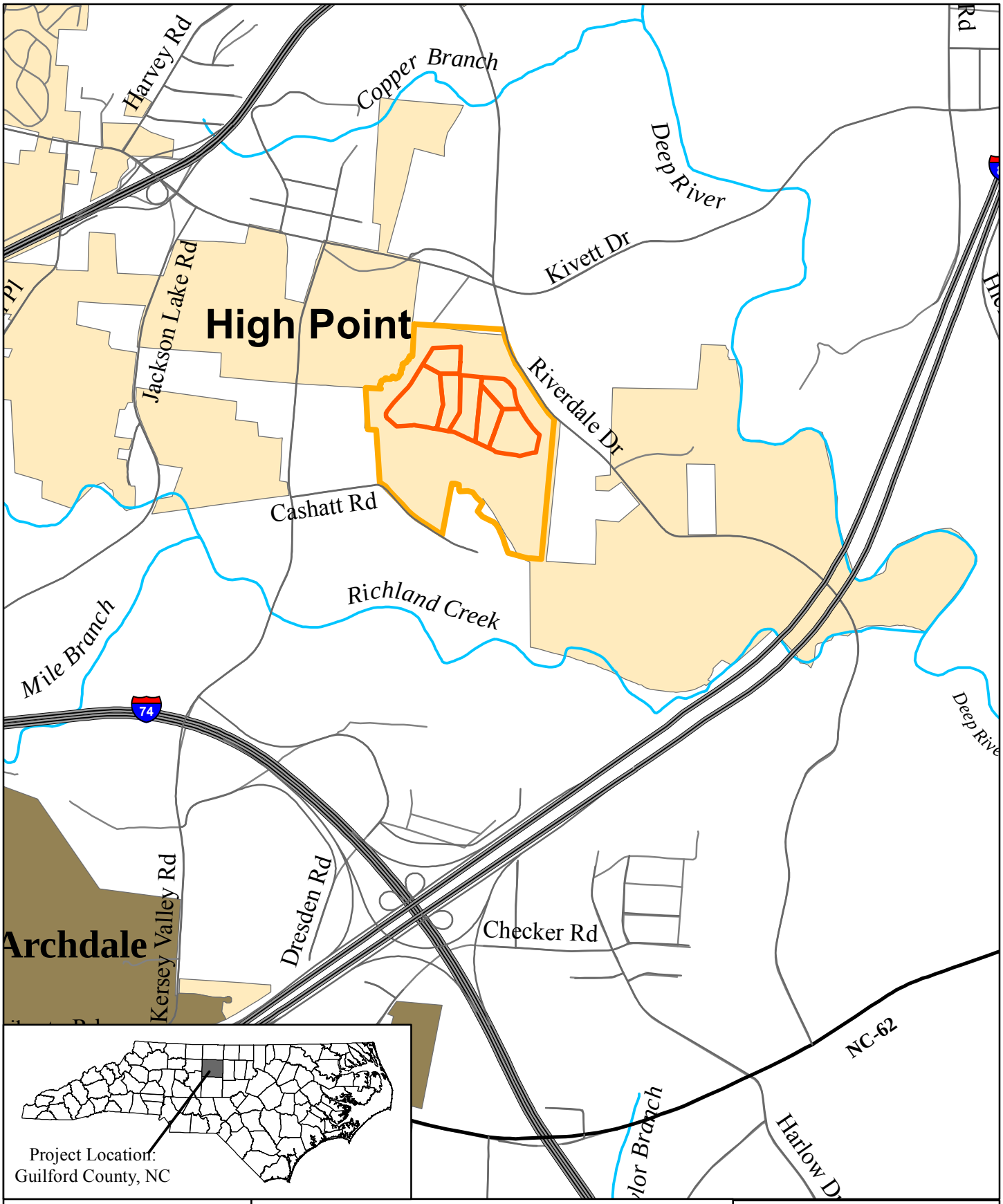


CAROLINA ECOSYSTEMS, INC.
3040 NC 42 West; Clayton, NC 27520
P: (919)-606-1065 F:(919)-585-5570

Septermber 2015

N

0 0.25 0.5 Miles

Property Boundary
USGS Named Streams
Proposed Landfill Cells

Figure 1: Project Vicinity

High Point Landfill, LLC
High Point C&D Landfill
Guilford County, NC

CAROLINA ECOSYSTEMS
3040 NC 42 West; Clayton, NC 27520
P: (919)-606-1065 F:(919)-585-5570

