BRIDGETON LANDFILL

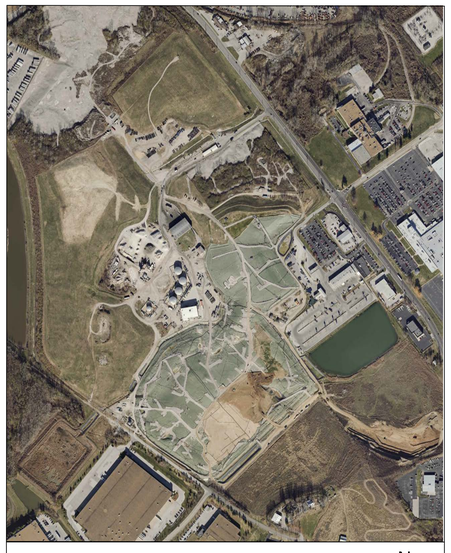
2018 Q1 INFRASTRUCTURE UPDATE

APRIL 2018

PREPARED FOR:

BRIDGETON LANDFILL, LLC

13570 ST. CHARLES ROCK ROAD
BRIDGETON, MISSOURI 63044



LOCATION MAP

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Engineering for a Better World
FEEZOR ENGINEERING, INC.

3377 HOLLENBERG DRIVE
BRIDGETON, MO 63044
TEL. (217) 483-3118

STATE OF MISSOURI
DANIEL RICHARD FEEZOR
NUMBER E-30292
REGISTERED PROFESSIONAL ENGINEER
4/30/18

LEGEND

- SOLID WASTE BOUNDARY
- Q — QUARRY WALL
- x — x — x — FENCE LINE
- GMP-4 — GAS MONITORING PROBE
- PZ-105-SS — PIEZOMETER MONITORING WELL

0 200 400 Feet

NOTES:
AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED DECEMBER 2, 2017. AERLA IMAGERY WAS SUPPLEMENT BY JETT ENVIROMENTAL CONSULTING VIA DRONE ON MARCH 3, 2018.

BRIDGETON LANDFILL, LLC
13570 ST. CHARLES ROCK ROAD
BRIDGETON, MISSOURI 63044

BRIDGETON LANDFILL
2016 Q1 INFRASTRUCTURE UPDATE

Engineering for a Better World
FEEZOR ENGINEERING, INC.

