Prepared for:

MRR of High Point, LLC
421 Raleigh View Road
Raleigh, North Carolina 27610

JEI PROJECT NO. 600.00, TASK 03

VOLUME ONE
SITE APPLICATION

SECTION I

MRR OF HIGH POINT, LLC

CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL

HIGH POINT, NORTH CAROLINA

JUNE 2002
REVISED JANUARY 2003
REVISED MARCH 2003
REVISED APRIL 2003

APPROVED
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION
DATE 5/14/2003 BY TDG
PERMIT #41-16
RALEIGH CENTRAL FILE COPY

Fac/Perm/Co ID 41-16 Date 5/23/13 Doc ID# DIN 7/1/13

APR 2003 Received Solid Waste Section

Prepared by:

JOYCE ENGINEERING, INC.

Joyce Engineering, Inc.
Henderson Building, Suite 203
2301 West Meadowview Road
Greensboro, North Carolina 27407
(336) 323-0092

NORTH CAROLINA PROFESSIONAL SEAL 023854 ENGINEER MICKLE D. ELLIOTT
3/31/03

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VOLUME ONE – SECTION I
TABLE OF CONTENTS

STATEMENT OF COMPLIANCE WITH ENGINEERING PLAN REQUIREMENTS

1.0 INTRODUCTION AND OVERVIEW 1
2.0 SITE DESCRIPTION 1
2.1 Buffer Requirements 2
3.0 SITING REQUIREMENTS 3
3.1 Floodplains 3
3.2 Threatened or endangered species / Critical habitat 3
3.3 Archaeological or historical sites 3
3.4 State-owned recreational lands 4
3.5 Airports 4
3.6 Cover Soils 4
3.7 Site Plan Drawings 5
3.8 Site Development Plan 5
3.9 Wetlands 6
3.10 Watershed Restrictions 7
3.11 Service Area 7
3.12 Waste Stream and Capacity 7
3.13 Equipment 8
3.14 Local Government Approval 8
3.15 Public Access and Safety 8
3.16 Landfill Traffic Load 8
4.0 EROSION AND SEDIMENT CONTROL REQUIREMENTS 8

TABLES

Table 1 Projected Site Capacity
Table 2 Projected C&D Disposal Rates and Phasing Capacities
Table 3 Soil Balance Calculations

FIGURE

Figure 1 Site Location Map

TABLE OF CONTENTS (Continued)

DRAWINGS

Drawing No. 0	Title Sheet
Drawing No. 1	Drawing Index, Notes and Legend
Drawing No. 2	Two-Mile Radius Map
Drawing No. 3	Quarter-Mile Radius Map
Drawing No. 4	Quarter-Mile Radius Plan
Drawing No. 5	Existing Conditions
Drawing No. 6	Base Grading Plan
Drawing No. 7	Final Grading Plan
Drawing No. 8	Cross-Sections

APPENDICES

Appendix 1	Property Survey Plat
Appendix 2	FEMA Flood Insurance Rate Maps
Appendix 3	Correspondence Concerning Siting Criteria: 1. Threatened or Endangered Species 2. Cultural and Historic Resources/Archaeological Survey Report 3. United States Army Corps of Engineers 404 Wetland Permit
Appendix 4	Airport Location Map
Appendix 5	Soil Testing Results
Appendix 6	Wetland Inventory Map
Appendix 7	Watershed Classification
Appendix 8	Local Government Approval and Franchise Agreement Documentation

STATEMENT OF COMPLIANCE WITH CONSTRUCTION PLAN APPLICATION REQUIREMENTS

It is our opinion that the information and design presented in this Construction Plan Application for the proposed MRR of High Point, LLC, Construction and Demolition Debris Landfill meet the requirements of Rule .504 of the North Carolina Solid Waste Management Rules, 15A NCAC 13B.

Respectfully Submitted
JOYCE ENGINEERING, INC.

NORTH CAROLINA PROFESSIONAL SEAL 023854 ENGINEER MICKLE D. ELLIOTT

Mickle D. Elliott, P.E.
Senior Technical Consultant

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Solid Waste
Section

1.0 INTRODUCTION AND OVERVIEW

In accordance with the North Carolina Solid Waste Management Rules, 15A NCAC 13B .0504 (1), MRR of High Point, LLC (MRR) is submitting this Revised (1/17/03) Site Application to demonstrate the suitability of the subject property for development as a construction and demolition debris (C&D) landfill. This report documents the results of an investigation of siting criteria and the hydrogeologic characteristics of the area within and surrounding the proposed facility boundary.

The property will be owned and operated by MRR. The site consists of approximately 154 acres, of which 46.1 acres will be used for C&D waste disposal. The facility is located along the eastern border of the City of High Point, along the west side of Riverdale Drive, SR 1145, beginning approximately 800 feet south of the intersection of Riverdale Drive and E. Kivett Drive in southern Guilford County, North Carolina.

Joyce Engineering, Inc. (JEI) has prepared this Site Application in accordance with the requirements of 15A NCAC 13B .0504(1). The Construction Plan Application (Volume Two) has been submitted in conjunction with this document and a revised set of drawings is planned for submittal on 1/24/03. The Construction Plan Application includes the engineering design plan, an operational plan, closure plan, and an erosion and sediment control plan for the first five-year phase. Hydrogeologic information and the Water Quality Monitoring Plan are included in Volume One, Section II, to address the vertical separation requirements between base grade design and seasonal high groundwater levels and bedrock, and to demonstrate groundwater flow paths in the vicinity of the project.

All installed or pre-existing wells, piezometers, and borings at the site that are not used for permanent monitoring will be properly abandoned in accordance with the procedures for permanent abandonment, as described in 15A NCAC 2C Rule .0113(a)(2). Piezometers for monitoring and site evaluation were installed, and have been used to estimate seasonal groundwater levels and other pertinent geological information.

2.0 SITE DESCRIPTION

This section describes the site location, its physical layout, and current land usage. Geologic and hydrogeologic characteristics are discussed in Volume One, Section II.

The proposed site is located in the southwestern portion of Guilford County, North Carolina, and, since its annexation by the City, forms part of the western border of the City of High Point. A site location map is provided as Figure 1. The site is immediately adjacent to the potential expansion area of the Kersey Valley Landfill, and is west of the Riverdale Drive Landfill, the High Point Material Recovery Facility, and the city's wastewater treatment plant.

Access to the site will be from SR1145 (Riverdale Drive), approximately 0.25 miles south of the intersection of Riverdale Drive and E. Kivett Drive. A Duke Power right-of-way runs across the southern portion of the property in an area not planned to be affected by the proposed development. The site is bounded on the east by Riverdale Drive (SR 1145), MRR owned properties and privately owned properties; on the south by privately owned properties, properties owned by the City of High Point, and Cashatt Road (SR 1155); on the west by privately owned

properties and properties owned by the City of High Point; and on the north by MRR owned and privately owned properties. Appendix 1 contains the updated boundary survey plat of the property proposed for development. The site location, property boundaries, and surrounding topography are shown on the Two-mile Radius Map (Drawing No. 2) and the Quarter-Mile Radius Map and Plan (Drawings No. 3 and 4).

The site is characterized by gently sloping hillsides ranging in elevation from 710 to 810 feet above mean sea-level (MSL). Portions of the site have been farmed in the past; some portions have been logged and cleared. The remainder of the property has not been developed. Two residences and associated outbuildings and several abandoned farm structures used by the previous property owners are present on the site. One of the residences, located in the East central portion of the site, will remain and may be used as the landfill office; the remaining on-site structures will be removed.

2.1 Buffer Requirements

The NC Solid Waste Management Rules and agency policy stipulate that C&D landfills meet the following buffer requirements:

(a) *A 50-foot minimum buffer between all property lines and disposal areas;*
(b) *A 500-foot minimum buffer between private dwellings and wells and disposal areas;*
(c) *A 50-foot minimum buffer between streams and rivers and disposal areas;*
(d) *An expanded 200-foot buffer between property lines and disposal areas is to be provided consistent with the Solid Waste Section's policy.*

As a condition of the Special Use Permit for the facility, the City of High Point required a minimum fifty (50) foot wide Type A Planting Yard where the site abuts residential property or property zoned for residential use along the northern and eastern property lines. All existing trees and vegetation are to be preserved in this planting yard and supplemented where necessary to meet the Type A Planting Yard Rate. A Landscaping Plan for this 50' buffer has been submitted to the City of High Point for approval.

The City's Special Use Permit (SUP) also required that an earthen screening berm be established inside the Type A Planting Yard along the northern and eastern sides of the site. The berm is required to be constructed first, and is to be a minimum of ten feet high with maximum 2H:1V sideslopes and a five-foot wide planting area on the top of the berm. Vegetative cover and evergreen trees will be established on the planting area. Trees shall be planted a maximum of 15 feet apart and shall be a minimum of 1 to 1 and 1/2 inches in diameter and 6 feet tall at the time of planting. Along the Riverdale Road frontage, the berm may not be required in areas used for vehicle access or non-processing office/support structures. However, there shall be no gap of more than 100 feet in the screening berm for access or office/support structures.

The proposed C&D landfill area with required buffers is shown on Drawing No. 6. In response to the Departments comments, the originally proposed 150-foot buffer along the property line shared with the City of High Point's Kersey Valley Landfill expansion has been expanded to a **minimum of 200 feet** as stipulated by agency policy.

In addition, MRR has binding sales contracts for and is executing the purchase and demolition of two properties with residences, that the Department made comment on, that is adjacent to the facility (see Drawings 4 - 6). Final documentation of the purchase will be submitted to the Department as the sales become final. Note that none of these residences effect the development of Phase I of this project.

3.0 SITING REQUIREMENTS

Siting requirements for a construction and demolition landfill are provided in Solid Waste Management Rule .0503. The siting criteria are listed below in italics, with applicable information following for the proposed MRR of High Point landfill:

3.1 Floodplains

A site located in a floodplain shall not restrict the flow of the 100-year flood, reduce the temporary water storage capacity of the floodplain or result in washout of solid waste so as to pose a hazard to human life, wildlife or land or water resources.

The nearest 100-year floodplain, as shown on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map for Guilford County, is not located within the facility property boundary. See Appendix 2 for FEMA Flood Inventory Maps.

3.2 Threatened or endangered species / Critical habitat

A site shall not result in the destruction or adverse modification of the critical habitat of endangered or threatened species as identified in 50 C.F.R. Part 17. A site shall not cause or contribute to the taking of any endangered or threatened species of plants, fish or wildlife.

JEI contacted the North Carolina Natural Heritage Program (NHP)(NCDENR – Division of Parks and Recreation) regarding the potential presence of threatened or endangered species and their habitats on the proposed site. The Division responded in a letter dated January 14, 2002, that the NC Natural Heritage Program has no records of rare species, high quality natural communities, or Significant Natural Heritage Areas within a one-half mile radius of the site. The NHP noted that there are several locations of rare plants on the slopes of lower Richland Creek about three quarters-mile and one mile southeast of the project site. However, the NHP also stated that they did not expect the project to affect the rare plants identified because of their upland habitat. Copies of relevant correspondence are included in Appendix 3.

3.3 Archaeological or historical sites

A site shall not damage or destroy an archaeological or historical site.