September 2015

N

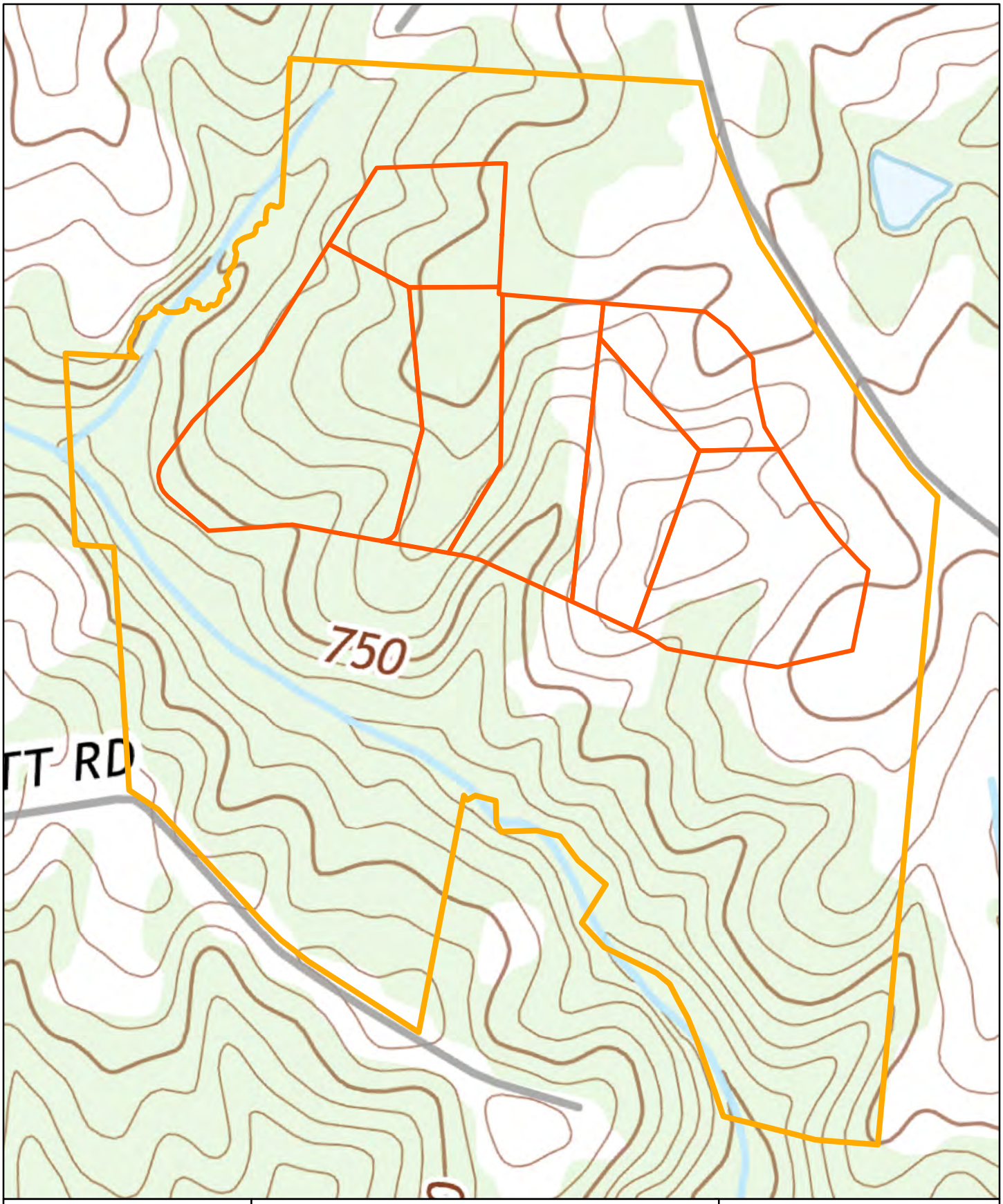
Feet

0 250 500

Proposed Landfill Cells
Property Boundary
Watershed Tiers
Wetlands
Streams
Zone 1 Buffers
Zone 2 Buffers

Figure 2: Jurisdictional Features

High Point Landfill, LLC
High Point C&D Landfill
Guilford County, NC



Carolina Ecosystems, Inc.
3040 NC 42 West; Clayton, NC 27520
P: (919)-606-1065 F:(919)-585-5570

September 2015

N

Feet

0 250 500

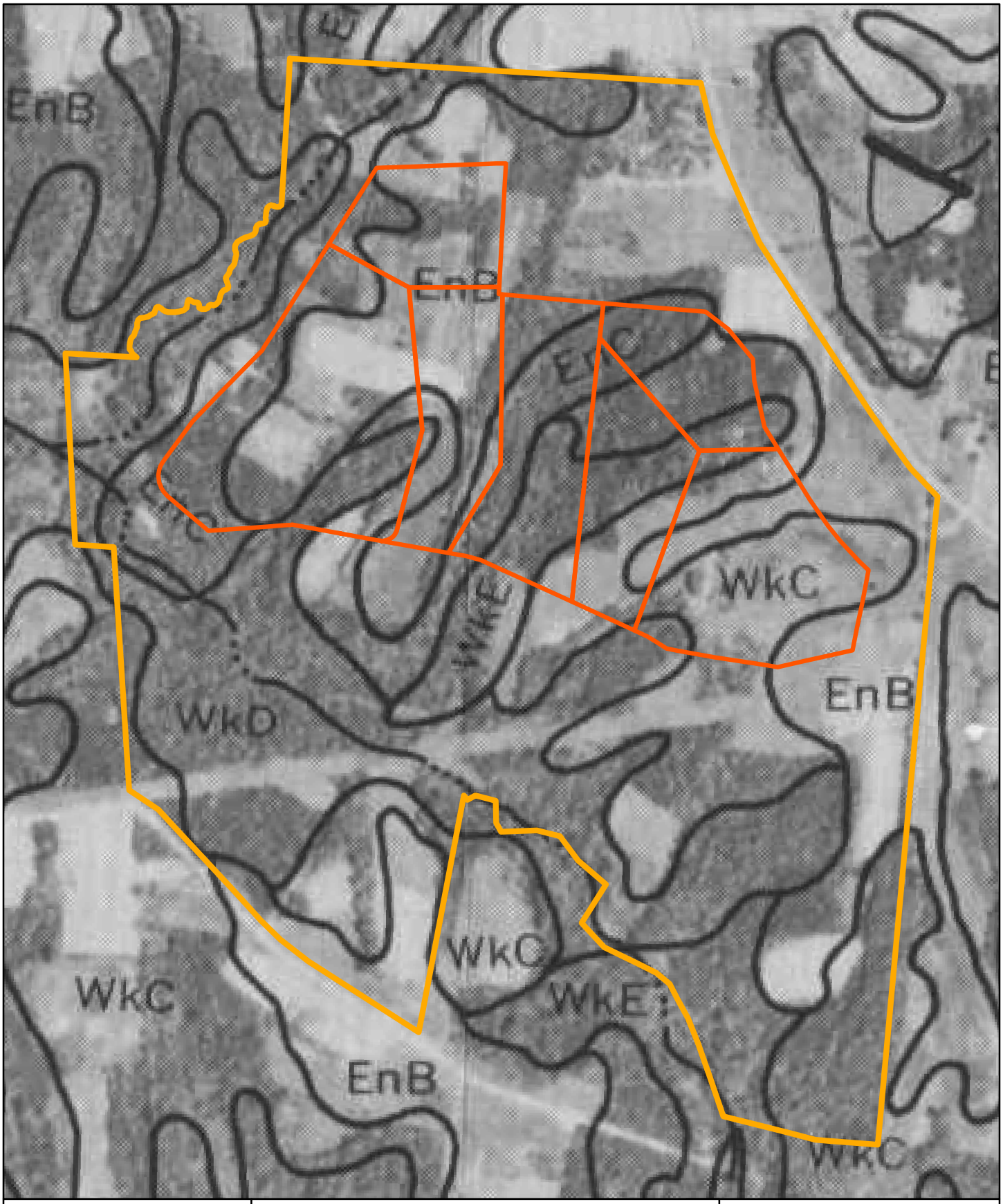
Property Boundary

Proposed Landfill Cells

High Point East (2013) USGS 1:24000 Quadrangle Map

Figure 4: USGS Map

High Point Landfill, LLC
High Point C&D Landfill
Guilford County, NC



CAROLINA ECOSYSTEMS, INC.
3040 NC 42 West; Clayton, NC 27520
P: (919)-606-1065 F:(919)-585-5570

