

## CITY OF HIGH POINT

KERSEY VALLEY LANDFILL FACILITY  
RESOLUTION TO APPROVE THE AREA 3 LANDFILL EXPANSION

BE IT RESOLVED that the High Point City Council hereby grants approval for the issuance of a solid waste permit by the NC DEQ's Division of Waste Management (DWM) for the proposed Area 3 municipal solid waste (MSW) landfill unit at the City's Kersey Valley Landfill facility in compliance with North Carolina Solid Waste Management Rules T15A NCAC 13B .1618(c)(5)(A).

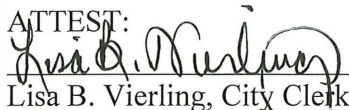
The proposed Area 3 landfill unit consists of approximately 19.2 acres of waste footprint located within the incorporated limits of the City of High Point as shown the attached **Drawing S1**. The City Council hereby approves the following items related to the landfill facility:

1. Service Area:  
The landfill facility serves the Counties of Guilford, Randolph, Davidson, and Forsyth in the State of North Carolina (approximate population of 1,143,706 people based on Census 2010 data and 1,222,734 based on 2018 estimates).
2. Waste Types and Disposal Rates:  
The landfill facility will accept municipal solid waste (MSW) at a maximum rate of 200,000 tons/year (791 tons/day based on 253 operating days per year).
3. Landfill Capacity:  
The landfill facility will provide the following gross capacities (volume of waste plus periodic and final cover soil) consistent with the contours shown on the attached **Drawings S2 and S3**:

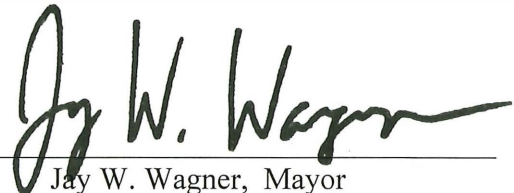
Landfill Unit	Waste Footprint	Gross Capacity
Area 1 (Phases 1-3A) (Existing)	39.1 Acres	3,343,678 CY
Area 2 (Phases 4-5B) (Existing)	28.1 Acres	2,574,276 CY
Area 3 (Phases 6-10) (Proposed)	19.2 Acres	4,611,076 CY

4. Landfill Service Life:  
The Area 3 landfill unit is projected to have an approximate service life of approximately 20 years based on an average disposal rate of 120,000 tons/year.

Adopted by the City Council  
City of High Point, North Carolina  
The 15<sup>th</sup> day of July, 2019

ATTEST:  
  
Lisa B. Vierling, City Clerk



By:   
Jay W. Wagner, Mayor



**CITY OF HIGH POINT  
DEPARTMENT OF  
PUBLIC SERVICES  
HIGH POINT, NC**

PREPARED BY: \_\_\_\_\_ NC LIC. NO. F-1376 (ENGINEERING)  
SC DEA NO. 021481

**SMITH+  
GARDNER**  
ENGINEERS

14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577  
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Project title: \_\_\_\_\_

**KERSEY VALLEY MSW LANDFILL  
AREA 3  
PROPOSED FACILITY PLAN**

DRAWING TITLE:

### EXISTING CONDITIONS

LEGEND

- |   |  |
|---|--|
|    | EXISTING 1 <sup>ST</sup> CONTOUR   |
|    | EXISTING 2 <sup>ND</sup> CONTOUR   |
|    | PROPERTY LINE  |
|    | PARCEL BOUNDARY  |
|    | FACILITY BOUNDARY  |
|    | SOIL STOCKPILE BOUNDARY (APPROXIMATE)  |
|    | STREAM (PERMANENT AND INTERMITTENT)  |
|    | LIMITS OF DISPOSAL AREA (LAND)   |
|    | LIMITS OF PROPOSED AREA 3  |
|   | EXISTING MONITORING WELL   |
|  | ABANDONED MONITORING WELL  |
|  | EXISTING SURFACE WATER MONITORING POINT  |
|  | EXISTING LANDFILL GAS MONITORING WELL<br>(GW-8 INTRUSION GW-12 ARE<br>APPROXIMATE LOCATIONS) |
|  | EXISTING LANDFILL GAS MONITORING WELL<br>(NOT INCLUDED IN ROUTINE MONITORING<br>NETWORK)     |
|  | PROPERTY TO BE ADDED TO FACILITY<br>BOUNDARY   |

