of any impacted soil offsite until they have received, and forwarded to NMCRA, documentation of acceptance from the proposed landfill scheduled to receive the soil. In addition, the Contractor shall notify and receive prior approval from NMCRA if a different facility is required to receive impacted soil. The Contractor will contract with the approved disposal facility for receipt and disposal of the soil.

NMCRA representatives will be responsible for monitoring dust and fugitive emissions surrounding the ongoing excavation, and at the property boundaries. If visible or excessive dust or fugitive emissions migrate offsite as a result of the excavation or management of impacted soils, all work will cease until the Contractor implements



measures to control and reduce dust and emissions to pre-determined acceptable levels.

Payment to Contractor will be based on tons of soil documented received and documented by the approved landfill. No payment shall be made to the Contractor until copies of completed manifests, signed by the approved disposal facility, are provided by the Contractor to NMCRA for review and approval.

3. BACKFILLING WITH CLEAN FILL

This work includes the hauling of approved clean backfill onto the Site, staging and introduction of this fill into the excavation and preliminary grading of the material to NMCRA approval.

Backfilling is anticipated only in those areas identified on Figure 1 where excavation is conducted down to four feet below grade (or the top of water table, whichever is encountered first). The Contractor will then backfill these areas with clean material to an elevation of two feet below grade. Once backfilled, these areas will be graded to match surrounding elevations and grades.

No backfill will be brought onsite and introduced into the excavation until the Contractor receives approval to do so from NMCRA. Samples of the proposed fill will be collected and analyzed by NMCRA prior to acceptance. The sampled soil must comply with soil quality standards per Miami-Dade County DERM.

The Contractor should have several sources of clean fill identified in the event that one or more of the locations fail DERM standards.

4. DEMOBILIZATION AND FINAL DOCUMENTATION

The Contractor shall remove all construction and support equipment offsite as soon as project activity allows. Prior to demobilization, the Contractor will meet with NMCRA to walk the Site and confirm that all work was performed in accordance with the enclosed Scope of Work, bid specifications and any addenda. Any items identified during this walkthrough meeting will be addressed by the Contractor to NMCRA's approval.

The Contractor will also be responsible to submit the following documentation within 14 calendar days of completion of field work:

- Statement of Contractor compliance with all Statement of Work, bid specifications and associated addenda.



- Written or photographic documentation of work performed by Contractor during course of project.
- Completed and signed soil disposal manifests, signed by all responsible parties.
- Other relevant documents and field notes requested by NMCRA during the final walk through of the Site.

Final payment will not be delivered to the Contractor until all the above activities and documents are submitted and approved by NMCRA.



BID FORM



BID FORM

IMPACTED SOIL REMOVAL, DISPOSAL AND BACKFILLING WITH CLEAN FILL PROJECT

SITE:

Pioneer Gardens, 137600 to 13800 NE 5th Avenue, North Miami, Florida
 DERM ID – IW5-8624/File 8022

CONTRACTOR:

() **Email:** _____ **Attn:** _____

Provide Lump Sum pricing which shall include all labor, equipment, materials, taxes, shipping, and all other expenses not necessarily called out in this document, as required to complete the attached Scope of Work and associated project specifications. Lump Sum pricing shall be presented for each of the Project Tasks listed below. Each of the Contractor's **Unit cost identified will be applied to any material managed beyond the volumes and tons identified below. For purposes of this bid, assume all soil (impacted and clean fill) weighs 1.2 tons/cubic yard.**

PROJECT TASK	TASK COST
1. Kickoff Meeting and Mobilization (Lump Sum)	
2. Impacted Soil Excavation, Management and Disposal	-----
a. Impacted Soil Excavation and Management (E&M) (Assume 25,000 cubic yards of impacted soil E&M at \$_____ per cubic yard)	
b. Impacted Soil Disposal (Assume 30,000 tons of impacted soil at \$_____ per ton)	
3. Backfilling and Compaction with Clean Fill	-----
a. Clean Backfill (NMCRA Approved Material) (Assume 5,040 tons of backfill material at \$_____ per ton)	
b. Clean Backfill Placement and Grade (Assume 4,200 cubic yards of backfill material at \$_____ per cubic yard)	
4. Demobilization and Final Documentation (Lump Sum)	
TOTAL LUMP SUM	