September 2015

N

Feet

0 250 500

Property Boundary

Proposed Landfill Cells

Guilford County Soil Survey Sheets 44 and 38

Figure 5: NRCS Soil Survey

High Point Landfill, LLC
High Point C&D Landfill
Guilford County, NC

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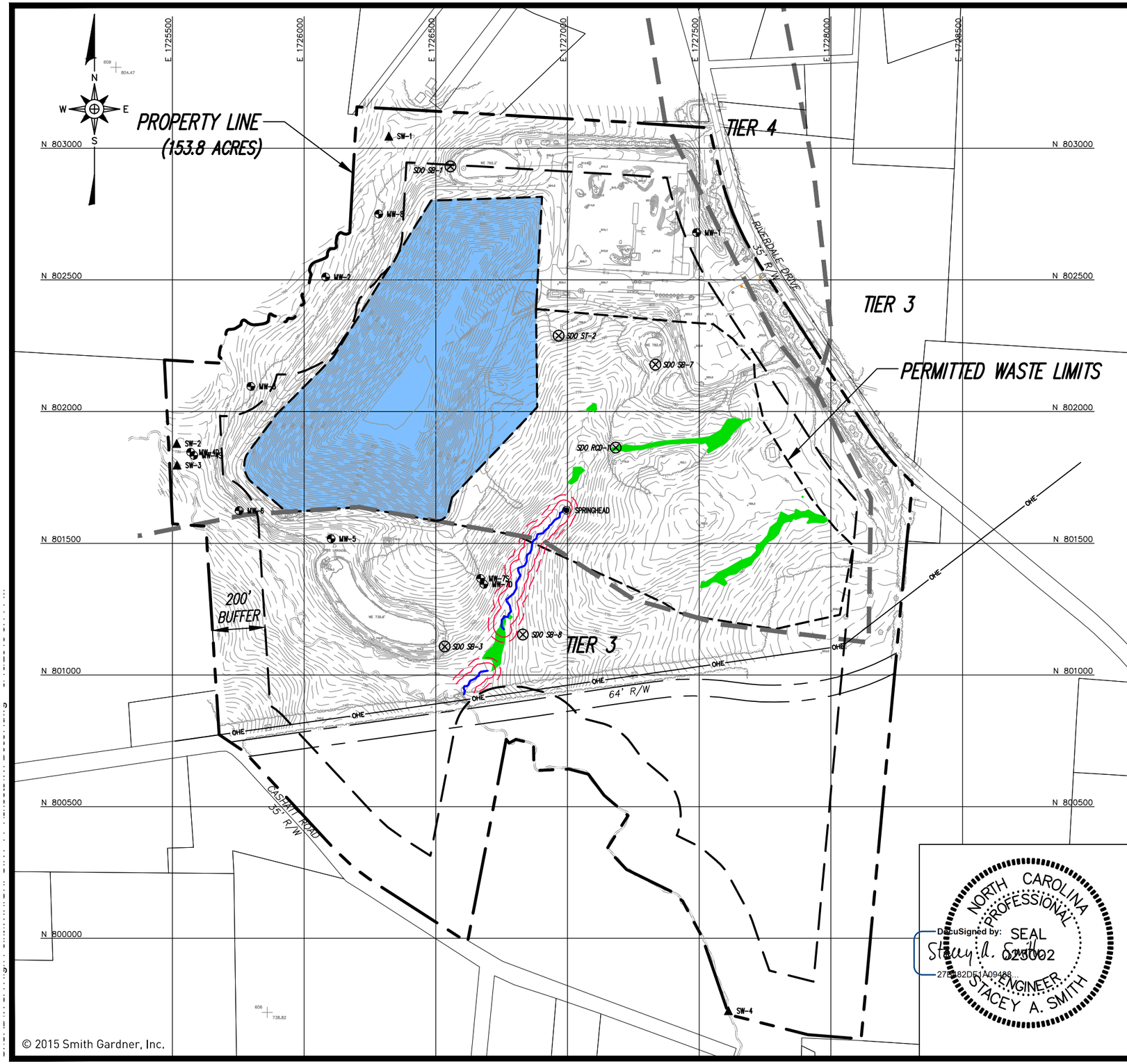

PRELIMINARY ISSUE

FOR MAJOR WATERSHED VARIANCE

LEGEND

- 200' PROPERTY LINE BUFFER
- DEDICATED ROADWAY EASEMENT
- PARCELS (SEE REFERENCE 6)
- ZONE 1 BUFFER
- ZONE 2 BUFFER
- RANDLEMAN WATERSHED TIERS (SEE REFERENCE 4)
- SDO SB-1 — NPDES MONITORING LOCATION
- MW-5 — GW MONITORING WELL
- SW-1 — SURFACE WATER MONITORING LOCATION
- LIMITS OF ACTIVE AREA

NOTES:

1. THERE ARE NO FEMA FLOOD HAZARDS WITHIN THE PROPERTY. THE CLOSEST FLOOD HAZARD ZONE IS LOCATED APPROXIMATELY 0.4 MILES FROM THE PERMITTED WASTE LIMITS.
2. THE PROPERTY IS ZONED CU-AG (PER ZONING CASE 01-19). ALL ADJOINING PROPERTIES ARE ZONED EITHER RURAL DEVELOPMENT OR HEAVY INDUSTRIAL.
3. THIS SUBMITTAL IS FOR PRELIMINARY PLANNING PURPOSES. CERTIFICATIONS WILL BE ADDED AS THEY ARE RECEIVED AND PACED ON THE FINAL ISSUE SUBMITTAL.
4. THE FACILITY IS LOCATED AT:
   5822 RIVERDALE DR., JAMESTOWN, NC
   PHONE: (336) 870-4171

REFERENCES:

1. FACILITY PROPERTY LINE REFERENCE: SURVEY BY MARK TERRY AND ASSOCIATES, INC., DATED MAY 15, 2001.
2. EXISTING TOPOGRAPHY FROM AERIAL SURVEY DATED JUNE 30, 2012 BY GEODATA CORPORATION, ZEBULON, NC. TOPOGRAPHY IN ACTIVE AREAS FROM FIELD SURVEY DATED JANUARY 13, 2015 BY SURVEYING SOLUTIONS, P.C., LOUISBURG, NC.
3. ORIGINAL GRADES FROM GOLDER AND ASSOCIATES.
4. WETLAND LOCATIONS AND RANDLEMAN WATERSHED TIERS PROVIDED BY CAROLINA ECOSYSTEMS, MARCH 2015.
5. FEMA PANELS 371078200J AND 3710772900K.
6. PARCEL INFORMATION OBTAINED FROM GUILFORD COUNTY GIS DEPARTMENT.

