

PART III

APPLICATION FOR REGISTRATION

TYPE V MUNICIPAL SOLID WASTE FACILITY

CROCKETT, TEXAS

MSW REGISTRATION NO.

PINEY WOODS SANITATION

517 NORTH HWY 69

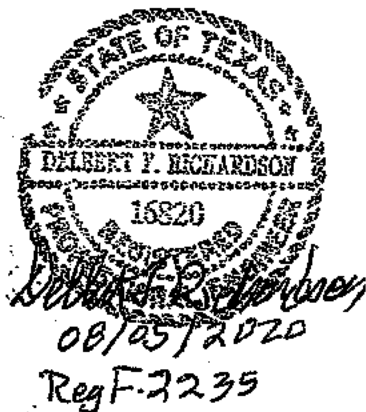
P.O. BOX 1417

HUNTINGTON, TEXAS 75949

ANGELINA COUNTY, TEXAS

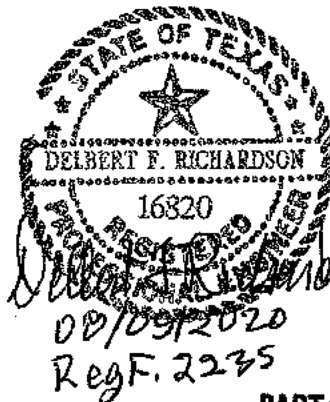
936.876.5640

27AUG2020



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Delbert F. Richardson
08/05/2020
Reg. F. 2235

330.63 Contents of Part III of the application

(a) The Site Development Plan includes criteria used in the selection and design of the proposed facility that will provide for safeguarding health, welfare, and physical property of individuals. This criteria includes geology, soil condition, drainage, land use, zoning, adequacy of access roads and other considerations specific to the proposed facility.

Although no facility is operational at present, this site is owned by the City of Crockett, Texas, and was used as a transfer station, recycle facility and a compost/mulch site for green waste. They operated this facility for many years. Because of the time the City used this facility and the fact it was used as a transfer station, the area has been developed to support this type of industry. Roads were constructed and used by the equipment necessary for this industry. Buildings and facilities were constructed to be used to facilitate the waste business. The City made a mistake on their registration. The registration specifically named residential waste to be disposed in the facility. For some reason the commercial waste was not specified in the registration, thus the TCEQ stopped the City from dumping this stream in the facility. This made the City have to drive the commercial truck over a 100 mile round trip to a TCEQ permitted facility for disposal. When the City attempted to change the waste stream, the TCEQ said the City had to construct a building over the existing site. The cost for this project was over \$250,000 and the City made the decision not to pursue this any further. The City stopped operation at this facility and contracted the waste service to the private sector. Piney Woods Sanitation has obtained this contract and by contract must register a transfer station for our use, but more important, a site for the public to use.

The land use of this area is light commercial and a residential area. There are some areas used as pasture but not any farming. There are 5 houses and 2 commercial establishments within 500 feet of this site. These structures existed during the years the City operated a facility. The site is completely fenced. The east side also has a 15 foot railroad berm that runs the full length of the property on the north northeast. No access to the site is available except for the main gate on the south side of the facility.

In Part II is a full, complete soil study. It is provided by the USDA. This site has had over the many years the City operated the facility, a lot of dirt moved, areas filled to direct proper storm drainage, buildings constructed, and regular business practice conducted. The location for this transfer facility is on an area that is flat, at a high point, and covered with grass. The site for this facility sits in the middle of all previous activities and thus will be compatible with the soil composition.

This facility is located on Navarro Rd, also known as FM 229 and E. Pease. This is a major intercity road for Crockett. This road was used for traffic to this site for many years. The street is maintained for this use and will not present a problem for city or county street maintenance. All highways and main roads in Crockett have easy access to Pease Rd. The City is only approximately 1 ½ miles across the east/west axis so the site is easily approached from any point in the City.

There is no zoning, either city or county that has any effect on this site. Houston County and Crockett both support this facility being located at this site.

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The support from the county and city pertain to the health, welfare and needs of the population. There was for a while, a facility operated by the previous contractor that the public used to dispose of waste from their homes and businesses. This facility was located outside the city limits. For some reason, this site was closed to the public and has not been opened for over a year. This closed facility has ownership issues and a closed landfill involved, so to do anything with this site presents obstacles that can't be overcome. This has caused unneeded stress on the public to locate a disposal facility and on the local governments to clean the rural roadside after illegal dumping. Local businesses have also been troubled by illegal dumping in private commercial containers. This facility is very important to Crockett and Houston County.

Piney Woods Sanitation is a family owned solid waste service provider in the 24th of operation. The company operates approximately 60 vehicles and employees over 140 people. The owner of the company has a class "A" certificate from the TCEQ. The district manager holds a class "A" certificate and the municipal/transfer station manager holds a class "B" certificate from the TCEQ. Piney Woods Sanitation is quite capable to follow all TCEQ guidelines and operate this facility with the professionalism expected from the TCEQ.

(b) General facility design

(1) Facility Access. This facility was operated as a transfer station, recycle and compost/mulching facility for many years by the City of Crockett. The City installed 6 foot chain link fencing on all four sides of the property. See diagram (Pg 8). This fencing still is in place and in good working order, providing security on entire site. A railroad track runs on the east side of the property and is constructed on a 15 foot berm. See diagram (Pg 9)) The access to the property is only available by the main gate. This is located on the south side of the property. See diagram (Pg 10).

This site is fully secure and poses no threat for uncontrolled illegal disposal or unauthorized entry.

(2) Waste movement

(A) Flow diagram of facility operation. See diagram (Pg 11). This facility will be a simple operational transfer station. The structure is approximately 2100 square feet with the tipping floor and the receiving area completely enclosed. The waste will be brought in by a vehicle that enters the front of the building through an overhead door. The waste is then transferred from the vehicle to the tipping floor or directly into the receiving trailer. When the trailer is full, it will be transported to a TCEQ permitted disposal facility.

(B) Drawings showing various phases of operation. See diagram (Pg 12). This operation does not involve any difficult or complex task. This is a simple operation where the waste vehicle, garbage truck or private car or pickup, backs through the overhead door and deposits the waste on the tipping floor or directly in the trailer. There is no separation or special processing of any waste. All MSW is processed into the receiving trailer and transported to a TCEQ permitted facility.

(C) Proper ventilation and odor control will be accomplished by the design and construction of the facility. Each side wall of the building will have a ventilation fan designed for proper air flow to insure the right air movement will be achieved to maintain a safe work environment. The company that supplies the structure will calculate and provide the proper size of the air movement system. The odor control will be maintained by the structure itself. The facility will be completely enclosed with all waste being inside. Waste removal will occur in a timely manner that will keep odor to a minimum and inside the facility. Electric overhead doors will be used to assure the facility will be completely shut at non-operating hours.

