



ENVIRONMENTAL SERVICES, LLC

**PRE-DEMOLITION
ASBESTOS INSPECTION REPORT**

FOR

**WATER RECLAMATION FACILITY #1
1220 N.W. 4TH AVENUE
OCALA, FL 34475**

Prepared for

**CITY OF OCALA
1805 N.E. 30TH AVENUE BUILDING 700
OCALA, FL 34470**

ATTENTION: MR. RICHARD CASTILLO

Prepared by



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September 10, 2018
EE&G Project No. 2018-4334

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SECTION 1.0**INTRODUCTION**

EE&G Environmental Services LLC (EE&G) was retained by City of Ocala to conduct an asbestos inspection at 1220 N.W. 4th Avenue Ocala, Florida. The inspection was conducted on July 12, 2018 and September 7, 2018 by Scott Eickholt, Randy Alonso and Michael Reid (certified under the Asbestos Hazard Emergency Response Act, AHERA) of EE&G

The purpose of this inspection was to identify the presence, extent, and condition of asbestos-containing materials (ACM) that may be impacted during planned demolition for compliance with the Environmental Protection Agency (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP), Marion County and applicable local, State and Federal Guidelines.

Terms used in this report are defined in the General Terms section located in Appendix A. Additional information on the classification of ACM for National Emissions Standards for Hazardous Air Pollutants (NESHAP) is also located in Appendix A. These NESHAP categories are helpful in determining the need for asbestos abatement and must be used in the NESHAP notification of intent to renovate or demolish.

SECTION 2.0**SITE DESCRIPTION**

Built in 1949 and encompassing 3.52 acres, the water reclamation facility contained multiple structures including tanks, equipment and mechanical buildings. The survey area included all areas to be impacted in the demolition plans supplied by the client attached as Appendix B.

The operational building and administration buildings were constructed of concrete and steel with interior walls finished with drywall and ceilings finished with drop-in ceiling tile panels. Floors were finished with vinyl floor tile or linoleum. The heating ventilation air conditioning (HVAC) duct was uninsulated sheet metal, fiberglass-insulated sheet metal, or fiberglass flex-duct.

The other buildings in the survey area to be impacted in the demolition were observed to be constructed of concrete block and steel.

SECTION 3.0

METHODS AND LIMITATIONS

3.1 ASBESTOS SURVEY METHODS

The demolition areas were inspected for suspect ACM, unless otherwise noted. Each observed suspect material was assigned a homogenous area number, described, and measured. Each observed suspect material was either sampled or assumed to be asbestos-containing. Samples of suspect ACM were collected using procedures established by the United States (US) Environmental Protection Agency (EPA) Code of Federal Regulations (CFR) Title 40 Part 763 Subpart E, Asbestos-Containing Materials in Schools.

3.2 LABORATORY ANALYSIS METHODS

Samples were delivered to American Asbestos Laboratories, Inc. in Tampa, Florida for analysis. Upon arrival at the laboratory, the samples were logged-in and stored for analysis. Analyses were performed using the polarized light microscopy (PLM) method of asbestos detection using guidelines and procedures established in the Method for the Determination of Asbestos in Bulk Building Materials (EPA-600/R-93-116 July, 1993). Results were reported as percent (%) asbestos by volume. Samples found to contain greater than 1% asbestos were considered positive and listed as ACM.

3.3 LIMITATIONS

This asbestos inspection report has been prepared by EE&G in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranty, expressed or implied is made. The intent of this survey report is to assist the owner or client in locating ACM. Under no circumstances is this survey to be utilized as a proposal or a project specification document without the expressed written consent of EE&G.

The survey was conducted to identify suspect ACM in accessible areas of the structure. If other areas at this location are to be impacted during planned or future renovations, a separate asbestos survey of these areas will be required. Some ACM may not have been discovered due to inaccessibility or missing/incomplete plans. Suspect materials discovered subsequent to the issue of this survey report should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.

Analyses were carried out by PLM. While the most commonly accepted analytical method for detecting asbestos in bulk materials, PLM is known to have limited resolution and may not detect extremely small asbestos fibers. Certain materials, notably vinyl floor tiles, may contain extremely fine asbestos fibers that are beyond the resolution of PLM.

EE&G's interpretations and recommendations are based upon the results of sample collection and analyses in compliance with environmental regulations, quality control and assurance standards, and the scope of work as indicated in EE&G's proposal, dated June 18, 2018. The results, conclusions, and recommendations contained in this report pertain to conditions observed at the time of the survey. Other conditions elsewhere in the subject building(s) may

differ from those in the inspected/surveyed locations and, such conditions are unknown, may change over time, and have not been considered.

This report was prepared solely for the use of EE&G's client, and is not intended for use by third party beneficiaries. The client shall indemnify and hold EE&G harmless against liability for loss arising out of or relating to reliance by a third party on work performed thereunder, or the contents of this report. EE&G will not be held responsible for the interpretation or use by others of data developed pursuant to the compilation of this report, or for use of segregated portions of this report.

SECTION 4.0

SURVEY RESULTS

4.1 ASBESTOS ANALYSIS RESULTS

The results of the PLM analyses and assessment of suspect ACM are summarized in Table 1. The original laboratory report is attached as Appendix B.

4.1.1 Asbestos-containing materials

Asbestos was identified in amounts greater than 1 percent in the following materials:

- Black sink undercoat.
- White attachment caulk.

Refer to Table 1 for the location, quantity, and condition of these materials.

4.1.2 Non asbestos-containing materials

Asbestos was not detected in the following materials:

- White grout on 6"x6" red ceramic tile.
- White thin set on 6"x6" red ceramic tile.
- Grey grout on 12"x12" orange ceramic tile.
- Grey thin set on 12"x12" orange ceramic tile.
- Grey grout on 12"x12" tan ceramic tile.
- Grey thin set on 12"x12" tan ceramic tile.
- Grey grout on 6"x6" tan ceramic tile.
- Grey thin set on 6"x6" tan ceramic tile.
- Charcoal vinyl cove base (VCB) with glue.
- Brown VCB with glue.
- White skim coat.
- Grey plaster.
- Grey concrete.
- Red gasket.
- Beige rough texture.
- Black lid cover.
- Grey rough texture.
- Grey concrete column.
- Grey concrete slab.
- Grey concrete with texture.
- Grey concrete with blue epoxy paint.
- Black gasket.
- Grey concrete with white rough texture.
- Grey concrete block.
- White ceiling tile (CT) 2'x4'.
- White drywall system.
- White heating ventilation air conditioning (HVAC) mastic.

- Grey VCB with glue.
- Black field membrane.
- Grey concrete with pink texture.

Refer to Table 1 for the location of these materials.

4.2 ADDITIONAL OBSERVATIONS

In addition to the results presented in Section 4.1, EE&G observed the following:

- No suspect friable pipe thermal system insulation (TSI) was observed.
- No suspect fireproofing was observed.

TABLE 1. SURVEY RESULTS FOR WATER RECLAMATION FACILITY #1 1220 N.W. 4TH AVENUE OCALA, FL

HA	Material Description	Sample ID	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
01	Grout (white) on 6"x6" ceramic tile (red)	01-03	Operational room	NA	NAD	NA	NA	NA
02	Thin set (white) on 6"x6" ceramic tile (red)	04-06	Operational room	NA	NAD	NA	NA	NA
03	Grout (grey) on 12"x12" ceramic tile (orange)	07-09	Operational room	NA	NAD	NA	NA	NA
04	Thin set (grey) on 12"x12" ceramic tile (orange)	10-12	Operational room	NA	NAD	NA	NA	NA
05	Grout (grey) on 12"x12" ceramic tile (tan)	13-15	Operational room	NA	NAD	NA	NA	NA
06	Thin set (grey) on 12"x12" ceramic tile (tan)	16-18	Operational room	NA	NAD	NA	NA	NA
07	Grout (grey) on 6"x6" ceramic tile (tan)	19-21	Operational room	NA	NAD	NA	NA	NA
08	Thin set (grey) on 6"x6" ceramic tile (tan)	22-24	Operational room	NA	NAD	NA	NA	NA
09	VCB (charcoal) with glue	25-27	Operational room	NA	NAD	NA	NA	NA
10	VCB (brown) with glue	28-30	Operational room	NA	NAD	NA	NA	NA
11	Sink undercoat (black)	31	Operational room (kitchen)	2 SF	2-5%	No	Good	Cat II
12	Skim coat (white)	32-34	Operational room (restroom hallway)	NA	NAD	NA	NA	NA

NA = Not Applicable
VCB = Vinyl Cove Base

NAD = No Asbestos Detected

SF = Square Feet

CT = Ceiling Tile

HA = Homogenous Area

Quantities are approximate. Asbestos detected is chrysotile unless otherwise noted.

HA	Material Description	Sample ID	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
13	Plaster (grey)	35-37	Operational room	NA	NAD	NA	NA	NA
14	Concrete (grey)	38-40	Digesters	NA	NAD	NA	NA	NA
15	Gasket (red)	41-43	Digesters	NA	NAD	NA	NA	NA
16	Attachment caulk (white)	44-46	Digesters (tank)	TBD	2-5%	No	Good	Cat II
17	Rough texture (beige)	47-49	Digesters (1,2,3)	NA	NAD	NA	NA	NA
18	Lid covers (black)	50-52	Lids	NA	NAD	NA	NA	NA
19	Rough texture (grey)	53-55	Trickle filters (1,2,3)	NA	NAD	NA	NA	NA
20	Concrete column (grey)	56-58	Trickle filters (1,2,3)	NA	NAD	NA	NA	NA
21	Concrete slab (grey)	59-61	Loading dock	NA	NAD	NA	NA	NA
22	Concrete with texture (grey)	62-64	Dosing tank	NA	NAD	NA	NA	NA
23	Concrete (grey)	65-67	Secondary clarifier (1,2,3)	NA	NAD	NA	NA	NA
24	Concrete (grey)	68-70	Multi media filter	NA	NAD	NA	NA	NA
25	Concrete (grey) with epoxy paint (blue)	71-73	Chlorine contact chamber	NA	NAD	NA	NA	NA

NA = Not Applicable
VCB = Vinyl Cove Base

NAD = No Asbestos Detected

SF = Square Feet

CT = Ceiling Tile

HA = Homogenous Area

Quantities are approximate. Asbestos detected is chrysotile unless otherwise noted.

HA	Material Description	Sample ID	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
26	Concrete slab (grey)	74	Fiberglass hut	NA	NAD	NA	NA	NA
27	Concrete slab (grey)	75	Pump house	NA	NAD	NA	NA	NA
28	Gasket (red)	76-78	Pump house	NA	NAD	NA	NA	NA
29	Concrete (grey)	79-81	Primary clarifier (1,2)	NA	NAD	NA	NA	NA
30	Gasket (black)	82-84	Primary clarifier (1,2)	NA	NAD	NA	NA	NA
31	Concrete (grey)	85-86	Splitter box	NA	NAD	NA	NA	NA
32	Concrete slab (grey)	87	North corner pad	NA	NAD	NA	NA	NA
33	Concrete (grey)	88-89	Headwork structure	NA	NAD	NA	NA	NA
34	Gasket (black)	90	Headwork structure	NA	NAD	NA	NA	NA
35	Concrete (grey)	91	Odor control unit	NA	NAD	NA	NA	NA
36	Concrete (grey)	92	Humidification center	NA	NAD	NA	NA	NA
37	Concrete (grey) with rough texture (white)	93	Mulch pad	NA	NAD	NA	NA	NA
38	Concrete with rough texture (grey)	94-96	Trickle filter (4)	NA	NAD	NA	NA	NA

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VCB = Vinyl Cove Base

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Quantities are approximate. Asbestos detected is chrysotile unless otherwise noted.

HA	Material Description	Sample ID	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
39	Concrete block (grey)	97-98	Aluminum sulfate tank	NA	NAD	NA	NA	NA
40	Concrete rough texture (white)	99-100	Odor control unit	NA	NAD	NA	NA	NA
41	Concrete (grey)	101-102	Pump station	NA	NAD	NA	NA	NA
42	Gasket (red)	103	Pump station	NA	NAD	NA	NA	NA
43	CT 2'x4' (white)	104-106	Administration, storage, maintenance building	NA	NAD	NA	NA	NA
44	Drywall system (white)	107-109	Administration, storage, maintenance building	NA	NAD	NA	NA	NA
45	Mastic HVAC (white)	110	Maintenance building	NA	NAD	NA	NA	NA
46	VCB (grey) with glue	111-113	Maintenance building	NA	NAD	NA	NA	NA
47	Field membrane (black)	114-116	Multi-media roof	NA	NAD	NA	NA	NA
48	Concrete (pink/grey)	117-118	Generator room	NA	NAD	NA	NA	NA
49	Black expansion joint	091018CA-01	Water tower joint	NA	NAD	NA	NA	NA

NA = Not Applicable
VCB = Vinyl Cove Base

NAD = No Asbestos Detected

SF = Square Feet

CT = Ceiling Tile

HA = Homogenous Area

Quantities are approximate. Asbestos detected is chrysotile unless otherwise noted.

SECTION 5.0

RECOMMENDATIONS

5.1 RECOMMENDATIONS FOR REGULATED ACM (RACM)

No materials were identified as RACM.

5.2 RECOMMENDATIONS FOR CATEGORY I NONFRIABLE ACM

No materials were identified as Category I Nonfriable ACM.

5.3 RECOMMENDATIONS FOR CATEGORY II NONFRIABLE ACM

The following materials were identified as Category II Nonfriable ACM that are not likely to become friable during demolition:

- Black sink undercoat.
- White attachment caulk.

These materials may remain within the structure during wet demolition provided they remain nonfriable. However, they must be removed prior to activities that would release asbestos fibers. Specifically, demolition activity that will crush, abrade, or pulverize the matrix of these materials must be performed by a Florida-licensed Asbestos Contractor. If they can remain intact during wet demolition, then removal is not required, but the contractor must still follow NESHAP guidelines and OSHA training and protection requirements. A further explanation of some of these requirements are included in the Specific Recommendations section of this document.

5.4 GENERAL RECOMMENDATIONS

- If other structures at this location are to be impacted during demolition, an asbestos survey of these structures will be required.
- Suspect materials discovered after this inspection should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.
- This report should be updated if demolition of buildings covered in this survey does not take place within six months of the date of this survey, i.e. by January 12, 2019.

5.5 SPECIFIC RECOMMENDATIONS


Based on the results of this demolition survey, EE&G has the following specific recommendations:

- Prior to demolition activities, the property should be inspected for all potentially hazardous materials. The identified materials should be removed from the property, and properly disposed of in accordance with federal, state, and local regulations.

