BRIDGETON LANDFILL
2019 Q2 INFRASTRUCTURE UPDATE

JULY 2019
PREPARED FOR:

LOCATION MAP

N

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

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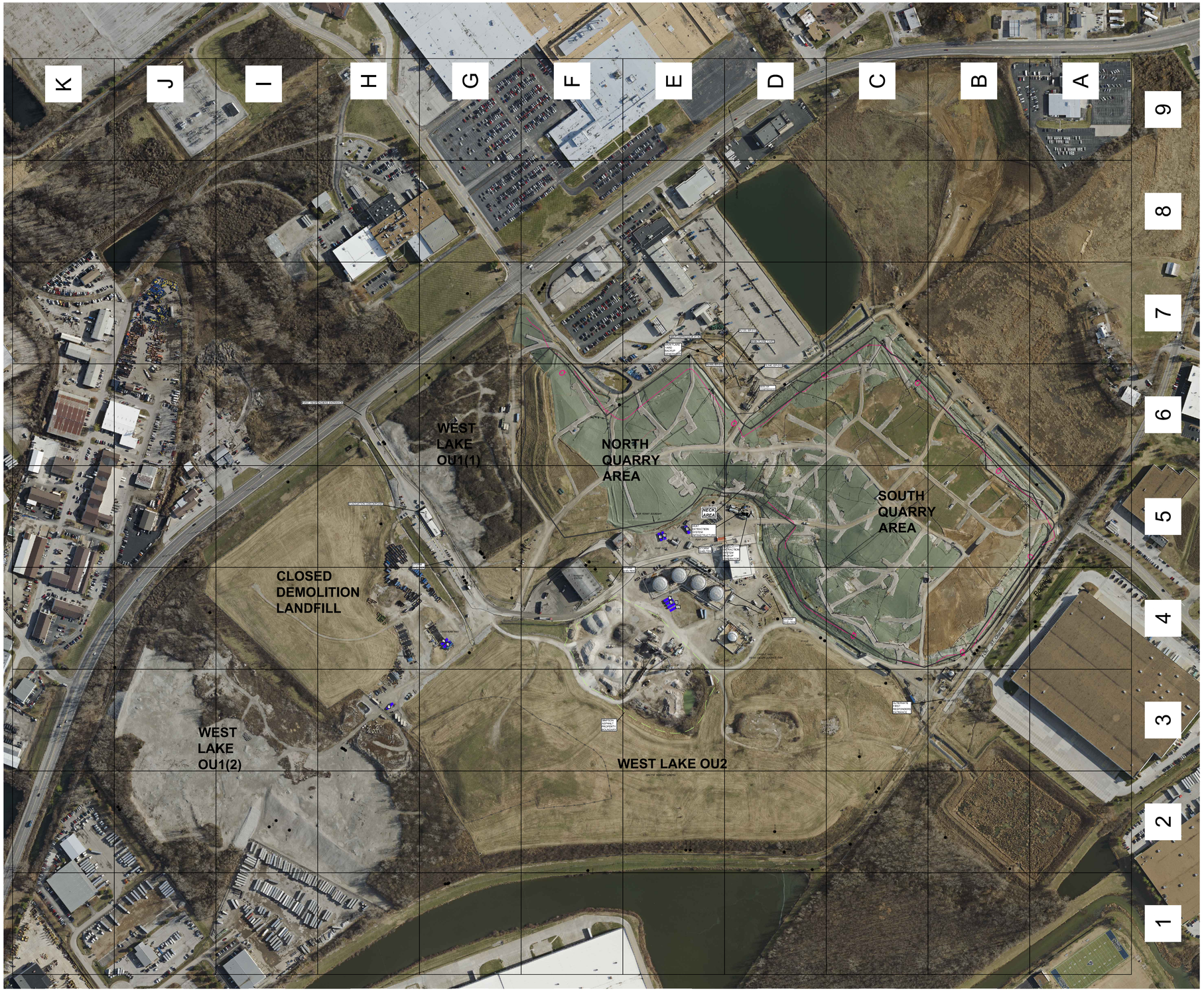
Engineering for a Better World
FEEZOR
ENGINEERING, INC.