JEI contacted the State Historic Preservation Office (North Carolina Department of Cultural Resources) regarding the presence of archaeological or historical sites within the project area. The Office responded in a letter dated February 28, 2002, that they were unaware of any historic

resources that would be affected by the project. Copies of relevant correspondence are included in Appendix 3.

3.4 State-owned recreational lands

A site shall not cause an adverse impact on a state park, recreation or scenic area, or any other lands included in the state nature and historic preserve.

The site is not state-owned, nor is it adjacent to state-owned lands included in the state nature or historic preserve. Therefore, development of the site is not expected to cause an adverse impact to a State Park, recreation or scenic area. See the site location map provided as Figure 1.

3.5 Airports

A new site disposing of putrescible wastes shall not be located within 10,000 feet of an airport runway used by turbojet aircraft or within 5,000 feet of an airport runway used by piston-type aircraft.

Although this application is for non-putrescible waste (C&D recovery/Landfill), it is noted that there are no airport runways within 10,000 feet of the proposed facility boundary. See Appendix 4 for an airport location map for the proposed facility.

3.6 Cover Soils

A site shall have available adequate suitable soils for cover either on-site or from off-site.

The on-site soil resources, usage, and balances are shown in Table 3. The property totals approximately 154 acres in size with 46.1 acres planned for disposal acceptance. Soils that are more suitable for final cover or site construction will be identified and reserved for that purpose. Based on conceptual design volumes, the total soil requirement over the life of the facility (Phases 1 – 7) is approximately 802,500 cubic yards. This includes the projected quantity of weekly cover soils over the life of the project, and an estimate of the quantity of soil needed for initial construction of the facility and to construct the final cap. Approximately 450,000 cubic yards of material will be excavated to achieve the landfill base grades. A deficit of approximately 350,000 cubic yards of soil is anticipated. Some of this soil deficit will be satisfied using soils screened during material recovery operations. Any additional soils that are needed will be obtained from off-site sources, including, potentially, the nearby quarry.

Initial soils tests have been conducted on the site soils; the test results are included in Appendix 5. Test results show that the subsurface soils are predominantly clayey sands; silty sands, sandy clays, and sandy silts were also encountered on the site. It is our opinion that these soils will be suitable for landfill construction and operational uses. For a detailed description and characterization of the subsurface soils, see Volume One, Section II, 3.3.

3.7 Site Plan Drawings

A conceptual site plan presenting special engineering features or considerations, which must be included or maintained in site construction, operation, maintenance and closure.

A conceptual site plan is presented within the Site Application drawings included in this document (Drawings No. 1 through 8).

Existing conditions at the project site are depicted on Drawing Nos. 2 through 5 .

Drawing No. 2 is the 2-mile radius map. This drawing shows the existing features within a 2-mile radius of the proposed facility boundary, such as the location of subdivisions, major watercourses, and potential sources of groundwater and/or surface water contamination. The existing features listed above are shown superimposed over the U.S.G.S. 7.5 Quadrangle for High Point East.

Drawing No. 3 is the quarter-mile radius map. This drawing is an aerial photo of the project site that highlights existing site features such as adjacent property lines, adjacent property zoning, residential structures (including the recently contracted properties noted by the Department) and water wells, utilities, and the location of adjacent public / private facilities within one-quarter mile of the facility property boundary.

Drawing No. 4 is the quarter mile radius plan. This drawing show the topographic feature of the ¼ mile area and highlights existing site features such as adjacent property lines, adjacent property zoning, residential structures (including the recently contracted properties noted by the Department) and water wells, utilities, and the location of adjacent public / private facilities within one-quarter mile of the facility property boundary

Drawing No. 5 depicts current site topographic information and existing site features for the project site. The topographic information shown was obtained on March 27, 2001. Locations of piezometers (original and additional), test pits and borings that were used in the hydrogeologic characterization of the site are shown, as well as site benchmarks.

3.8 Site Development Plan

Conceptual site development plans are shown on Drawing Nos. 6 thru 8. Site development is expected to include disposal areas, an access road, scale and scale-house, C&D reclamation pad, and erosion and sediment control features.

Conceptual base grades for the disposal area are shown on Drawing No. 6. Base grades have been designed to be at least four feet above the estimated seasonal high groundwater and bedrock elevations. This drawing also provides a conceptual layout for the entrance road, location of the proposed truck scales and scale house, C&D reclamation pad, and erosion and sediment control features for Phase I. Construction base grades for the disposal area which requires greater detail are shown in the current Construction Plan application and will be developed in future Phase Construction Plan Applications.

Drawing No. 7 shows the conceptual final grades for the disposal area. The grades depicted represent the top of the final cap. Final grades for the cap will be maintained at a maximum slope of 3H:1V. Diversion berms and slope drains will be constructed on the cap to control stormwater runoff, and to minimize erosion. The drawing also provides a detail of the proposed final cap and prepared subgrade.

Drawing No. 8 provides cross sections through the disposal area.

Detailed landfill design features, as well as erosion and sediment control features, are included in the Construction Plan Application (Volume Two). Erosion and sediment control measures will be constructed at the site as required by the North Carolina Sedimentation Pollution Control Act (15A NCAC 4) and the appropriate City of High Point requirements.

3.9 Wetlands

A site shall not cause a discharge of dredged material or fill material into waters of the state that is in violation of the requirements under Section 404 of the Clean Water Act, as amended, or that is in violation of any state requirements regulating the discharge of dredged or fill material into waters of the state, including wetlands.

Review of available National Wetlands Inventory mapping (see Appendix 6) suggested there were no wetlands within the site. A preliminary site investigation for wetlands was conducted at the site and identified potential wetlands within the southwestern portion of the proposed waste disposal footprint in an area that is not proposed to be developed for 15 to 20 years. In addition, a small area of wetlands (less than 100 square feet) was identified within the portion of the site proposed to be developed in Phase 1 for sediment and erosion control purposes. The area of wetlands to be disturbed during development of Phase 1 is below the notification threshold for the U.S Army Corps of Engineers (USACOE) Nation Wide Permit #39 and is also below the notification threshold for the North Carolina Department of Water Quality (NCDWQ) Water Quality Certification (WQC) #3362. Both the USCOE and NCDWQ will be notified of any wetlands disturbed. (Attached in Appendix 3 is a copy of the signed Section 404 CWA Nationwide Permit 39 for Phase 1 activities)

Because of the expected length of time before there would be impacts to wetlands that would require either a USCOE or NCDWQ permit, a wetlands delineation for the site is not proposed at this time. Landfilling activities that would affect significant potential wetland areas (areas above the notification threshold) are approximately 15 years from development based on anticipated site disposal rates and development patterns. A wetlands delineation for the these areas will be conducted prior to submitting their respective Construction Plan Application, or prior to conducting construction activities (such as borrowing and/or stockpiling activities) that could impact wetland areas. The delineation survey will be submitted to the Corps for review and approval.

3.10 Watershed Restrictions

A site shall not cause non-point source pollution of waters of the state that violates assigned water quality standards.

The site is located in the Deep River (Randleman Lake) - Cape Fear River Watershed. Portions of the site are located in a water supply watershed protected area (WS-IV) and portions are located in a water supply watershed critical area (WS-IV CA). The boundary of WS-IV CA is within the Tier 3 boundary as defined by the City of High Point Development Ordinance. The Tier 3 boundary is shown on Drawing No. 3. No development is proposed for the portions of the site within Tier 3 except for the perimeter road and sediment and erosion control features. See Appendix 7.

3.11 Service Area

A report indicating the population and area being served.

The MRR of High Point Construction and Demolition Debris Landfill will serve Guilford County and portions of Forsyth, Davidson and Randolph Counties. The combined population for these counties is approximately 1,000,000.

3.12 Waste Stream and Capacity

A report indicating the type, quantity and source of waste.

MRR of High Point projects that the facility will initially accept approximately 700 tons of C&D waste material per day. Based on their experience at other facilities, MRR anticipates that 55% of all C&D waste brought to the facility will be reclaimed; the remaining 45% will be disposed at the proposed landfill.

Based on the above information, the projected life of the disposal area is approximately 32 years. Projected life calculations are provided in Tables 1 and 2. The operating capabilities by phase (five-year) and total, are provided in Table 3. The in-place ratio of waste to soil used to calculate the operating life and soil requirements was assumed to be 9:1 based on covering the waste with soil each week. An in-place waste density of 1350 lbs/cy was used in the projected life calculations.

The projected capacities for each phase were calculated using airspace volumes obtained using Softdesk Civil/Survey software, integrated with the facility drawings produced using AutoCAD, Release 2000. The data and assumptions used are consistent with the disposal rates discussed in the preceding paragraphs, and are representative of the operational requirements and conditions anticipated for the new facility.

3.13 Equipment

A report indicating the equipment that will be used for operating the site.

MRR High Point will purchase typical landfill equipment to run and operate the C&D landfill. Equipment such as, but not limited to, excavators, loaders and compactors will be used to accomplish the day-to-day operations of the facility.

3.14 Local Government Approval

If the site is located within an incorporated city or town, or within the extra-territorial jurisdiction of an incorporated city or town, the approval of the governing board of the city or town shall be required. Otherwise, the approval of the Board of Commissioners of the county in which the site is located shall be required.

A copy of documentation regarding Local Government Approval and the approval of the Franchise Agreement for the site is included in Appendix 8.

3.15 Public Access and Safety

A site shall not allow uncontrolled public access so as to expose the public to potential health and safety hazards at the disposal site.

Access to the facility will be controlled through a single access road which will have a secure gate to prevent access after operating hours. During operating hours, traffic will be routed from the entrance gate and scale house via a paved access road to the reclamation pad and C&D landfill. The road will be maintained to remain passable during anticipated weather conditions. An attendant will be on duty at the scale house during operating hours.

3.16 Open Burning

A site shall not engage in open burning of solid waste.

No open burning of C&D waste will be allowed at this site. In the event that a fire should occur at the site, emergency procedures will be taken to extinguish the fire, including the use of fire extinguishers, stockpiled soil, and the local fire department.

4.0 EROSION AND SEDIMENT CONTROL REQUIREMENTS

The requirements of the Sedimentation Pollution Control Law (15A NCAC 4) shall be met in the Erosion and Sediment Control Plan that has been submitted to the appropriate local regulatory agency as part of the Construction Plan Application in Volume Two. Erosion and sediment control activities for the C&D landfill will be conducted in accordance with the approved Plan.

The operator shall not cause a discharge of pollutants into waters of the United States, including wetlands, that violates requirements of the Clean Water Act, including, but not limited to, the National Pollutant Discharge Elimination System (NPDES) requirements, pursuant to Section

402, or cause the discharge of a non-point source of pollution to waters of the United States, including wetlands, that violates the requirements of an area-wide or State-wide water quality management plan that has been approved under Section 208 or 319 of the Clean Water Act, as amended. Surface water shall be diverted from the operational area, and shall not be impounded over or in waste.

Embankment slopes will be regularly inspected for erosion. The vegetation on these slopes will be mowed at least once per year. These slopes will be maintained by reseeding, the application of fertilizer, and other means necessary to promote a healthy stand of vegetation.