- Removal of RACM or Category II Nonfriable ACM that is likely to become friable must be performed prior to demolition by a Florida-licensed Asbestos Contractor. Demolition activities shall be conducted in accordance with 40 CFR 61 (NESHAP). It is recommended that contractor personnel receive a copy of EPA guidance on wet methods for asbestos removal and demolition, as well as the EPA guidance document on demolition practices under the asbestos NESHAP.
- Workers who perform demolition activities must comply with the OSHA construction standard for Occupational Exposure to Asbestos (CFR 1926.1101), and a NESHAP competent person must be present on the project during demolition to note changes in the condition of ACM impacted during wet demolition.
- Where ACM is being disturbed, either by wet demolition or removed prior to demolition, OSHA requires that workers be monitored for exposure to airborne fibers so that an exposure assessment may be made to determine the appropriate level of respiratory protection. Only a Project Monitor working under the direction of a Florida-licensed consultant may perform airborne fiber monitoring.
- For structures where RACM will be removed prior to demolition, a licensed asbestos consulting firm should perform daily air monitoring during asbestos removal to document the air quality, perform daily inspections, and provide final visual inspections and final air clearance testing.
- For structures undergoing wet demolition with nonfriable ACM present, a licensed asbestos consulting firm should perform daily air monitoring for airborne fibers to document the ambient air quality during demolition.
- EE&G recommends a walk-through of the property with the owner/owners representative and the demolition contractor prior to commencement of demolition activities. The demolition contractor should be provided the Pre-Demolition Survey Report, and should inspect the property for unidentified ACM. Unidentified suspect ACM should be sampled and analyzed prior to the start of demolition activities.
- The Florida Department of Environmental Protection (FDEP) requires notification of intent to demolish. Notification must be sent at least 10 working days prior to the start of demolition activities. The general contractor should also keep a copy of this survey at the demolition site during the entire project as proof of compliance with 40 CFR 61 (NESHAP).

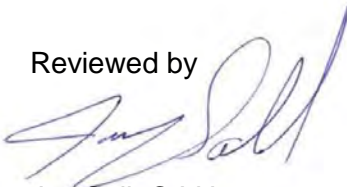
SECTION 6.0
SIGNATURE PAGE

Submitted by



Scott Eickholt
Environmental Technician, EE&G

Reviewed by



Jay Sall, C.I.H
Senior Technical Advisor, EE&G
Asbestos Consultant #AX0000011

APPENDIX A

GENERAL TERMS:

**TYPES OF ASBESTOS-CONTAINING MATERIALS
TYPES OF ASBESTOS-CONTAINING ROOFING MATERIALS
NESHAP CATEGORIES FOR ACM**

TYPES OF ASBESTOS-CONTAINING MATERIALS

Asbestos-Containing Material (ACM)

Asbestos-containing materials, as defined by National Emission Standards for Hazardous Air Pollutants (NESHAP), are materials that have an asbestos content of greater than 1 percent.

Friable Material

Material that can be crumbled or reduced to a powder using normal hand pressure. Nonfriable material is too hard to be crumbled or reduced to a powder without the use of tools. Nonfriable materials may become friable if abraded or broken.

Suspect Materials

There are three broad classes that define suspect, asbestos-containing materials. These are: 1) surfacing material, 2) thermal system insulation, and 3) miscellaneous material. Materials that fit the description of these materials (as described below) are suspected to contain asbestos, until sampled and analyzed.

- **Surfacing Material** - Materials applied by spray or trowel are classified as surfacing materials. Asbestos was used in a variety of surfacing materials for fireproofing, acoustic dampening, condensation control, and decorative purposes. Surfacing materials that contain asbestos usually occur as fireproofing on steel-frame members, textured ceilings, or acoustic plaster ceilings.
- **Thermal System Insulation (TSI) Material** - Chill water, hot water, and steam-generating mechanical systems are frequently insulated with materials that contain asbestos. Pipes may be insulated with a nonasbestos-containing material, but have mastic or plastered joints that contain asbestos. Insulation materials that contain asbestos are generally found in boiler rooms and chiller rooms, in pipe chases in walls, in pipe runs above suspended ceilings, or in crawl spaces under buildings. Insulation covered with an undamaged jacket or wrap is classified as nonfriable. Adhesives used to hold insulation in place or provide an airtight seal are also nonfriable materials. Most other types of thermal insulation are friable.
- **Miscellaneous Material** - Miscellaneous building materials are materials that are used for finishing of interior spaces, or adhesive materials applied to building materials and roofs. These materials have been manufactured with asbestos for strength enhancement, fire retardation, condensation control, acoustical dampening, or corrosion resistance. The most common type of friable miscellaneous material is ceiling tile. Most other miscellaneous materials are nonfriable materials such as vinyl floor tile, adhesives, and cementitious panels (Transite™).

TYPES OF ASBESTOS-CONTAINING ROOFING MATERIALS (ACRM)**Field Membrane**

This area is usually the predominant part of the roof deck and is comprised of all nonflashed areas and is applied directly to the roof substrate over an intermediate insulating layer. It usually consists of alternating layers of rolled-out felts and hot tar, topped with more hot tar to waterseal, and gravel. The asbestos, if found, is in one or more of the layers of tar or may be in the felts themselves.

Edge Flashing

This component consists of a cold bull/pitch applied to the substrate around the perimeter of a flat roof deck. An additional 8" - 12" of felt is applied to the bull/pitch to seal the edge of the roof substrate before a 4" - 6" piece of metal drip guard is placed over these materials to counterflash and protect against wind and rain. The field membrane felts are then blended in with the inner edge to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

Wall Base/Parapet Flashing

This component consists of a cold bull/pitch applied to the roof substrate, adjoining wall base, fan/vent, scupper trough, hatch, chimney, or raised parapet wall. An additional 12" - 48" of felt (often painted silver) is applied to the bull/pitch to seal the edges of the roof substrate, wall(s), or the side or top of the concrete parapet wall. The field membrane felts are then blended in with the inner edge to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

Roof Fixture Flashing

This component consists of a cold bull/pitch applied to the roof substrate around one of the following fixtures: roof drain, vent-thru-roof stack (VTR), pitch pan, gooseneck vents, mechanical equipment supports, or other roof penetration. An additional sheet of metal counterflashing (extending 4" - 24" from the center) is applied to the bull/pitch to seal the edges to the roof substrate. The field membrane felts are placed over up to the fixture sides to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

NESHAP CATEGORIES FOR ACM**Regulated ACM (RACM)**

ACM that is friable or likely to become friable during renovation or demolition activities is considered to be RACM. These materials must be removed from buildings prior to renovation or demolition activities that will disturb them.

Category I Nonfriable ACM

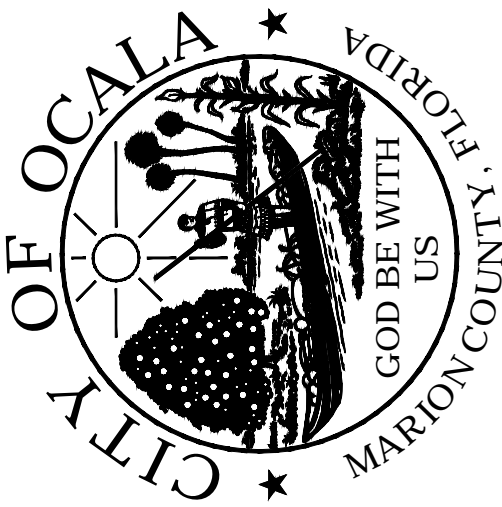
Resilient flooring, such as vinyl floor tile and rolled vinyl sheeting, valve packings and gaskets, and asphalt (bituminous) roofing materials are classified as Category I Nonfriable materials. If these materials are in good condition, they are not likely to become friable during demolition, and therefore, may remain in place for demolition. However, these materials must be removed prior to renovations if the renovation involves alteration that would render them friable.

Category II Nonfriable ACM

Category II materials are other nonfriable materials that are not classified as Category I. Asbestos cement products and plaster are the most common types of Category II materials. Most Category II materials are likely to become friable during demolition, and therefore, must be removed prior to demolition. These materials must be removed prior to renovations if the renovation involves alteration that would render them friable.

APPENDIX B
DEMOLITION PLANS

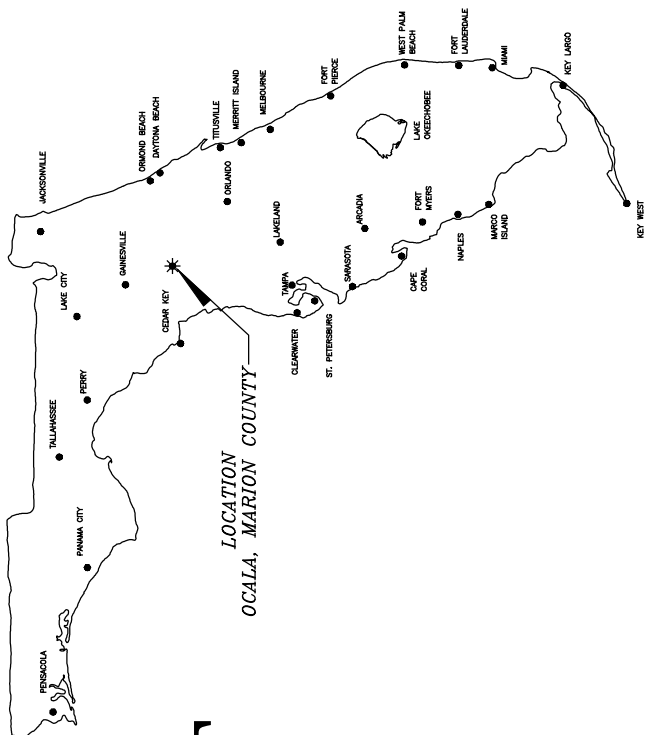
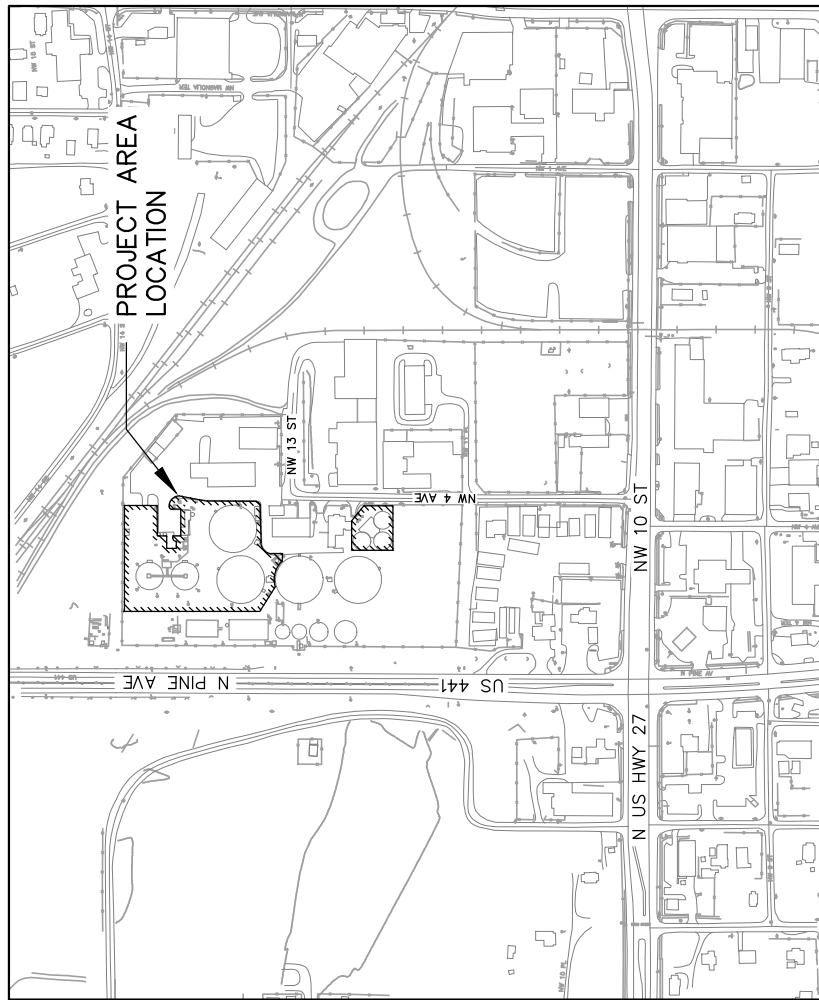
T:\COO_ENG_Drafting\Projects\2017\700 DEVELOPMENT\17702\17702\17702\17702\17702001 (PHASE 1 - DEMO).dwg, 4/12/2018 3:57:57 PM, DWG TO PDF.pc3



WRF #1 SITE REDEVELOPMENT PHASE 1

PARCEL ID#: 2573-009-001

VICINITY MAP
MARION COUNTY, FLORIDA
SECTION 7-TOWNSHIP 15-RANGE 22



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	PLAN VIEW
4-5	DEMOLITION PLAN
6	DEMOLITION NOTES - FIGURE SHEET
7	CROSS SECTION
8	SWPPP

100% PLANS
FOR CONSTRUCTION
DATE: 4/12/18



CITY OF OCALA
CITY ENGINEER'S OFFICE
TRANSPORTATION ENGINEERING DIVISION
1805 NE 30th AVE
OCALA, FLORIDA 34470

LOCAL UTILITIES		
UTILITY COMPANY	PHONE NUMBER	EMERGENCY
AT&T	(352) 284-8110	
CENTURY LINK	(352) 875-9749	
COX COMMUNICATIONS	(352) 873-5631	
TECO GAS	(352) 401-3419	(352) 622-0111
CITY OF OCALA ELECTRIC	(352) 351-6620	(352) 351-6666
CITY OF OCALA TRAFFIC	(352) 351-6733	
CITY OF OCALA WATER/SEWER (WATER RESOURCES)	(352) 351-6772	(352) 351-6775

<p>PROJECT DESCRIPTION: WRF #1 SITE REDEVELOPMENT PHASE 1</p>	<p>SHEET DESCRIPTION: COVER SHEET</p>	<p>PROJ.#: 17702001</p> <p>F.B.#: N/A</p> <p>FILE NO.: N/A</p> <p>LAST DRAWN: 4/12/18</p>	<p>CITY OF OCALA TRANSPORTATION ENGINEERING DIVISION CITY ENGINEER'S OFFICE</p>	<p>PREPARED BY THE CITY OF OCALA</p>
<p>DRAWN BY: SS</p> <p>DESIGNED BY: OT</p> <p>HORIZ: N/A</p> <p>VERT: N/A</p>	<p>DATE: 4/12/18</p> <p>REV. BY: SS</p>	<p>REGISTERED ENGINEER No. 64599 OSCAR TOVAR, P.E.</p> <p>State of Florida, DATE: _____</p> <p>Valid only with embossed seal.</p>	<p>10/2/17 SS</p> <p>10/20/17 SS</p> <p>12/13/17 SS</p> <p>1/4/18 SS</p> <p>4/12/18 SS</p>	<p>10/2/17 SS</p> <p>12/13/17 SS</p> <p>1/4/18 SS</p> <p>4/12/18 SS</p>

ENVIRONMENTAL REQUIREMENTS

NOTICE TO CONTRACTORS:

THE CITY OF OCALA OPERATES UNDER A FDEP NPDES 'GENERAL PERMIT' THAT REQUIRES THE CITY AND, IN TURN, ITS CONTRACTORS TO FOLLOW CERTAIN ENVIRONMENTAL PRACTICES AND PROCEDURES TO PREVENT THE POLLUTION OF THE CITY'S GROUNDWATER AND STORMWATER SYSTEM.

