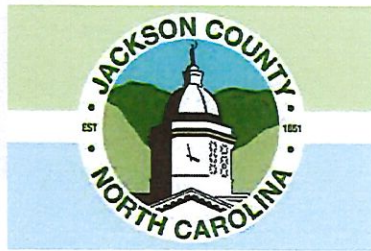


# Green Energy Park

## Master Plan Update



**WithersRavenel**  
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22 January, 2019





# Proposed Park Program

- Animal Recue Center
- Innovation Center (approx 17,000 sf)
- Event Space
- Walking Trails
- Dog Run / Park
- Open Space
- Parking
- Relocate Recycling Center



# Existing Conditions



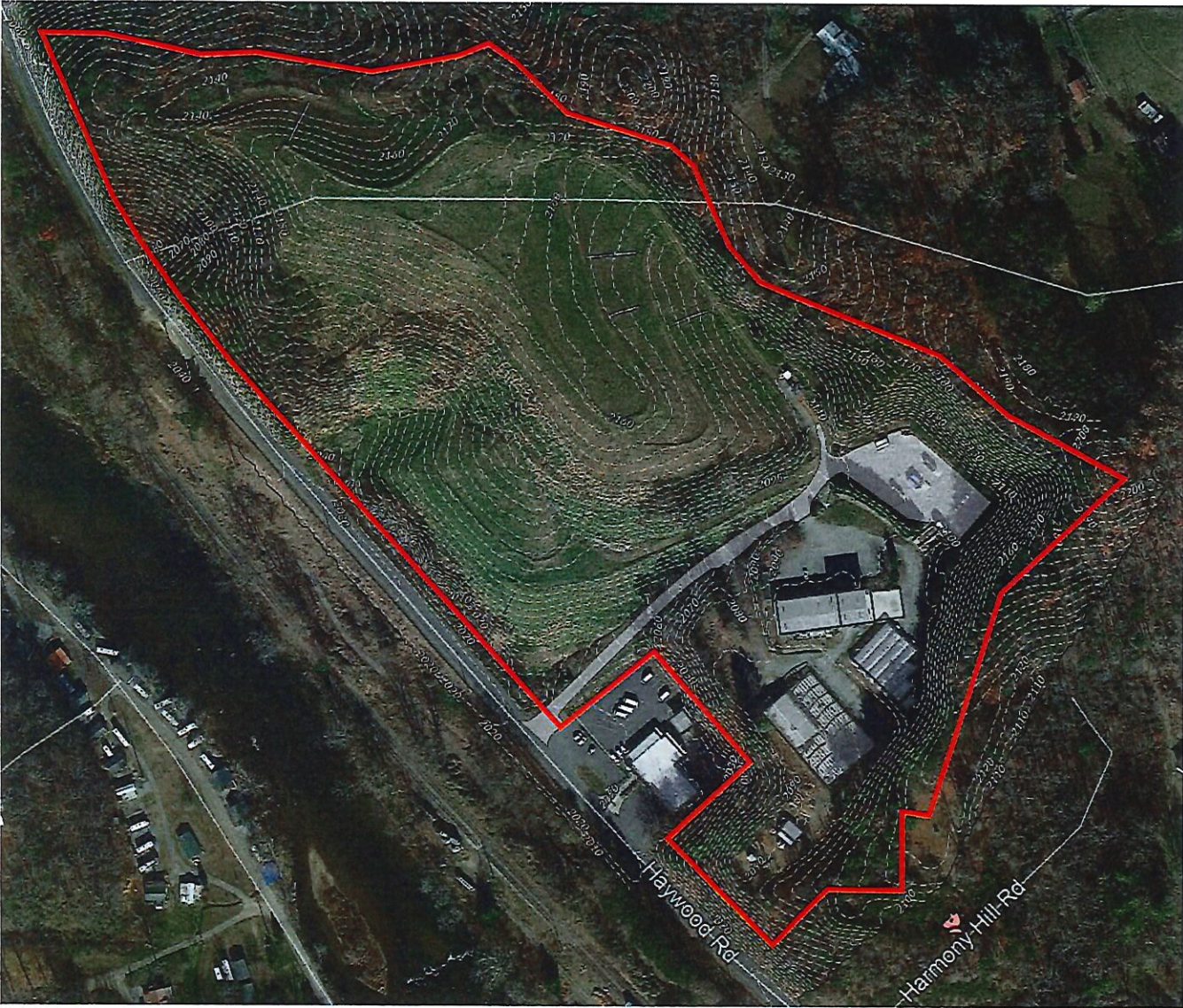
# Existing Conditions



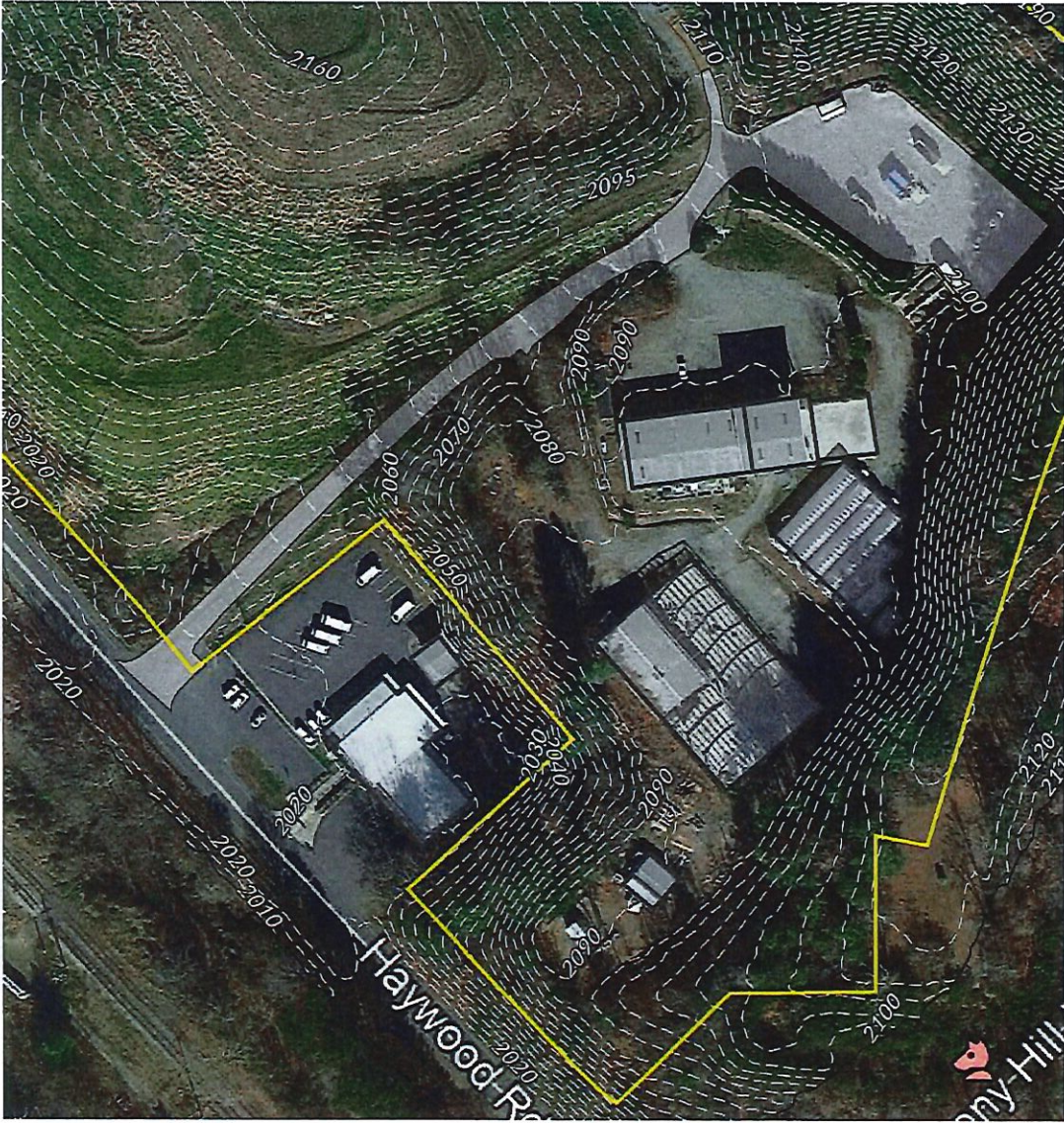




# Topography



# Topography



# Geotechnical

**SOIL BORING NO. B-3**

PROJECT: Jackson County Green Energy Park  
 CLIENT: Weldon Energy  
 LOCATION: Jackson County, North Carolina  
 DRILLING METHOD: CMF 4.5" 1/2" Hollow Stem Auger  
 DEPTH TO WATER: INITIAL 32' AFTER 24 HOURS: 32'