(D) Generalized construction details. This facility will be constructed as a metal building over a slab foundation. The metal building will have a roof line covering the entire site. The front of the facility will have an overhead door for entering the tipping floor. The slab will be 8 inches thick and will be in two elevations. The front of the slab known as the tipping floor will be at an elevation 14 feet higher than the area that will house the receiving trailer. This elevation change is to permit the waste dumped on the tipping floor to be loaded into the receiving trailer.

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There will be overhead doors on each end of the lower level. These can be opened for access to move the receiving trailer in and out of the facility. These doors will also give access to clean around the equipment. The site will be plumbed so water from the tipping floor can be put in the sanitary sewer. Fresh water will be in the building to provide employees will sanitary facilities.

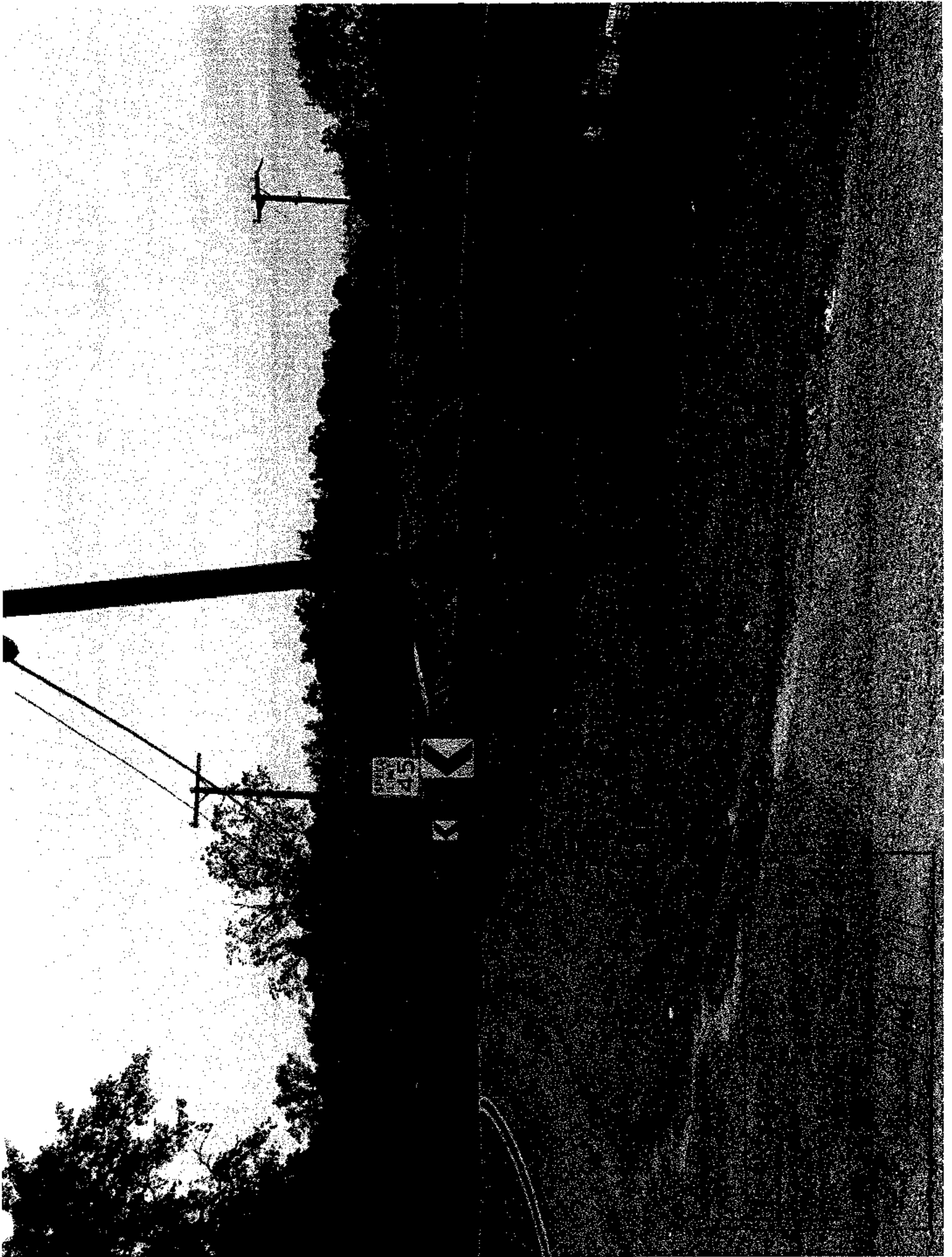
(E) Generalized construction of slab. The tipping floor slab will be constructed 8 inches in depth. The front of the slab will be ground level. The tipping floor will be 40' X 40'. A 14' drop wall will fall from the tipping floor to the receiver floor. The drop will be to the floor where the transfer trailer will be housed in position for filling. The 14' wall will be 12" thick with engineered footings and substantial rebar for strength. The floor to hold the trailer will be 15' X 55'. All cement will be at 3500 psi for strength. Drawing on Pg 14-A.

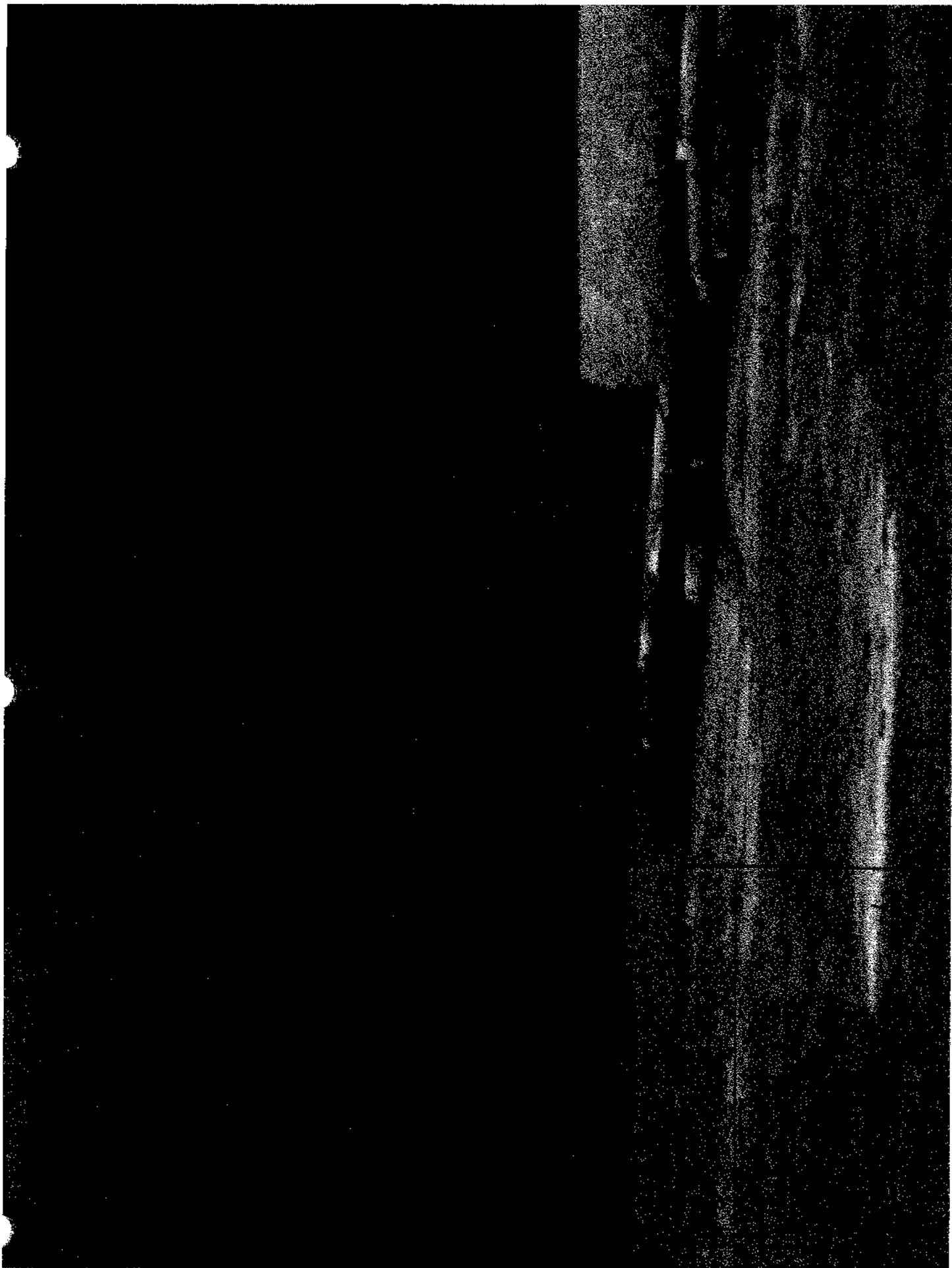
(F) Location and engineering design details. See (Pg 13, 13A, 14, 14A)