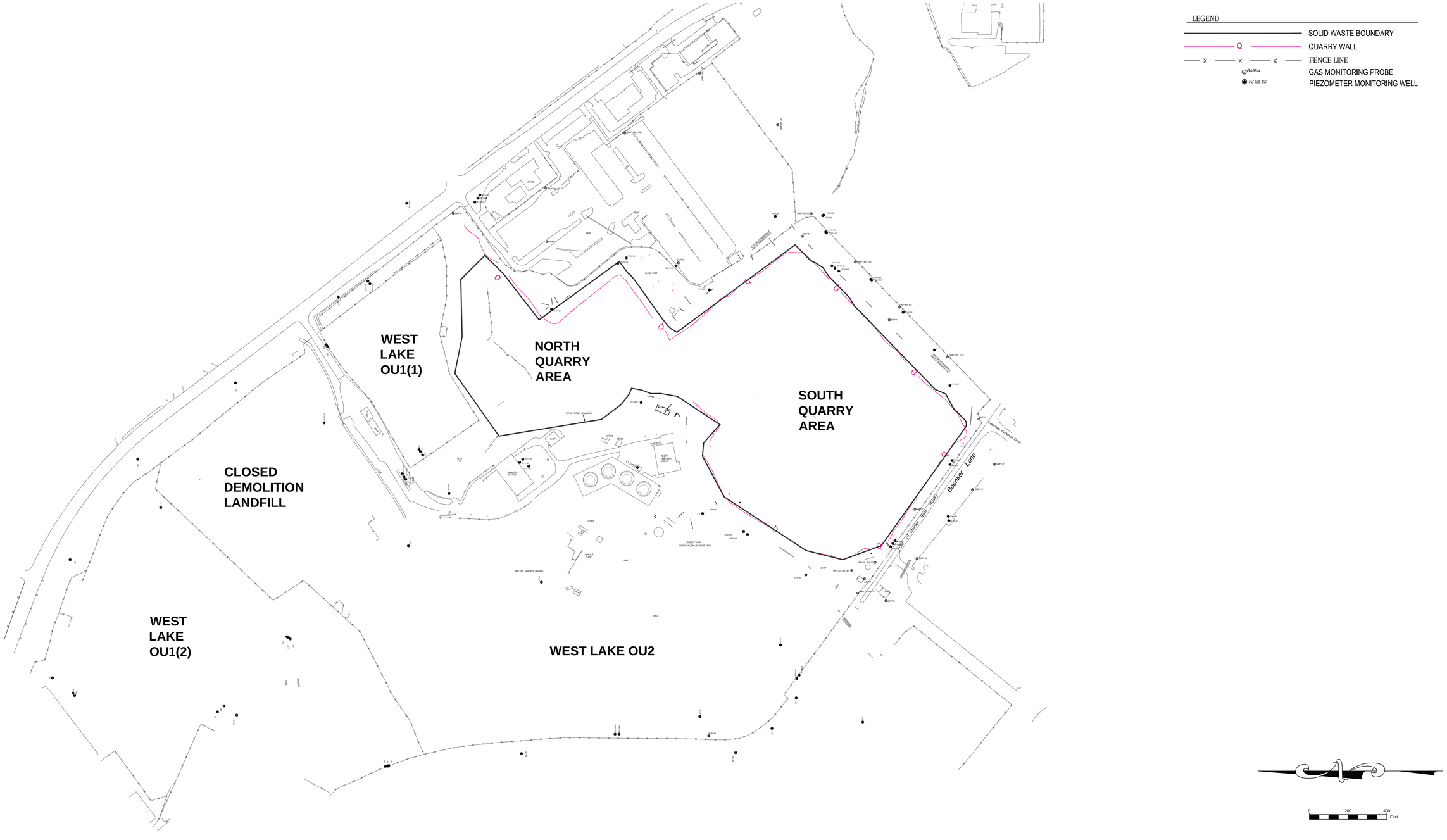
FULL SITE PLAN VIEW W/ AERIAL

APRIL 2018
DESIGNED BY: AMR
APPROVED BY: DRF

DRAWING NO.:
001

PROJECT NO: BT-130 | FILE PATH: C:\Users\arder\Dropbox (Feezor Engineering)\Bridgeton\100-149\BT-130 (Quarterly Infrastructure)\2018\2 - Final Submittals\BT-130 - 2018 Q1 Infrastructure Submittal

REVISION | DATE



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BRIDGETON LANDFILL, LLC 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044	BRIDGETON LANDFILL 2018 Q1 INFRASTRUCTURE UPDATE	Engineering for a Better World FEEZOR ENGINEERING, INC.	APRIL 2018 DESIGNED BY: AMR APPROVED BY: DRF	DRAWING NO.: 002
FULL SITE PLAN VIEW				
PROJECT NO: BT-130	FILE PATH: C:\Users\amber\Dropbox (Feezor Engineering)\Bridgeton\130-149\BT-130 (Quarterly Infrastructure)\2018\2 - Final Submittals\BT-130 - 2018 Q1 Infrastructure Submittal		REVISION / DATE	

LEGEND

Symbol	Description
	SOLID WASTE BOUNDARY
GMP-4	GAS MONITORING PROBE
PZ-204-AS	PIEZOMETER MONITORING WELL
GEW-38	GAS EXTRACTION WELL
ITS1	INTERCEPTOR TRENCH SUMP
SEW-63	SURFACE EXTRACTION WELL
PEW-20	PERIMETER GAS EXTRACTION WELL
	LFG ISOLATION VALVE
	LEACHATE ISOLATION VALVE
	FLOW METER
	GRIT CHAMBER
	LIFT STATION
CT-1	CONDENSATE SUMP
CT/HC-1	CONDENSATE TRAP/HEADER CONNECTION SUMP
LS-1 LS-6	LEACHATE COLLECTION SUMP
HZ-1	HORIZONTAL COLLECTION SUMP
PS-15	PERIMETER SUMP
LCS-2D	LEACHATE COLLECTION SUMP
SC-B1	SURFACE COLLECTOR
TMP-9	TEMPERATURE MONITORING PROBE
GC-3	SUBSURFACE RCP WELLS
ET-2	TRENCH SUMP
IT-7	INTERCEPTION TRENCH RISER
PL-7	PERIMETER LEACHATE SUMP
	WELL HEAD RISER
WB-1	WELL BORE BOOT
TS-1	TRENCH SUMP
OL-12	OVER LINER TIE IN POINT
	GAS INTERCEPTOR WELL
GIW-4	GAS INTERCEPTOR WELL/HEAT EXTRACTION POINT
CO	CLEAN OUT
GEW-38(S)	GAS EXTRACTION WELL WITH 4" STINGER
CS-1	CONTAINMENT SUMP PUMP STATIION FOR TOE STRIP DRAIN
	DOWNSLOPE STRIP DRAIN COLLECTOR 6" RISER STUB
1	QUADRANT #
	POWER PANEL
Q	QUARRY WALL
L	LEACHATE COLLECTION PIPING
L	DUAL CONTAINED LCS FORCEMAIN (SIZE VARIES)
L	DUAL CONTAINED PERIMETER FORCEMAIN (SIZE VARIES)
L	LEACHATE COLLECTION PIPING (SIZE VARIES)
6TD	TOE DRAIN
4PU	4" PERFORATED TRENCH DRAIN
	BUBBLE SUCKER
2A	AIR LINE
2AU	AIR LINE (PRESSURIZED BELOW GROUND)
6GU	BURIED LFG COLLECTION PIPING (SIZE VARIES)
2G	2" ABOVE GROUND LFG COLLECTION LATERAL PIPING
4G	4" ABOVE GROUND LFG COLLECTION LATERAL PIPING
6G	6" ABOVE GROUND LFG COLLECTION LATERAL PIPING
8G	8" ABOVE GROUND LFG COLLECTION LATERAL PIPING
10G	10" ABOVE GROUND LFG COLLECTION LATERAL PIPING
12G	12" ABOVE GROUND LFG COLLECTION LATERAL PIPING
18G	18" ABOVE GROUND LFG COLLECTION HEADER PIPING
24G	24" ABOVE GROUND LFG COLLECTION LATERAL PIPING
A/FM	2" PRESSURIZED AIR / 2" FORCEMAIN IN COMMON TRENCH
E	ABOVEGROUND ELECTRIC LINE
UE	UNDERGROUND ELECTRIC LINE
W	WATERMAIN
NGAS	NATURAL GAS LINE
FO	FIBER OPTIC LINE
X	FENCE LINE
4G	INTERCEPTOR TRENCH
	HEAT EXTRACTION EFFLUENT PIPING
	HEAT EXTRACTION INFLUENT PIPING
	UNDERLINER STRIP DRAIN COLLECTOR
	CURRENT EAST FILL PROJECT BOUNDARY
	INFRASTRUCTURE ROAD CROSSING
	BUILDING
	HAUL ROAD