**SOIL DESCRIPTION**

Very dense, grayish brown, micaceous, silty fine to medium SAND (SM) (post-satur)

DEPTH (FT)	SOIL TYPE	STANDARD PENETRATION TEST (blows/ft)
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
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30		
31		
32		

Boring terminated at 32 feet.  
No groundwater encountered at time of boring or backfilling.

**SOIL BORING NO. B-5**

PROJECT: Jackson County Green Energy Park  
 CLIENT: Weldon Energy  
 LOCATION: Jackson County, North Carolina  
 DRILLING METHOD: CMF 4.5" 1/2" Hollow Stem Auger  
 DEPTH TO WATER: INITIAL 32' AFTER 24 HOURS: 32'

**SOIL DESCRIPTION**

Very fine to dense, grayish brown, micaceous, silty fine to medium SAND (SM) (pre-satur)

Firm, with grayish brown, very micaceous, silty fine to medium SAND (SM)

DEPTH (FT)	SOIL TYPE	STANDARD PENETRATION TEST (blows/ft)
0		
1		
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6		
7		
8		
9		
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11		
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30		
31		
32		

Boring terminated at 32 feet.  
No groundwater encountered at time of boring or backfilling.

**SOIL BORING NO. B-7**

PROJECT: Jackson County Green Energy Park  
 CLIENT: Weldon Energy  
 LOCATION: Jackson County, North Carolina  
 DRILLING METHOD: CMF 4.5" 1/2" Hollow Stem Auger  
 DEPTH TO WATER: INITIAL 32' AFTER 24 HOURS: 32'

**SOIL DESCRIPTION**

Firm, reddish brown, micaceous, silty fine to medium SAND (SM) (pre)

Very firm and dense, brownish brown, micaceous, silty fine to medium SAND (SM) (pre-satur)

Very dense, grayish brown, very micaceous, silty fine to medium SAND (SM)

Partly weathered rock which samples as grayish brown, micaceous, silty fine to medium sand.  
Boring terminated at 30 feet.  
No groundwater encountered at time of boring or backfilling.

DEPTH (FT)	SOIL TYPE	STANDARD PENETRATION TEST (blows/ft)
0		
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Boring terminated at 30 feet.  
No groundwater encountered at time of boring or backfilling.

**SOIL BORING NO. B-8**

PROJECT: Jackson County Green Energy Park  
 CLIENT: Weldon Energy  
 LOCATION: Jackson County, North Carolina  
 DRILLING METHOD: CMF 4.5" 1/2" Hollow Stem Auger  
 DEPTH TO WATER: INITIAL 32' AFTER 24 HOURS: 32'

**SOIL DESCRIPTION**

Loose, reddish brown, slightly micaceous, silty fine to medium SAND (SM) (pre)

Firm and dense, brownish brown, micaceous, silty fine to medium SAND (SM) (pre-satur)

Very fine and very dense, grayish brown, micaceous, silty fine to medium SAND (SM)

Boring terminated at 30 feet.  
No groundwater encountered at time of boring or backfilling.

DEPTH (FT)	SOIL TYPE	STANDARD PENETRATION TEST (blows/ft)
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Boring terminated at 30 feet.  
No groundwater encountered at time of boring or backfilling.