0 400' 800'

NORTH CAROLINA PROFESSIONAL SEAL 023002 ENGINEER STACEY A. SMITH

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FIGURE NO.	1
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FILENAME:	WI-B0987
DRAWN:	J.A.L.
APPROVED:	S.A.S.
PROJECT NO:	WIHIGHPOINT 14-1
DATE:	Sep 2015

PREPARED FOR:

HIGH POINT LANDFILL, LLC
HIGH POINT C&D LANDFILL
EXISTING CONDITIONS

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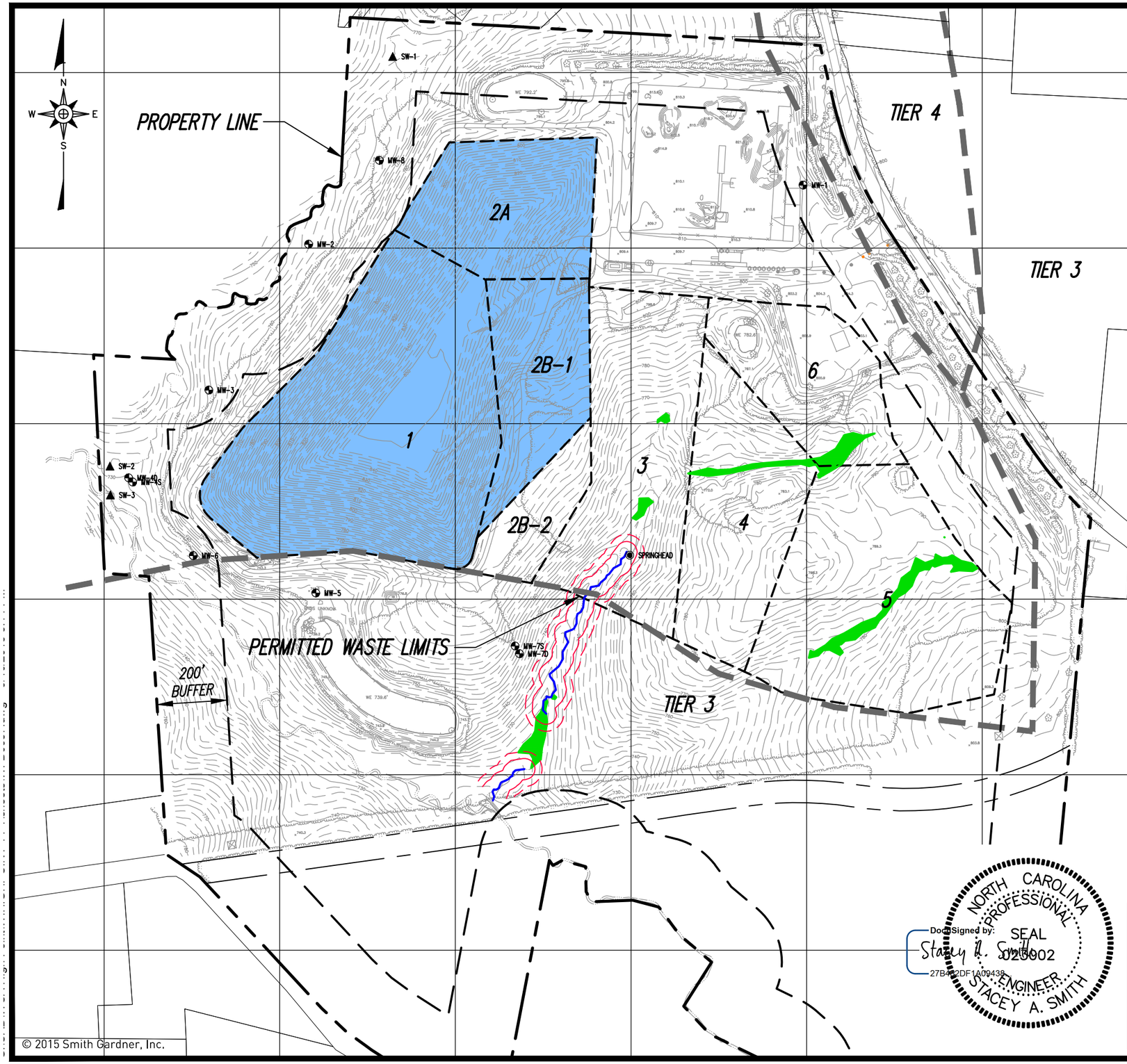

ESTIMATED LIFE PER PHASE

PHASE	ESTIMATED LIFE (YEARS)
1	FILLED
2A	FILLED
2B-1	2.4
2B-2	1.2
3	4.0
4	4.0
5	4.1
6	4.5

LEGEND

- 200' PROPERTY LINE BUFFER
- DEDICATED ROADWAY EASEMENT
- ZONE 1 BUFFER
- ZONE 2 BUFFER
- RANDLEMAN WATERSHED TIERS
- MW-5 GW MONITORING WELL
- SW-1 SURFACE WATER MONITORING LOCATION
- LIMITS OF ACTIVE AREA

REFERENCES:

1. FACILITY PROPERTY LINE REFERENCE: SURVEY BY MARK TERRY AND ASSOCIATES, INC., DATED MAY 15, 2001.
2. EXISTING TOPOGRAPHY FROM AERIAL SURVEY DATED JUNE 30, 2012 BY GEODATA CORPORATION, ZEBULON, NC. TOPOGRAPHY IN ACTIVE AREAS FROM FIELD SURVEY DATED JANUARY 13, 2015 BY SURVEYING SOLUTIONS, P.C., LOUISBURG, NC.
3. ORIGINAL GRADES FROM GOLDER AND ASSOCIATES.

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PRELIMINARY ISSUE

FOR MAJOR WATERSHED VARIANCE

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PREPARED FOR:

HIGH POINT LANDFILL, LLC
HIGH POINT C&D LANDFILL
OVERALL SITE PLAN

DRAWN:	T.R.S.
APPROVED:	S.A.S.
SCALE:	AS SHOWN
FIGURE NO.	6
DATE:	Sep 2015
PROJECT NO:	WIHIGHPOINT 14-1
FILENAME:	WI-B0987