EROSION & SEDIMENT CONTROLS - STABILIZATION PRACTICES:

CONTRACTOR SHALL:

- LIMIT AREAS OF DISTURBANCE TO ONLY THAT REQUIRED FOR NEAR TERM CONSTRUCTION ACTIVITIES.
- PROMPTLY INSTALL PERMANENT SOD ON ALL AREAS DISTURBED BY CONSTRUCTION AS WORK IS COMPLETED.
- TEMPORARILY STABILIZE ALL WORK AREAS THAT CANNOT BE PERMANENTLY SODDED WITH ACCEPTABLE METHODS SUCH AS HAY BALES, STRAW MULCH, ETC., OR AS MAY BE APPROVED BY THE CITY.

EROSION & SEDIMENT CONTROLS - STRUCTURAL PRACTICES:

CONTRACTOR SHALL:

- 'SILT FENCE' (CITY STANDARD OR FDOT INDEX 102 TYPE III FENCE).
- 'STORM INLET PROTECTION' (ACF ENVIR. 'GUTTERBUDDY' OR 'GUTTERGATOR', OR EQUIVALENT).
- 'FLOATING TURBIDITY BARRIER' (FDOT INDEX 103).
- 'TEMPORARY CONSTRUCTION GRAVEL ENTRANCE' (CITY STANDARD OR FDOT INDEX 106).
- 'CONSTRUCTION BARRIER FENCE' (CITY STANDARD).

- REGULARLY REMOVE ACCUMULATED SEDIMENT FROM STREET SURFACES/GUTTERS, SWALES AND STORM INLETS.

- DANDY BAG - INSTALLATION: REMOVE THE GRATE FROM THE CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY BAG II SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.

- DANDY BAG - MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE DANDY BAG II. IF THE CONTAINMENT AREA IS MORE THAN $\frac{1}{2}$ FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.

HAZARDOUS, SANITARY AND CONSTRUCTION WASTE MATERIALS:

CONTRACTOR SHALL:

- HANDLE, COLLECT AND DISPOSE OF HAZARDOUS MATERIALS; SANITARY WASTE AND CONSTRUCTION WASTE MATERIALS ACCORDING TO THE APPLICABLE STATE LAWS AND REGULATIONS; CITY ORDINANCES, OR AS DIRECTED BY THE CITY.
- DESIGNATE AN AREA FOR DISCHARGE OF SURPLUS CONCRETE AND CONCRETE TRUCK DRUM WASH WATER. INSTALL A CONTAINMENT BERM AROUND THIS DESIGNATED AREA TO PREVENT RUNOFF BEYOND THE DESIGNATED AREA. ALL SURPLUS CONCRETE SHALL BE REMOVED FROM THE PROJECT SITE PRIOR TO FINAL INSPECTION.

SPILL PREVENTION AND SPILL (RELEASE) CONTROL PRACTICES:

CONTRACTOR SHALL:

- STORE AND USE PETROLEUM AND OTHER HAZARDOUS PRODUCTS ACCORDING TO RECOMMENDED PROCEDURES.
- FOLLOW GOOD HOUSEKEEPING PRACTICES TO MINIMIZE THE RISK OF SPILLS OR UNINTENDED EXPOSURE OF PETROLEUM AND OTHER HAZARDOUS MATERIALS TO STORMWATER RUNOFF OR SEEPAGE INTO THE GROUNDWATER.
- HAVE PRE-PREPARED PROCEDURES CLEARLY POSTED FOR SPILL CONTAINMENT AND CLEAN-UP.
- HAVE READILY AVAILABLE REMEDIATION MATERIALS FOR SPILL CONTAINMENT AND CLEAN-UP.
- UPON RELEASE, IMMEDIATELY INITIATE RECOMMENDED METHODS FOR SPILL CONTAINMENT AND CLEAN-UP.
- WITHIN 24-HOURS OF THE SPILL/RELEASE, NOTIFY THE 'STATE WARNING POINT' (AT 1.800.320.0519 OR 1.850.413.9911) OF ALL RELEASES EQUAL TO OR EXCEEDING THE REPORTABLE QUANTITY.

LEGEND		
phase 1 limits (this phase)	w3	no. 3 water (non-potable)
	oh/e	over head electric
	utc	underground telephone cable
	fm	force main
	wn	water main
	ce	concrete encased conduit
	db	direct buried conduit
	dip	ductile iron pipe
	cip	cast iron pipe
	n.t.s.	not to scale
	p.i.d.	parcel id
	d.e.p.	department of environmental protection

GENERAL NOTES

- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS VOLUME I, "GENERAL CONDITIONS FOR CONSTRUCTION" AND FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROAD & BRIDGE CONSTRUCTION" (LATEST EDITION), AND VOLUME III, "STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION".
- CONTRACTOR SHALL PROVIDE ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE ENTIRE CONSTRUCTION PERIOD.
- ALL MANHOLE COVERS, VALVE BOX COVERS AND OTHER COVERS SHALL BE ADJUSTED AS NEEDED. CONTRACTOR SHALL ADJUST PRIOR TO LAYING FINAL ASPHALT OR CONCRETE COURSE. WHERE SANITARY SEWER MANHOLE LIDS ARE TO BE REMOVED AND REPLACED WITH HINGED LIDS, THE CITY'S WATER & SEWER DEPARTMENT SHALL FURNISH THE LIDS.
- TEMPORARY STRIPING & MARKING IF APPLICABLE (SHALL BE A PART OF THIS CONTRACT AND SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
 - ALL TEMPORARY PAINT SHALL BE WATER BASE.
 - TEMPORARY STOP BARS SHALL BE INSTALLED IMMEDIATELY AFTER NEW SURFACE IS IN PLACE AT ALL LOCATIONS WHERE PERMANENT STOP BARS ARE REQUIRED.
 - OTHER TEMPORARY STRIPING & MARKING CALLED OUT AS PART OF THE ROAD CURE SHALL BE INSTALLED IMMEDIATELY AFTER NEW SURFACE IS IN PLACE.
 - THE CITY SHALL PAY FOR TEMPORARY STRIPING & MARKING ONE TIME PER ROAD, ANY ADDITIONAL TEMPORARY STRIPING & MARKING SHALL BE AT THE CONTRACTORS EXPENSE.
- PERMANENT STRIPING & MARKINGS IF APPLICABLE SHALL BE INSTALLED A MINIMUM OF 14 DAYS AFTER FINAL PAVING.
- IF ANY SIGNS ARE REMOVED OR RELOCATED, THE CONTRACTOR AT THE PROPER HEIGHT AND DISTANCE SHALL REINSTALL THEM IMMEDIATELY.
- NOTIFICATION AND M.O.T. PLAN SHALL BE SUBMITTED FOR APPROVAL BEFORE STARTING CONSTRUCTION. M.O.T. PLAN SHALL COMPLY WITH INDEX NO. 600 IN THE FLORIDA DEPARTMENT OF TRANSPORTATION "DESIGN STANDARDS" LATEST EDITION.
- THE CITY OF OCALA TRAFFIC DIVISION SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF STARTING STRIPING WORK.
- THE CONTRACTOR SHALL SOD DISTURBED AREAS AFFECTED BY THEIR WORK AS DIRECTED BY THE ENGINEER WITH A GRASS TYPE THAT MATCHES EXISTING SOD. IN AREAS WHERE THERE IS NOT AN ESTABLISHED GRASS TYPE BAHIA SHALL BE USED.
- CONTRACTOR TO PROVIDE TWO PORTABLE PROJECT SIGNS (AS SPECIFIED IN CONTRACT DOCUMENTS) TO BE RELOCATED AS PROJECT PROGRESSES AT LOCATIONS APPROVED BY CITY'S INSPECTOR.

GENERAL NOTES

PROJECT DESCRIPTION:
SHEET DESCRIPTION:

WRF #1 SITE REDEVELOPMENT PHASE 1

PROJECT DESCRIPTION:

SHEET #
2
OF
8

DATE	REV. BY
10/2/17	SS
10/20/17	SS
12/13/17	SS
1/4/18	SS
4/12/18	SS

ENGINEER OF RECORD:
OSCAR TOVAR, P.E.
Registered Engineer No. 64599
State of Florida, DATE: _____
Valid only with embossed seal.

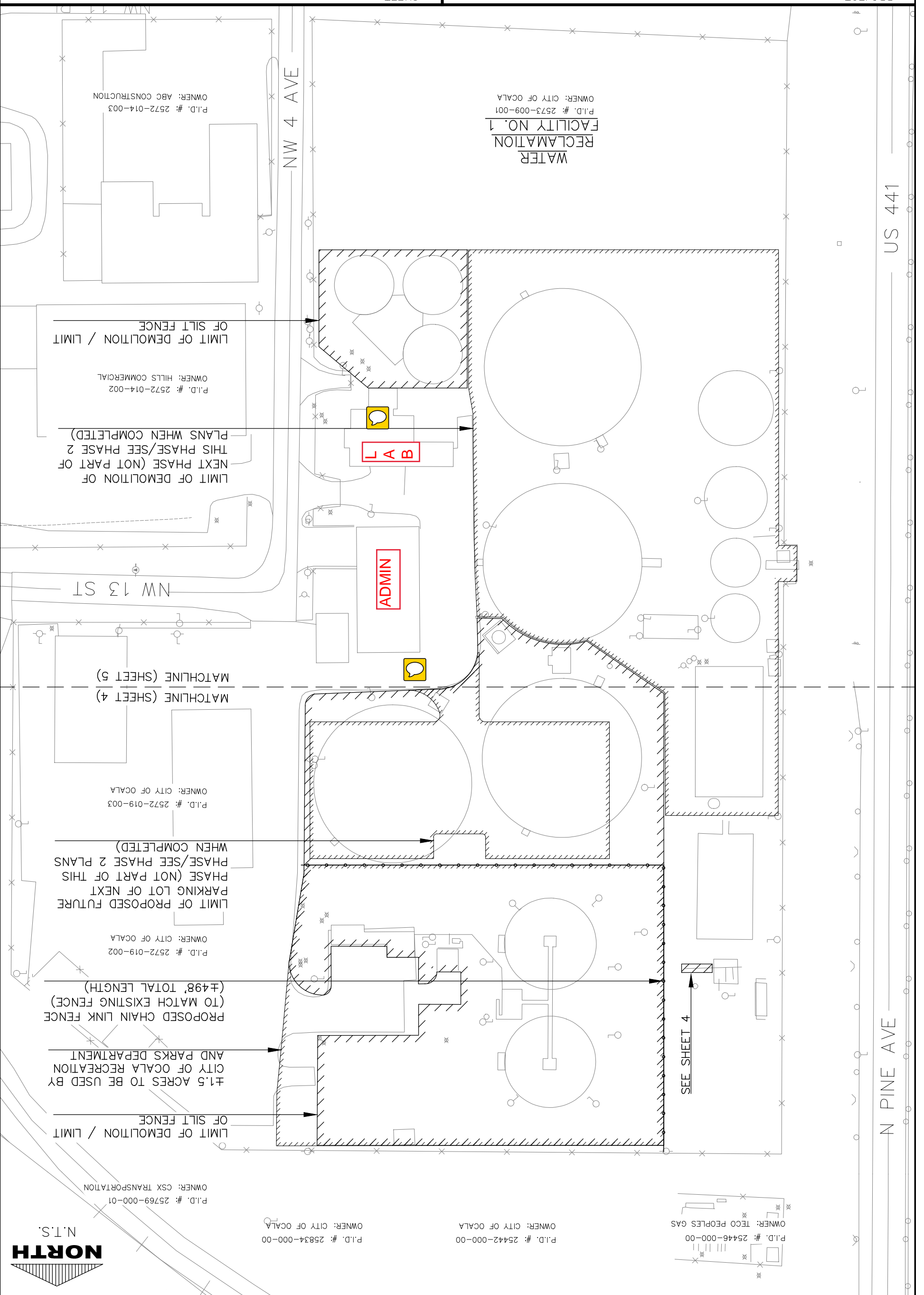
PROJ.#:	F.B.#:	FILE No.:	LAST DRAWN:
17702001	N/A	N/A	4/12/18

DRAWN BY:	DESIGNED BY:	HORIZ.:	VERT.:
SS	OT	N/A	N/A

PREPARED BY THE
CITY OF OCALA
CITY ENGINEER'S OFFICE
TRANSPORTATION ENGINEERING DIVISION

SHEET #: 3 OF 8	DATE REV. BY	10/2/17 SS	10/20/17 SS	12/13/17 SS	1/4/18 SS	4/12/18 SS	
	ENGINEER OF RECORD: OSCAR TOVAR, P.E. Registered Engineer No. 64599 State of Florida, DATE: _____ Valid only with embossed seal.						
	CITY ENGINEER'S OFFICE TRANSPORTATION ENGINEERING DIVISION CITY OF OCALA						
PROJ.#: 17702001		F.B.#: N/A		FILE NO.: N/A		LAST DRAWN: 4/12/18	
DRAWN BY: SS		DESIGNED BY: OT		HORIZ.: N/A		VERT.: N/A	