**SOIL BORING NO. B-10**

PROJECT: Jackson County Green Energy Park  
 CLIENT: Weldon Energy  
 LOCATION: Jackson County, North Carolina  
 DRILLING METHOD: CMF 4.5" 1/2" Hollow Stem Auger  
 DEPTH TO WATER: INITIAL 32' AFTER 24 HOURS: 32'

**SOIL DESCRIPTION**

Loose, reddish brown, silty fine to medium SAND (SM) (pre)

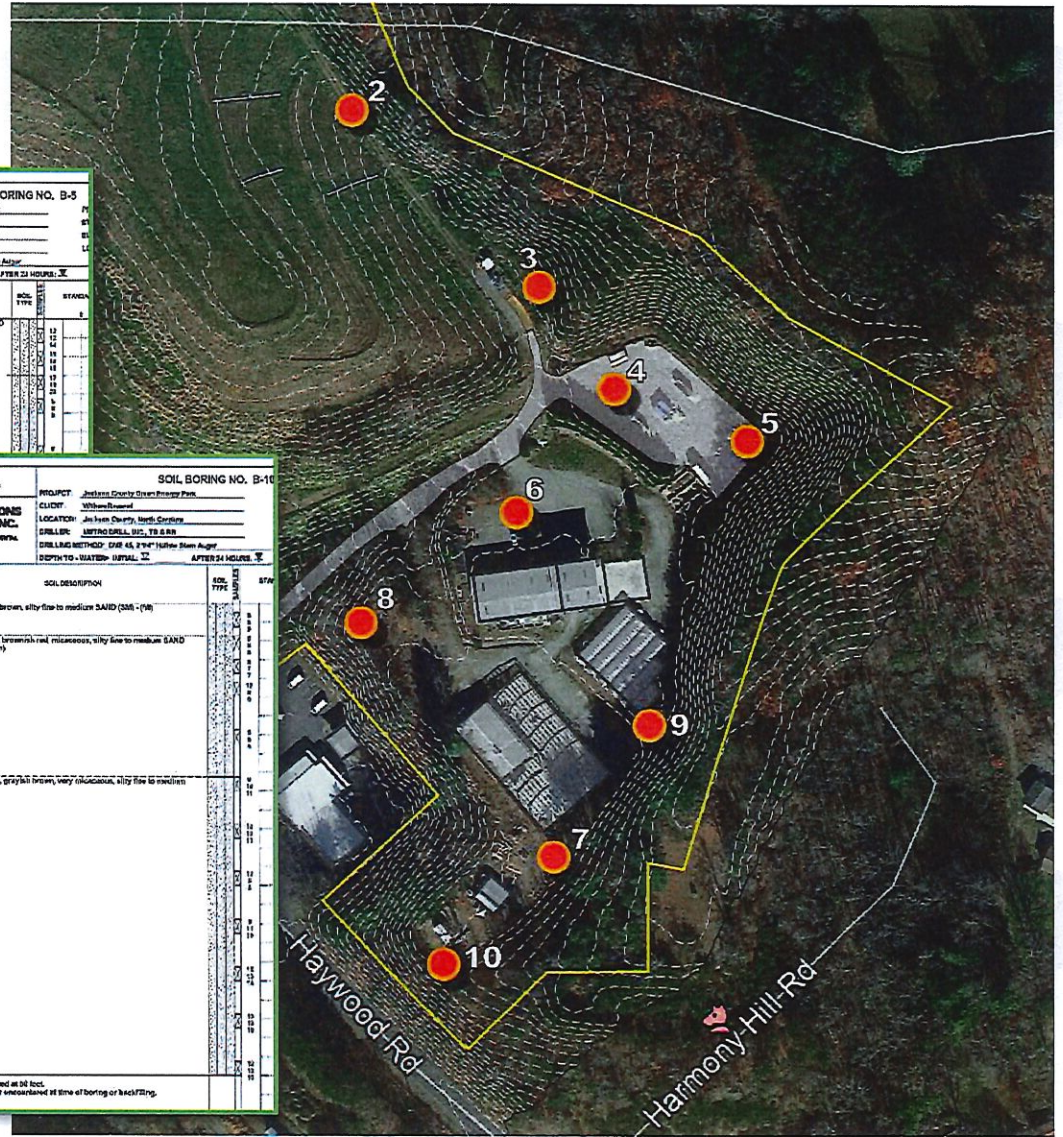
Loose and firm, brownish red, micaceous, silty fine to medium SAND (SM) (pre-satur)

Firm and dense, grayish brown, very micaceous, silty fine to medium SAND (SM)

Boring terminated at 30 feet.  
No groundwater encountered at time of boring or backfilling.