## NOTES

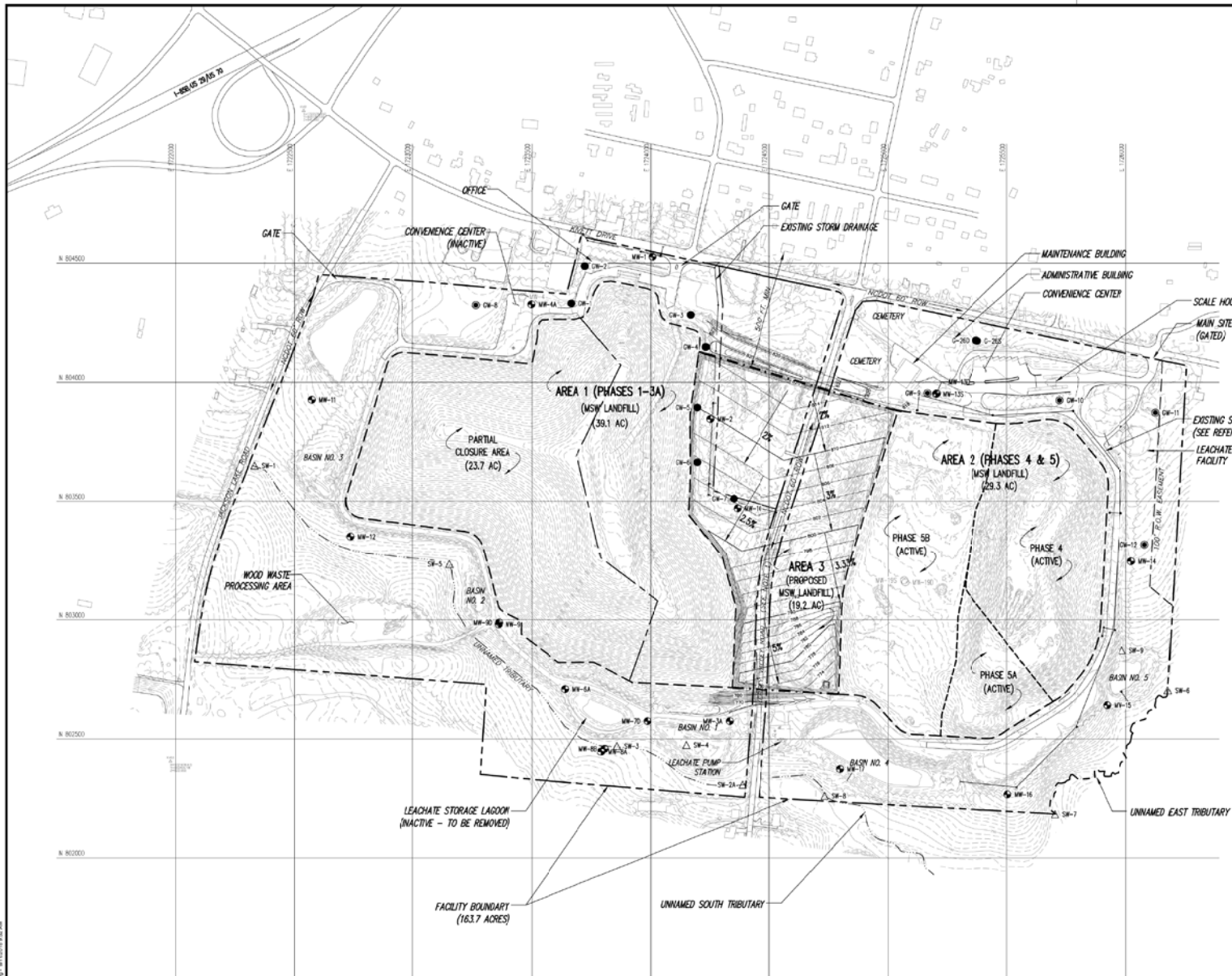
1. THE CITY INTENDS TO ASSUME CONTROL AND CLOSE TO PUBLIC ACCESS THE PORTION OF KERSEY VALLEY ROAD THROUGH THE SITE. RELATED WORK IS ONGOING WITH THE NCDOT.

## REFERENCES

- REFERENCES**
1. EXISTING TOPOGRAPHY PROVIDED BY SPATIAL DATA CONSULTANTS, INC., DATED MAY 16, 2017. TOPOGRAPHY IN ACTIVE AREAS (AREA 2) FROM UAS FLIGHT DATED JUNE 26, 2018 BY NETHERS RAVENEL, CARY, NC. TOPOGRAPHY BEYOND THE LIMITS OF AERIAL SURVEY PROVIDED BY GUILFORD COUNTY GIS DEPARTMENT, UNKNOWN DATE.
  2. STORM DRAINAGE IS-BUILT SURVEY DATED AUGUST 20, 2010 BY C. EDWARD MOORE, JR., PLS. SUMMERFIELD, NC.



