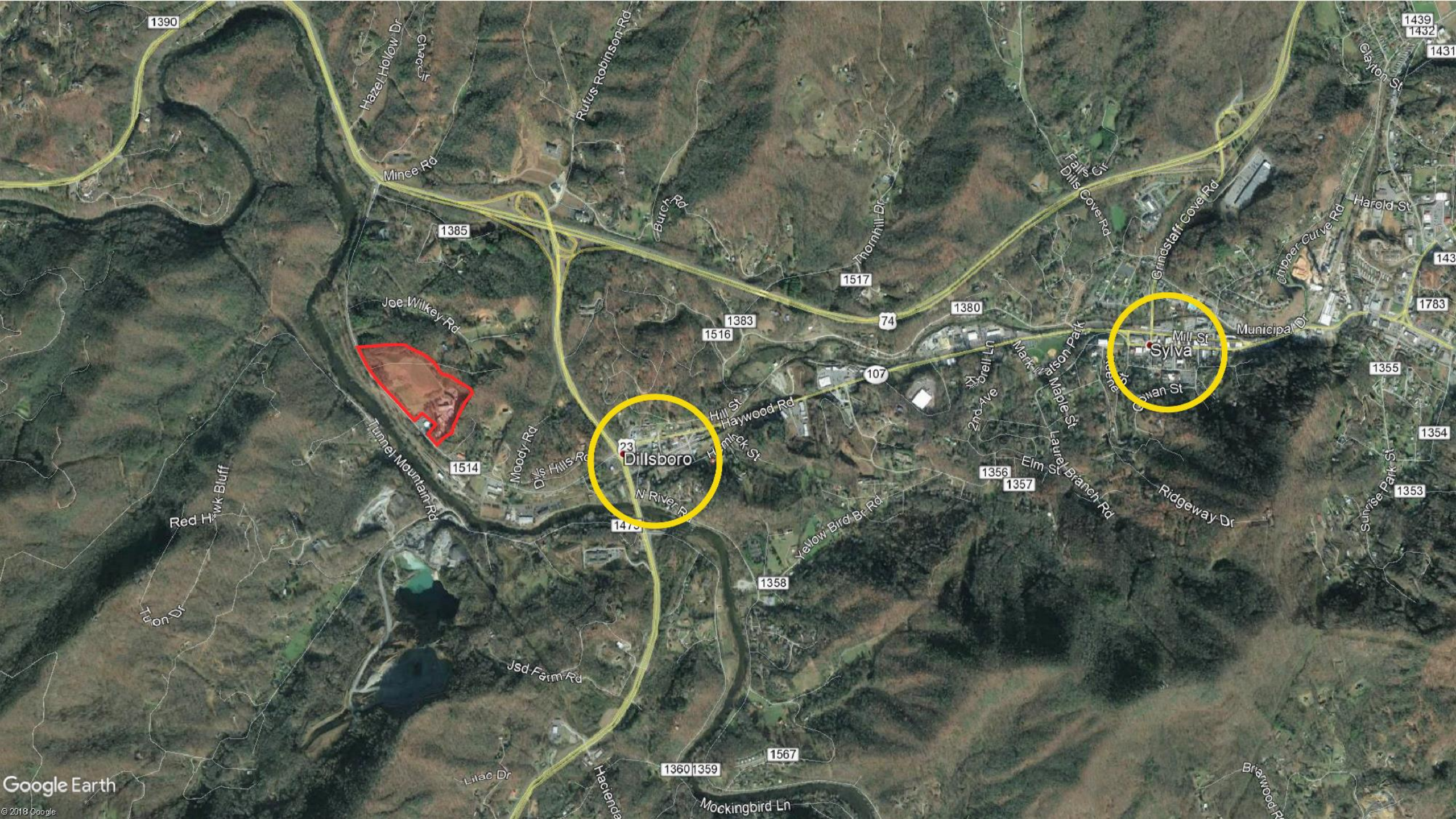
Green Energy Park

Master Plan Update

WithersRavenel
Our People. Your Success.

22 January, 2019



1390
Hazel Hollow Dr
Rufus Robinson Rd
Mince Rd
1385
Joe Wilkey Rd
Burch Rd
Thornhill Dr
1517
1383
1516
74
1380
107
Falls Cir
Dills Cove Rd
Grindstaff Cove Rd
Chipper Curve Rd
Harold St
Clayton St
1439
1432
1431
1783
Municipal Dr
Mill St
Sylva
Maple St
Laurel Branch Rd
Elm St
1356
1357
Ridgeway Dr
1355
1354
1353
Sunrise Park St
Hill St
Haywood Rd
Dillsboro
N River Rd
Moody Rd
Tunnel Mountain Rd
1514
Red Hawk Bluff
Yellow Bird Br Rd
1358
Jsd Farm Rd
1567
1360
1359
Lilac Dr
Mockingbird Ln
Google Earth
© 2018 Google