(G) There are no plans for any storage of grease, oil or sludge at this facility.

(H) Any liquid produced or collected at this facility will be disposed of in a manner that utilizes the sanitary sewer system provided by the City of Crockett. A sewer line is located on this track of land and this facility will be tied into it. This line is shown in the facility design.

(I) Noise pollution will be controlled by the structure of the facility. All waste activities will be inside the building. Because of the low volume of truck traffic and waste disposal expected at this site, the creation of noise will be at a minimum.







WASTE FLOW DIAGRAM

WASTE MOVED TO STATIONARY COMPACTOR

WASTE DEPOSITED ON TIPPING FLOOR

WASTE WILL ENTER THROUGH OVERHEAD DOOR

ROLL OFF TRUCK LOADS FULL CONTAINER

WASTE IS MOVED ALONG THIS ROAD TO BE TRANSPORTED TO TCEQ PERMITTED DISPOSAL FACILITY

NAVARRO RD

PEASE RD

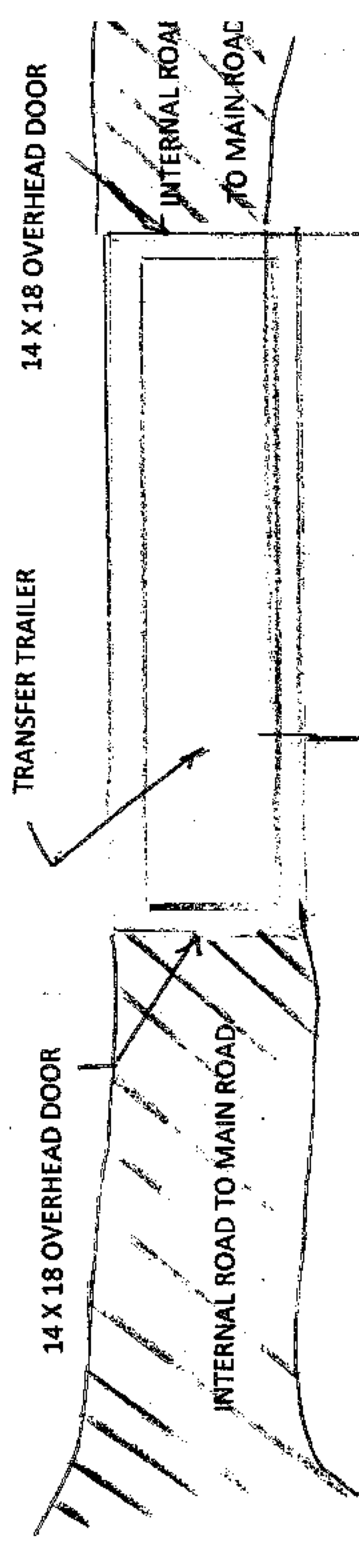
PART III

PG 11

21NEY WOODS SANITATION
ROCKETT TRANSFER STATION

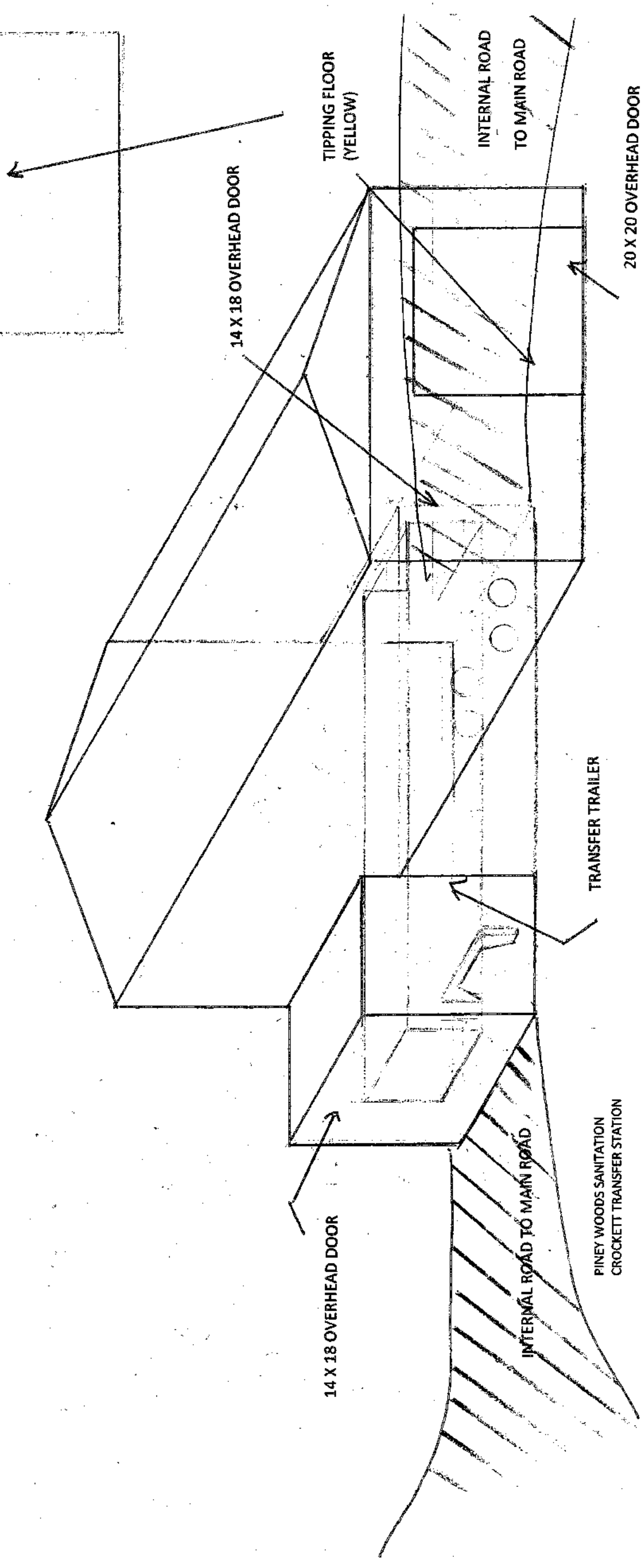
WASTE Flow Diagram

REFERENCE:
PREPARED BY JAMES R HUBBARD
SW0005219
DATE: MAY 15 2020
REVISION:
PG 11



MOVEMENT OF WASTE

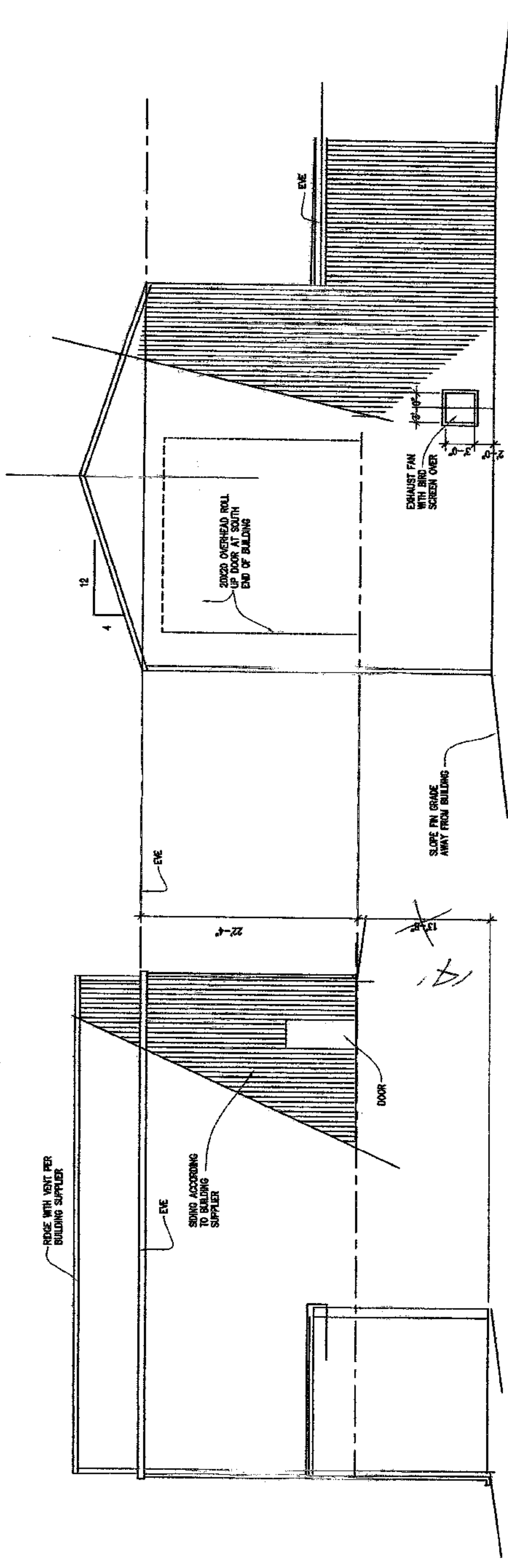
THE TRANSFER TRAILER WILL BE PULLED THROUGH LOADING AREA AND PUT IN POSITION TO BE LOADED. THE WASTE WILL BE UNLOADED ON THE TIPPING FLOOR TO BE PLACED IN THE TRAILER. WHEN THE TRAILER IS LOADED IT WILL BE MOVED OUT OF THE BUILDING ALONG THE INTERNAL ROADWAY TO THE MAIN ROAD WAY. IT WILL BE TRANSPORTED TO A TCEQ PERMITTED FACILITY.