(End)

TABLES

Table 1

JOYCE ENGINEERING, INC.

Job:	MRR of High Point, LLC		
Job Number:	600.00, Task 02		
Calculated By:	TH	Date:	1/15/2003
Checked By:	TH	Date:	1/15/2003
Subject:	Capacity Calculations		
Sheet:	1 of 1		

Determine the total airspace available for waste in the disposal area.

Total airspace for waste, cover soil and cap (V_t)	=	4,865,035	cy	volume from AutoCadd
Airspace consumed by the final cover (V_f)	=	229,610	cy	(Vf=Areaf x dcap)
Airspace consumed by weekly cover (V_s)	=	463,543	cy	(V_s=V_t-V_f x %soil)
Total airspace available for waste (V_w)	***=***	***4,171,883***	***cy***	(V_w=V_t-V_f-V_s)

Determine the estimated life of the disposal area.

Total waste volume (V_w)	=	4,171,883	cy	
Total waste mass volume (M_w)	=	2,816,021	tons	(M_w=V_w x D/2000)
Projected remaining life of the the disposal unit	***=***	***31.3***	***years***	

Landfill Parameters:

Wa	=	average daily waste acceptance rate	=	315	tons/day
		(based on a 5.5 day work week)	or	1732.5	tons/week
D	=	average inplace density of waste	=	1350	lbs/yd^3
%soil	=	waste to soil ratio (9:1)	=	10	%
Areaf	=	area of final cover	=	47.4	acres
		(area includes 3:1 sideslopes)	=	2,066,486	sf
dcap	=	depth of cap (final and intermediate cover)	=	3	ft

Table 2

JOYCE ENGINEERING, INC.

Job:	MRR of High Point, LLC	
Job Number:	600.00, Task 02	
Calculated By:	TH	Date: 1/14/03
Checked By:	TH	Date:1/17/03
Subject:	Phasing Calculations	
Sheet:	1 of 1	

Determine the projected C&D landfill phasing capacities:

Year	Projected Waste Mass (ton)	Projected Waste Volume (cy)	Cumulative Waste Mass (ton)	Cumulative Waste Volume (cy)	Projected Phasing
1	90,090	133,467	90,090	133,467	
2	90,090	133,467	180,180	266,933	
3	90,090	133,467	270,270	400,400	
4	90,090	133,467	360,360	533,867	
5	90,090	133,467	450,450	667,333	Phase 1
6	90,090	133,467	540,540	800,800	
7	90,090	133,467	630,630	934,267	
8	90,090	133,467	720,720	1,067,733	
9	90,090	133,467	810,810	1,201,200	
10	90,090	133,467	900,900	1,334,667	Phase 2
11	90,090	133,467	990,990	1,468,133	
12	90,090	133,467	1,081,080	1,601,600	
13	90,090	133,467	1,171,170	1,735,067	
14	90,090	133,467	1,261,260	1,868,533	
15	90,090	133,467	1,351,350	2,002,000	Phase 3
16	90,090	133,467	1,441,440	2,135,467	
17	90,090	133,467	1,531,530	2,268,933	
18	90,090	133,467	1,621,620	2,402,400	
19	90,090	133,467	1,711,710	2,535,867	
20	90,090	133,467	1,801,800	2,669,333	Phase 4
21	90,090	133,467	1,891,890	2,802,800	
22	90,090	133,467	1,981,980	2,936,267	
23	90,090	133,467	2,072,070	3,069,733	
24	90,090	133,467	2,162,160	3,203,200	
25	90,090	133,467	2,252,250	3,336,667	Phase 5
26	90,090	133,467	2,342,340	3,470,133	
27	90,090	133,467	2,432,430	3,603,600	
28	90,090	133,467	2,522,520	3,737,067	
29	90,090	133,467	2,612,610	3,870,533	
30	90,090	133,467	2,702,700	4,004,000	Phase 6
31	90,090	133,467	2,792,790	4,137,467	
32	90,090	133,467	2,882,880	4,270,933	
					Phase 7

Landfill Parameters:

Average daily waste acceptance rate	315	tons/day
(based on a 5.5 day work week)	1732.5	tons/week
(based on 52 weeks per year)	90,090	tons/yr
Average inplace density of waste	1350	

Total waste mass	2,818,175	tons
Total waste volume	4,175,074	

Table 3

JOYCE ENGINEERING, INC.

Job:	MRR of High Point, LLC
Job Number:	600.00
Calculated By:	TH Date: 1/14/03
Checked By:	TH Date:
Subject:	Soil Balance Calculations
Sheet:	1 of 1

Determine the overall soil balance for the site.

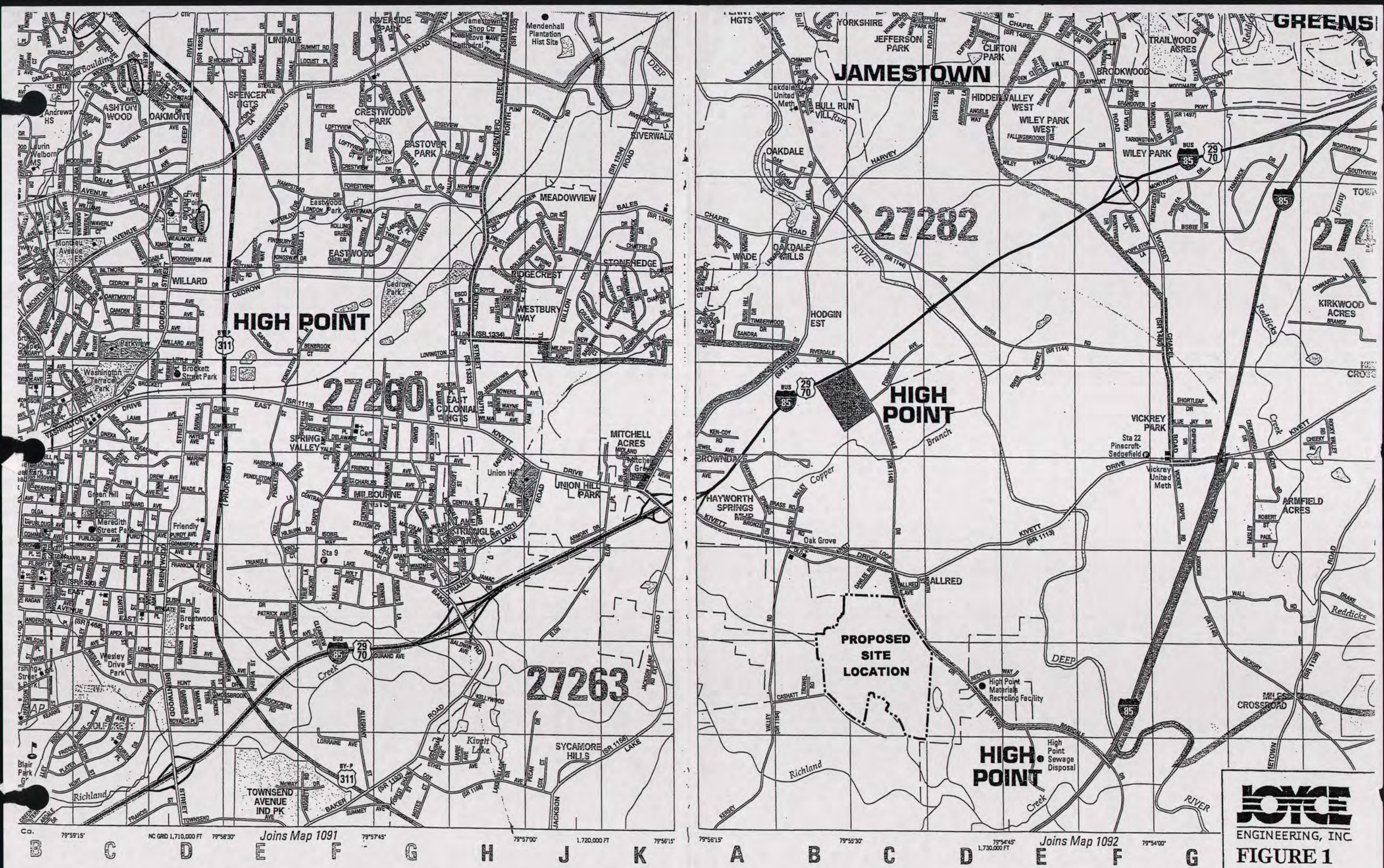
Total cut resulting from the construction of the disposal area. (base grades, landfill perimeter road and main access road)	=	449,427 cy	volume from AutoCadd
Total fill needed to develop the disposal area. (base grades and perimeter road)	=	109,020 cy	volume from AutoCadd
Soil needed for weekly cover	=	463,897 cy	
Soil needed for the final cover	=	229,610 cy	
Soil deficit/surplus	=	-353,100 cy	

Total soil available	=	449,427 cy
Total soil needed	=	802,527 cy
Total soil deficit	=	**-353,100 cy**

Landfill Parameters:

%soil	=	waste to soil ratio (9:1)	=	10 %
dcap	=	depth of cap (final and intermediate cover)	=	3 ft

FIGURES



JOYCE ENGINEERING, INC.

FIGURE 1

DRAWINGS

APPENDIX 1

Property Survey Plat

APPENDIX 2

FEMA Flood Insurance Rate Maps

APPENDIX 3

Correspondence Concerning Siting Criteria:

1. **Threatened or Endangered Species**

2. **Cultural and Historic Resources/ Archaeological Survey Report**

3. **United States Army Corps. Of Engineers 404 Wetland Permit**

1. Threatened or Endangered Species

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NCDENR

North Carolina Department of Environment and Natural Resources
Division of Parks and Recreation

Michael F. Easley, Governor William G. Ross, Jr., Secretary Dr. Philip K. McKnelly, Director

January 14 , 2002

Mr. Ray Hoffman
Joyce Engineering, Inc.
Henderson Building, Suite 203
2301 W. Meadowview Road
Greensboro, NC 27407

Subject: Construction and Demolition Debris Disposal Facility site, Guilford County
JEI Project 430, Task 07

Dear Mr. Hoffman:

The Natural Heritage Program has no record of rare species, significant natural communities, or priority natural areas at the site nor within 1/2-mile of the site. There are several locations of rare plants on slopes of lower Richland Creek about 3/4-mile and a mile below (southeast of) the project site. However, the project should not impact such plants – Piedmont horsebalm (*Collinsonia tuberosa*) and American barberry (*Berberis canadensis*) – because of their location on uplands and not in the creek or floodplain.

You may wish to check the Natural Heritage Program database website at <www.ncsparks.net/nhp/search.html> for a listing of rare plants and animals and significant natural communities in the county and on the topographic quad map. Please do not hesitate to contact me at 919-715-8687 if you have questions or need further information.

Sincerely,

Harry E. LeGrand, Jr.

Harry E. LeGrand, Jr., Zoologist
Natural Heritage Program

HEL/hel

1615 Mail Service Center, Raleigh, North Carolina 27699-1615
Phone: 919-733-4181 \ Fax: 919-715-3085 \ Internet: www.ncsparks.net
Equal Opportunity \ Affirmative Action Employer - 50% Recycled \ 10% Post Consumer Paper

JOYCE
ENGINEERING, INC.