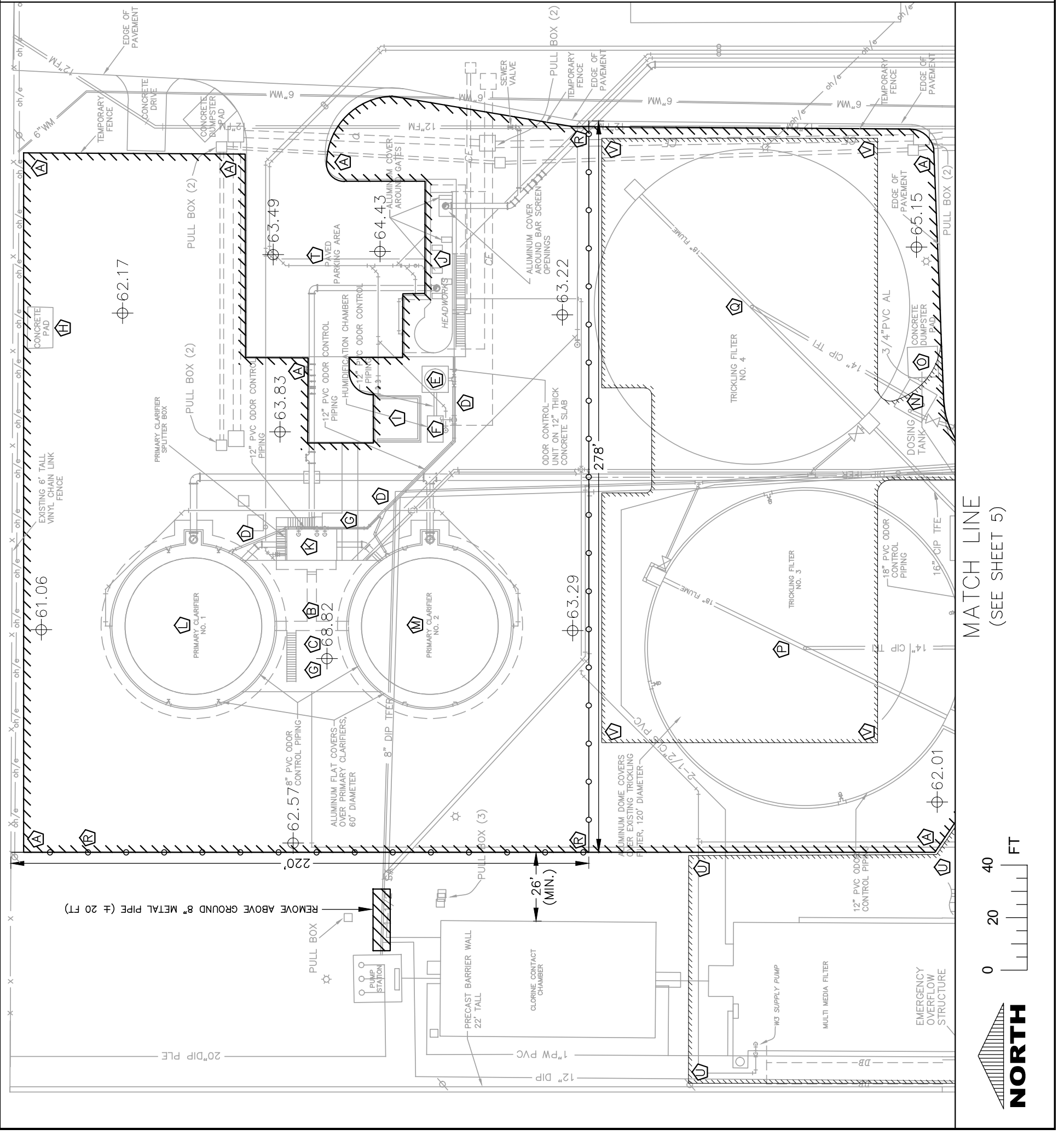
PROJECT DESCRIPTION: WRF #1 SITE REDEVELOPMENT PHASE 1
 SHEET DESCRIPTION: PLAN VIEW



PREPARED BY THE CITY OF OCALA CITY ENGINEER'S OFFICE TRANSPORTATION ENGINEERING DIVISION	
DRAWN BY: SS DESIGNED BY: OT HORIZ: 40 VERT: 40	PROJ.#: 17702001 F.B.#: N/A FILE NO.: N/A LAST DRAWN: 4/12/18
ENGINEER OF RECORD: OSCAR TOVAR, P.E. Registered Engineer No. 64599 State of Florida, DATE: _____ Valid only with embossed seal.	
DATE: 10/2/17 REV. BY: SS DATE: 10/20/17 REV. BY: SS DATE: 12/13/17 REV. BY: SS DATE: 1/4/18 REV. BY: SS DATE: 4/12/18 REV. BY: SS	SHEET #: 4 OF 8 SHEET #

PROJECT: WRF #1 SITE REDEVELOPMENT PHASE 1
 SHEET DESCRIPTION: DEMOLITION PLAN

- SCOPE OF WORK**
- A LIMIT OF DEMOLITION / LIMIT OF SILT FENCE
 - B REMOVE METAL WALKWAY (±904 SQ FT)
 - C REMOVE ABOVE GROUND METAL PIPING
 - D REMOVE ABOVE GROUND PVC PIPING (±175 FT)
 - E REMOVE ODOR CONTROL UNIT & CONCRETE PAD (±100 SQ FT)
 - F REMOVE HUMIDIFICATION CHAMBER & CONCRETE PAD (±60 SQ FT)
 - G REMOVE CONCRETE LEADING TO AND SURROUNDING PRIMARY CLARIFIERS 1 & 2 (±2133 SQ FT)
 - H REMOVE CONCRETE PAD (±151 SQ FT)
 - I REMOVE CONCRETE PAD AND CONCRETE WALL (±310 SQ FT)
 - J REMOVE HEADWORKS STRUCTURE (±962 SQ FT OF CONCRETE & METAL)
 - K REMOVE SPLITTER BOX STRUCTURE (±228 SQ FT OF CONCRETE & METAL)
 - L REMOVE PRIMARY CLARIFIER NO. 1 (±3859 SQ FT OF CONCRETE & METAL)
 - M REMOVE PRIMARY CLARIFIER NO. 2 (±3892 SQ FT OF CONCRETE & METAL)
 - N REMOVE DOSING TANK (±144 SQ FT OF CONCRETE & METAL)
 - O REMOVE CONC. DUMPSTER PAD (±130 SQ FT)
 - P REMOVE TRICKLING FILTER NO. 3 (±11735 SQ FT OF CONCRETE & METAL)
 - Q REMOVE TRICKLING FILTER NO. 4 (±11569 SQ FT OF CONCRETE & METAL)
 - R CONSTRUCT A TOTAL OF ±498' OF PROPOSED CHAIN LINK FENCE (TO MATCH EXISTING FENCE)
 - S EXISTING PAVED PARKING AREA TO REMAIN (±6416 SQ FT) (REMOVE BOLLARDS)
 - T LIMIT OF DEMOLITION OF NEXT PHASE (NOT PART OF THIS PHASE/SEE PHASE 2 PLANS WHEN COMPLETED)
 - V LIMIT OF PROPOSED FUTURE PARKING LOT OF NEXT PHASE (NOT PART OF THIS PHASE/SEE PHASE 2 PLANS WHEN COMPLETED)



CITY OF OCALA PREPARED BY THE CITY ENGINEER'S OFFICE TRANSPORTATION ENGINEERING DIVISION	
PROJ.#: 17702001	LAST DRAWN: 4/12/18
F.B.#: N/A	FILE NO.: N/A
DESIGNED BY: OT	VERT.: 40
DRAWN BY: SS	HORIZ.: 40

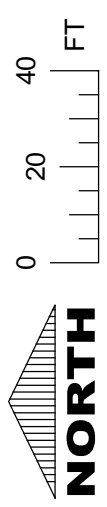
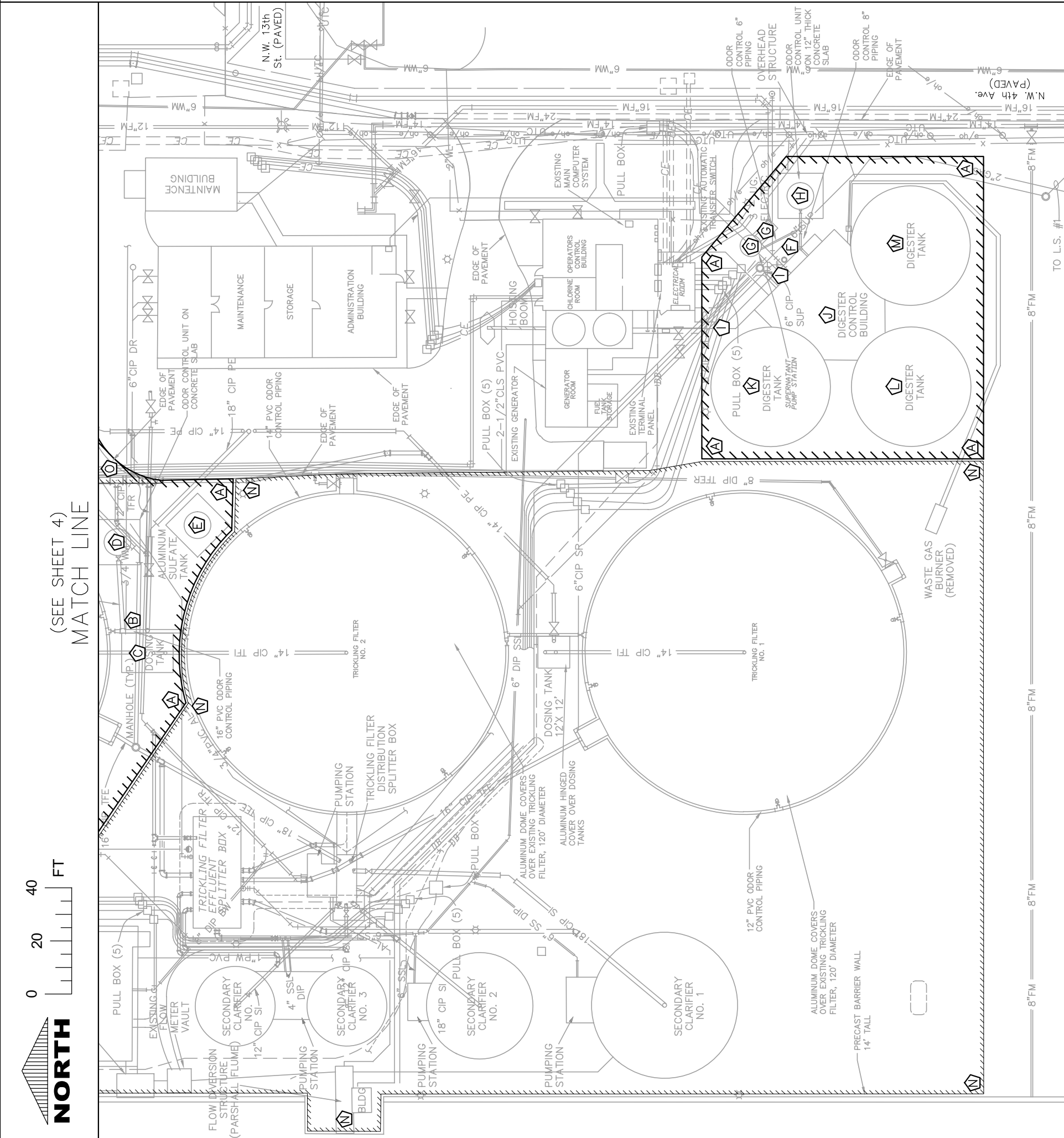
ENGINEER OF RECORD: OSCAR TOVAR, P.E. Registered Engineer No. 64599 State of Florida, DATE: _____ Valid only with embossed seal.
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DATE	REV. BY
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10/20/17	SS
12/13/17	SS
1/4/18	SS
4/12/18	SS

SHEET #	5 OF 8
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PROJECT: WRF #1 SITE REDEVELOPMENT PHASE 1
SHEET DESCRIPTION: DEMOLITION PLAN

- SCOPE OF WORK**
- A LIMIT OF DEMOLITION / LIMIT OF SILT FENCE
 - B REMOVE ABOVE GROUND PVC PIPING (±55 FT)
 - C REMOVE DOSING TANK (±286 SQ FT OF CONCRETE & METAL)
 - D REMOVE ODOR CONTROL UNIT & CONCRETE PAD (±289 SQ FT)
 - E REMOVE ALUMINUM SULFATE TANK, CONCRETE PAD & CONCRETE WALL (±289 SQ FT)
 - F REMOVE ABOVE GROUND PVC PIPING (±45 FT)
 - G REMOVE PUMP STATION (±100 SQ FT OF CONCRETE & METAL)
 - H REMOVE ODOR CONTROL UNIT & CONCRETE PAD (±289 SQ FT)
 - I REMOVE CONCRETE SIDEWALK LEADING TO DIGESTER CONTROL BUILDING (± 225 SQ FT)
 - J REMOVE TWO STORY DIGESTER CONTROL BUILDING (±1475 SQ FT OF CONCRETE & METAL)
 - K REMOVE DIGESTER TANK (±1643 SQ FT OF CONCRETE)
 - L REMOVE DIGESTER TANK (±1639 SQ FT OF CONCRETE)
 - M REMOVE DIGESTER TANK (±1631 SQ FT OF CONCRETE)
 - N LIMIT OF DEMOLITION OF NEXT PHASE (NOT PART OF THIS PHASE/SEE PHASE 2 PLANS WHEN COMPLETED)
 - O LIMIT OF PROPOSED FUTURE PARKING LOT OF NEXT PHASE (NOT PART OF THIS PHASE/SEE PHASE 2 PLANS WHEN COMPLETED)
- DISCLAIMER**
This information provided was derived from documents in the possession of the City of Ocala that are readily available. All existing underground utilities should be considered assumed. No warranties, expressed or implied, are provided as to the accuracy of the underground data herein & should be verified to determine exact location.



(SEE SHEET 4)
MATCH LINE

T:\COO_ENG_Drafting\Projects\2017\700 DEVELOPMENT\17702\17702.plt\17702001 (PHASE 1 - DEMO).dwg, 4/12/2018 3:58:40 PM, DWG TO PDF.pc3

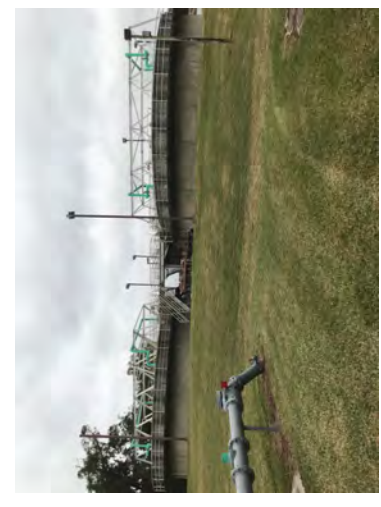
CITY OF OCALA PREPARED BY THE CITY ENGINEER'S OFFICE TRANSPORTATION ENGINEERING DIVISION	
PROJ.#: 17702001	LAST DRAWN: 4/12/18
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DESIGNED BY: OT	VERT.: N/A
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ENGINEER OF RECORD: OSCAR TOVAR, P.E. Registered Engineer No. 64599 State of Florida, DATE: _____ Valid only with embossed seal.
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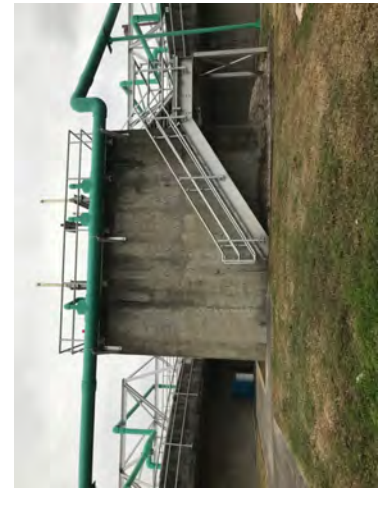
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10/20/17	SS
12/13/17	SS
1/4/18	SS
4/12/18	SS

SHEET #	8	OF	6
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PROJECT DESCRIPTION: WRF #1 SITE REDEVELOPMENT PHASE 1
SHEET DESCRIPTION: DEMOLITION NOTES - FIGURE SHEET



PRIMARY CLARIFIERS NO. 1 (LEFT) & NO. 2 (RIGHT)