PINEY WOODS SANITATION
CROCKETT TRANSFER STATION

MOVEMENT OF WASTE

REFERENCE
PREPARED BY JAMES R. HUBBARD



WEST ELEVATION

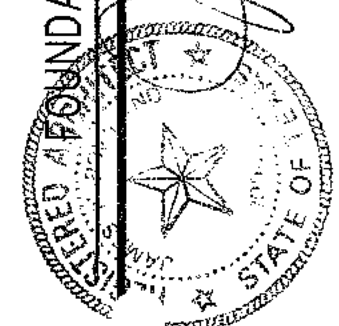
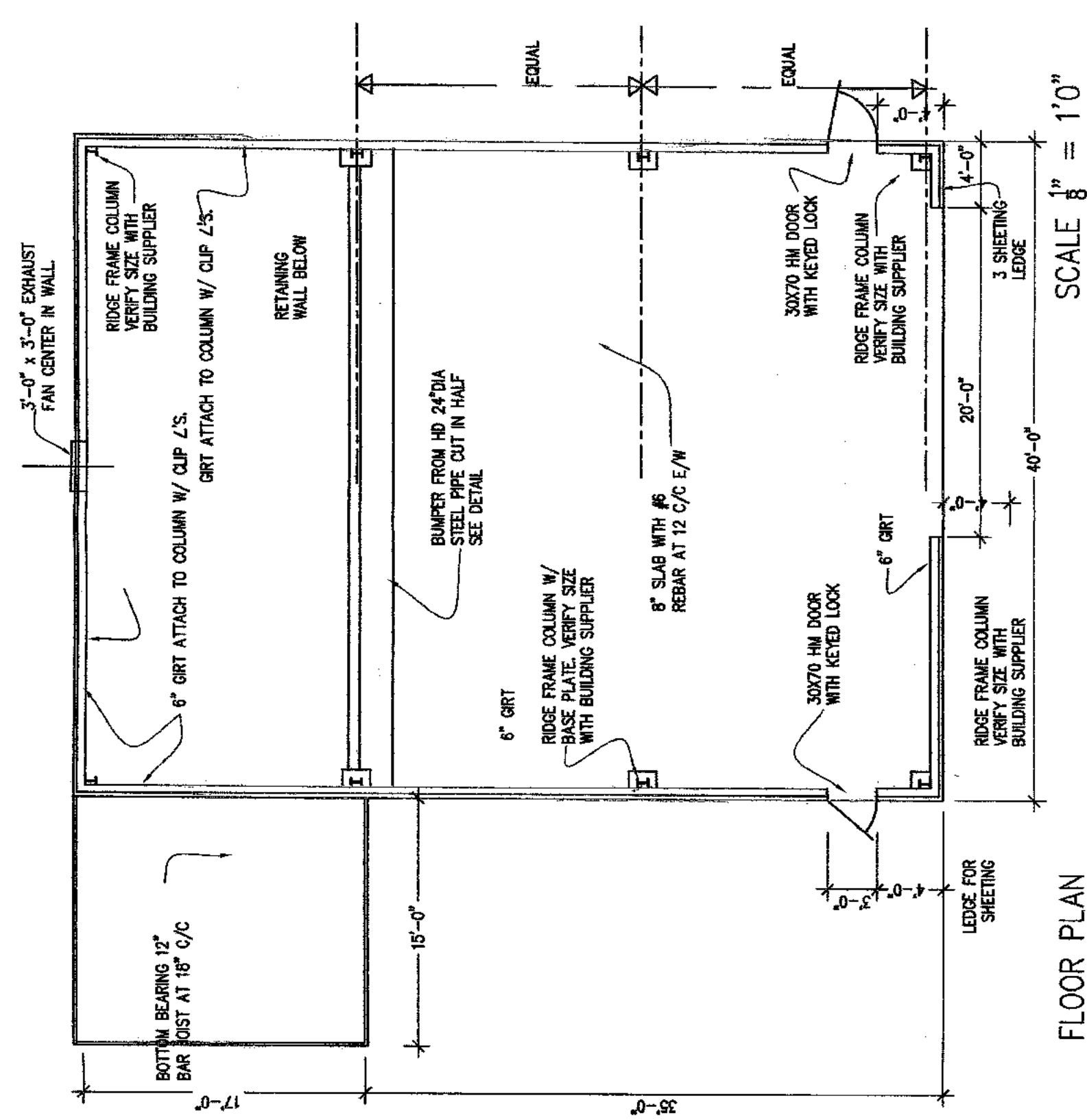
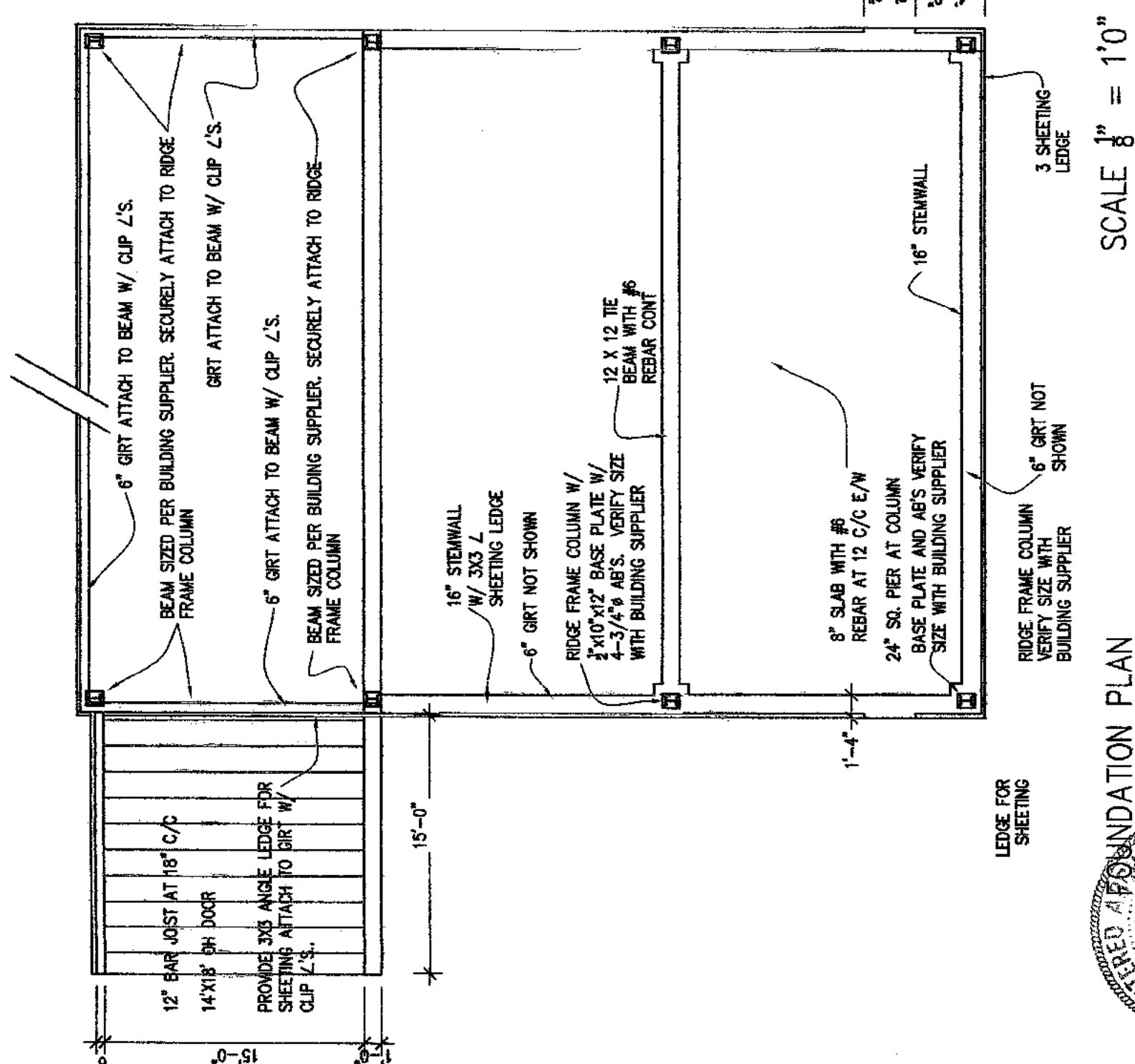
NORTH ELEVATION

SCALE 1/8" = 1'-0"

SCALE 1/8" = 1'-0"

AUG 27 2020

Registered Architect
 STATE OF TEXAS
 70008
 Signature: [Handwritten Signature]
 Date: 8/27/2020