Waste Industry Experts

Henderson Building
Suite 203
2301 W Meadowview Rd
Greensboro, NC 27407

tel: 336/323-0092
fax: 336/323-0093

www.JoyceEngineering.com

January 2, 2002

Ms. Linda Pearsall
North Carolina Natural Heritage Program
Division of Parks and Recreation
P.O. Box 27687
Raleigh, North Carolina 27611-7687

RE: ENDANGERED AND THREATENED SPECIES
SITE LOCATED IN GUILFORD COUNTY
JEI PROJECT 430 TASK 07

Dear Ms. Pearsall:

Joyce Engineering is performing a preliminary investigation on a site located in Guilford County, North Carolina. The area of concern is indicated on the attached copy of a portion of the USGS quadrangle for High Point East, North Carolina, 1950, photo revised 1982. The tract is located east of High Point on the south side of SR1113 (Kivett Drive), and west of SR1145 (Riverdale Drive).

The property encompasses approximately one hundred and fifty-four acres. Most of the property has been used for agricultural purposes in the past and is currently undeveloped.

We are evaluating the site for potential use as a Construction and Demolition Debris Disposal Facility. We anticipate that development of the site will include construction of a new landfill cell, sediment and erosion control features, a scale house, access roads, a maintenance building, and other facility support structures.

The regulatory requirements for review and assessment of the presence of endangered or threatened species of plants, fish, or wildlife is contained in Section .0503 of the North Carolina Solid Waste Management Rules (15A NCAC 13B). These rules require that a landfill be sited in a manner that it does not pose a threat to any endangered or threatened species or habitat.

We wish to assure that additional development of the site will not jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a federally designated critical habitat. Our goal at this stage of the investigation is to identify any obstacles that may deter future development of the site.

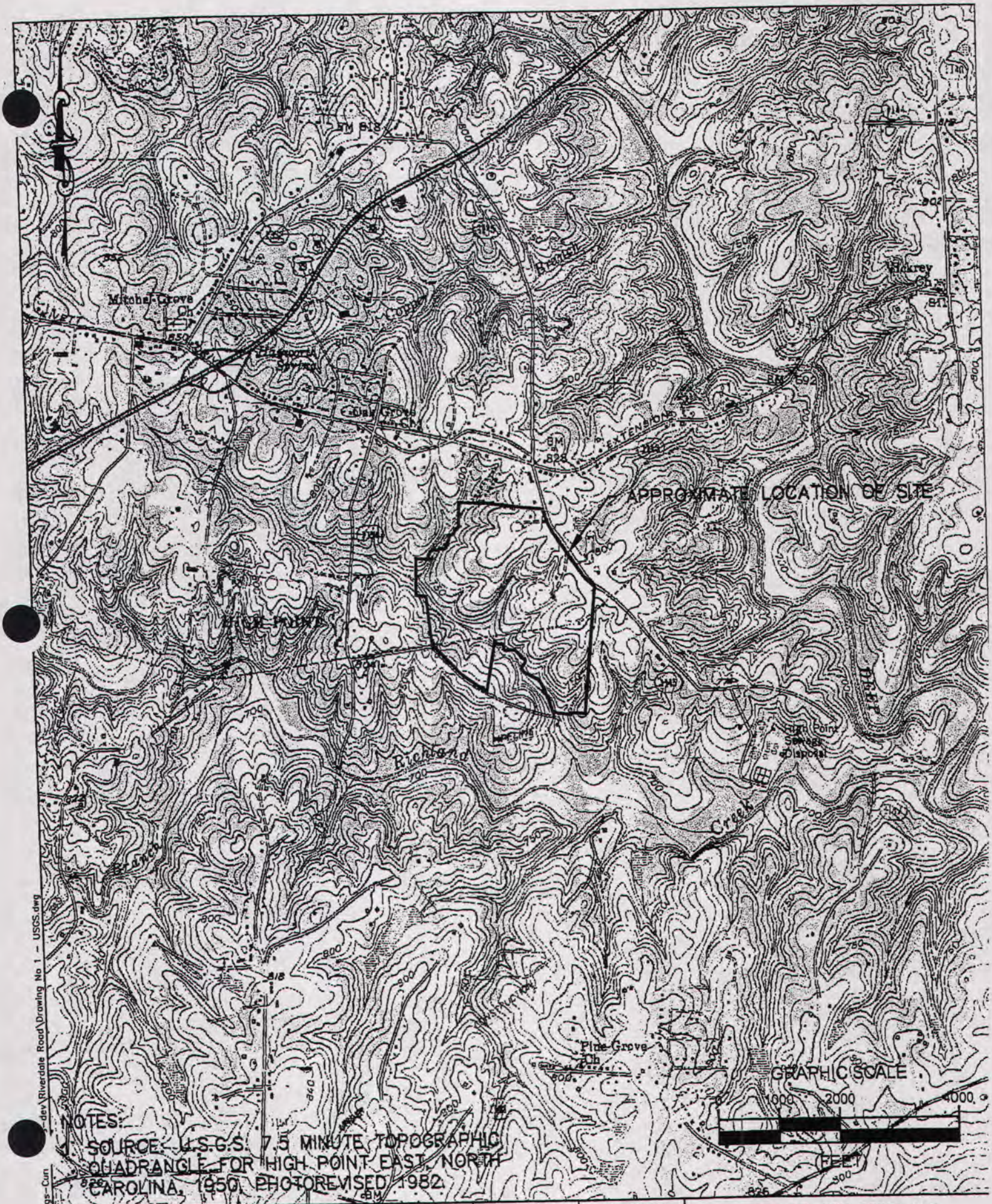
I would appreciate any information concerning known locations of threatened or endangered species that you have on record for this site or the adjacent properties. If you have any questions or need additional information, feel free to contact me at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING, INC.

Ray Hoffman

Ray Hoffman, E.I.T.
Project Engineer

Enclosure



NOTES:

1. SOURCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE FOR HIGH POINT EAST, NORTH CAROLINA, 1950, PHOTOREVISED 1982.

FIGURE NO. 1	JOYCE ENGINEERING, INC. 2301 WEST MEADOWVIEW ROAD GREENSBORO, N.C. 27407 PHONE: (336) 323-0092	SCALE 1"=2000'	PROJECT NO. 430.07	MRR OF HIGH POINT, LLC CITY OF HIGH POINT, NORTH CAROLINA SITE LOCATION MAP

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4:\Dwgs\Drawings-Curr-dev\Riverdale Road\Drawing No 1 - USGS.dwg

2. Cultural and Historic Resources/ Archaeological Survey Report

North Carolina Department of Cultural Resources
State Historic Preservation Office
David L. S. Brook, Administrator

Michael F. Easley, Governor
Lisbeth C. Evans, Secretary
Jeffrey J. Crow, Deputy Secretary
Office of Archives and History

Division of Historical Resources
David J. Olson, Director

February 28, 2002

Ray Hoffman
Joyce Engineering
2301 W Meadowview Road Suite 203
Greensboro NC 27407

Re: Proposed Construction and Demolition Debris Disposal Facility, Guilford County, ER 02-8699

Dear Mr. Hoffman:

Thank you for your letter of January 2, 2002, concerning the above project.

We have conducted a review of the proposed undertaking and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the undertaking as proposed.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919/733-4763. In all future communication concerning this project, please cite the above referenced tracking number.

Sincerely,

Renee Gledhill-Earley

for David Brook

DB:kgc

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MAR 8 2002

JOYCE
ENGINEERING, INC.

Waste Industry Experts

Henderson Building
Suite 203
2301 W Meadowview Rd
Greensboro, NC 27407

tel: 336/323-0092
fax: 336/323-0093

www.JoyceEngineering.com

January 2, 2002

Ms. Renee Gledhill-Earley
State Historic Preservation Office
North Carolina Division of Archives and History
109 East Jones Street
Raleigh, North Carolina 27601-2807

RE: CULTURAL RESOURCES
SITE LOCATED IN GUILFORD COUNTY
JEI PROJECT 430 TASK 07

Dear Ms. Gledhill-Earley:

Joyce Engineering is performing a preliminary investigation on a site located in Guilford County, North Carolina. The area of concern is indicated on the attached copy of a portion of the USGS quadrangle for High Point East, North Carolina, 1950, photo revised 1982. The tract is located east of High Point on the south side of SR1113 (Kivett Drive), and west of SR1145 (Riverdale Drive).

The property encompasses approximately one hundred and fifty-four acres. Most of the property has been used for agricultural purposes in the past and is currently undeveloped. Properties surrounding this site include the City of High Point Solid Waste landfill, a residential community, and other undeveloped property.

We are evaluating the site for potential use as a Construction and Demolition Debris Disposal Facility (C&D). We anticipate that development of the site will include construction of a landfill cell, sediment and erosion control features, line of sight screening berms, a scale house, access roads, a maintenance building, and other facility support structures.

The regulatory requirements for review and assessment for the presence of items of archaeological or historical significance is contained in Section .0503 of the North Carolina Solid Waste Management Rules (15A NCAC 13B). These rules require that a landfill be sited in a manner that it does not damage or destroy any archaeologically or historically significant sites.

We wish to assure that development of the site will not damage or destroy an archaeological or historical property. Our goal at this stage of the investigation is to identify any obstacles that may deter the proposed and future development of the site.