DESIGNED	P.K.S.	PROJECT NO.	HPOINT 17
DRAWN	C.T. J.	SCALE	AS SHOWN
APPROVED	P.K.S.	DATE	MAY 2019
FILE NAME HP-D0551			
SHEET NUMBER		DRAWING NUMBER	



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**CITY OF HIGH POINT  
DEPARTMENT OF  
PUBLIC SERVICES  
HIGH POINT, NC**

PREPARED BY: \_\_\_\_\_ NC LIC. NO. F-1376 (ENGINEERING)  
SC-COA NO. 020489

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GARDNER**  
ENGINEERS

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SEAL:

Designated By: *Peter K. Sohr*

02/15/06

NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
PETER K. SOHR

5/8/2019

SEAL

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PROJECT TITLE:

**KERSEY VALLEY MSW LANDFILL  
AREA 3  
PROPOSED FACILITY PLAN**

DRAWING TITLE
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### SITE DEVELOPMENT PLAN BASE GRADES

LEGEND	
—————	EXISTING 10' CONTOUR
-----	EXISTING 2' CONTOUR
- - - - -	PROPERTY LINE
▬▬▬▬▬	FACILITY BOUNDARY
▬▬▬▬▬	SOIL SCORPION BOUNDARY (APPROXIMATE)
~~~~~	STREAM (PERMANENT AND INTERMITTENT)
▬▬▬▬▬	LIMITS OF DISPOSAL AREA (LINGS)
▬▬▬▬▬	LIMITS OF PROPOSED AREA 3
⊙ MW-1	EXISTING MONITORING WELL
⊙ MW-190	ABANDONED MONITORING WELL
△ SW-3	EXISTING SURFACE WATER MONITORING POINT
● CW-3	EXISTING LANDFILL GAS MONITORING WELL (OW-4 THROUGH OW-12 ARE APPROXIMATE LOCATIONS)
⊙ CW-7	EXISTING LANDFILL GAS MONITORING WELL (NOT INCLUDED IN ROUTINE MONITORING NETWORK)

**NOTES**

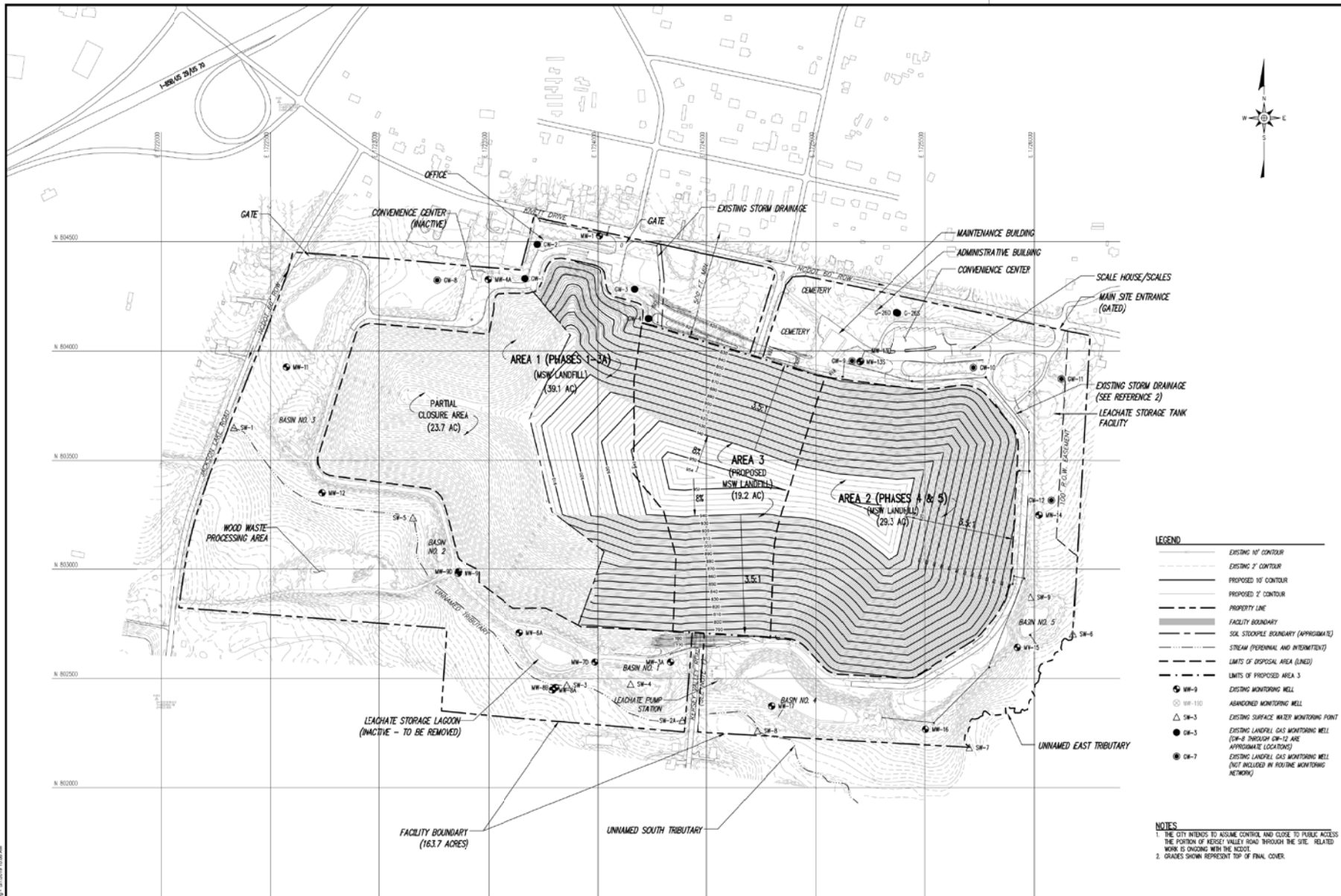
1. THE CITY INTENDS TO ASSUME CONTROL AND CLOSE TO PUBLIC ACCESS THE PORTION OF KERSEY VALLEY ROAD THROUGH THE SITE. RELATED WORK IS ONGOING WITH THE MCDOT.
2. GRADES SHOWN FOR AREA 3 REPRESENT TOP OF SUBGRADE.

## REFERENCES

1. EXISTING TOPOGRAPHY PROVIDED BY SPATIAL DATA CONSULTANTS, INC., DATED MAY 16, 2017. TOPOGRAPHY IN ACTIVE AREAS (AREA 2) FROM UAS FLIGHT DATED JUNE 26, 2018 BY NIKHEER RAVENEL, CARY, NC.
2. STORM DRAINAGE 45-BUILT SURVEY DATED AUGUST 20, 2010 BY C. EDWARD MOORE, JR., PLS. SUMMERFIELD, NC.

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PREPARED FOR:

**CITY OF HIGH POINT  
DEPARTMENT OF  
PUBLIC SERVICES  
HIGH POINT, NC**

PREPARED BY: \_\_\_\_\_ NC LIC. NO. F-1374 ENGINEERING  
SC CCA NO. C04488

**SMITH+**  
**GARDNER**  
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PROJECT TITLE:

**KERSEY VALLEY MSW LANDFILL  
AREA 3  
PROPOSED FACILITY PLAN**

DRAWING TITLE:

### SITE DEVELOPMENT PLAN FINAL COVER GRADES

LEGEND

- |        |                                                                                    |
|--------|------------------------------------------------------------------------------------|
| —————  | EXISTING 10' CONTOUR                                                               |
| —————  | EXISTING 2' CONTOUR                                                                |
| —————  | PROPOSED 10' CONTOUR                                                               |
| —————  | PROPOSED 2' CONTOUR                                                                |
| —————  | PROPERTY LINE                                                                      |
| —————  | SOIL SCLOPES BOUNDARY                                                              |
| —————  | SOIL SCLOPES BOUNDARY (APPROXIMATE)                                                |
| —————  | STREAM (PERMANENT AND INTERMITTENT)                                                |
| —————  | LIMITS OF DISPOSAL AREA (LINED)                                                    |
| —————  | UNITS OF PROPOSED AREA 3                                                           |
| ● W-9  | EXISTING MONITORING WELL                                                           |
| ● W-10 | ABANDONED MONITORING WELL                                                          |
| △ S-3  | EXISTING SURFACE WATER MONITORING POINT                                            |
| ● D-3  | EXISTING LANDFILL GAS MONITORING WELL (D-9 THROUGH D-12 ARE APPROPRIATE LOCATIONS) |
| ● D-7  | EXISTING LANDFILL GAS MONITORING WELL (NOT INCLUDED IN ROUTINE MONITORING NETWORK) |

## NOTES

1. THE CITY INTENDS TO ASSUME CONTROL AND CLOSE TO PUBLIC ACCESS THE PORTION OF KERSEY VALLEY ROAD THROUGH THE SITE. RELATED WORK IS ONGOING WITH THE NCDOT.
2. GRADES SHOWN REPRESENT TOP OF FINAL COVER.

## REFERENCES

1. EXISTING TOPOGRAPHY PROVIDED BY SPATIAL DATA CONSULTANTS, INC., DATED MAY 16, 2017. TOPOGRAPHY IN ACTIVE AREAS (AREA 2) FROM UAS FLIGHT DATED JUNE 26, 2018 BY WITHERS RAVENEL, CARY, NC.
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