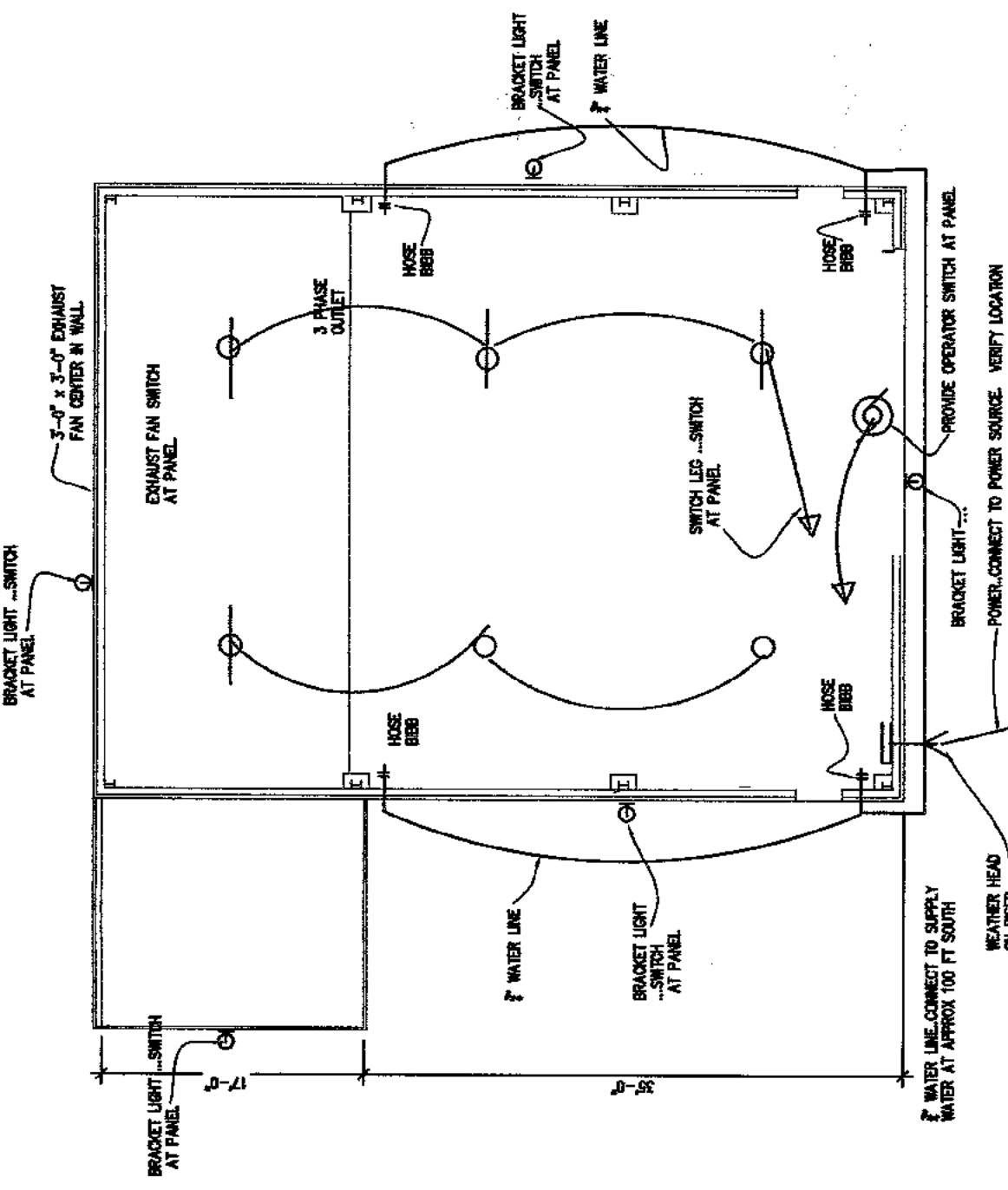


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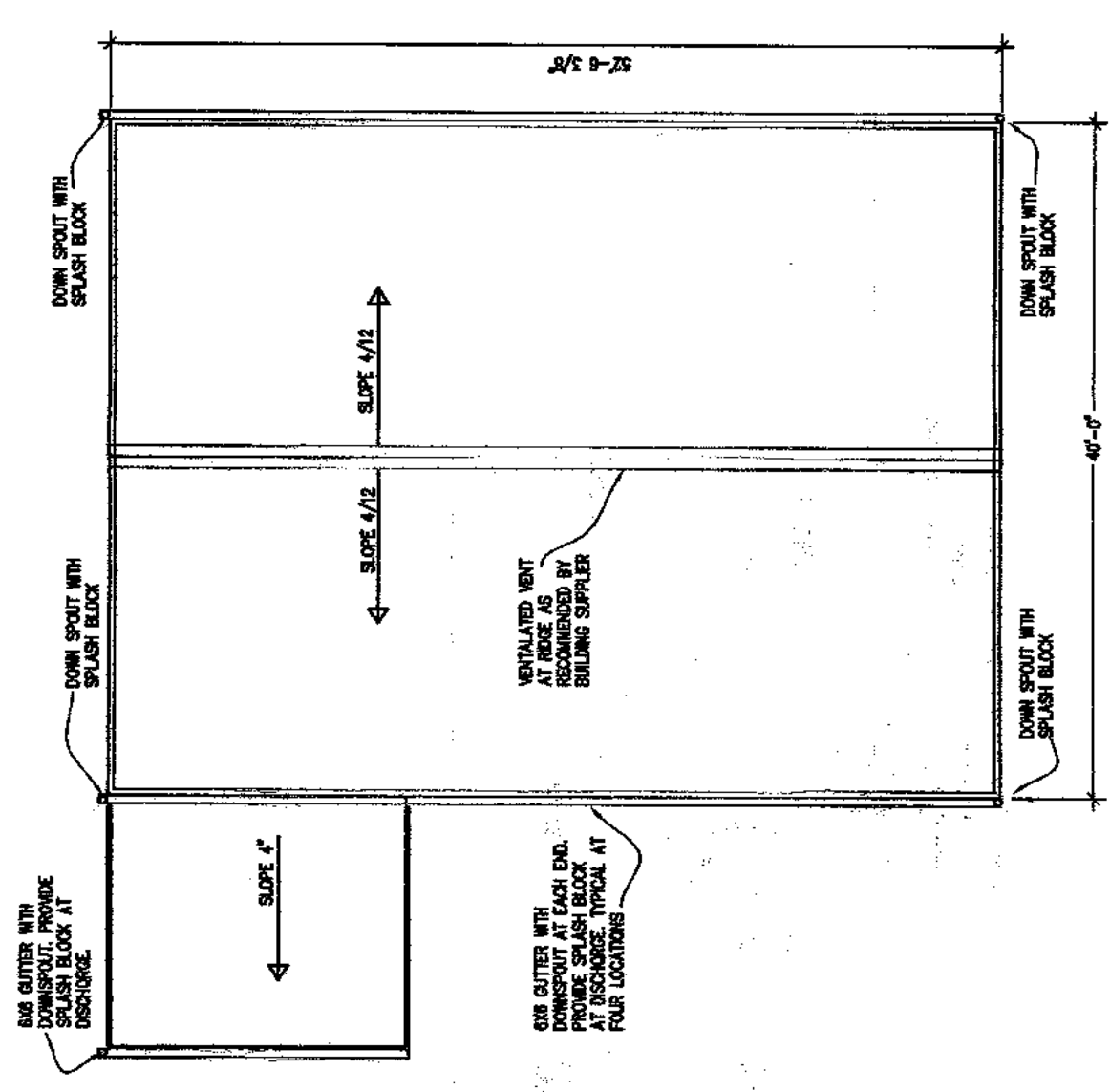
PINEY WOODS SANITATION