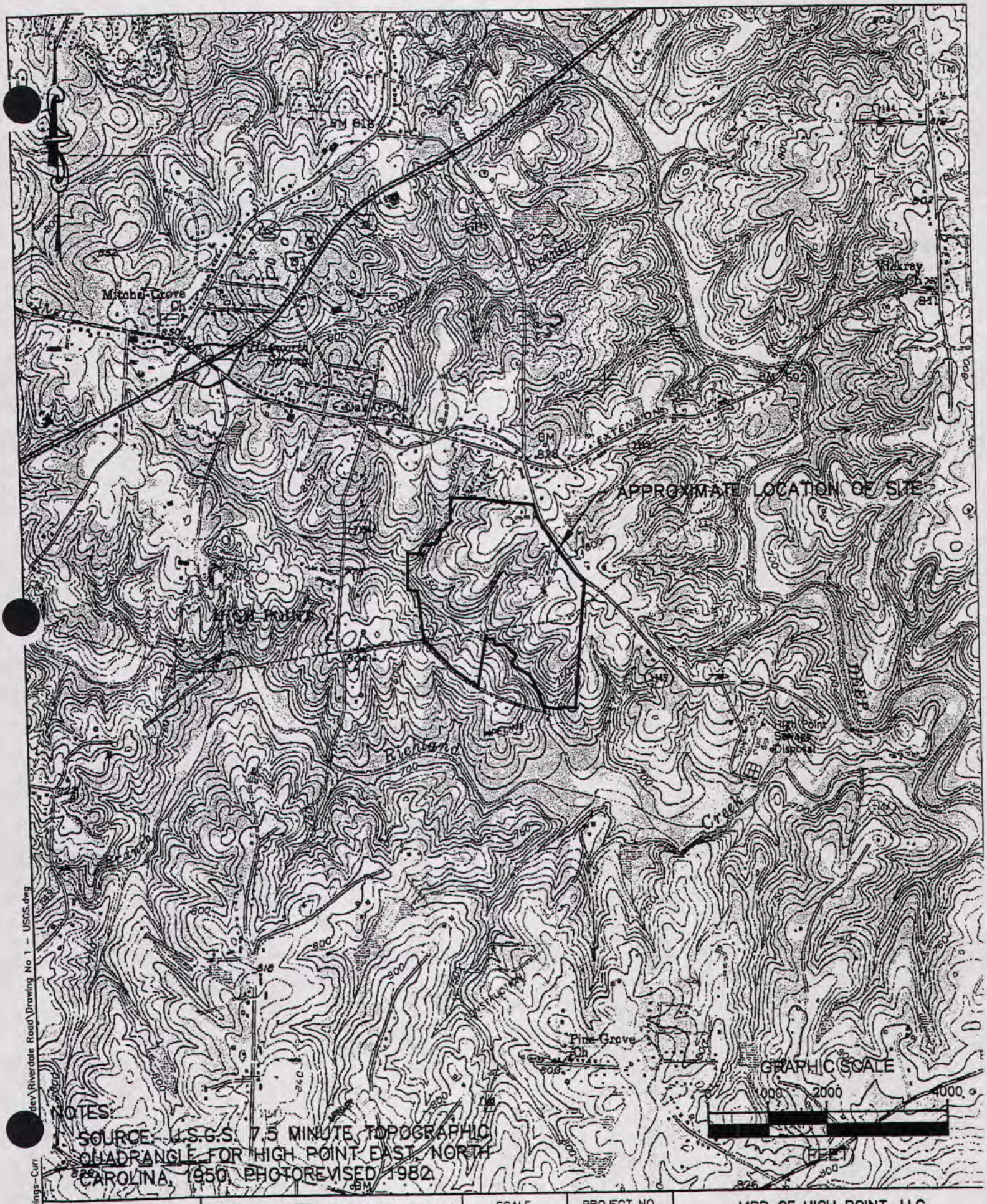
I would appreciate any information concerning known areas of archaeological or historical significance that you have on record for this site or the adjacent properties. If you have any questions or need additional information, feel free to contact me at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING, INC.

Ray Hoffman

Ray Hoffman, E.I.T.
Project Engineer

Enclosure



NOTES:

1. SOURCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE FOR HIGH POINT EAST, NORTH CAROLINA, 1950, PHOTOREVISED 1982.

N:\Dwgs\Drawings-Curr...dev\Riverdale Road\Drawing No 1 - USGS.dwg

FIGURE NO. 1	JOYCE ENGINEERING, INC. 2301 WEST MEADOWVIEW ROAD GREENSBORO, N.C. 27407 PHONE: (336) 323-0092	SCALE 1"=2000'	PROJECT NO. 430.07	MRR OF HIGH POINT, LLC CITY OF HIGH POINT, NORTH CAROLINA SITE LOCATION MAP

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United States Army Corps. Of Engineers
404 Wetland Permit

JOYCE
ENGINEERING, INC.

Waste Industry Experts

Henderson Building
Suite 203
2301 W Meadowview Rd
Greensboro, NC 27407

tel: 336/323-0092
fax: 336/323-0093

www.JoyceEngineering.com

September 23, 2002

Mr. James C. Coffey, Section Chief
DENR, Division of Waste Management, Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, NC 27605

RE: MRR of High Point, LLC – Proposed C & D Landfill
USACOE General Permit Verification
JEI Project No. 600. Task 04

Dear Mr. Coffey:

On behalf of MRR of High Point, LLC, we are enclosing the General Permit (Regional and Nationwide) Verification issued by the US Army Corps of Engineers (USACOE) on September 18, 2002. In a letter to the USACOE dated August 23, 2002, JEI requested confirmation that wetlands issues at this site had been properly addressed. The USACOE issued an authorization to impact 0.02 acres of wetlands that was identified on the site, under Section 404 of the Clean Water Act – Nationwide Permit No. 39. This verification is intended to serve as an amendment to Volume One – Section I Site Application for MRR of High Point, LLC that was submitted on July 3, 2002. If you have any questions do not hesitate to contact me at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING, INC.

for:

Daniel R. Moore, P.G.
Manager of Environmental Services

Attachment – General (Regional and Nationwide) Permit Verification

C: Norbert Hector, MRR High Point, LLC.
Tim Jewett, Western Area Engineer, Solid Waste Section
Bobby Lutfy, Hydrogeologist, Solid Waste Section

P:\MRR of High Point\Wetlands\Transmital Letter 9-20-02.doc

U.S. ARMY CORPS OF ENGINEERS
Wilmington District

Action ID: 200221392 **County:** Guilford

GENERAL PERMIT (REGIONAL AND NATIONWIDE) VERIFICATION

Property Owner MRR of High Point, LLC
Attn: Mr. Norbert Hector
Address 421 Raleigh View
Raleigh, NC 27610
Telephone Number 919-835-3655

Authorized Agent Joyce Engineering, Inc.
Attn: Mr. Jason Deem
Address 2301 West Meadowview Road, Suite 203
Greensboro, NC 27407
Telephone Number 336-323-0092

Size and Location of Property (waterbody, Highway name/number, town, etc.): The property is located on the west side of Riverdale Drive, approximately 500 feet south of Kivett Drive, in High Point, North Carolina. The site is located adjacent to an unnamed tributary of Richland Creek, in the Cape Fear River Basin.

Description of Activity: This permit authorizes mechanized landclearing and the placement of fill and riprap required for the construction of sedimentation and erosion control measures associated with the development of a C&D Landfill. Impacts to waters of the U.S. authorized by this permit total 0.02 acre of wetlands.

Applicable Law: X **Section 404 (Clean Water Act, 33 USC 1344) only.**
_____ **Section 10 (River and Harbor Act of 1899) only.**

Authorization: _____ **Regional General Permit Number**
39 **Nationwide Permit Number**

Any violation of the conditions of the Regional General or Nationwide Permit referenced above may subject the permittee to a stop work order, a restoration order, and/or appropriate legal action. This Department of the Army Regional General Permit or Nationwide Permit verification does not relieve the permittee of the responsibility to obtain any other required Federal, State, or local approvals/permits. The permittee may need to contact appropriate State and local agencies before beginning work. If you have any questions regarding the Corps of Engineers regulatory program, please contact Todd Tugwell **at telephone number** (919) 876 - 8441 extension 26.

Regulatory Project Manager Signature Todd Tugwell

Authorization Date September 18, 2002 **Expiration Date** September 18, 2004

SURVEY PLATS, FIELD SKETCH, WETLAND DELINEATION FORM, ETC., MUST BE ATTACHED TO THE YELLOW (FILE) COPY OF THIS FORM, IF REQUIRED OR AVAILABLE.

CF: Jennifer Frye, NCDWQ, WSRO, 585 Waughtown Street, Winston-Salem, NC 27107

APPENDIX 4

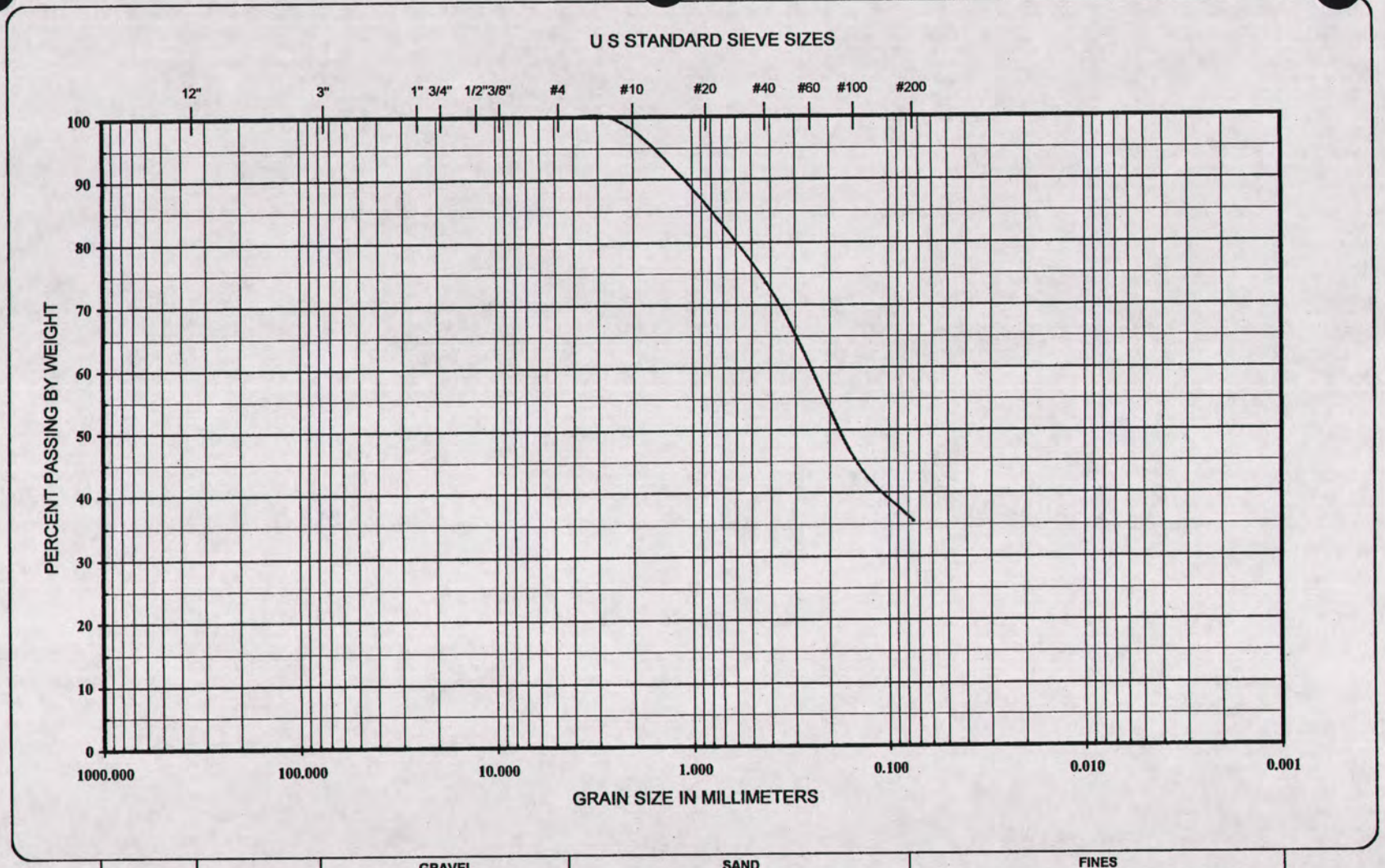
Airport Location Map

APPENDIX 4	JOYCE ENGINEERING, INC. 2301 WEST MEADOWVIEW ROAD GREENSBORO, N.C. 27407 PHONE: (336) 323-0092 © 2002 Joyce Engineering, Inc. All rights reserved.	SCALE 1"=5 MILES	PROJECT NO. 600.03	MRR OF HIGH POINT, LLC HIGH POINT, NORTH CAROLINA AIRPORT LOCATION MAP