Joe Wilkey Rd
Landfill
Recycling Center
Art Center
Greenhouses
Event Space
Kilns
Haywood Rd
Harmony Hill Rd
Tunnel Mountain R
1514
Dellwood Dr
Western Ln
Moody Rd
3

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

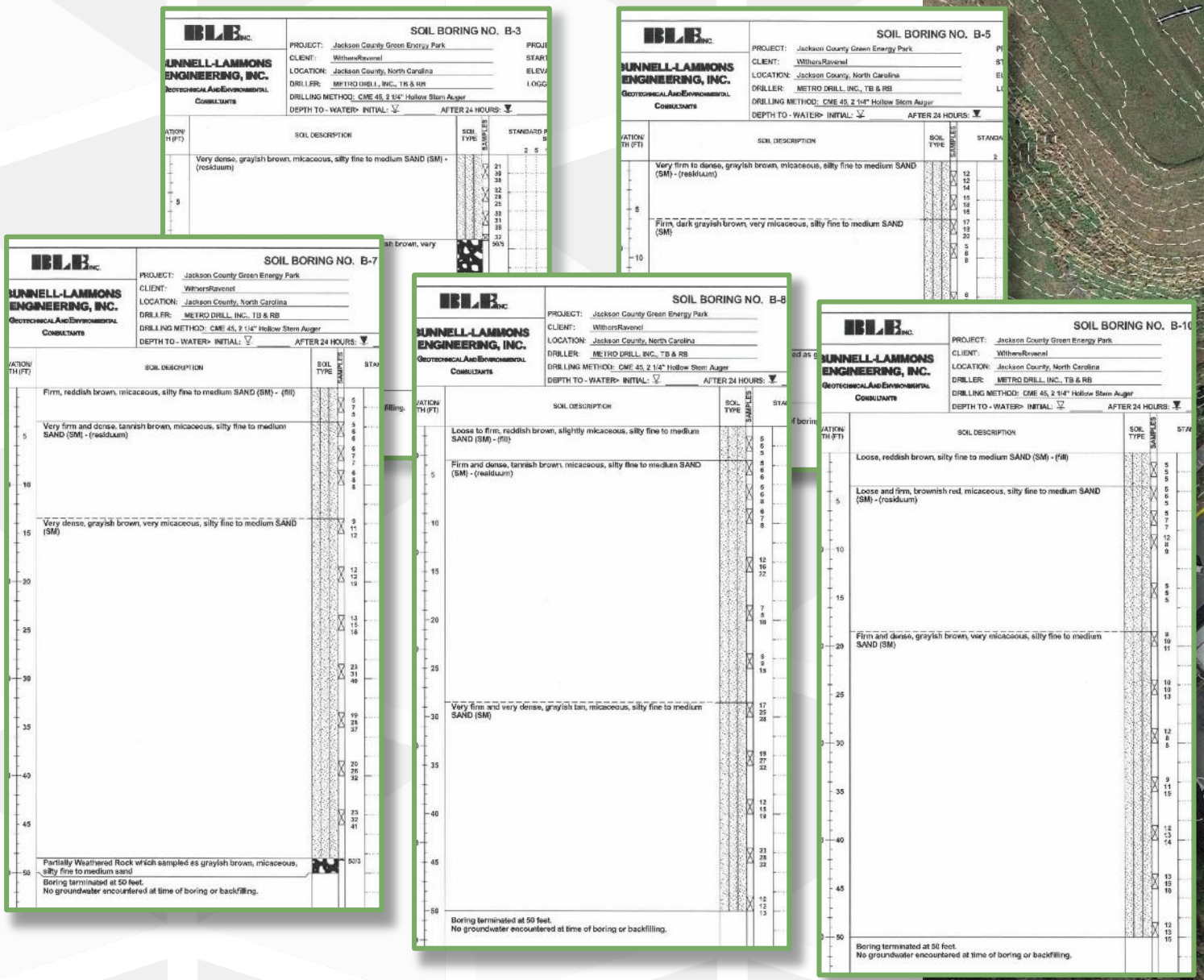
Existing Conditions

Topography

Topography

2160
2110
2140
2120
2130
2095
2100
2090
2090
2070
2080
2060
2050
2020
2020
2020
2020
2010
2030
2040
2090
2090
2120
2100
2020
Haywood

Geotechnical



BLE INC.
BUNNELL-LAMMONS ENGINEERING, INC.
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

SOIL BORING NO. B-3

PROJECT: Jackson County Green Energy Park
CLIENT: Withers Ravenel
LOCATION: Jackson County, North Carolina
DRILLER: METRO DRILL, INC., TB & RB
DRILLING METHOD: CME 45, 2 1/4" Hollow Stem Auger
DEPTH TO - WATER> INITIAL: ▽ AFTER 24 HOURS: ▼