PRIMARY CLARIFIER SPLITTER BOX



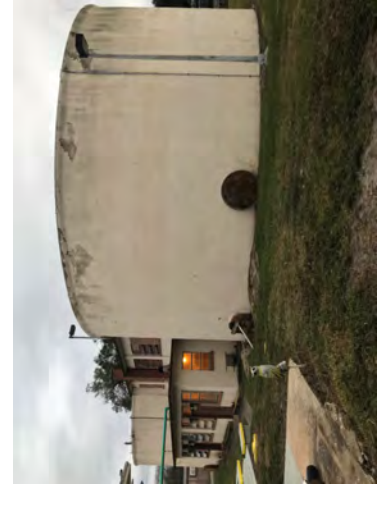
HEADWORKS



TRICKLING FILTER NO. 4



TRICKLING FILTER NO. 3



DIGESTER TANKS (3) & DIGESTER CONTROL BUILDING

DEMOLITION NOTES

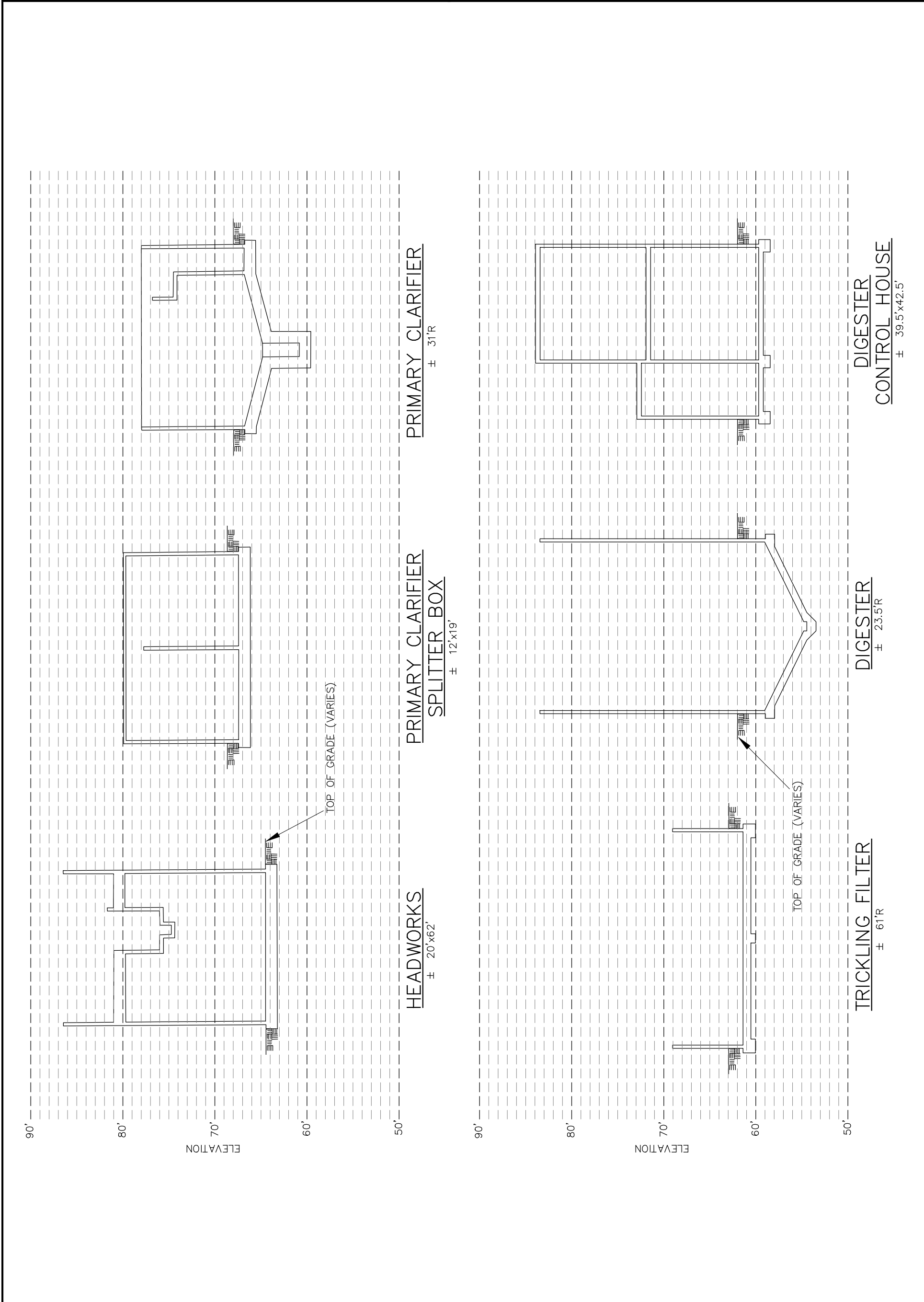
1. DEMOLITION IS FOR THE EXISTING ITEMS (MAINLY ABOVE GROUND) WITHIN DEMOLITION LIMITS.
2. "DEMOLITION ITEM" SHALL REFER TO ANY EXISTING STRUCTURE OR COMPONENT THAT IS TO BE REMOVED.
3. "REMOVE" SHALL REFER TO THE DEMOLITION (OR DISMANTLING) AND REMOVAL OF ANY DEMOLITION ITEM (OR UTILITY) AND THE HAULING AWAY OF MATERIALS, BY THE CONTRACTOR, TO THE APPROPRIATE DESTINATIONS.
4. THE EXISTING TEMPORARY FENCE IS TO REMAIN IN PLACE DURING THE DEMOLITION PHASE.
5. CONSTRUCTION EQUIPMENT MUST MAINTAIN A MINIMUM APPROACH DISTANCE OF 20' FROM ANY OVERHEAD POWER LINES.
6. ALL ELECTRICAL POWER SUPPLY TO THE DEMOLITION LIMITS IS TO BE PROPERLY DISCONNECTED BY THE CITY OF OCALA ELECTRIC UTILITY COMPANY BEFORE THE ACTUAL DEMOLITION BEGINS.
7. ALL IN GROUND PULL BOXES (ELECTRICAL VAULTS) ARE TO REMAIN.
8. UNDERGROUND UTILITIES THAT ARE TO BE ABANDONED SHALL REMAIN IN PLACE (TO BE COORDINATED WITH CITY OF OCALA WATER RESOURCES) HOWEVER, ALL EXISTING FUNCTIONAL WATER MAINS, THAT ARE CONNECTED TO THE DEMOLITION ITEMS, ARE TO BE:

 - 8.1. CAPPED AT THE NECESSARY AREAS WHERE DISCONNECTION IS MADE,
 - 8.2. PRESSURE TESTED TO ENSURE THAT THERE ARE NO LEAKS,
 - 8.3. AND WHERE THERE IS A GAP CAUSED BY THE DEMOLITION, SIMILAR ADDITIONAL MATERIAL IS TO BE ADDED, SO THAT THE PIPE NETWORK LOOP IS CLOSED AS NECESSARY.

9. ALL IN-USE VALVES/MANHOLES ARE TO BE ADJUSTED TO GRADE IF NECESSARY. ALL OTHER VALVES/MANHOLES ARE TO BE REMOVED (TO BE COORDINATED WITH CITY OF OCALA WATER RESOURCES).
10. ABOVEGROUND UTILITIES, IF APPLICABLE, ARE TO BE REMOVED TO A DEPTH OF 4' BELOW GRADE (MAX.) AND CAPPED AS NECESSARY.
11. ALL ATTACHMENTS, OF A DEMOLITION ITEM, ARE TO BE REMOVED.
- 11.1. ATTACHMENTS INCLUDE, BUT ARE NOT LIMITED TO, SUPPORTING STRUCTURES AND ITEMS THAT ARE LOCATED WITHIN, OR IMMEDIATELY ATTACHED TO, A DEMOLITION ITEM.
12. REMOVE ALL LIGHT POLES WITHIN DEMOLITION LIMITS.
13. REMOVE ALL TREES WITHIN DEMOLITION LIMITS.
14. ALL MATERIALS LISTED IN THE "SCOPE OF WORK" SHOULD BE CONSIDERED ASSUMED. MAY NOT INCLUDE ALL MATERIALS PRESENT IN STRUCTURES, ONLY THE BULK OF MATERIALS PRESENT.
15. ALL ENVIRONMENTALLY HAZARDOUS MATERIALS, IF FOUND, ARE TO BE APPROPRIATELY DISPOSED OF SO THAT THEY DO NOT POSE ANY THREAT TO THE ENVIRONMENT.
16. ALL SUITABLE SCRAP METAL (DOMES, COVERS, PIPING, ETC.) IS TO BE DISASSEMBLED, REMOVED, AND PLACED AT A LOCATION DESIGNATED BY THE CITY FOR RECYCLING.
17. THE METAL DIGESTER LIDS HAVE PREVIOUSLY BEEN REMOVED AND PLACED IN CLOSE PROXIMITY TO THE DIGESTER TANKS. (TO BE TREATED AS A DEMOLITION ITEM AND/OR SCRAP METAL).
18. ALL DEMOLITION ITEMS, IF APPLICABLE, ARE TO BE REMOVED 4' BELOW GRADE (MAX.) AND WHAT REMAINS IS TO BE BROKEN UP TO MEET FLORIDA D.E.P. STANDARDS AS STATED IN THE 'D.E.P. WWTF ABANDONMENT REQUIREMENTS':
- 18.1. "IF THE PLANT [DEMOLITION ITEM] IS TO BE DEMOLISHED ON-SITE, THE BOTTOM PAD NEEDS TO BE BROKEN IN PIECES TO PROVIDE PERCOLATION".
19. LEVEL WORK AREA AS NECESSARY. BACK FILL, WITH DIRT, ALL VOIDS CREATED BY THE DEMOLITION. USE ON-SITE FILL WHEN POSSIBLE. (TOTAL FILL REQUIRED ±112831 CU FT) (FINAL FILL TOTAL MAY DIFFER).
20. TO KEEP STORM WATER RUNOFF FLOWING ACROSS AND TO THE PROPER DESTINATION, RETURN ALL DISTURBED AREAS TO GRADE. THE CITY WOULD PREFER THAT THE FULL EXTENT OF THE DEMOLITION LIMITS BE GRADED TO BEST MATCH THE IMMEDIATE SURROUNDING AREA AND/OR THE ELEVATION OF THE EXISTING PARKING AREA (ITEM 4 ON SHEET 4).
21. SEED OR SOD, AS NECESSARY, ALL DISTURBED AREAS (MIN. TOTAL DISTURBED AREA ±43139 SQ FT).

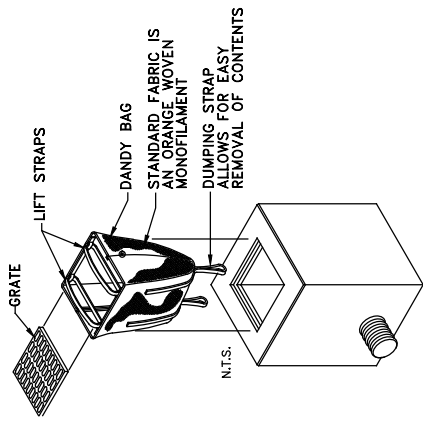
<p>8 OF 7 SHEET #</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DATE</th> <th>REV. BY</th> </tr> <tr> <td>10/2/17</td> <td>SS</td> </tr> <tr> <td>10/20/17</td> <td>SS</td> </tr> <tr> <td>12/13/17</td> <td>SS</td> </tr> <tr> <td>1/4/18</td> <td>SS</td> </tr> <tr> <td>4/12/18</td> <td>SS</td> </tr> </table>	DATE	REV. BY	10/2/17	SS	10/20/17	SS	12/13/17	SS	1/4/18	SS	4/12/18	SS	<p>ENGINEER OF RECORD: OSCAR TOVAR, P.E. Registered Engineer No. 64599 State of Florida, DATE: _____ Valid only with embossed seal.</p>	<p style="text-align: center;">CITY OF OCALA</p> <p style="text-align: center;">CITY ENGINEER'S OFFICE TRANSPORTATION ENGINEERING DIVISION</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>PROJ.#:</td> <td>17702001</td> </tr> <tr> <td>F.B.#:</td> <td>N/A</td> </tr> <tr> <td>FILE NO.:</td> <td>N/A</td> </tr> <tr> <td>LAST DRAWN:</td> <td>4/12/18</td> </tr> </table>	PROJ.#:	17702001	F.B.#:	N/A	FILE NO.:	N/A	LAST DRAWN:	4/12/18
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PROJECT DESCRIPTION: **WRF #1 SITE REDEVELOPMENT PHASE 1**
SHEET DESCRIPTION: **CROSS SECTION**



CITY OF OCALA PREPARED BY THE CITY ENGINEER'S OFFICE TRANSPORTATION ENGINEERING DIVISION	PROJ.#: 17702001
	F.B.#: N/A FILE NO.: N/A LAST DRAWN: 4/12/18
DRAWN BY: SS DESIGNED BY: OT HORIZ.: N/A VERT.: N/A	ENGINEER OF RECORD: OSCAR TOVAR, P.E. Registered Engineer No. 64599 State of Florida, DATE: _____ Valid only with embossed seal.
DATE: 10/2/17 REV. BY: SS DATE: 10/20/17 REV. BY: SS DATE: 12/13/17 REV. BY: SS DATE: 1/4/18 REV. BY: SS DATE: 4/12/18 REV. BY: SS	SHEET #: OF OF

PROJECT: WRF #1 SITE REDEVELOPMENT PHASE 2
 SHEET DESCRIPTION: SWPPP



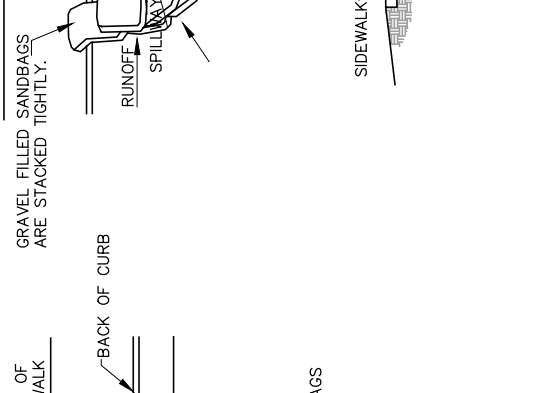
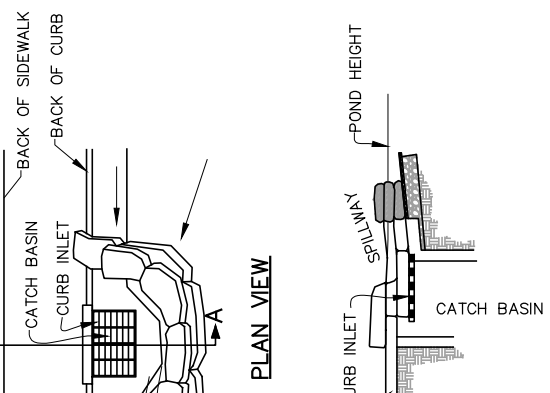
DANDY BAG II
 Installation and Maintenance Guidelines

INSTALLATION: REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLING IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY BAG II SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES; INSERT THE GRATE INTO THE INLET.