L:\MRR High Point\dwg\AIRPORT LOCATION MAP.dwg

APPENDIX 5

Soil Testing Results



BOULDERS	COBBLES	GRAVEL		SAND			FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

BORING NO.	SAMPLE NO.	ELEVATION OR DEPTH	NMC %	LL	PL	PI	CLASSIFICATION
	P-1	0-2'		19	13	6	Grey & Tan Clayey SAND SC-SM

GRAIN SIZE DISTRIBUTION

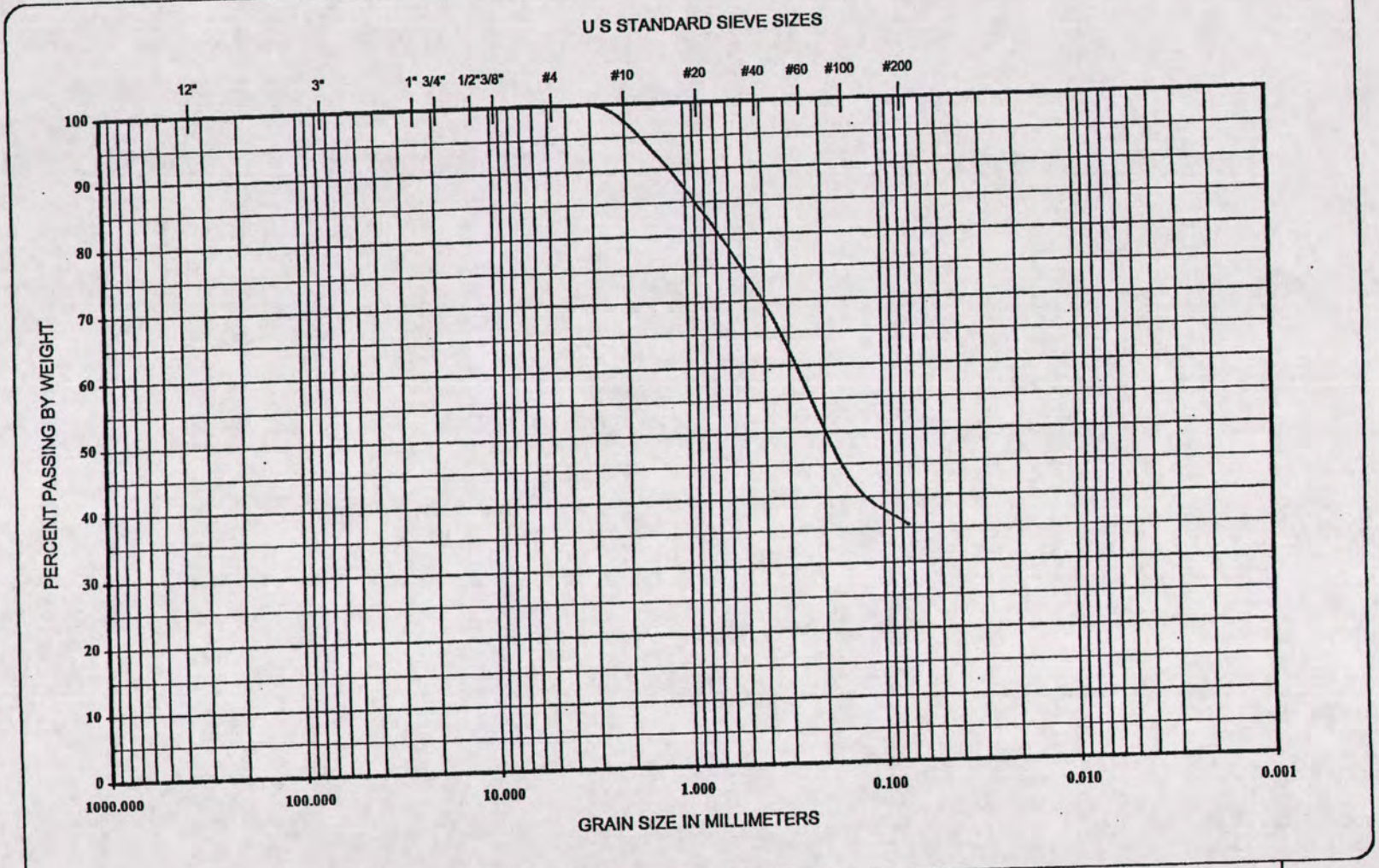
Material Recovery and Reclamation of High Point, LLC

Trigon Project Number 013-02-050

Date 3/29/2002

(Revised 12/9/02)

TRIGON



BOULDERS	COBBLES	GRAVEL		SAND			FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

BORING NO.	SAMPLE NO.	ELEVATION OR DEPTH	NMC %	LL	PL	PI	CLASSIFICATION
	P-2 UD	7-9'		37	22	15	Grey & Tan Clayey SAND SC

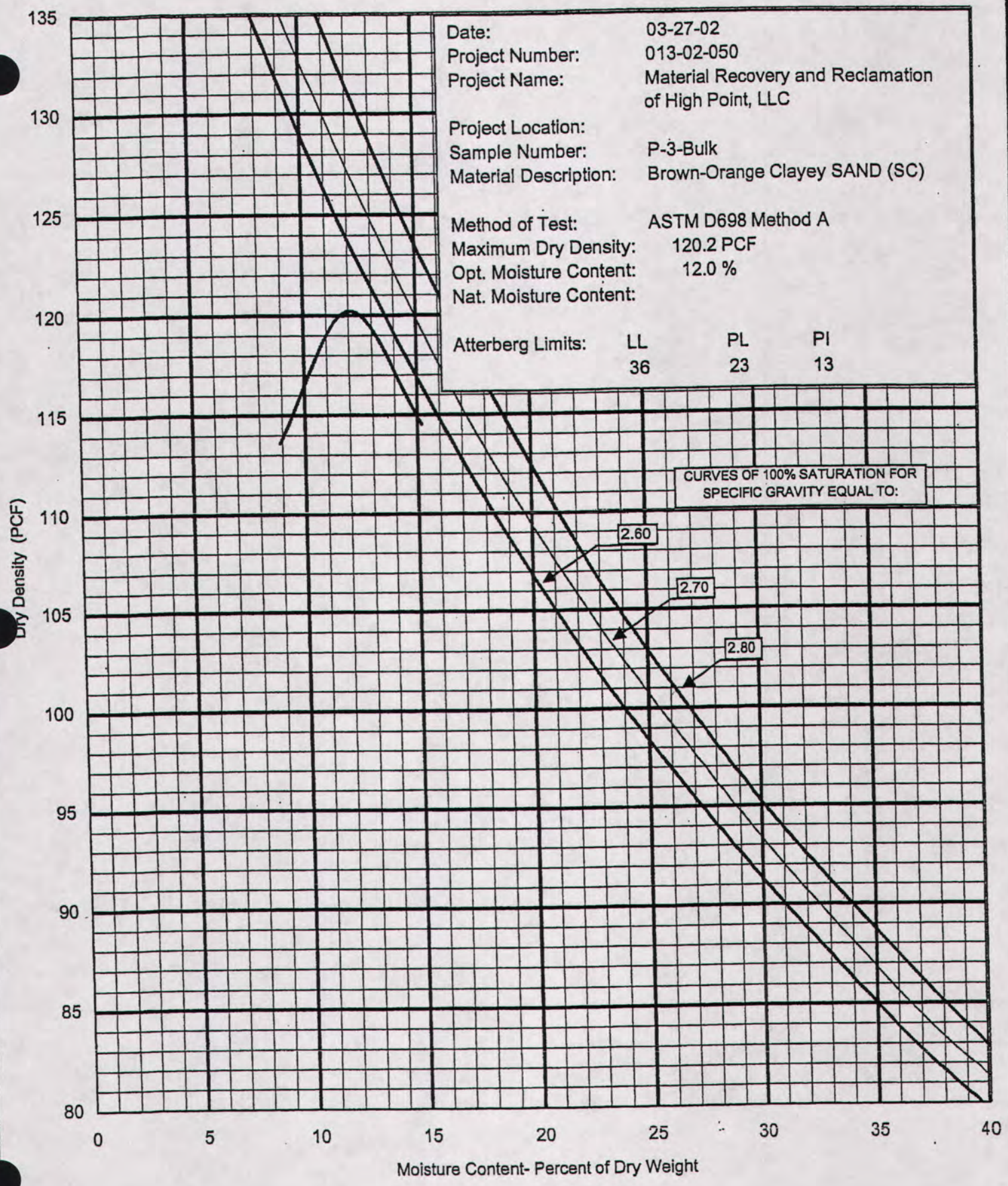
GRAIN SIZE DISTRIBUTION

Material Recovery and Reclamation of High Point, LLC

Trigon Project Number 013-02-050

Date 3/29/02

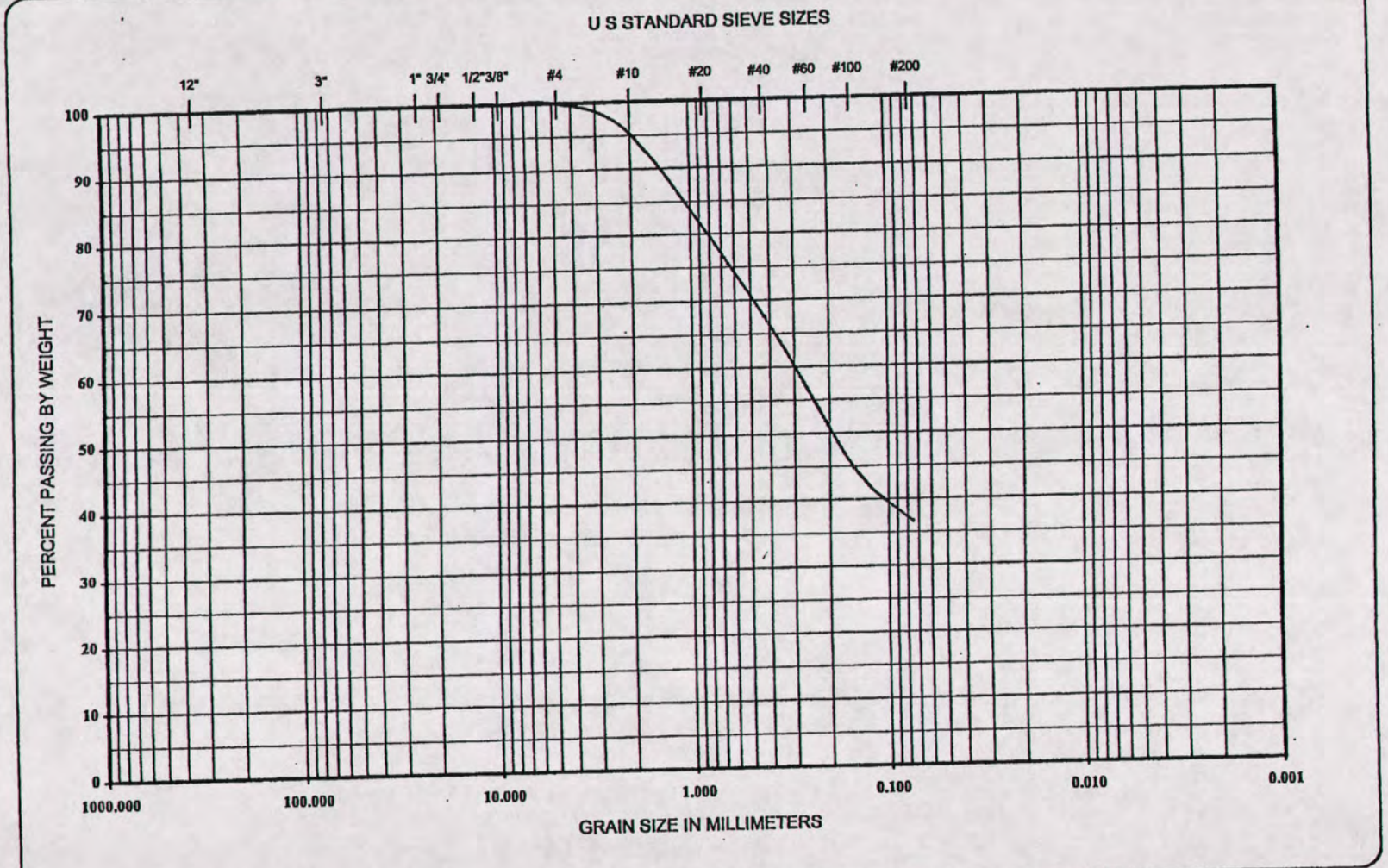
TRIGON



MOISTURE-DENSITY RELATIONSHIP

TRIGON ENGINEERING CONSULTANTS, INC.