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

STATE OF MISSOURI
DANIEL RICHARD SEITZOR
NUMBER PE-030292
PROFESSIONAL ENGINEER
7/26/19



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

SCALE - 1" = 200'

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED DECEMBER 12, 2018

DANIEL RICHARD FEEZOR
PE-030292

STATE OF MISSOURI
DANIEL RICHARD FEEZOR
NUMBER
PE-030292
PROFESSIONAL ENGINEER

7/26/19

PREPARED BY

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3377 Hollenberg Dr, Bridgeton, MO 63044. Ph: 217-483-3118
Missouri State Certificate Of Authority #: E-2009122111

PROJECT
BRIDGETON LANDFILL
2019 Q2 INFRASTRUCTURE SUBMITTAL
BRIDGETON, ST. LOUIS COUNTY, MO

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

JULY 2019
DESIGNED BY: AMR
APPROVED BY: DRF

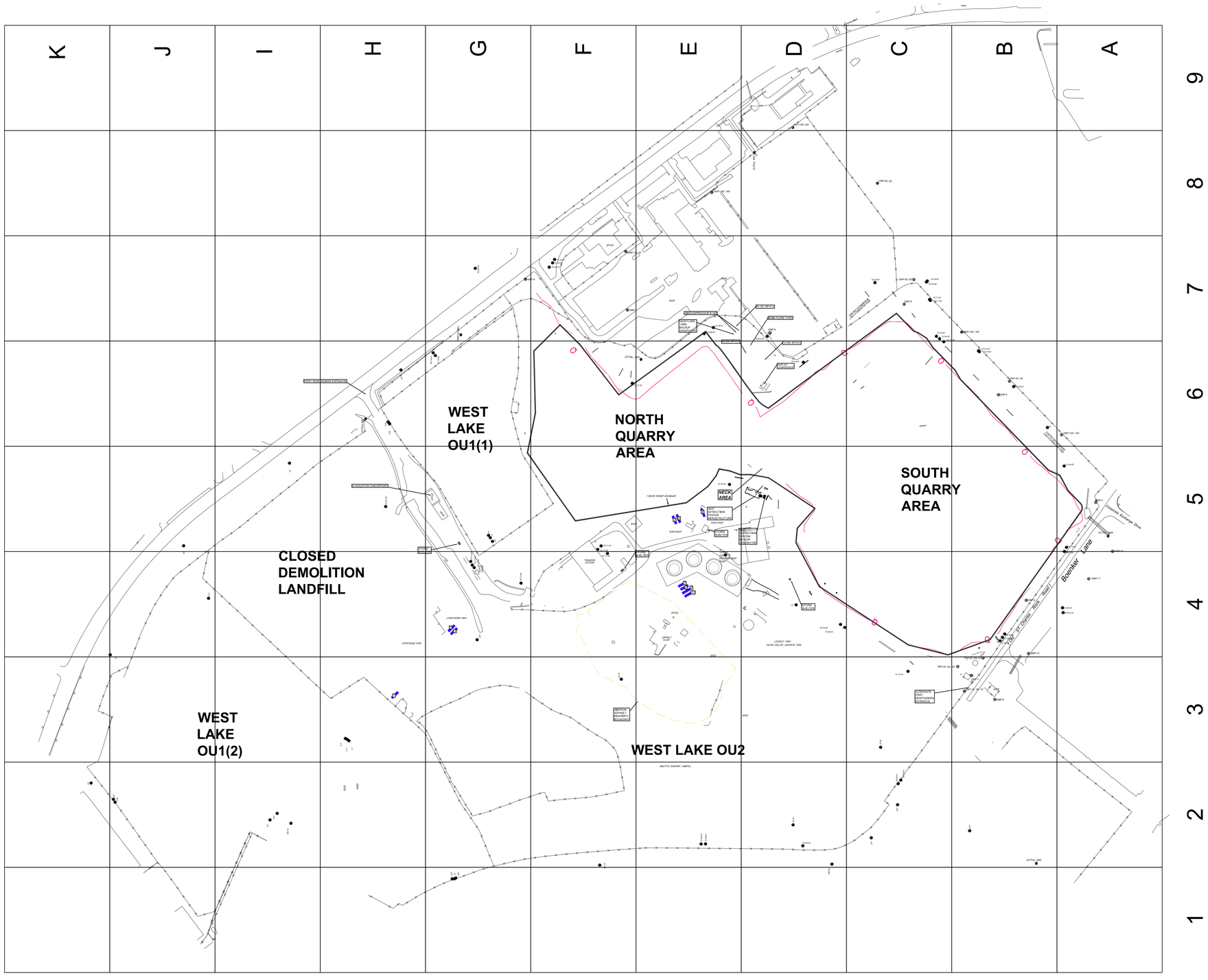
DRAWING # 001

REVISIONS:	DATE	DSN.	APV.

DRAWING TITLE

FULL SITE PLAN VIEW W/ AERIAL

PROJECT NUMBER: BT-130-19 | FILE PATH: C:\Users\arosher\Dropbox (Feezor Engineering)\Bridgeton\100-149\BT-130 (Quarterly Infrastructure)\2019\Q2 - Final Submittal\BT-130 - 2019 Q2



LEGEND

- SOLID WASTE BOUNDARY
- QUARRY WALL
- FENCE LINE
- GMP-4 GAS MONITORING PROBE
- PZ-108-SS PIEZOMETER MONITORING WELL

0 200 400 Feet

SCALE - 1" = 200'

NOTES:

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DANIEL RICHARD FEEZOR
PE-030292

STATE OF MISSOURI
DANIEL RICHARD FEEZOR
NUMBER PE-030292
PROFESSIONAL ENGINEER
2/26/19

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Missouri State Certificate Of Authority #: E 2009012213