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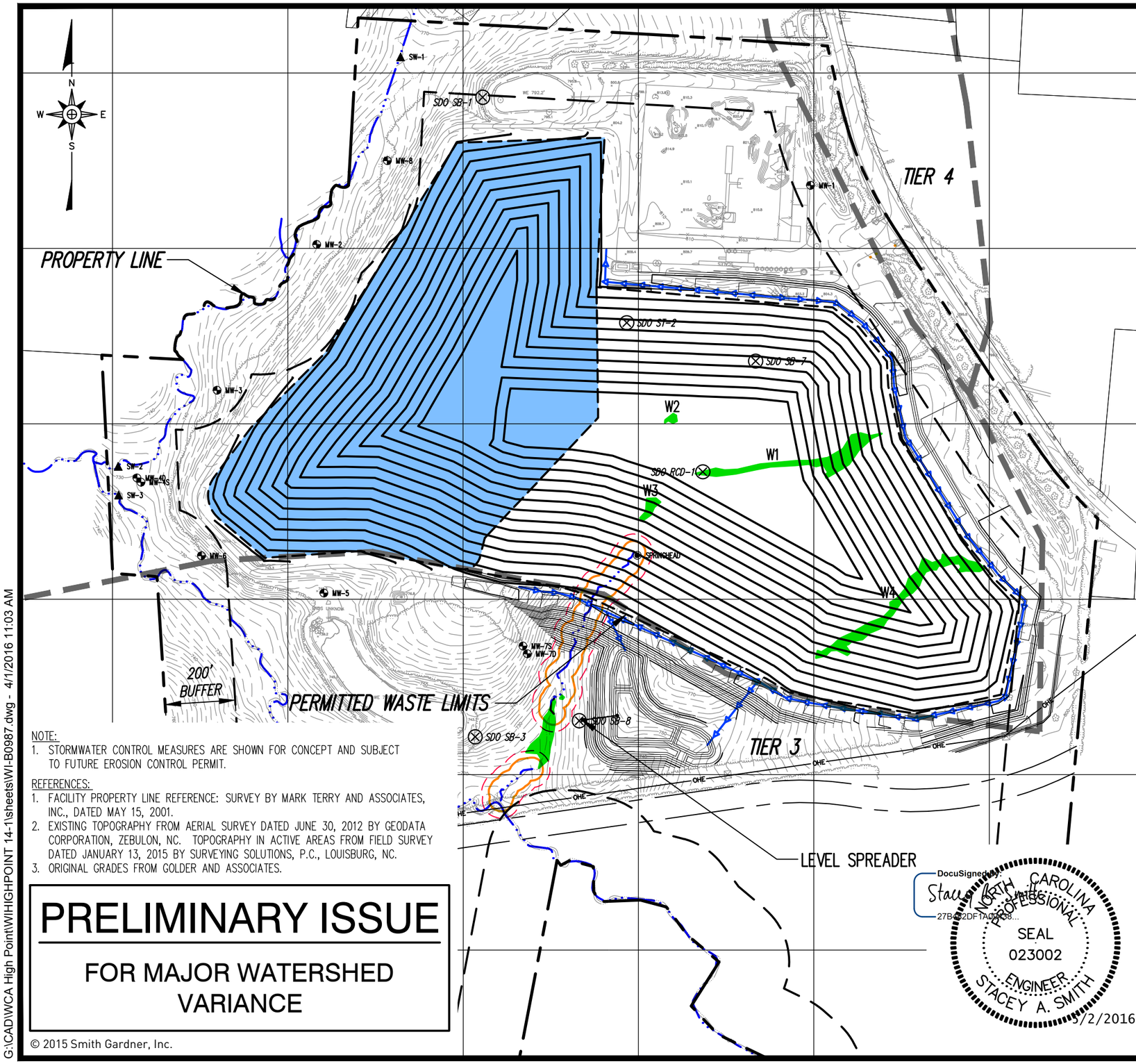

AIRSPACE	
LANDFILL VOLUME (CY)	LANDFILL AREA (ACRES)
3,301,363	46.0

IMPACTS		
DESCRIPTION		QUANTITY (WITHIN LANDFILL LIMITS)
WETLANDS	W1	11,022 SQ. FT.
	W2	489 SQ. FT.
	W3	1,415 SQ. FT.
	W4	13,147 SQ. FT.
BUFFER	ZONE 1	23,484 SQ. FT.
	ZONE 2	16,111 SQ. FT.
STREAM	LANDFILL	193 LINEAR FT.
	STRUCTURAL FILL	201 LINEAR FT.
TEMPORARY IMPACTS	ZONE 1	732 SQ. FT.
	ZONE 2	491 SQ. FT.
	STREAM	10 LINEAR FT.

LEGEND

- 200' PROPERTY LINE BUFFER
- DEDICATED ROADWAY EASEMENT
- ZONE 1 BUFFER
- ZONE 2 BUFFER
- STORM WATER FLOW
- RANDLEMAN WATERSHED TIERS
- SDO SB-1 — NPDES MONITORING LOCATION
- MW-5 — GW MONITORING WELL
- SW-1 — SURFACE WATER MONITORING LOCATION
- LIMITS OF ACTIVE AREA

0 300' 600'

NOTE:
1. STORMWATER CONTROL MEASURES ARE SHOWN FOR CONCEPT AND SUBJECT TO FUTURE EROSION CONTROL PERMIT.

REFERENCES:
1. FACILITY PROPERTY LINE REFERENCE: SURVEY BY MARK TERRY AND ASSOCIATES, INC., DATED MAY 15, 2001.
2. EXISTING TOPOGRAPHY FROM AERIAL SURVEY DATED JUNE 30, 2012 BY GEODATA CORPORATION, ZEBULON, NC. TOPOGRAPHY IN ACTIVE AREAS FROM FIELD SURVEY DATED JANUARY 13, 2015 BY SURVEYING SOLUTIONS, P.C., LOUISBURG, NC.
3. ORIGINAL GRADES FROM GOLDER AND ASSOCIATES.

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FOR MAJOR WATERSHED VARIANCE

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FIGURE NO.	5
SCALE:	AS SHOWN
APPROVED:	S.A.S.
DRAWN:	C.T.J.
DATE:	Apr 2016
PROJECT NO:	WIHIGHPOINT 14-1
FILENAME:	WI-B0987