Greensboro, NC



BOULDERS	COBBLES	GRAVEL		SAND			FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

BORING NO.	SAMPLE NO.	ELEVATION OR DEPTH	NMC %	LL	PL	PI	CLASSIFICATION
	P-3 SS	4.5-6.5'		35	24	11	Brown-Orange Clayey SAND SC

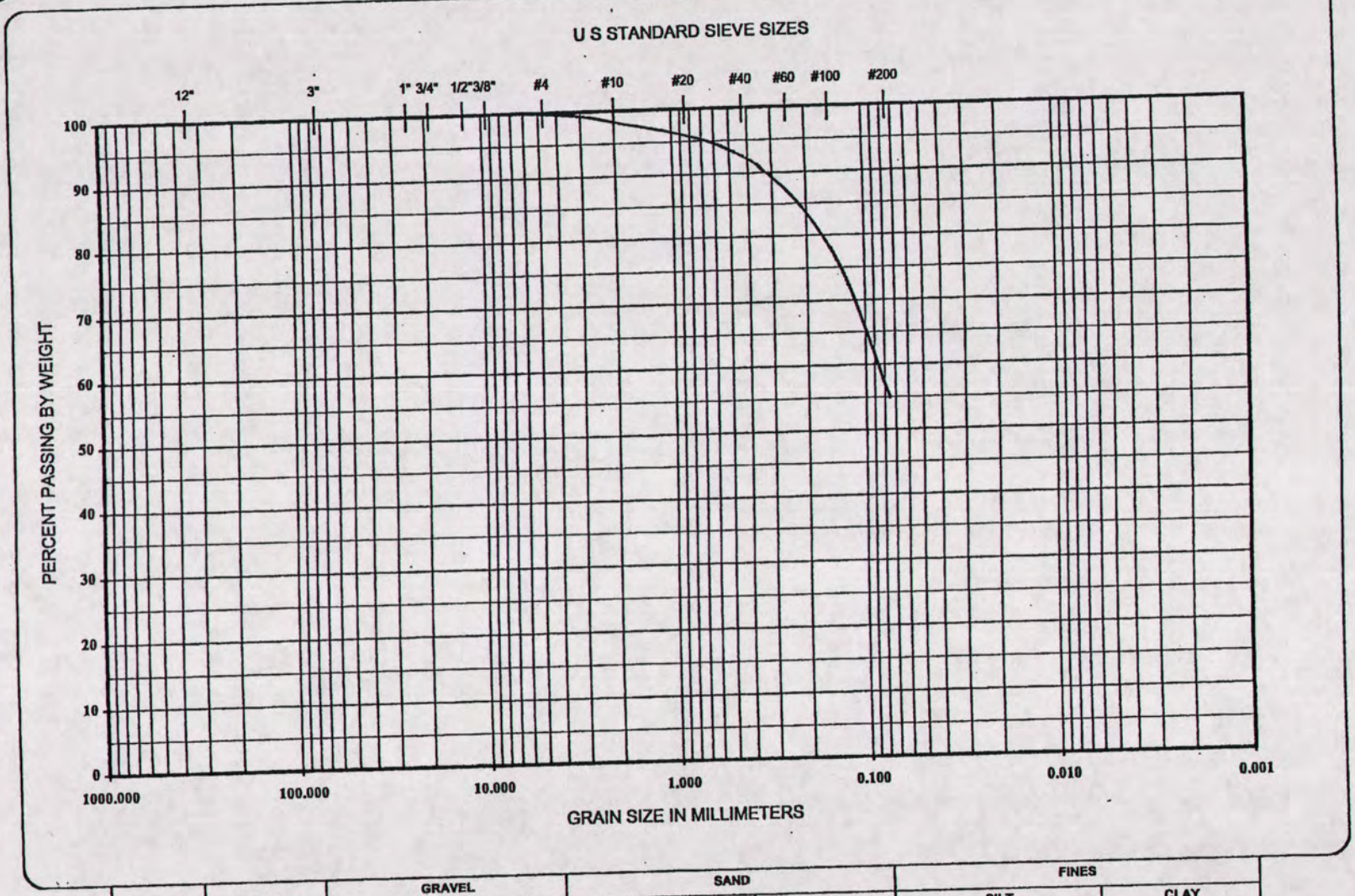
GRAIN SIZE DISTRIBUTION

Material Recovery and Reclamation of High Point, LLC

Trigon Project Number 013-02-050

Date 3/29/02

TRIGON



BOULDERS	COBBLES	GRAVEL		SAND			FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

BORING NO.	SAMPLE NO.	ELEVATION OR DEPTH	NMC %	LL	PL	PI	CLASSIFICATION
	P-14	10-11'		32	23	9	Grey-Brown Sandy Lean CLAY CL

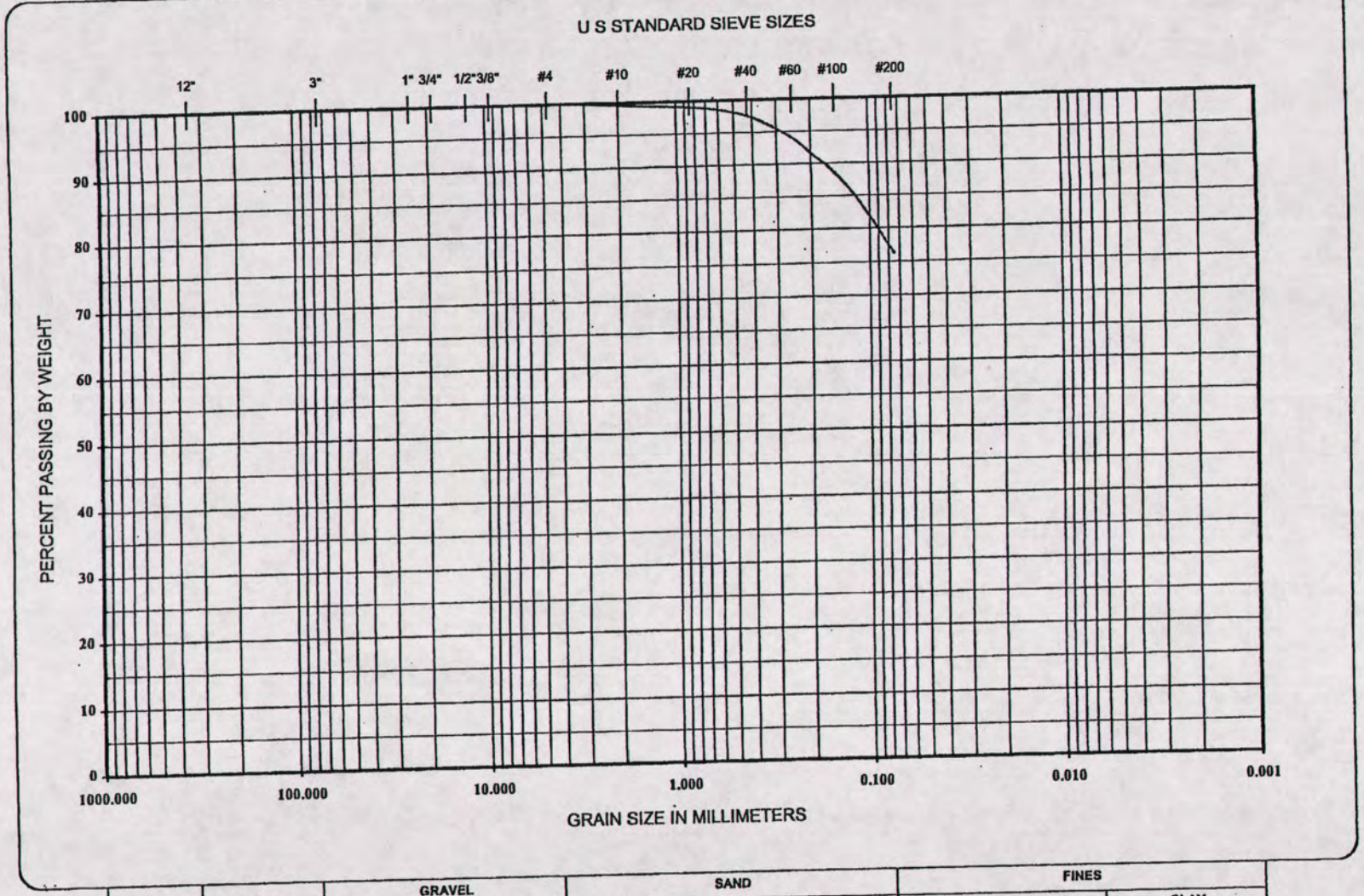
GRAIN SIZE DISTRIBUTION

Material Recovery and Reclamation of High Point, LLC

Trigon Project Number 013-02-050

Date 3/29/02

TRIGON



BOULDERS	COBBLES	GRAVEL		SAND			FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

BORING NO.	SAMPLE NO.	ELEVATION OR DEPTH	NMC %	LL	PL	PI	CLASSIFICATION
	P-15	5-7		35	34	1	Dark Grey Sandy SILT ML

GRAIN SIZE DISTRIBUTION

Material Recovery and Reclamation of High Point, LLC

Trigon Project Number 013-02-050

Date 3/29/02

TRIGON

APPENDIX 6

Wetland Inventory Map

APPENDIX 7

Watershed Classification

SECTION .0300 - ASSIGNMENT OF STREAM CLASSIFICATIONS

15A NCAC 02B .0301 CLASSIFICATIONS: GENERAL

(a) Schedule of Classifications. The classifications assigned to the waters of the State of North Carolina are set forth in the schedules of classifications and water quality standards assigned to the waters of the river basins of North Carolina, 15A NCAC 2B .0302 to .0317. These classifications are based upon the existing or contemplated best usage of the various streams and segments of streams in the basin, as determined through studies and evaluations and the holding of public hearings for consideration of the classifications proposed.