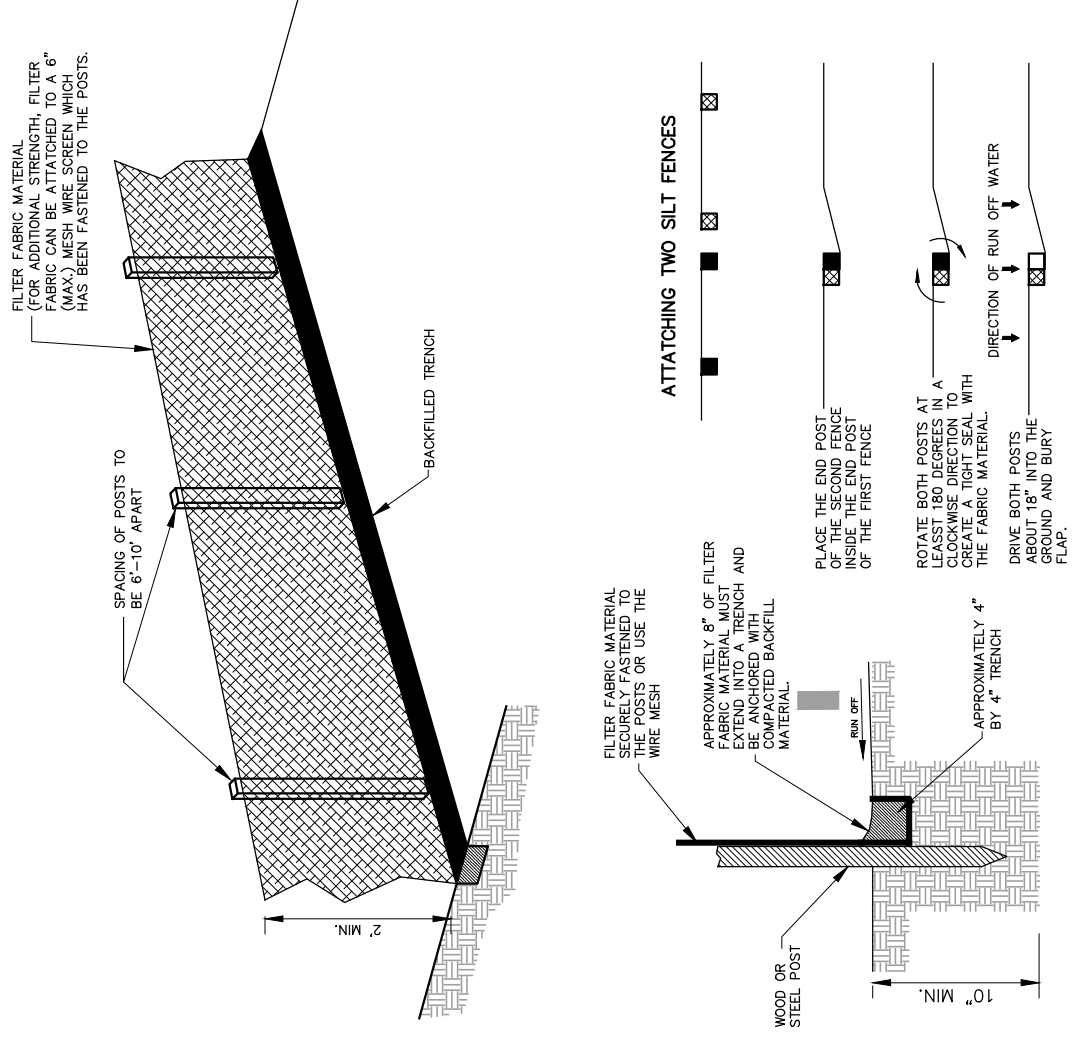
MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE DANDY BAG II. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.

DANDY BAG DETAIL

- SWPPP NOTES:**
- SOIL TRACKING PREVENTION DEVICE (STPD) AT SITE ENTRANCE FOR CONSTRUCTION TRAFFIC SHALL BE INSTALLED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS INDEX 106, SHOWN ON THIS SHEET FOR REFERENCE. INSTALL STPD PRIOR TO HEAVY CONSTRUCTION TRAFFIC. STPD TO BE REMOVED JUST PRIOR TO LIMEROCK INSTALLATION.
 - A PRESITE MEETING IS REQUIRED PRIOR TO CONSTRUCTION.



- PLAN VIEW**
- NOTES:**
- PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEDIMENTS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
 - SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
 - LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
 - INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.



TYP. SILT FENCE DETAILS

APPENDIX C
LABORATORY ANALYSIS REPORT
PLM RESULTS

AAL

Friday, Jul 20 2018, 3:34 PM

American Asbestos Laboratories

REPORT

SENT CITY OF OCALA -P/W CIP**TO:** 1805 NW 30TH AVENUE, BUILDING 700
OCALA, FL 34470
RICHARD CASTILLO**Phone:** (352) 351-6767 **Fax:**
Email: rcastillo@ocalafl.orgThank you for your business.**PREPARED** AAL**BY:** Asbestos Department
5005 WEST LAUREL STREET
SUITE 110
TAMPA, FL 33607
NVLAP Lab Code 101775
(813) 287-1005**Analysis:** *Polarized Light Microscopy (PLM) with dispersion staining techniques according to the United States (US) Environmental Protection Agency (EPA) 'Method for the Determination of Asbestos in Bulk Building Materials', EPA/600/R-93-116, July 1993.***Sample Type:** BULK**# of Samples:** 118**Work Order#** T1807016**AAL Project#** 2018-4334**Project:** 1220 NW 4YH AVENUE**Date in:** Friday, July 13, 2018**Date out:** Friday, Jul 20 2018**Transported:** SCOTT EICKHOLT**Sampled by:** SCOTT EICKHOLT**Received by:** KIA

Authorized Analyst
KHANDAKER ANAM



Laboratory Manager
KHANDAKER ANAM

Due to the small size of asbestos fibers associated with vinyl floor tiles, TEM analysis is recommended for all floor tiles containing <1% or no detectable asbestos by visual estimation.

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This report shall not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports displaying NVLAP logo must have at least one signature to be valid.

The following analytical results presented in this report pertain only to the samples analyzed. American Asbestos Laboratories assumes no responsibility for whether the samples accurately represent the material in question

LABORATORY BULK SAMPLE ANALYSIS REPORT

CLIENT: CITY OF OCALA -P/W CIP
PROJECT: 1220 NW 4YH AVENUE
Work Order: T1807016

Asbestos analysis of bulk materials via EPA 600/R/93/116 Method using Polarized Light Microscopy (PLM).

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB FIBERS	
					CHRY	AMOS	CROC	TREM	ANTH	OTHER
01 A	KIA	WHITE GROUT ON RED 6"X6" CERAMIC TILE	OPERATIONAL ROOM	01	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
01 B	KIA	WHITE GROUT ON RED 6"X6" CERAMIC TILE	OPERATIONAL ROOM	02	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
01 C	KIA	WHITE GROUT ON RED 6"X6" CERAMIC TILE	OPERATIONAL ROOM	03	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
02 A	KIA	WHITE THIN SET ON RED 6"X6" CERAMIC TIL	OPERATIONAL ROOM	04	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
02 B	KIA	WHITE THIN SET ON RED 6"X6" CERAMIC TIL	OPERATIONAL ROOM	05	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
02 C	KIA	WHITE GROUT ON RED 6"X6" CERAMIC TILE	OPERATIONAL ROOM	06	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
03 A	KIA	GREY GROUT ON ORANGE 12"X12" CERAMIC	OPERATIONAL ROOM	07	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	

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CLIENT: CITY OF OCALA -PW CIP

PROJECT: 1220 NW 4YH AVENUE

Work Order: T1807016

LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB	
					CHRY	AMOS	CROC	TREM	ANTH	OTHER
03 B	KIA	GREY GROUT ON ORANGE 12"X12" CERAMIC	OPERATIONAL ROOM	08	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
03 C	KIA	GREY GROUT ON ORANGE 12"X12" CERAMIC	OPERATIONAL ROOM	09	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
04 A	KIA	GREY THIN SET ON ORANGE 12"X12" CERAMI	OPERATIONAL ROOM	10	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
04 B	KIA	GREY THIN SET ON ORANGE 12"X12" CERAMI	OPERATIONAL ROOM	11	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
04 C	KIA	GREY THIN SET ON ORANGE 12"X12" CERAMI	OPERATIONAL ROOM	12	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
05 A	KIA	GREY GROUT ON TAN 12"X12" CERAMIC TILE	OPERATIONAL ROOM	13	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
05 B	KIA	GREY GROUT ON TAN 12"X12" CERAMIC TILE	OPERATIONAL ROOM	14	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
05 C	KIA	GREY GROUT ON TAN 12"X12" CERAMIC TILE	OPERATIONAL ROOM	15	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	

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CLIENT: CITY OF OCALA -P/W CIP

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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS					%NON-ASB		
					CHRY	AMOS	CROC	TREM	ANTH	OTHER	NON FIB	FIBERS
06 A	KIA	GREY THIN SET ON TAN 12"X12" CERAMIC TI	OPERATIONAL ROOM	16								Cellulose: 1-2 Other: 98-99
06 B	KIA	GREY THIN SET ON TAN 12"X12" CERAMIC TI	OPERATIONAL ROOM	17								Cellulose: 1-2 Other: 98-99
06 C	KIA	GREY THIN SET ON TAN 12"X12" CERAMIC TI	OPERATIONAL ROOM	18								Cellulose: 1-2 Other: 98-99
07 A	KIA	TAN/GREY CERAMIC GROUT 6"X6" TILE	OPERATIONAL ROOM	19								Cellulose: 1-2 Other: 98-99
07 B	KIA	TAN/GREY CERAMIC GROUT 6"X6" TILE	OPERATIONAL ROOM	20								Cellulose: 1-2 Other: 98-99
07 C	KIA	TAN/GREY CERAMIC GROUT 6"X6" TILE	OPERATIONAL ROOM	21								Cellulose: 1-2 Other: 98-99
08 A	KIA	TAN/GREY CERAMIC THIN SET 6"X6" TILE	OPERATIONAL ROOM	22								Cellulose: 1-2 Other: 98-99
08 B	KIA	TAN/GREY CERAMIC THIN SET 6"X6" TILE	OPERATIONAL ROOM	23								Cellulose: 1-2 Other: 98-99

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CLIENT: CITY OF OCALA -P/W CIP

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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Exhibit D - Asbestos Report

CONTRACT# CIP/240354

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB	
					CHRY	AMOS	CROC	TREM	ANTH	OTHER
08 C	KIA	TAN/GREY CERAMIC THIN SET 6"X6" TILE	OPERATIONAL ROOM	24	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
09 A	KIA	CHARCOAL VINYL COVE BASE W/GLUE	OPERATIONAL ROOM	25	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
09 B	KIA	CHARCOAL VINYL COVE BASE W/GLUE	OPERATIONAL ROOM	26	NO ASBESTOS DETECTED IN CLEAR GLUE				Cellulose: 1-2 Other: 98-99	
09 C	KIA	CHARCOAL VINYL COVE BASE W/GLUE	OPERATIONAL ROOM	27	NO ASBESTOS DETECTED IN CLEAR GLUE				Cellulose: 1-2 Other: 98-99	
10 A	KIA	BROWN VINYL COVE BASE W/GLUE	OPERATIONAL ROOM	28	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
10 B	KIA	BROWN VINYL COVE BASE W/GLUE	OPERATIONAL ROOM	29	NO ASBESTOS DETECTED IN BEIGE GLUE				Cellulose: 1-2 Other: 98-99	

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CLIENT: CITY OF OCALA -P/W CIP

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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Exhibit D - Asbestos Report

CONTRACT# CIP/240354

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB	
					CHRY	AMOS	CROC	TREM	ANTH	OTHER
10 C	KIA	BROWN VINYL COVE BASE W/GLUE	OPERATIONAL ROOM	30	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
11 A	KIA	BLACK SINK UNDERCOAT	KITCHEN	31	2 - 5 NO ASBESTOS DETECTED IN BEIGE GLUE				Cellulose: 1-2 Other: 93- 97	
12 A	KIA	WHITE SKIM COAT	RESTROOM HALLWAY	32	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
12 B	KIA	WHITE SKIM COAT	RESTROOM HALLWAY	33	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
12 C	KIA	WHITE SKIM COAT	RESTROOM HALLWAY	34	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
13 A	KIA	GREY PLASTER	OPERATIONAL ROOM	35	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
13 B	KIA	GREY PLASTER	OPERATIONAL ROOM	36	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	

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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB	
					CHRY	AMOS	CROC	TREM	ANTH	OTHER
13 C	KIA	GREY PLASTER	OPERATIONAL ROOM	37	NO ASBESTOS DETECTED				Other: 98-99 Cellulose: 1-2	
14 A	KIA	GREY CONCRETE	DIGESTERS TANKS 1,2,3	38	NO ASBESTOS DETECTED				Other: 98-99 Cellulose: 1-2	
14 B	KIA	GREY CONCRETE	DIGESTERS TANKS 1,2,3	39	NO ASBESTOS DETECTED				Other: 98-99 Cellulose: 1-2	
14 C	KIA	GREY CONCRETE	DIGESTERS TANKS 1,2,3	40	NO ASBESTOS DETECTED				Other: 98-99 Cellulose: 1-2	
15 A	KIA	RED GASKET	DIGESTERS TANKS 1,2,3	41	NO ASBESTOS DETECTED				Other: 98-99 Cellulose: 1-2	
15 B	KIA	RED GASKET	DIGESTERS TANKS 1,2,3	42	NO ASBESTOS DETECTED				Other: 98-99 Cellulose: 1-2	
15 C	KIA	RED GASKET	DIGESTERS TANKS 1,2,3	43	NO ASBESTOS DETECTED				Other: 98-99 Cellulose: 1-2	
16 A	KIA	WHITE ATTACHMENT CAULK	DIGESTERS TANKS 1,2,3	44	NO ASBESTOS DETECTED				Other: 98-99 Cellulose: 1-2	

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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB			
					CHRY	AMOS	CROC	TREM	ANTH	OTHER	NON FIB	FIBERS
16 B	KIA	WHITE ATTACHMENT CAULK	DIGESTERS TANKS 1,2,3	45	2 - 5						Cellulose: 1-2	Other: 93- 97
16 C	KIA	WHITE ATTACHMENT CAULK	DIGESTERS TANKS 1,2,3	46	2 - 5						Cellulose: 1-2	Other: 93- 97
17 A	KIA	BEIGE ROUGH TEXTURE	DIGESTERS TANKS 1,2,3	47		NO ASBESTOS DETECTED					Cellulose: 1-2	Other: 98- 99
17 B	KIA	BEIGE ROUGH TEXTURE	DIGESTERS TANKS 1,2,3	48		NO ASBESTOS DETECTED					Cellulose: 1-2	Other: 98- 99
17 C	KIA	BEIGE ROUGH TEXTURE	DIGESTERS TANKS 1,2,3	49		NO ASBESTOS DETECTED					Cellulose: 1-2	Other: 98- 99
18 A	KIA	BLACK LID COVERS	LIDS	50		NO ASBESTOS DETECTED					Cellulose: 1-2	Other: 98- 99
18 B	KIA	BLACK LID COVERS	LIDS	51		NO ASBESTOS DETECTED					Cellulose: 1-2	Other: 98- 99
18 C	KIA	BLACK LID COVERS	LIDS	52		NO ASBESTOS DETECTED					Cellulose: 1-2	Other: 98- 99