PREPARED FOR:
HIGH POINT LANDFILL, LLC
HIGH POINT C&D LANDFILL
PROPOSED SITE DEVELOPMENT

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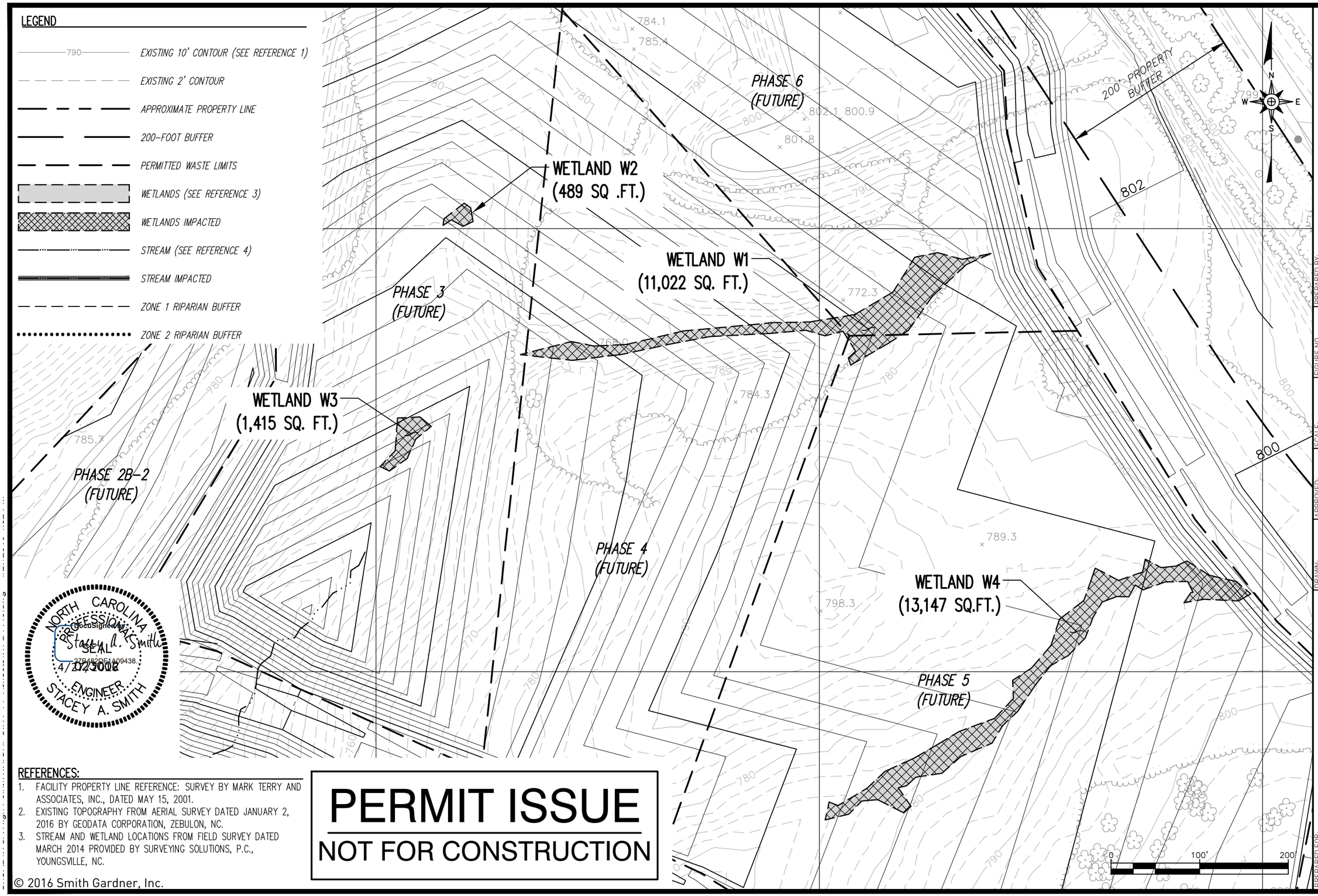
LEGEND

- EXISTING 10' CONTOUR (SEE REFERENCE 1)
- EXISTING 2' CONTOUR
- APPROXIMATE PROPERTY LINE
- 200-FOOT BUFFER
- PERMITTED WASTE LIMITS
- WETLANDS (SEE REFERENCE 3)
- WETLANDS IMPACTED
- STREAM (SEE REFERENCE 4)
- STREAM IMPACTED
- ZONE 1 RIPARIAN BUFFER
- ZONE 2 RIPARIAN BUFFER



NORTH CAROLINA PROFESSIONAL SEAL ENGINEER STACEY A. SMITH

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REFERENCES:

1. FACILITY PROPERTY LINE REFERENCE: SURVEY BY MARK TERRY AND ASSOCIATES, INC., DATED MAY 15, 2001.
2. EXISTING TOPOGRAPHY FROM AERIAL SURVEY DATED JANUARY 2, 2016 BY GEODATA CORPORATION, ZEBULON, NC.
3. STREAM AND WETLAND LOCATIONS FROM FIELD SURVEY DATED MARCH 2014 PROVIDED BY SURVEYING SOLUTIONS, P.C., YOUNGSVILLE, NC.

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PREPARED FOR:

HIGH POINT LANDFILL, LLC
HIGH POINT C&D LANDFILL
WETLANDS IMPACT

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APPROVED:	S.W.H.
SCALE:	AS SHOWN
DATE:	Apr 2016
PROJECT NO:	WIHIGHPOINT 14-1
FILENAME:	WI-B1143
FIGURE NO.	1

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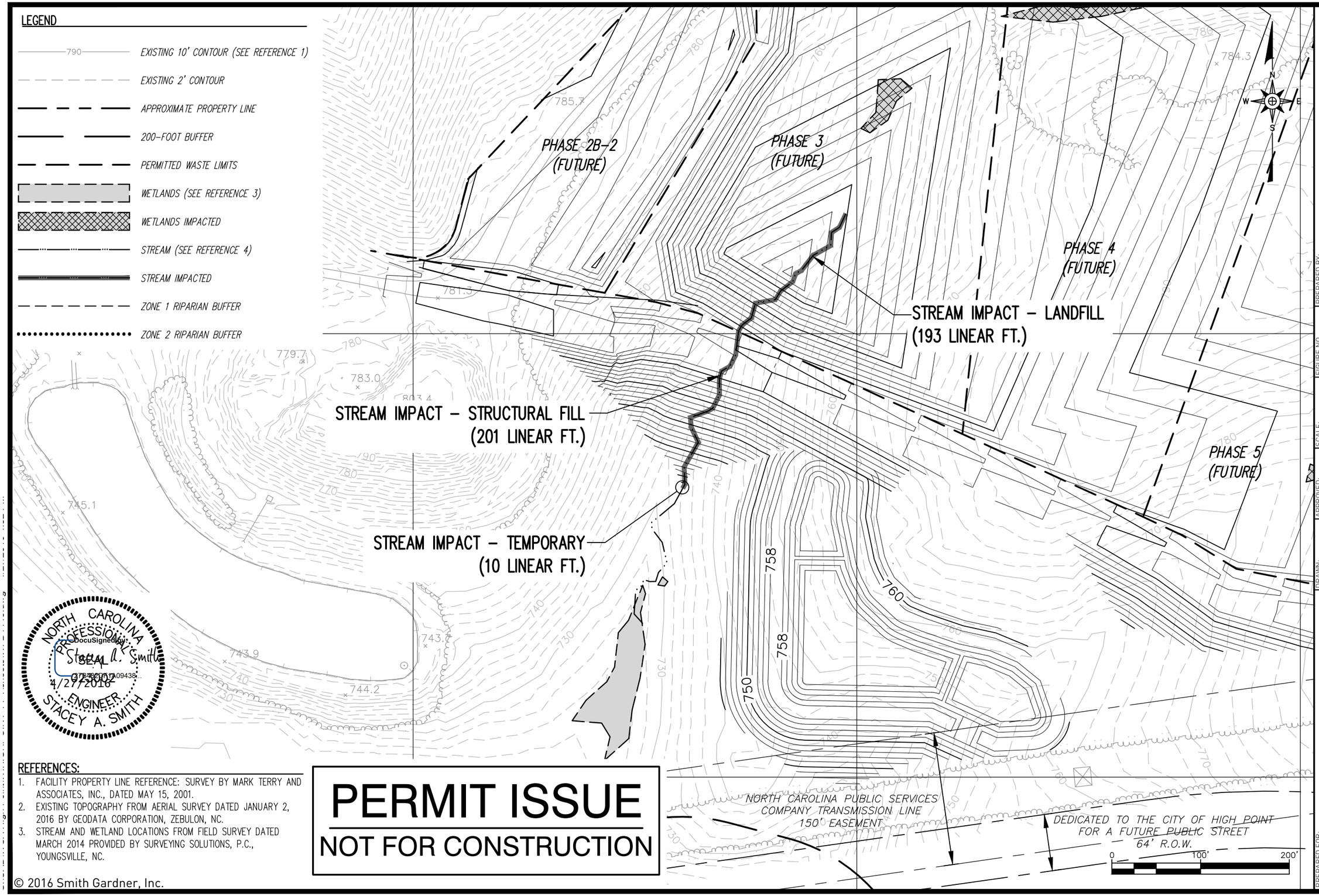
LEGEND