ELEVATION (FT)	SOIL DESCRIPTION	SOIL TYPE	SAMPLES	STANDARD P
	Very dense, grayish brown, micaceous, silty fine to medium SAND (SM) - (residuum)			21 30 38
				32 28 25
				30 31 38
				32 50/5

BLE INC.
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GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

SOIL BORING NO. B-5

PROJECT: Jackson County Green Energy Park
CLIENT: Withers Ravenel
LOCATION: Jackson County, North Carolina
DRILLER: METRO DRILL, INC., TB & RB
DRILLING METHOD: CME 45, 2 1/4" Hollow Stem Auger
DEPTH TO - WATER> INITIAL: ▽ AFTER 24 HOURS: ▼

ELEVATION (FT)	SOIL DESCRIPTION	SOIL TYPE	SAMPLES	STANDA
	Very firm to dense, grayish brown, micaceous, silty fine to medium SAND (SM) - (residuum)			12 12 14
				15 14 16
	Firm, dark grayish brown, very micaceous, silty fine to medium SAND (SM)			17 19 20
				5 6 8
				6 8 9

BLE INC.
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GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

SOIL BORING NO. B-7

PROJECT: Jackson County Green Energy Park
CLIENT: Withers Ravenel
LOCATION: Jackson County, North Carolina
DRILLER: METRO DRILL, INC., TB & RB
DRILLING METHOD: CME 45, 2 1/4" Hollow Stem Auger
DEPTH TO - WATER> INITIAL: ▽ AFTER 24 HOURS: ▼

ELEVATION (FT)	SOIL DESCRIPTION	SOIL TYPE	SAMPLES	STA
	Firm, reddish brown, micaceous, silty fine to medium SAND (SM) - (fill)			5 7 9
				5 6 6
	Very firm and dense, tannish brown, micaceous, silty fine to medium SAND (SM) - (residuum)			6 6 7
				7 6 8
				9 11 12
	Very dense, grayish brown, very micaceous, silty fine to medium SAND (SM)			12 12 19
				13 15 18
				23 31 46
				19 26 37
				20 26 32
				23 32 41
	Partially Weathered Rock which sampled as grayish brown, micaceous, silty fine to medium sand			50/3

Boring terminated at 50 feet.
No groundwater encountered at time of boring or backfilling.

BLE INC.
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GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

SOIL BORING NO. B-8

PROJECT: Jackson County Green Energy Park
CLIENT: Withers Ravenel
LOCATION: Jackson County, North Carolina
DRILLER: METRO DRILL, INC., TB & RB
DRILLING METHOD: CME 45, 2 1/4" Hollow Stem Auger
DEPTH TO - WATER> INITIAL: ▽ AFTER 24 HOURS: ▼

ELEVATION (FT)	SOIL DESCRIPTION	SOIL TYPE	SAMPLES	STA
	Loose to firm, reddish brown, slightly micaceous, silty fine to medium SAND (SM) - (fill)			6 6 5
				5 6 6
	Firm and dense, tannish brown, micaceous, silty fine to medium SAND (SM) - (residuum)			6 6 6
				6 7 8
				12 16 22
				7 9 10
				9 9 15
	Very firm and very dense, grayish tan, micaceous, silty fine to medium SAND (SM)			17 25 28
				19 27 32
				12 15 19
				21 28 32
				12 13 13

Boring terminated at 50 feet.
No groundwater encountered at time of boring or backfilling.

BLE INC.
BUNNELL-LAMMONS ENGINEERING, INC.
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

SOIL BORING NO. B-10

PROJECT: Jackson County Green Energy Park
CLIENT: Withers Ravenel
LOCATION: Jackson County, North Carolina
DRILLER: METRO DRILL, INC., TB & RB
DRILLING METHOD: CME 45, 2 1/4" Hollow Stem Auger
DEPTH TO - WATER> INITIAL: ▽ AFTER 24 HOURS: ▼

ELEVATION (FT)	SOIL DESCRIPTION	SOIL TYPE	SAMPLES	STA
	Loose, reddish brown, silty fine to medium SAND (SM) - (fill)			5 5 5
				5 6 5
	Loose and firm, brownish red, micaceous, silty fine to medium SAND (SM) - (residuum)			5 7 7
				12 8 9
				5 5 5
				9 10 11
	Firm and dense, grayish brown, very micaceous, silty fine to medium SAND (SM)			10 13 13
				12 8 8
				9 11 15
				13 13 14
				13 15 16
				12 13 15

Boring terminated at 50 feet.
No groundwater encountered at time of boring or backfilling.

Preliminary Master Plan

Outdoor Art
Dog Run
Walking
Trails
The Meadow
Outdoor Art

Event Lawn
Kiln
Innovation Center
Animal Rescue Center
Open Space
Recycling Center
Haywood Rd

Landfill trail looking southeast

Entry drive looking southeast

Landfill trail looking southeast

Event lawn looking south

Preliminary Master Plan