PROJECT
BRIDGETON LANDFILL
2019 Q2 INFRASTRUCTURE SUBMITTAL
BRIDGETON, ST. LOUIS COUNTY, MO

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

JULY 2019
DESIGNED BY: AMR
APPROVED BY: DRF

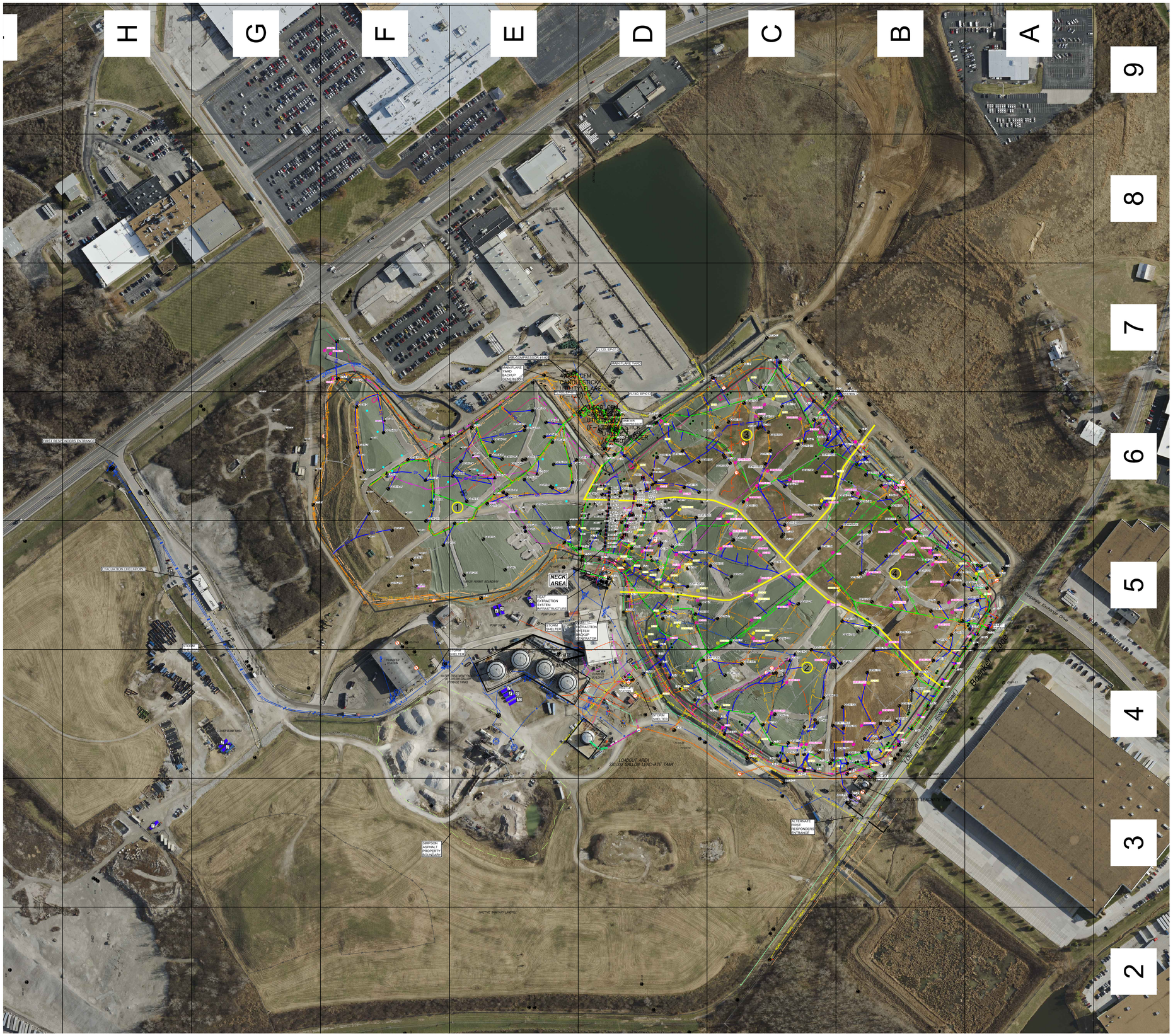
DRAWING #
002

REVISIONS:	DATE	DSN.	APV.

DRAWING TITLE

FULL SITE PLAN VIEW

PROJECT NUMBER: BT-130-19 | FILE PATH: C:\Users\amber\Dropbox (Feezor Engineering)\Bridgeton\100-149\BT-130 (Quarterly Infrastructure)\201912 - Final Submittals\BT-130 - 2019 Q2



LEGEND

	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-81	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
GEW-38	EXTRACTION POINT - ABANDONED
GEW-38	EXTRACTION POINT - NO LONGER PRESENT
GEW-38	EXTRACTION POINT - TEMPORARILY DECOMMISSIONED
CS-1	CONTAINMENT SUMP PUMP STATIION FOR TOE STRIP DRAIN
	DOWNSLOPE STRIP DRAIN COLLECTOR 6" RISER STUB
1	QUADRANT #
P	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)
GGU	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

0 150 300 Feet

SCALE - 1" = 150'

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED DECEMBER 12, 2018

DANIEL RICHARD FEEZOR
PE-030292

STATE OF MISSOURI
DANIEL RICHARD FEEZOR
NUMBER PE-030292
PROFESSIONAL ENGINEER
7/26/19

PREPARED BY

Engineering for a Better World
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3377 Hollenberg Dr, Bridgeton, MO 63044. Ph: 217.453.3118
Missouri State Certificate Of Authority #: E 2009032211

PROJECT
BRIDGETON LANDFILL
2019 Q2 INFRASTRUCTURE SUBMITTAL
BRIDGETON, ST. LOUIS COUNTY, MO

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

JULY 2019
DESIGNED BY: AMR
APPROVED BY: DRF

DRAWING # 003

REVISIONS:	DATE	DSN.	APV.