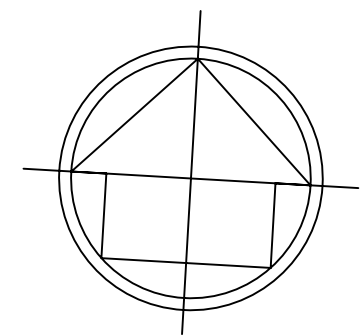
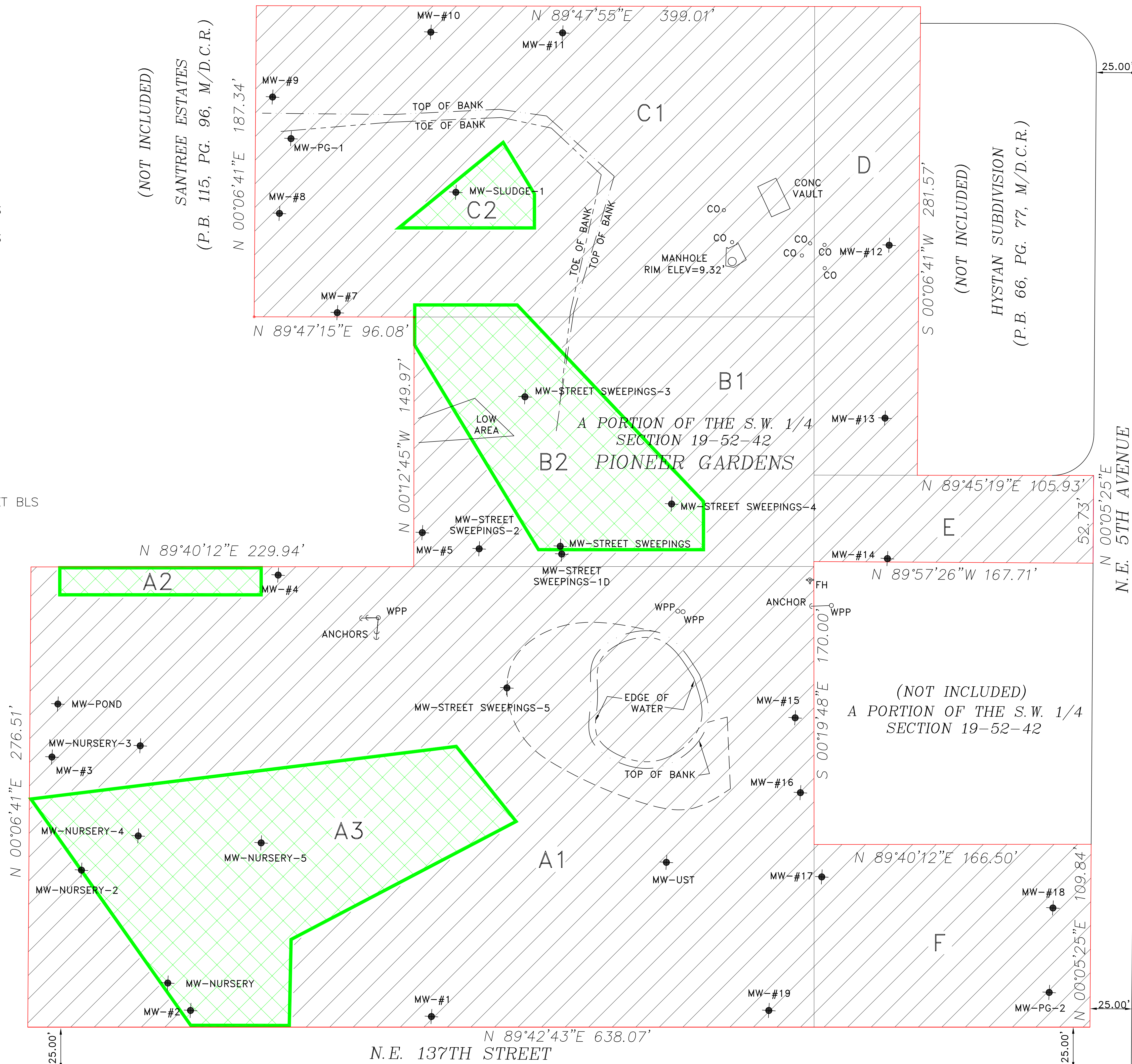


**IMPACTED SOIL REMOVAL PROJECT
FIGURE**

- EXCAVATE TO 2 FEET BLS
- EXCAVATE TO 4 FEET BLS

BLS	AREA	VOLUME
2'	A1 =	7,086 YD ³
4'	A2 =	587 YD ³ *
4'	A3 =	4,500 YD ³ *
2'	B1 =	1,500 YD ³
4'	B2 =	2,333 YD ³ *
2'	C1 =	4,505 YD ³
4'	C2 =	317 YD ³ *
2'	D =	1,250 YD ³
2'	E =	655 YD ³
2'	F =	1,355 YD ³

NOTES: BLS (BELOW LAND SURFACE)
 * AREAS REQUIRE BACKFILL TO 2 FEET BLS



No.	REVISIONS	Date

PIONEER GARDENS
 473 NORTHEAST 137th STREET
 NORTH MIAMI BEACH, FLORIDA
 REP PROJECT. N. MIAMI HOUSING-PG-BOUNDARY

SOIL REMOVAL AREAS

ASSOCIATES, INC.
 ENVIRONMENTAL, SURVEYING, ENGINEERING & PLANNERS
 1902 PICA BLVD., SUITE 304
 PALM BEACH GARDENS, FLORIDA 33410
 PH: (561) 627-1810 FAX: (561) 627-2270
 ES 6004

CHRIS CHERNIAK, P.E.
 REGISTERED ENGINEER NO. 40079
 STATE OF FLORIDA

Drawn By: TSW
 Reviewed By: CHRIS CHERNIAK
 Date: 01-25-2011
 Project Name: N. MIAMI HOUSING-PG-BOUNDARY
 CAD File: PIONEER GARDENS REV 2010
 Scale: 1" = 30'
 Drawing No.