PG 13 -A

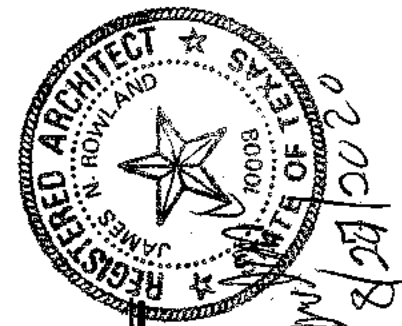
PART III



PLUMBING PLAN, ELECTRICAL PLAN SCALE 1/8" = 1'-0"



ROOF PLAN SCALE 1/8" = 1'-0"



AUG 27 2020



RETAINING WALL

SCALE: 3/4" = 1'-0"

Handwritten signature: [Signature]

REGISTERED ARCHITECT
 STATE OF TEXAS
 No. 12345

AUG 27 2020

330.63

(3) Sanitation of the facility

(A) Surface drainage is not a problem in this facility. The tipping floor will be raised so as to be above any water drainage that will be possible during a storm event. The building is an engineered metal building. The top eaves will overhang the vertical walls of the structure to prevent rain water from entering the building from the top. The structure at the bottom of the wall where it meets the tipping floor will overlap down past the floor. This will not allow rain water to enter the building at the bottom.

(B) This facility will be maintained and cleaned using a pressure washer on a concrete tipping floor. The sheet metal walls will be hosed down using pressure also, but less pressure to protect the integrity of the sheet metal. The lower level receiving area will also be graded so it can be cleaned with the water moving to the drains. All liquids will be managed by use of graded floors directing the water to the City sanitary sewer.

(C) This transfer station will be plumbed with fresh water lines in the building. The site will be cleaned by the use of a pressure washer. The facility will be hosed down on a daily basis and high pressure cleaned weekly. The lower area where waste is collected will also be pressure washed weekly. If some unforeseen event occurs, then the site will be cleaned on an as needed basis.

(D) The building is constructed so the graded tipping floor and the graded floor holding the receiving equipment does not allow cleaning water to leave the site, but run into the drainage lines going to the City sanitation sewer.

(4) Water pollution control

The facility will have cement tipping floors with the floor grade moving collected liquids to drainage lines that are tied in with the sewer trunk line located on property. The lower floor where the waste is received will also be graded to drainage lines that will go to the sewer trunk line. Any water that is collected in this facility will be removed from this site into the sanitary sewer system.

(5) Endangered species protection

My wetland experience allowed me to determine there are no endangered species known to inhabit this site.

330.63

(c) Facility surface water drainage report.

This registered transfer station is designed and constructed to comply with the requirement of 330.303.

(1)

(A)(B)(C)(D)

Not applicable to this registration

(2) Flood control and analyses

(A) This site is not in the 100 year flood plain. See map (Pg 17)

(B) See map (Pg 17)

(C) Not applicable

(D) Not applicable

(d) Waste management design unit

(1) Storage and transfer units

(A) This facility is being registered as a site than can receive up to 125 tons of waste daily per 330.9. The site will be able to process waste received daily with little delay on removing it from the tipping floor to the receiving units. The receiving equipment will be capable of removing this waste within 24 hours from the site during the week. Waste received on Friday will be removed from the site within 72 hours of being received at the facility.

The waste received at this facility will be processed and stored for a short time, no longer than 24 hours during the week and 72 hours over the weekend. The waste will be transported to a TCEQ permitted facility for disposal. The complete process will take place under roof. This facility will not be a continuous operating site. Because the waste received will be processed in short order, no public health hazard or nuisances will occur anytime during this process.

All waste activities will be processed inside of the building. This will help to keep any public health hazard or nuisances' from occurring.

National Flood Hazard Layer FIRMeTte



Legend

SEE HIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes, Zone X
- Area with Flood Risk due to Levee Zone D

OTHER AREAS

- Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transsect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transsect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

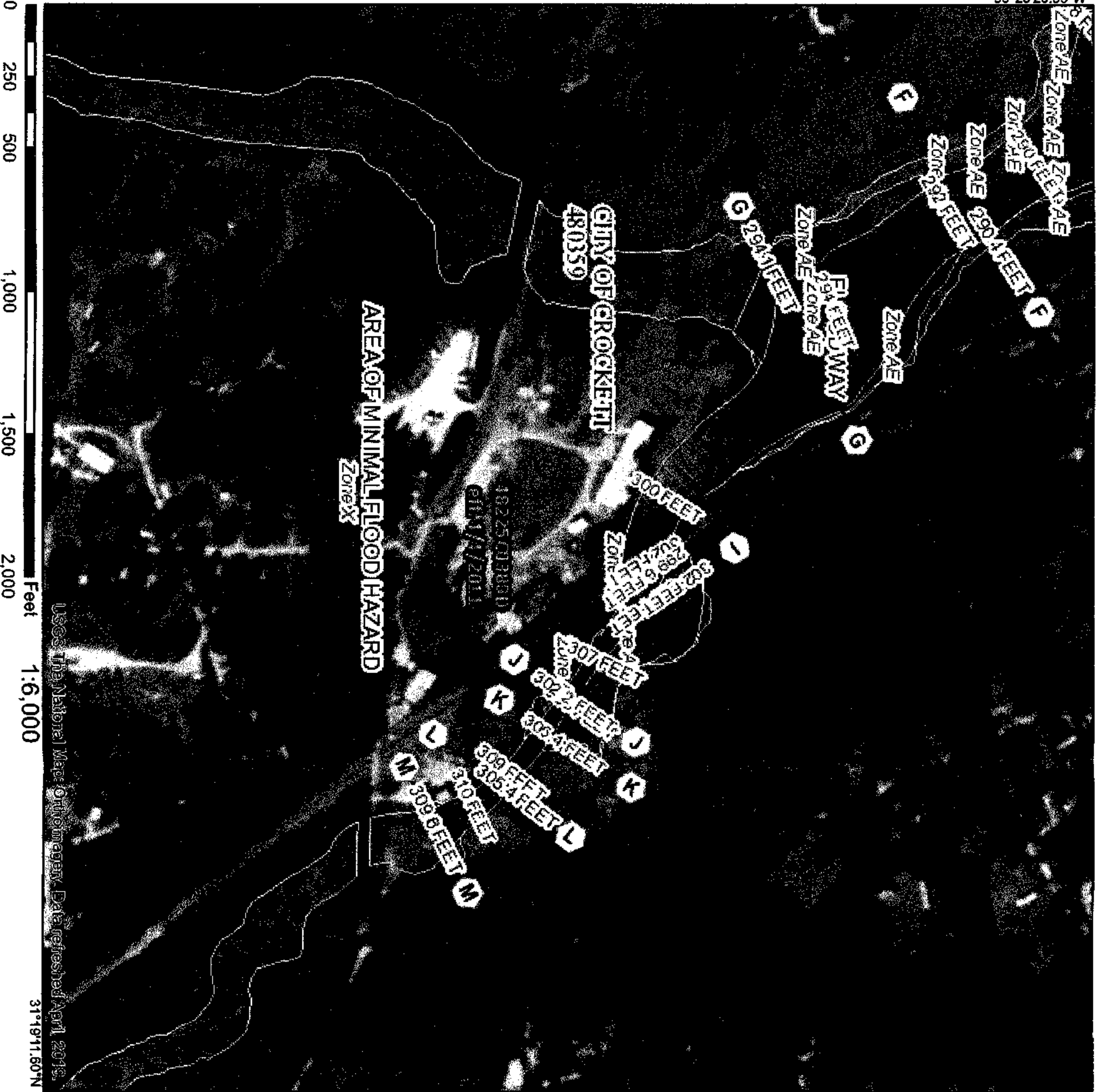
- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/1/2020 at 1:23:07 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmapped areas cannot be used for regulatory purposes.