0 100 200 Feet

NOTES:

1. - GAS AND LIQUID EXTRACTION POINTS THAT HAVE BEEN TEMPORARILY DECOMMISSIONED (PHYSICALLY DISCONNECTED FROM THE COLLECTION AND CONTROL SYSTEM DUE TO DECLINING GAS FLOWS), AND/OR ABANDONED, (PERMANENTLY AND PHYSICALLY REMOVED FROM THE COLLECTION AND CONTROL SYSTEM DUE TO INABILITY TO COLLECT GAS) HAVE BEEN REMOVED FROM THE SITE

NOTES:
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BRIDGETON LANDFILL, LLC 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044	BRIDGETON LANDFILL 2018 Q1 INFRASTRUCTURE UPDATE	FEEZOR ENGINEERING, INC. Engineering for a Better World	APRIL 2018 DESIGNED BY: AMR APPROVED BY: DRF	DRAWING NO.:
2018 Q1 SITE INFRASTRUCTURE			REVISION / DATE	**003**
PROJECT NO: BT-130	FILE PATH: C:\Users\arobe\Dropbox (Feezor Engineering)\Bridgeton\100-149\BT-130 (Quarterly Infrastructure)\2018\2 - Final Submittals\BT-130 - 2018 Q1 Infrastructure Submittal			

LEGEND

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PS-15	PERIMETER SUMP
LCS-2D	LEACHATE COLLECTION SUMP
SC-B1	SURFACE COLLECTOR
TMP-9	TEMPERATURE MONITORING PROBE
GC-3	SUBSURFACE RCP WELLS
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IT-7	INTERCEPTION TRENCH RISER
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	CURRENT EAST FILL PROJECT BOUNDARY
	INFRASTRUCTURE ROAD CROSSING
	BUILDING
	HAUL ROAD

0 100 200 Feet

NOTES:
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BRIDGETON LANDFILL, LLC
13570 ST. CHARLES ROCK ROAD
BRIDGETON, MISSOURI 63044

BRIDGETON LANDFILL
2018 Q1 INFRASTRUCTURE UPDATE

2018 Q1 SITE INFRASTRUCTURE
(UPDATES IN Q1 SHOWN IN COLOR)

FEEZOR ENGINEERING, INC.
Engineering for a Better World

APRIL 2018
DESIGNED BY: AMR
APPROVED BY: DRF

REVISION	DATE

DRAWING NO.: **004**

PROJECT NO: BT-130
FILE PATH: C:\Users\arobe\Dropbox (Feezor Engineering)\Bridgeton\100-149\BT-130 (Quarterly Infrastructure)\2018\2 - Final Submittals\BT-130 - 2018 Q1 Infrastructure Submittal

LEGEND

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0 100 200 Feet

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BRIDGETON LANDFILL
2018 Q1 INFRASTRUCTURE UPDATE

Engineering for a Better World
FEEZOR ENGINEERING, INC.

2018 Q1 SITE INFRASTRUCTURE (REMOVED IN Q1 SHOWN IN RED)

PROJECT NO: BT-130 | FILE PATH: C:\Users\arbe\Dropbox (Feezor Engineering)\Bridgeton\130-1/4567-130 Quarterly Infrastructure\Q12018 - Final Submittals\BT-130 - 2018 Q1 Infrastructure Submittal

APRIL 2018	
DESIGNED BY: AMR	
APPROVED BY: DRF	
REVISION	DATE

DRAWING NO.: **005**