- EXISTING 10' CONTOUR (SEE REFERENCE 1)
- EXISTING 2' CONTOUR
- APPROXIMATE PROPERTY LINE
- 200-FOOT BUFFER
- PERMITTED WASTE LIMITS
- WETLANDS (SEE REFERENCE 3)
- WETLANDS IMPACTED
- STREAM (SEE REFERENCE 4)
- STREAM IMPACTED
- ZONE 1 RIPARIAN BUFFER
- ZONE 2 RIPARIAN BUFFER



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REFERENCES:

1. FACILITY PROPERTY LINE REFERENCE: SURVEY BY MARK TERRY AND ASSOCIATES, INC., DATED MAY 15, 2001.
2. EXISTING TOPOGRAPHY FROM AERIAL SURVEY DATED JANUARY 2, 2016 BY GEODATA CORPORATION, ZEBULON, NC.
3. STREAM AND WETLAND LOCATIONS FROM FIELD SURVEY DATED MARCH 2014 PROVIDED BY SURVEYING SOLUTIONS, P.C., YOUNGSVILLE, NC.

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HIGH POINT LANDFILL, LLC
HIGH POINT C&D LANDFILL
STREAM IMPACTS

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DATE: Apr 2016	PROJECT NO: WIHIGHPOINT 14-1	FILENAME: WI-B1143	

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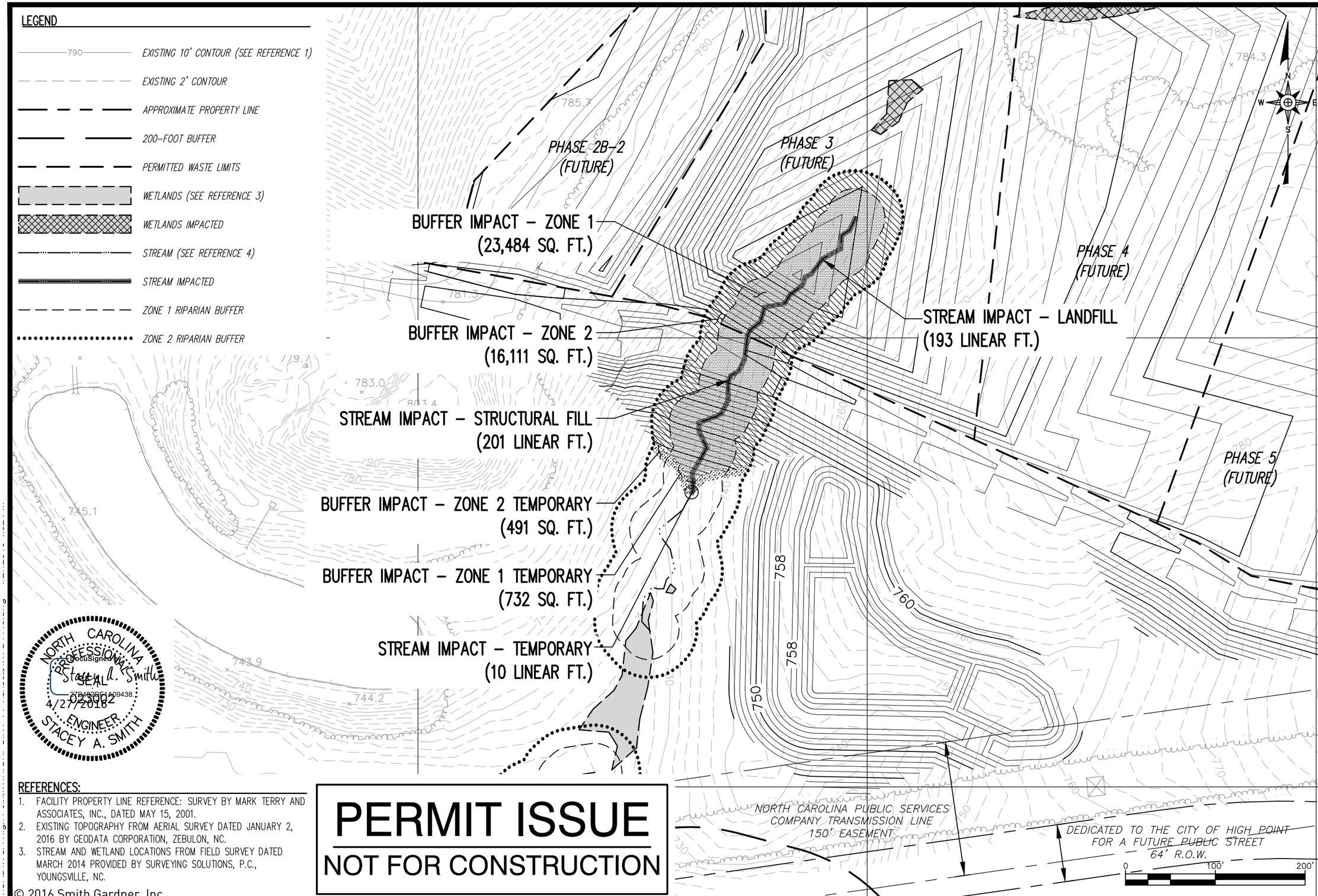

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1. FACILITY PROPERTY LINE REFERENCE: SURVEY BY MARK TERRY AND ASSOCIATES, INC., DATED MAY 15, 2001.
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3. STREAM AND WETLAND LOCATIONS FROM FIELD SURVEY DATED MARCH 2014 PROVIDED BY SURVEYING SOLUTIONS, P.C., YOUNGSVILLE, NC.