DEPTH (FT)	SOIL TYPE	STANDARD PENETRATION TEST (blows/ft)
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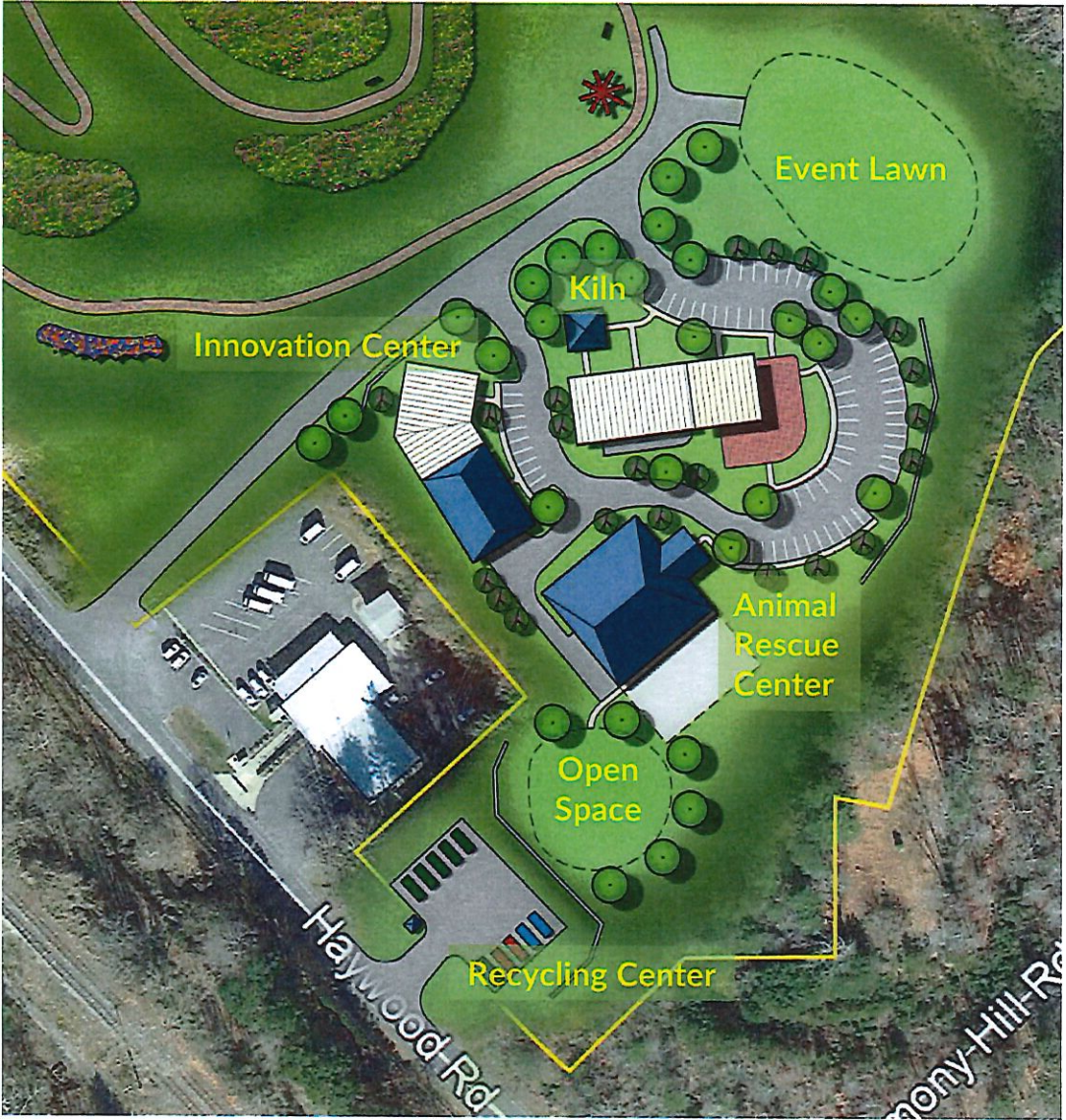
Boring terminated at 30 feet.  
No groundwater encountered at time of boring or backfilling.





Preliminary Master Plan







Landfill trail looking southeast



Entry drive looking southeast



Landfill trail looking southeast



Event lawn looking south

# Preliminary Master Plan