DRAWING TITLE

2019 Q2 SITE INFRASTRUCTURE

PROJECT NUMBER: BT-130-19 | FILE PATH: C:\Users\andre\Dropbox (Feezor Engineering)\Bridgeton\130-19\BT-130 (Quarterly Infrastructure)\2019Q2 - Final Submittals\BT-130 - 2019 Q2

LEGEND

	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
HC-1	HORIZONTAL COLLECTION SUMP
PS-15	PERIMETER SUMP
LCS-2D	LEACHATE COLLECTION SUMP
SC-61	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
RB-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
GEW-38	EXTRACTION POINT - ABANDONED
GEW-38	EXTRACTION POINT - NO LONGER PRESENT
GEW-38	EXTRACTION POINT - TEMPORARILY DECOMMISSIONED
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)
6GL	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
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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

0 100 200 Feet

SCALE - 1" = 100'

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED DECEMBER 12, 2018

DANIEL RICHARD FEEZOR
PE-030292

STATE OF MISSOURI
DANIEL RICHARD FEEZOR
NUMBER PE-030292
PROFESSIONAL ENGINEER
7/24/19

PREPARED BY

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3377 Hollenberg Dr. Bridgeton, MO 63044. Ph: 217-483-3118
Missouri State Certificate Of Authority #: E-2009132111

PROJECT
BRIDGETON LANDFILL
2019 Q2 INFRASTRUCTURE SUBMITTAL
BRIDGETON, ST. LOUIS COUNTY, MO

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

JULY 2019
DESIGNED BY: AMR
APPROVED BY: DRF

DRAWING # 004

REVISIONS:	DATE	DSN.	APV.

DRAWING TITLE
2019 Q2 SITE INFRASTRUCTURE (UPDATES IN Q2 SHOWN IN COLOR)

PROJECT NUMBER: BT-130-19 | FILE PATH: C:\Users\arroke\Dropbox (Feezor Engineering)\Bridgeton\130-1\WBT-130 (Quarterly Infrastructure)\2019Q2 - Final Submittals\BT-130 - 2019 Q2

LEGEND

	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
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	LEACHATE ISOLATION VALVE
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CTHC-1	CONDENSATE TRAP/HEADER CONNECTION SUMP
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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
GEW-38	EXTRACTION POINT - ABANDONED
GEW-38	EXTRACTION POINT - NO LONGER PRESENT
GEW-38	EXTRACTION POINT - TEMPORARILY DECOMMISSIONED
CS-1	CONTAINMENT SUMP PUMP STATIION FOR TOE STRIP DRAIN
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1	QUADRANT #
	POWER PANEL
Q	QUARRY WALL
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0 100 200 Feet

SCALE - 1" = 100'

NOTES:
- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED DECEMBER 12, 2018

DANIEL RICHARD FEEZOR
PE-030292

STATE OF MISSOURI
DANIEL RICHARD FEEZOR
NUMBER PE-030292
PROFESSIONAL ENGINEER

7/24/19

PREPARED BY

Engineering for a Better World
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Missouri State Certificate Of Authority #: E-2009312211

PROJECT
BRIDGETON LANDFILL
2019 Q2 INFRASTRUCTURE SUBMITTAL
BRIDGETON, ST. LOUIS COUNTY, MO

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

JULY 2019
DESIGNED BY: AMR
APPROVED BY: DRF

DRAWING # 005

REVISIONS:	DATE	DSN.	APV.

DRAWING TITLE
2019 Q2 SITE INFRASTRUCTURE (REMOVED IN Q2 SHOWN IN RED)

PROJECT NUMBER: BT-130-19 | FILE PATH: C:\Users\arobe\Dropbox (Feezor Engineering)\Bridgeton\100+\19\BT-100 (Quarterly Infrastructure)\2019 Q2 - Final Submittals\BT-130 - 2019 Q2