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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB			
					CHRY	AMOS	CROC	TREM	ANTH	OTHER	NON FIB	FIBERS
19 A	KIA	GREY ROUGH TEXTURE	TRICLE FILTERS 1,2, 3	53			NO ASBESTOS DETECTED				Cellulose: 1-2	Other: 98- 99
19 B	KIA	GREY ROUGH TEXTURE	TRICLE FILTERS 1,2, 3	54			NO ASBESTOS DETECTED				Cellulose: 1-2	Other: 98- 99
19 C	KIA	GREY ROUGH TEXTURE	TRICLE FILTERS 1,2, 3	55			NO ASBESTOS DETECTED				Cellulose: 1-2	Other: 98- 99
20 A	KIA	GREY CONCRETE COLUMN	TRICLE FILTERS 1,2, 3	56			NO ASBESTOS DETECTED				Cellulose: 1-2	Other: 98- 99
20 B	KIA	GREY CONCRETE COLUMN	TRICLE FILTERS 1,2, 3	57			NO ASBESTOS DETECTED				Cellulose: 1-2	Other: 98- 99
20 C	KIA	GREY CONCRETE COLUMN	TRICLE FILTERS 1,2, 3	58			NO ASBESTOS DETECTED				Cellulose: 1-2	Other: 98- 99
21 A	KIA	GREY CONCRETE SLAB	LOADING DECK	59			NO ASBESTOS DETECTED				Cellulose: 1-2	Other: 98- 99
21 B	KIA	GREY CONCRETE SLAB	LOADING DECK	60			NO ASBESTOS DETECTED				Cellulose: 1-2	Other: 98- 99

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CLIENT: CITY OF OCALA -P/W CIP
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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB			
					CHRY	AMOS	CROC	TREM	ANTH	OTHER	NON FIB	FIBERS
21 C	KIA	GREY CONCRETE SLAB	LOADING DECK	61			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98-99
22 A	KIA	GREY CONCRETE W/TEXTURE	DOSING TANK	62			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98-99
22 B	KIA	GREY CONCRETE W/TEXTURE	DOSING TANK	63			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98-99
22 C	KIA	GREY CONCRETE W/TEXTURE	DOSING TANK	64			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98-99
23 A	KIA	GREY CONCRETE	2NDRY CLARIFIER 1,2,3	65			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98-99
23 B	KIA	GREY CONCRETE	2NDRY CLARIFIER 1,2,3	66			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98-99
23 C	KIA	GREY CONCRETE	2NDRY CLARIFIER 1,2,3	67			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98-99
24 A	KIA	GREY CONCRETE	MULTI MEDIA FILTER	68			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98-99

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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB	
					CHRY	AMOS	CROC	TREM	ANTH	OTHER
24 B	KIA	GREY CONCRETE	MULTI MEDIA FILTER	69	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
24 C	KIA	GREY CONCRETE	MULTI MEDIA FILTER	70	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
25 A	KIA	BLUE/GREY CONCRETE W/ POXY PAINT	CHLORINE CONTACT CHA	71	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
25 B	KIA	BLUE/GREY CONCRETE W/ POXY PAINT	CHLORINE CONTACT CHA	72	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
25 C	KIA	BLUE/GREY CONCRETE W/ POXY PAINT	CHLORINE CONTACT CHA	73	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
26 A	KIA	GREY CONCRETE SLAB	FIBERGLASS HUT	74	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
26 B	KIA	GREY CONCRETE SLAB	PUMPHOUSE	75	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
27 A	KIA	RED GASKET	PUMPHOUSE	76	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	

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CLIENT: CITY OF OCALA -P/W CIP
PROJECT: 1220 NW 4YH AVENUE
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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB	
					CHRY	AMOS	CROC	TREM	ANTH	OTHER
27 B	KIA	RED GASKET	PUMPHOUSE	77	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
27 C	KIA	RED GASKET	PUMPHOUSE	78	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
28 A	KIA	GREY CONCRETE	PRIMARY CLARIFIER 1, 2	79	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
28 B	KIA	GREY CONCRETE	PRIMARY CLARIFIER 1, 2	80	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
28 C	KIA	GREY CONCRETE	PRIMARY CLARIFIER 1, 2	81	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
29 A	KIA	BLACK GASKET	PRIMARY CLARIFIER 1, 2	82	NO ASBESTOS DETECTED				Other: 95- 98 Cellulose: 2- 5	
29 B	KIA	BLACK GASKET	PRIMARY CLARIFIER 1, 2	83	NO ASBESTOS DETECTED				Other: 95- 98 Cellulose: 2- 5	
29 C	KIA	BLACK GASKET	PRIMARY CLARIFIER 1, 2	84	NO ASBESTOS DETECTED				Other: 95- 98 Cellulose: 2- 5	

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PROJECT: 1220 NW 4TH AVENUE
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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB	
					CHRY	AMOS	CROC	TREM	ANTH	OTHER
30 A	KIA	GREY CONCRETE	SPLITTER BOX	85	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
30 B	KIA	GREY CONCRETE	SPLITTER BOX	86	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
31 A	KIA	GREY CONCRETE SLAB	NORTH CORNER PAD	87	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
32 A	KIA	GREY CONCRETE	HARDWORK STRUCTURE	88	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
32 B	KIA	GREY CONCRETE	HARDWORK STRUCTURE	89	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
33 A	KIA	BLACK GASKET	HARDWORK STRUCTURE	90	NO ASBESTOS DETECTED				Other: 95- 98 Cellulose: 2- 5	
34 A	KIA	GREY CONCRETE	ODOR CONTROL UNIT	91	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	
34 B	KIA	GREY CONCRETE	HUMIDIFICATION CENTER	92	NO ASBESTOS DETECTED				Other: 98- 99 Cellulose: 1- 2	

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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB			
					CHRY	AMOS	CROC	TREM	ANTH	OTHER	NON FIB	FIBERS
35 A	KIA	WHITE/GREY CONCRETE W/ ROUGH TEXTUR	MULCH PAD	93			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98- 99
36 A	KIA	GREY CONCRETE W/ ROUGH TEXTURE	TRIDDLE FILTER #4	94			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98- 99
36 B	KIA	GREY CONCRETE W/ ROUGH TEXTURE	TRIDDLE FILTER #4	95			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98- 99
36 C	KIA	GREY CONCRETE W/ ROUGH TEXTURE	TRIDDLE FILTER #4	96			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98- 99
37 A	KIA	GREY CONCRETE BLOCK	ALUMINIUM SULFATE TAN	97			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98- 99
37 B	KIA	GREY CONCRETE BLOCK	ALUMINIUM SULFATE TAN	98			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98- 99
38 A	KIA	WHITE CONCRETE ROUGH TEXTURE	ODOR CONTROL UNIT	99			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98- 99
38 B	KIA	WHITE CONCRETE ROUGH TEXTURE	ODOR CONTROL UNIT	100			NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98- 99

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LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Exhibit D - Asbestos Report

CONTRACT# CIP/240354

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB FIBERS	
					CHRY	AMOS	CROC	TREM	ANTH	OTHER
39 A	KIA	GREY CONCRETE	PUMPSTATION	101	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
39 B	KIA	GREY CONCRETE	PUMPSTATION	102	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
40 A	KIA	RED GASKET	PUMPSTATION	103	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98-99	
41 A	KIA	WHITE 2'X4' CEILING TILE	ADMINISTRATION BLDG	104	NO ASBESTOS DETECTED				Glass: 30-35 Cellulose: 30-35 Other: 30-40	
41 B	KIA	WHITE 2'X4' CEILING TILE	STORAGE MAINT. BLDG	105	NO ASBESTOS DETECTED				Glass: 30-35 Cellulose: 30-35 Other: 30-40	
41 C	KIA	WHITE 2'X4' CEILING TILE	STORAGE MAINT. BLDG	106	NO ASBESTOS DETECTED				Glass: 30-35 Cellulose: 30-35 Other: 30-40	

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PROJECT: 1220 NW 4YH AVENUE
Work Order: T1807016

LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Exhibit D - Asbestos Report

CONTRACT# CIP/240354

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB FIBERS				
					CHRY	AMOS	CROC	TREM	ANTH	OTHER	NON FIB	FIBERS	
42 A	KIA	WHITE DRYWALL SYSTEM Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND	STORAGE MAINT. BLDG	107			NO ASBESTOS DETECTED						Glass: 2- 5 Cellulose: 10- 15 Other: 80- 88
42 B	KIA	WHITE DRYWALL SYSTEM Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND	STORAGE MAINT. BLDG	108			NO ASBESTOS DETECTED						Glass: 2- 5 Cellulose: 10- 15 Other: 80- 88
42 C	KIA	WHITE DRYWALL SYSTEM Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND	STORAGE MAINT. BLDG	109			NO ASBESTOS DETECTED						Glass: 2- 5 Cellulose: 10- 15 Other: 80- 88
43 A	KIA	WHITE HVAC MASTIC	MAINTENANCE BLDG	110			NO ASBESTOS DETECTED						Cellulose: 1- 2 Other: 98- 99
44 A	KIA	GREY VCB W/ GLUE	MAINTENANCE BLDG	111			NO ASBESTOS DETECTED						Cellulose: 1- 2 Other: 98- 99
44 B	KIA	GREY VCB W/ GLUE	MAINTENANCE BLDG	112			NO ASBESTOS DETECTED						Cellulose: 1- 2 Other: 98- 99

Report Continued on Next Page

CLIENT: CITY OF OCALA -P/W CIP
PROJECT: 1220 NW 4YH AVENUE
Work Order: T1807016

LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

Dash No.	ANA	DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS				%NON-ASB	
					CHRY	AMOS	CROC	TREM	ANTH	OTHER
44 C	KIA	GREY VCB W/ GLUE	MAINTENANCE BLDG	113	NO ASBESTOS DETECTED				Cellulose: 1-2 Other: 98- 99	
NO ASBESTOS DETECTED IN BEIGE GLUUE										
45 A	KIA	BLACK FIELD MEMBRANE	MULTIMEDIA ROOF	114	NO ASBESTOS DETECTED				Glass: 10- 15 Other: 85- 90	
45 B	KIA	BLACK FIELD MEMBRANE	MULTI MEDIA FILTER	115	NO ASBESTOS DETECTED				Glass: 10- 15 Other: 85- 90	
45 C	KIA	BLACK FIELD MEMBRANE	MULTI MEDIA FILTER	116	NO ASBESTOS DETECTED				Glass: 10- 15 Other: 85- 90	
46 A	KIA	PINK/GREY CONCRETE	GENERATOR ROOM	117	NO ASBESTOS DETECTED				Cellulose: 1- 2 Other: 98- 99	
46 B	KIA	PINK/GREY CONCRETE	GENERATOR ROOM	118	NO ASBESTOS DETECTED				Cellulose: 1- 2 Other: 98- 99	

Quality Control Officer

Analytical results pertain only to the sample(s) analyzed. All Samples analyzed were acceptable for analysis.

ABBREVIATIONS: ANA = Analyst; ASB = Asbestos; CHRY = Chrysofile; AMOS = Amosite; CROC = Crocidolite; TERM = Term/Act; ANTH = Anthophyllite; ACT = Actinolite; AL = Aluminum; BLK = Black; BACK = Backing; BL = Blue; BRN = Brown; C = Cellulose; CALC = Calcareous; CPT = Carpet; CTL = Ceiling Tile; CEM = Cement; COV = Cover; DEB = Debris; FG = Fiberglass; FIB = Fibrous; MAS = Mastic; MAT = Material; MIC = Micaceous; MW = Mineral Wool; ORG = Orange; PAI = Paint; PAP = Paper; PL = Plaster; PLAS = Plastic; PWDR = Powder; RCF = Refractory Ceramic Fiber; RUB = Rubber; SIL = Silver; SR = Sheet Rock; S = Synthetic; SUB = Substance; TEXT = Textured; TR = Trace; TRAN = Transite; TREM = Tremolite; VERM = Vermiculite; VYL = Vinyl; W = Wollastonite; WH = White; YEL = Yellow.

71807016



American Asbestos Laboratories
5005 West Laurel Street, Suite 110
Tampa, Florida 33607

BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: City of Ocala

PROJECT: 1220 N.W. 4th Avenue

CLIENT CONTACT: Mr. Richard Castillo

PROJECT NUMBER: 2018-4334

DATE COLLECTED: 7-12-18

BILL GROUP/PHASE: _____

DATE SENT: _____

DATE VERBAL NEEDED: _____

STOP AT FIRST POSITIVE: Y N (circle one)

DATE WRITTEN NEEDED: _____

SAMPLE PREFIX _____

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>01</u>	<u>Red/white</u>	<u>ceramic Grout (6"x6") tile</u>	<u>operational room</u>
2. <u>02</u>			
3. <u>03</u>			
4. <u>04</u>	<u>Red/white</u>	<u>ceramic thinset 6"x6" tile</u>	
5. <u>05</u>			
6. <u>06</u>			
7. <u>07</u>	<u>orange/grey</u>	<u>ceramic grout 12"x12" tile</u>	
8. <u>08</u>			
9. <u>09</u>			
10. <u>10</u>	<u>tan</u>	<u>ceramic thinset 12"x12" tile</u>	
11. <u>11</u>			
12. <u>12</u>			
13. <u>13</u>	<u>Grey/tan</u>	<u>ceramic grout 12"x12" tile</u>	
14. <u>14</u>			
15. <u>15</u>			
16. <u>16</u>		<u>ceramic thinset 12"x12" tile</u>	
17. <u>17</u>			
18. <u>18</u>			
19. <u>19</u>	<u>tan/grey</u>	<u>ceramic Grout 6"x6" tile</u>	
20. <u>20</u>			
21. <u>21</u>			

CHAIN OF CUSTODY:
DATE/TIME

PRINT NAME/SIGNATURE

PURPOSE

7-12-18

Scott Eickholt Scott EG

C T A
 C T A
 C T A

C= Collection T= Transportation A= Analysis

RECEIVED
JUL 13 2018

BY: [Signature]

71801016



CONTINUATION OF BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: City of Ocala

PROJECT NUMBER: 2018-4334

SAMPLE PREFIX _____

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. 22	Tan/grey	Ceramic thinset 6"x6" tile	Operational Room
2. 23			
3. 24			
4. 25	Charcoal	UCB with glue	
5. 26			
6. 27			
7. 28	Brown	UCB with glue	
8. 29			
9. 30			
10. 31	Black	sink undercoat	Kitchen
11. 32	white	SKim coat	Restroom hallway
12. 33			
13. 34			
14. 35	Grey	Plaster	
15. 36			
16. 37			
17.			
18.			
19.			
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CHAIN OF CUSTODY:

DATE/TIME

7-12-18

PRINT NAME/SIGNATURE

Scott Eickholt [Signature]

PURPOSE

CTA CTA CTA

C= Collection T= Transportation A= Analysis

RECEIVED JUL 13 2018 BY: [Signature]



CONTINUATION OF
BULK TRANSMITTAL FORM
CHAIN OF CUSTODY

CLIENT: City of Ocala

PROJECT NUMBER: 2018-4334

SAMPLE PREFIX _____

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>38</u>	<u>Grey</u>	<u>Concrete</u>	<u>Digester tanks</u>
2. <u>39</u>			
3. <u>40</u>			<u>1,2,3</u>
4. <u>41</u>	<u>Red</u>	<u>Gasket</u>	
5. <u>42</u>			
6. <u>43</u>			
7. <u>44</u>	<u>White</u>	<u>Attachment Caulk</u>	
8. <u>45</u>			
9. <u>46</u>			
10. <u>47</u>	<u>Beige</u>	<u>Rough texture</u>	
11. <u>48</u>			
12. <u>49</u>			
13. <u>50</u>	<u>Black</u>	<u>lid covers</u>	<u>lids</u>
14. <u>51</u>			
15. <u>52</u>			
16.			
17.			
18.			
19.			
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21.			
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CHAIN OF CUSTODY:

DATE/TIME

7-12-18

PRINT NAME/SIGNATURE

Scott Eiddholt Scott E

PURPOSE

CTA
CTA
CTA

C= Collection T= Transportation A= Analysis

RECEIVED
JUL 13 2018

BY: _____



CONTINUATION OF
BULK TRANSMITTAL FORM
CHAIN OF CUSTODY

CLIENT: City of Ocala

PROJECT NUMBER: 2018-4334

SAMPLE PREFIX _____

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. 53	Grey	Rough texture	Trickle Filters 1,2,3
2. 54			
3. 55			
4. 56		concrete column	
5. 57			
6. 58			
7. 59	Grey	Concrete slab	loading dock
8. 60			
9. 61			
10. 62	Grey	Concrete with texture	Dosing tank
11. 63			
12. 64			
13. 65	Grey	Concrete	Secondary clarifier 1,2,3
14. 66			
15. 67			
16.			
17.			
18.			
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CHAIN OF CUSTODY:

DATE/TIME

7/12/18

PRINT NAME/SIGNATURE

Scott Eickholt Scott Eickholt

PURPOSE

CTA
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C= Collection T= Transportation A= Analysis

RECEIVED
JUL 13 2018



CONTINUATION OF
BULK TRANSMITTAL FORM
CHAIN OF CUSTODY

CLIENT: City of Ocala

PROJECT NUMBER: 2018-4334

SAMPLE PREFIX _____

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>68</u>	<u>Grey</u>	<u>concrete</u>	<u>Multi media Filter</u>
2. <u>69</u>	<u> </u>	<u> </u>	<u> </u>
3. <u>70</u>	<u> </u>	<u> </u>	<u> </u>
4. <u>71</u>	<u>Blue/Grey</u>	<u>Concrete with Epoxy Paint</u>	<u>Chlorine Contact chamber</u>
5. <u>72</u>	<u> </u>	<u> </u>	<u> </u>
6. <u>73</u>	<u> </u>	<u> </u>	<u> </u>
7. <u>74</u>	<u>Grey</u>	<u>Concrete slab</u>	<u>Fiber glass hut</u>
8. <u>75</u>	<u>Grey</u>	<u>Concrete slab</u>	<u>Pumphouse</u>
9. <u>76</u>	<u>Red</u>	<u>Gasket</u>	<u> </u>
10. <u>77</u>	<u> </u>	<u> </u>	<u> </u>
11. <u>78</u>	<u> </u>	<u> </u>	<u> </u>
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CHAIN OF CUSTODY:

DATE/TIME

7-12-18

PRINT NAME/SIGNATURE

Scott Eichholtz

PURPOSE

CTA
CTA
CTA

C= Collection T= Transportation A= Analysis

RECEIVED
JUL 13 2018

BY: [Signature]

71807016



CONTINUATION OF BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: City of Ocala

PROJECT NUMBER: 2018-4334

SAMPLE PREFIX _____

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. 79	Grey	Concrete	Primary Clarifier 1, 2
2. 80			
3. 81			
4. 82	Black	Gasket	
5. 83			
6. 84			
7. 85	Grey	Concrete	Splitter box
8. 86			
9. 87		Concrete slab	North corner pad
10. 88		concrete	Handwork structure
11. 89			
12. 90	Black	Gasket	
13. 91	Grey	Concrete	Odor Control Unit
14. 92		concrete	Humidification Center
15. 93	White/Grey	concrete with rough texture	Mulch pad
16. 94	Grey	concrete with rough texture	Trickle Filter #4
17. 95			
18. 96			
19.			
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CHAIN OF CUSTODY:

DATE/TIME
7/12/18

PRINT NAME/SIGNATURE
Scott Eickholt [Signature]

PURPOSE
C T A
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C T A

C= Collection T= Transportation A= Analysis

RECEIVED
JUL 13 2018
BY: [Signature]

7-18-2016



CONTINUATION OF BULK TRANSMITTAL FORM CHAIN OF CUSTODY

CLIENT: City of Ocala

PROJECT NUMBER: 2018-4334

SAMPLE PREFIX _____

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. 97	Grey	Concrete block	Aluminum Sulfate tank
2. 98			
3. 99	white	concrete rough texture	odor control unit
4. 100			
5. 101	Grey	Concrete	Pump Station
6. 102			
7. 103	Red	Bucket	
8. 104	white	C.T. 2'x4'	Administration Building
9. 105			Storage, Maintenance Bldg.
10. 106			
11. 107	white	Drywall system	
12. 108			
13. 109			
14. 110	white	HVAC mastic	Maintenance Building
15. 111	Grey	UCB with glue	
16. 112			
17. 113			
18. 114	Black	Field membrane	Multi Media Roof
19. 115			
20. 116			
21. 117	pink/grey	concrete	Generator room
22. 118			
23.			
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CHAIN OF CUSTODY:

DATE/TIME

PRINT NAME/SIGNATURE

PURPOSE

7-13-18

Scott Eickholt Scott S

C T A
C T A
C T A

C= Collection T= Transportation A= Analysis

JUL 13 2018
BY: [Signature]

AAL

American Asbestos Laboratories

Monday, Sep 10 2018, 10:35 AM

REPORT

SENT CITY OF OCALA -P/W CIP**TO:** 1805 NW 30TH AVENUE, BUILDING 1000
OCALA, FL 34470
RICHARD CASTILLO**Phone:** (352) 351-6767 **Fax:**
Email: rcastillo@ocalafl.orgThank you for your business.**PREPARED** AAL**BY:** Asbestos Department
5005 WEST LAUREL STREET
SUITE 110
TAMPA, FL 33607
NVLAP Lab Code 101775
(813) 287-1005

Analysis: Polarized Light Microscopy (PLM) with dispersion staining techniques according to the United States (US) Environmental Protection Agency (EPA) 'Method for the Determination of Asbestos in Bulk Building Materials', EPA/600/R-93-116, July 1993.

Sample Type: BULK**# of Samples:** 1**Work Order#** T1809009**AAL Project#** 2018-4334**Project:** WATER RECOMPLITION FACILITY**Date in:** Monday, September 10, 2018**Date out:** Monday, Sep 10 2018**Transported:** CHRIS ARNOLD**Sampled by:** MIKE REID**Received by:** KIA

Authorized Analyst
KHANDAKER ANAM



Laboratory Manager
KHANDAKER ANAM

Due to the small size of asbestos fibers associated with vinyl floor tiles, TEM analysis is recommended for all floor tiles containing <1% or no detectable asbestos by visual estimation.

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This report shall not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports displaying NVLAP logo must have at least one signature to be valid.

The following analytical results presented in this report pertain only to the samples analyzed. American Asbestos Laboratories assumes no responsibility for whether the samples accurately represent the material in question

LABORATORY BULK SAMPLE ANALYSIS REPORT

CLIENT: CITY OF OCALA -P/W CIP
PROJECT: WATER RECOMPLETION FACILITY
Work Order: T1809009

Asbestos analysis of bulk materials via EPA 600/R/93/116 Method using Polarized Light Microscopy (PLM).

Dash No.	ANA DESCRIPTION	LOCATION	Sample No.	PERCENT ASBESTOS FIBERS					%NON-ASB FIBERS
				CHRY	AMOS	CROC	TREM	ANTH	
01 A	KIA BLACK EXPANSION JOINT	WATER TOWRE JOINT	091018CA-01	NO ASBESTOS DETECTED					Cellulose: 1-2 Other: 98- 99



Quality Control Officer

Analytical results pertain only to the sample(s) analyzed. All Samples analyzed were acceptable for analysis.

- ABBREVIATIONS:
- ANA = Analyst; ASB = Asbestos; CHRY = Chrysotile; AMOS = Amosite; CROC = Crocidolite; TERM = Term/Act; ANTH = Anthophyllite;
 - ACT = Actinolite; AL = Aluminum; BLK = Black; BACK = Backing; BL = Blue; BRN = Brown; C = Cellulose; CALC = Calcareous; CPT = Carpet; CTL = Ceiling Tile;
 - CEM = Cement; COV = Cover; DEB = Debris; FG = Fiberglass; FIB = Fibrous; MAS = Mastic; MAT = Material; MIC = Micaceous; MW = Mineral Wool; ORG = Orange;
 - PAI = Paint; PAP = Paper; PL = Plaster; PLAS = Plastic; PWDR = Powder; RCF = Refractory Ceramic Fiber; RUB = Rubber; SIL = Silver; SR = Sheet Rock; S = Synthetic;
 - SUB = Substance; TEXT = Textured; TR = Trace; TRAN = Transite; TREM = Tremolite; VERM = Vermiculite; VYL = Vinyl; W = Wollastonite; WH = White; YEL = Yellow.



American Asbestos Laboratories
5005 West Laurel Street, Suite 110
Tampa, Florida 33607

BULK TRANSMITTAL FORM CHAIN OF CUSTODY

WRF WATER PLANT

CLIENT: City of Ocala

PROJECT: 2018-4334

CLIENT CONTACT: Rick Castillo

PROJECT NUMBER: _____

DATE COLLECTED: 9/7/18

BILL GROUP/PHASE: _____

DATE SENT: 9/10/18

DATE VERBAL NEEDED: 9/10/18

STOP AT FIRST POSITIVE: N (circle one)

DATE WRITTEN NEEDED: 9/10/18

SAMPLE PREFIX 091018CA

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. <u>01</u>	<u>Black</u>	<u>Expansion joint</u>	<u>WATER TOWER JOINT</u>
2.			
3.			
4.			
5.			
6.			
7.			
8.			
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14.			
15.			
16.			
17.			
18.			
19.			
20.			

CHAIN OF CUSTODY:

DATE/TIME
9/7/18
9/10/18

PRINT NAME/SIGNATURE
Michael Reed
Christian Arnold

PURPOSE

C T A
 C T A
 C T A

C= Collection T= Transportation A= Analysis

RECEIVED
 SEP 10 2018

BY:

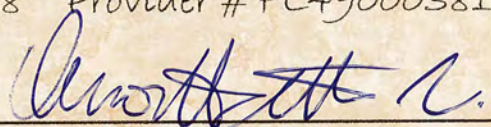
APPENDIX D
CERTIFICATES

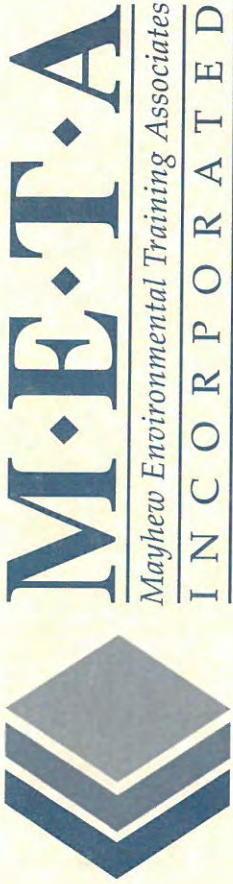
Vern Roberts Environmental Training, Inc.
13987 94th Avenue N Seminole, FL 33776
727-593-3067
Asbestos Survey & Mechanical (Inspector) Initial
Training

This is to certify that
Scott A. Eickholt

Training was in accordance with Title II of TSCA, 40 CFR Part
763. Appendix C to Subpart E as revised
Date of Examination 5/9/2018

Date of Course: 5/7/2018-5/9/2018
Expiration Date 5/9/2019
Certificate # 05091801
Course # FL490006318 Provider # FL490003810


Instructor



Certificate # ME4B9C67E6EF664F3

Randy Alonso

has on 3/15/2018, in Tampa, FL completed the requirements for asbestos accreditation under Section 206 of TSCA Title II, 15 USC 2646

4-hr. Asbestos Building Inspector Refresher

as approved by FL and the US EPA under 40 CFR 763 (AHERA) from 3/15/2018 to 3/15/2018 and passed the associated exam on 3/15/2018 with a score of at least 70%



Dean C. Althage

Dean Althage
Instructor

Thomas Mayhew

Thomas Mayhew
President

Training Provider #: FL49-0001221
Course #: 180315ASBIRFL781

SSN: XXX-XX-4421
Expiration: 3/15/2019

P.O. Box 786 - Lawrence, KS. 66044 - 800.444.6382
www.metaenvironmental.net

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101775-0

American Asbestos Laboratories, Inc.
Tampa, FL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2018-04-01 through 2019-03-31

Effective Dates



John S. Lamm

For the National Voluntary Laboratory Accreditation Program



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

Exhibit D - Asbestos Report

CONTRACT# CIP/240354

ASBESTOS LICENSING UNIT
 2601 BLAIR STONE ROAD
 TALLAHASSEE FL 32399-0783

(850) 487-1395

SALL, JAY WALTER
 EE & G ENVIRONMENTAL SERVICES LLC
 5751 MIAMI LAKES DRIVE
 MIAMI LAKES FL 33014

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbecue restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

LICENSE NUMBER	
AX0000011	

The ASBESTOS CONSULTANT
 Named below IS LICENSED
 Under the provisions of Chapter 469 FS.
 Expiration date: NOV 30, 2018



SALL, JAY WALTER
 EE & G ENVIRONMENTAL SERVICES LLC
 2922 FLAMINGO DRIVE
 MIAMI BEACH FL 33140

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT**

THE ASBESTOS BUSINESS ORGANIZATION HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

EE & G ENVIRONMENTAL SERVICES LLC

JAY W SALL
5751 MIAMI LAKES DRIVE EAST
MIAMI LAKES FL 33014

LICENSE NUMBER: ZA344

EXPIRATION DATE: NOVEMBER 30, 2019

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