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FIGURE NO.	3
SCALE:	AS SHOWN
FILENAME:	WI-B1143
APPROVED:	S.W.H.
PROJECT NO:	WIHIGHPOINT 14-1
DRAWN:	C.T.J.
DATE:	Apr 2016

PREPARED FOR:

HIGH POINT LANDFILL, LLC
HIGH POINT C&D LANDFILL
BUFFER IMPACTS

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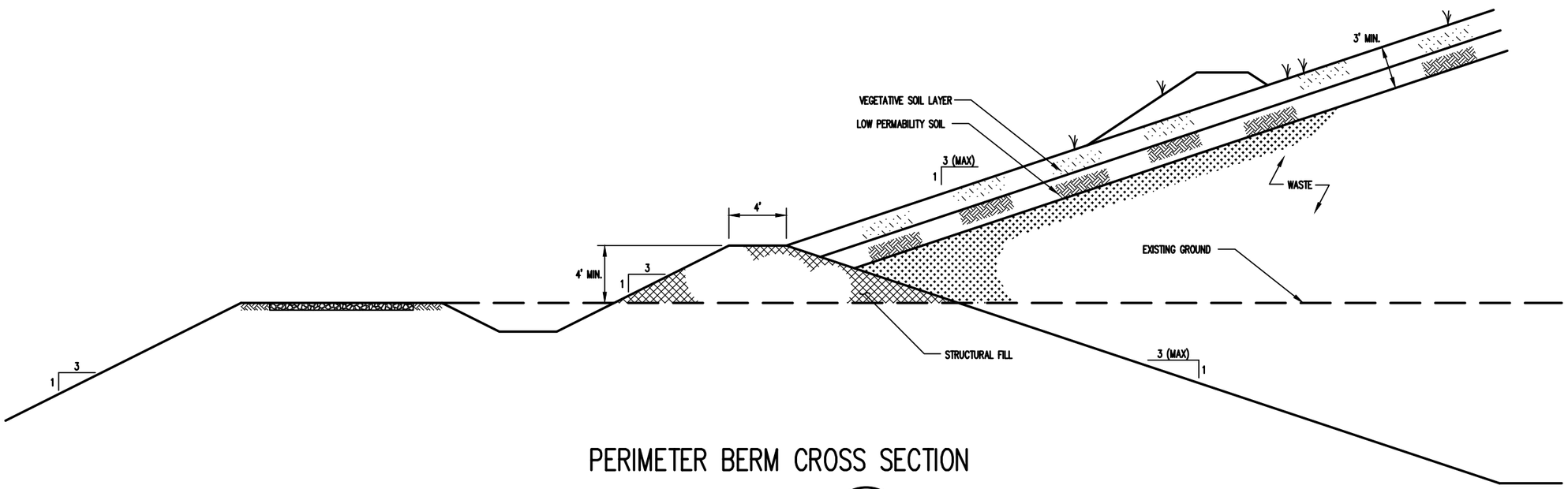

PERIMETER BERM CROSS SECTION

DETAIL 1/5
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FIGURE NO.	5
SCALE:	AS SHOWN
FILENAME:	WI-B1060
APPROVED:	S.A.S.
PROJECT NO:	WIHIGHPOINT 14-1
DRAWN:	T.R.S.
DATE:	Apr 2016

PREPARED FOR:
HIGH POINT LANDFILL, LLC
HIGH POINT C&D LANDFILL
DETAILS

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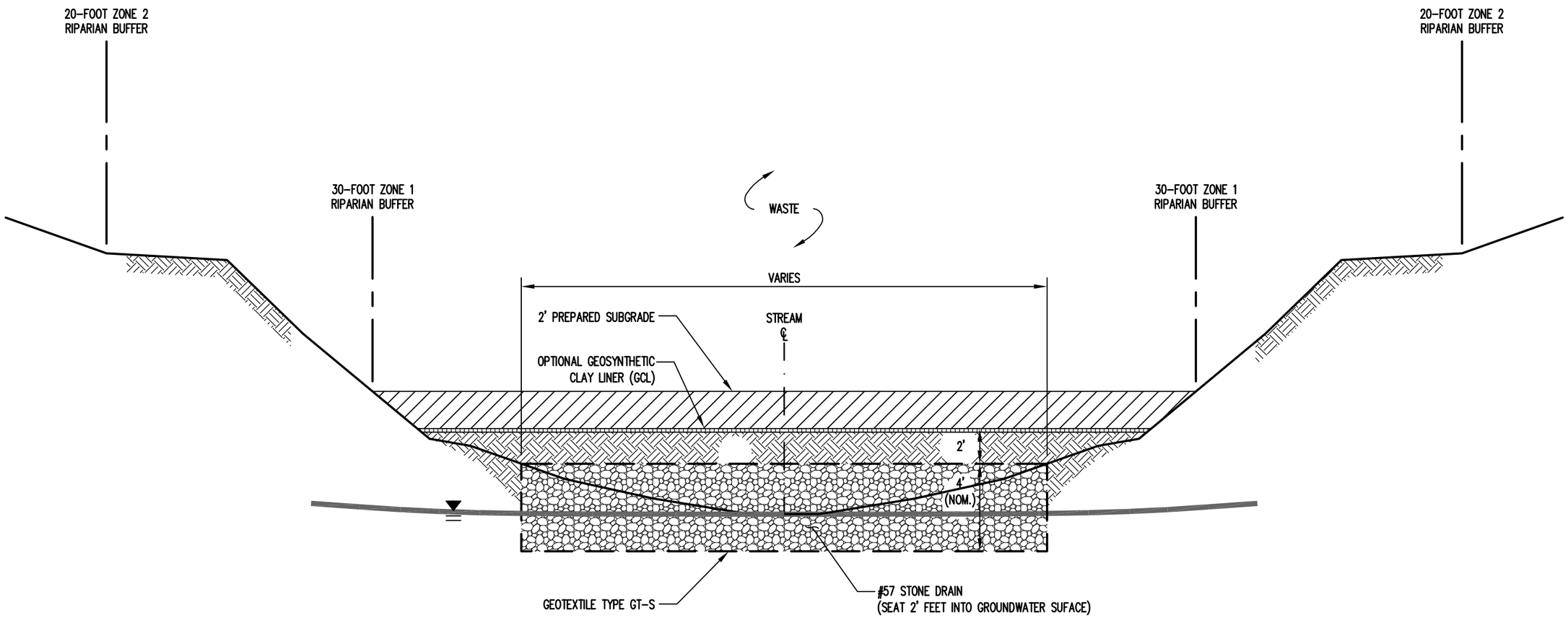

UNDERDRAIN CROSS SECTION

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4/14/2016

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HIGH POINT C&D LANDFILL
DETAILS

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DRAWN: C.T.J.	FIGURE NO. 4
APPROVED: S.W.H.	FILENAME: WI-B1143
SCALE: N.T.S.	PROJECT NO: WIHIGHPOINT 14-1
DATE: Apr 2016	

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