PINEY WOODS SANITATION

PG 17

PART 111

MAY 15 2020

(B) This facility will be constructed so that no liquid leaves the building. The floors will be graded to assure that all liquids inside the building will be directed to the site drainage system and removed to the sanitary sewer. There will be no waste outside the building to be effected by a 25-year, 24-hour event.

(C) The main factor determining how long the waste will remain on site is what time of day does the receiver equipment becomes full. Both disposal sites we use close at 4:00pm. If we cannot transport the waste to the landfill before the sites close, we must keep the waste overnight till the site opens. The waste will be contained in receiving containers. Normal business practice during the week requires a 24 hour period for the waste to remain on site. If the onsite receiving equipment loads up on Friday afternoon keeping us from getting to the landfill before closure, we will keep the waste up to 72 hours. It will be disposed of when the disposal facilities open on Monday morning.

(2) Not applicable

(3) Not applicable

(4) Not applicable

(5) Not applicable

(6) Not applicable

(7) Not applicable

(8) Not applicable

(9) Not applicable

(e) Not applicable

(f) Not applicable

(g) Not applicable

(h) Closure plan

330.459 (subchapter K) Closure Requirements for MSW Solid Waste Storage and Processing Units.

(a) At such time as this transfer station is determined to not be a feasible facility, the site will stop receiving waste and will be cleaned. Any waste material or residue from the site will be removed and transported to a TCEQ permitted disposal facility. At such time as the closure is determined to be practicable, the future of this facility will then be defined.

330.459

(a) If the determination is to completely disassemble the facility, the site will be cleaned as prescribed by this rule. Then the facility will be removed.

If the determination is to close the transfer station, but retain use of the structure for a different use, the site will be completely cleaned and decontaminated.

(b) If any waste material is left on site, it will be taken to a TCEQ permitted disposal facility. All areas of the site will be disinfected to the satisfaction of TCEQ rules.

(c) If there is evidence of a release from this facility, Piney Woods Sanitation will abide by any investigation by the Director's office and correct any groundwater impact.

(d) This transfer station is not a recycle facility. It will not store any type of combustible material as mentioned in this rule. There will be no recyclable material or any other type of waste store outside of the structure of this facility.

(A) Not applicable

(B) Not applicable

330.461 Certificate of Final Facility Closure

(a) Piney Woods Sanitation will put a public notice in the largest circulation paper in the vicinity of the facility. This will occur before 90 days of initiation before the date of the final closure. This notice will include the address of the facility, the registration number, and the last date of intended operation. An adequate number of copies of this notice will be made for public review. We will notify the director with the intent to close the facility and this notice will be put in the operating record.

(b) When the director is notified of the intent to close this facility, a sign will be put at the entrances to the site stating the date of closure. This sign is to notify the citizens that utilize this facility of the last date for waste to be received to prohibit any waste attempted from being disposed on this site. On this date, barriers will be put in place to stop any illegal disposal of waste.

(c) This section refers to landfills. This waste that is left on site would be from landfill units. This is a transfer station and by our Final Closure Plan, no waste will remain after closure.

(1) Not applicable

(2) A certified, signed document confirming this facility has closed under the approved closure plan will be furnished by an independent, licensed profession engineer. The director will be furnished all applicable documentation necessary for certification of final facility closure.

330.459

(3) This site does not require post closure care. A request for voluntary revocation of the registration, if applicable, will be adhered to.

(d) Not applicable

330.463 Post-Closure Care Requirements.

(a) Not applicable

(b) Not applicable

(2) Not applicable

(3) The operator shall place a copy of the post-closure plan in the operating record by the initial receipt of waste. In transfer station rules, the closure plan, not post-closure, spells out the stoppage of waste being received at the site and the transfer station being addressed as far as the outcome of the facility. Post closure rules deal with landfill monitoring, grass, subsidence and other things that affect environmental items those landfills have concerns about. (A)(B)(C) In this section deal with landfill closure. (D) Denotes dollar estimates of this action, referring to Subchapter L for cost estimates. Subchapter L has a section relating to transfer stations.

(D) This section requires a written estimate for closure of a facility. It refers to Subchapter L.

330.505 Closure Cost Estimates for Storage and Processing Units

(a) Closure cost estimates.

(1) This section addresses a recycling facility. Not applicable

(2) The estimate for closure on storage and processing units.

(A) Piney Woods Sanitation expects to receive 50 to 70 tons per day on average. Piney Woods is a hauling company with 24 years' experience and management with extensive industry experience. We will have knowledge of any problems as they occur that would cause us to have on site waste that would not be able to be processed. We would change truck routes to dump at TCEQ permitted disposal facilities instead of dumping at this site. If such occurrences happened, we would contain the situation to possibly have 1 days waste in the facility to dispose of.

(B) Cost for removal, if we would hire an outside party not affiliated with Piney Woods, will be calculated.

330.505

(2) The calculations for removing waste left after closing will be calculated in tons.

1st Scenario: If the determination is made to disassemble and remove the facility structure:

Contractor to dispose of 70 tons of waste.....transportation- 7 loads	\$4,500.00
Contractor to dispose of 70 tons of waste.....disposal cost- 70 tons	\$6,460.00
Contractor to disassemble the metal building and remove from site.....	\$12,000.00
Contractor to disinfect and clean	<u>\$5,000.00</u>
	<u>\$27,960.00</u>

2nd Scenario: The facility is cleaned and disinfected, but the building is kept for other uses:

Contractor to dispose of 70 tons of waste.....transportation- 7 loads	\$4,500.00
Contractor to dispose of 70 tons of waste.....disposal cost- 70 tons	\$6,460.00
Contractor to disinfect and clean	<u>\$11,000.00</u>
	<u>\$21,960.00</u>

This coverage will be provided by a bank letter of credit from the date of issuance of the registration until the date the director provides a document the closure has fulfilled all requirements.