(b) Stream Names. The names of the streams listed in the schedules of assigned classifications were taken as far as possible from United States Geological Survey topographic maps. Where topographic maps were unavailable, U.S. Corps of Engineers maps, U.S. Department of Agriculture soil maps, and North Carolina highway maps were used for the selection of stream names.

(c) Classifications. The classifications assigned to the waters of North Carolina are denoted by the letters WS-I, WS-II, WS-III, WS-IV, WS-V, B, C, SA, SB, and SC in the column headed "class." A brief explanation of the "best usage" for which the waters in each class must be protected is given as follows:

Fresh Waters

Class WS-I: waters protected as water supplies which are in natural and undeveloped watersheds; in public ownership; point source discharges of treated wastewater are permitted pursuant to Rules .0104 and .0211 of this Subchapter; local programs to control nonpoint source and stormwater discharge of pollution are required; suitable for all Class C uses;

Class WS-II: waters protected as water supplies which are generally in predominantly undeveloped watersheds; point source discharges of treated wastewater are permitted pursuant to Rules .0104 and .0211 of this Subchapter; local programs to control nonpoint source and stormwater discharge of pollution are required; suitable for all Class C uses;

Class WS-III: waters protected as water supplies which are generally in low to moderately developed watersheds; point source discharges of treated wastewater are permitted pursuant to Rules .0104 and .0211 of this Subchapter; local programs to control nonpoint source and stormwater discharge of pollution are required; suitable for all Class C uses;

Class WS-IV: waters protected as water supplies which are generally in moderately to highly developed watersheds; point source discharges of treated wastewater are permitted pursuant to Rules .0104 and .0211 of this Subchapter; local programs to control nonpoint source and stormwater discharge of pollution are required; suitable for all Class C uses;

Class WS-V: waters protected as water supplies which are generally upstream and draining to Class WS-IV waters or waters previously used for drinking water supply purposes or waters used by industry to supply their employees, but not municipalities or counties, with a raw drinking water supply source, although this type of use is not restricted to a WS-V classification; no categorical restrictions on watershed development or treated wastewater discharges are required, however, the Commission or its designee may apply appropriate management requirements as deemed necessary for the protection of downstream receiving waters (15A NCAC 2B .0203); suitable for all Class C uses;

Class B: primary recreation and any other usage specified by the "C" classification;

Class C: aquatic life propagation and survival, fishing, wildlife, secondary recreation, and agriculture.

Tidal Salt Waters:

Class SA: shellfishing for market purposes and any other usage specified by the "SB" and "SC" classification;

Class SB: primary recreation and any other usage specified by the "SC" classification;

Class SC: aquatic life propagation and survival, fishing, wildlife, and secondary recreation.

Supplemental Classifications

Trout Waters: Suitable for natural trout propagation and maintenance of stocked trout;

Swamp Waters: Waters which have low velocities and other natural characteristics which are different from adjacent streams;

NSW: Nutrient Sensitive Waters which require limitations on nutrient inputs;

HQW: High Quality Waters which are waters that are rated as excellent based on biological and physical/chemical characteristics through division monitoring or special studies, native and special native trout waters (waters and their tributaries) designated by the Wildlife Resources Commission, primary nursery areas (PNA) designated by the Marine Fisheries Commission and other functional nursery areas designated by the Wildlife Resources Commission, critical habitat areas designated by the Wildlife Resources Commission or the Department of Agriculture, all water supply watersheds which are either classified as WS-I or WS-II or those for which a formal petition for reclassification as WS-I or WS-II has been received from the appropriate local government and accepted by the Division of Environmental Management and all Class SA waters.

ORW: Outstanding Resource Waters which are unique and special waters of exceptional state or national recreational or ecological significance which require special protection to maintain existing uses.

FWS: Future Water Supply Waters which are waters intended for future drinking water supply purposes.

(d) Water Quality Standards. The water quality standards applicable to each classification assigned are those established in 15A NCAC 2B .0200, Classifications and Water Quality Standards Applicable to the Surface Waters of North Carolina, as adopted by the North Carolina Environmental Management Commission.

(e) Index Number.

(1) Reading the Index Number. The index number appearing in the column so designated is an identification number assigned to each stream or segment of a stream, indicating the specific tributary progression between the main stem stream and the tributary stream.

(2) Cross-Referencing the Index Number. The inclusion of the index number in the schedule is to provide a cross reference between the classification schedules and an alphabetic list of streams.

(f) Classification Date. The classification date indicates the date on which enforcement of the provisions of Section 143-215.1 of the General Statutes of North Carolina became effective with reference to the classification assigned to the various streams in North Carolina.

(g) Reference. Copies of the schedules of classifications adopted and assigned to the waters of the various river basins may be obtained at no charge by writing to:

Director
Division of Environmental Management
Department of Environment, Health, and Natural Resources
Post Office Box 29535
Raleigh, North Carolina 27626-0535

(h) Places where the schedules may be inspected:

Division of State Library
Archives - State Library Building
109 E. Jones Street
Raleigh, North Carolina.

(i) Unnamed Streams.

(1) Any stream which is not named in the schedule of stream classifications carries the same classification as that assigned to the stream segment to which it is tributary except:

(A) unnamed streams specifically described in the schedule of classifications; or

(B) unnamed freshwaters tributary to tidal saltwaters will be classified "C"; or

(C) after November 1, 1986, any newly created areas of tidal saltwater which are connected to Class SA waters by approved dredging projects will be classified "SC" unless case-by-case reclassification proceedings are conducted.

(2) The following river basins have different policies for unnamed streams entering other states or for specific areas of the basin:

Hiwassee River Basin (Rule .0302); Little Tennessee River Basin and Savannah River Drainage Area (Rule .0303); French Broad River Basin (Rule .0304); Watauga River Basin (Rule .0305); Broad River Basin (Rule .0306); New River Basin (Rule .0307); Catawba River Basin (Rule .0308); Yadkin-Pee Dee River Basin (Rule .0309); Lumber River Basin (Rule .0310); Roanoke River Basin (Rule .0313); Tar-Pamlico River Basin (Rule .0316); Pasquotank River Basin (Rule .0317).

History Note: *Authority G.S. 143-214.1; 143-215.1; 143-215.3(a)(1);*
Eff. February 1, 1976;
Amended Eff. August 1, 1995; August 3, 1992; August 1, 1990; October 1, 1989.

.0311 CAPE FEAR RIVER BASIN

Name of Stream	Description	Class	Classification Date	Index No.
West Fork Deep River	From Boulding Branch to High Point Lake, Deep Rive	WS-IV CA *	04/01/99	17-3-(3)
DEEP RIVER	From dam at High Point Lak to Guilford County SR 1334	WS-IV *	04/01/99	17-(3.3)
DEEP RIVER	From Guilford County SR 1334 to dam at Oakdale Cotton Mills, Inc. (Town o Jamestown water supply intake)	WS-IV CA *	04/01/99	17-(3.7)
DEEP RIVER	From dam at Oakdale Cotton Mills, Inc. to dam at Randleman Reservoir (located 1.6 mile upstream of U.S. Hwy. 220 Business)	WS-IV CA *	04/01/99	17-(4)
Bull Run	From source to a point 0.5 mile upstream of mouth	WS-IV *	04/01/99	17-5-(1)
Bull Run	From a point 0.5 mile upstream of mouth to Randleman Reservoir, Deep River	WS-IV CA *	04/01/99	17-5-(2)
Copper Branch (Cooper Branch)	From source to a point 0.6 mile upstream of mouth	WS-IV *	04/01/99	17-6-(1)
Copper Branch (Cooper Branch)	From a point 0.6 mile upstream of mouth to Randleman Reservoir, Deep River	WS-IV CA *	04/01/99	17-6-(2)
Richland Creek	From source to a point 0.4 mile upstream of Guilford County SR 1154	WS-IV *	04/01/99	17-7-(0.5)
Kivett Lake	Entire lake and connecting stream to Richland Creek	WS-IV *	04/01/99	17-7-1
Triangle Lake	Entire lake and connecting stream to Richland Creek	WS-IV *	04/01/99	17-7-2
Mile Branch (Two Mile Branch) (Jackson Lake)	From source to Richland Creek	WS-IV *	04/01/99	17-7-3
Richland Creek	From a point 0.4 mile upstream of Guilford Count SR 1154 to Randleman Reservoir, Deep River	WS-IV CA *	04/01/99	17-7-(4)
Reddicks Creek	From source to a point 0.9 mile upstream of mouth	WS-IV *	04/01/99	17-8-(0.5)
Dogwood Lake	Entire lake and connecting stream to Reddicks Creek	WS-IV *	04/01/99	17-8-1

.0311 CAPE FEAR RIVER BASIN

Name of Stream	Description	Class	Classification Date	Index No.
Jenny Branch	From source to Reddicks Creek	WS-IV *	04/01/99	17-8-2
Reddicks Creek	From a point 0.9 mile upstream of mouth to Randleman Reservoir, Deep River	WS-IV CA *	04/01/99	17-8-(3)
Hickory Creek	From source to a point 0.6 mile upstream of mouth	WS-IV *	04/01/99	17-8.5-(1)
Unnamed Tributary at Camp Douglas Long	From source to dam at Camp Douglas Long Lake	WS-IV&B *	04/01/99	17-8.5-2-(1)
Unnamed Tributary at Camp Douglas Long	From dam at Camp Douglas Long Lake to Hickory Creek	WS-IV *	04/01/99	17-8.5-2-(2)
Hickory Creek	From a point 0.6 mile upstream of mouth to Randleman Reservoir, Deep River	WS-IV CA *	04/01/99	17-8.5-(3)
Muddy Creek	From source to a point 0.5 mile upstream of mouth	WS-IV *	04/01/99	17-9-(1)
Muddy Creek	From a point 0.5 mile upstream of mouth to Randleman Reservoir, Deep River	WS-IV CA *	04/01/99	17-9-(2)
Taylor Branch	From source to a point 0.5 mile upstream of mouth	WS-IV *	04/01/99	17-9.3-(1)
Taylor Branch	From a point 0.5 mile upstream of mouth to Randleman Reservoir, Deep River	WS-IV CA *	04/01/99	17-9.3-(2)
Bob Branch	From source to a point 0.5 mile upstream of mouth	WS-IV *	04/01/99	17-9.6-(1)
Bob Branch	From a point 0.5 mile upstream of mouth to Randleman Reservoir, Deep River	WS-IV CA *	04/01/99	17-9.6-(2)
Simmons Branch	From source to a point 0.5 mile upstream of mouth	WS-IV *	04/01/99	17-10-(1)
Simmons Branch	From a point 0.5 mile upstream of mouth to Randleman Reservoir, Deep River	WS-IV CA *	04/01/99	17-10-(2)
DEEP RIVER	From dam at Randleman Reservoir to Grassy Creek	C	04/01/99	17-(10.5)
Polecat Creek	From source to a point 0.4 mile downstream of Randolp County SR 2116	WS-III	08/03/92	17-11-(1)

NC DENR - DIVISON OF WATER QUALITY
STREAM CLASSIFICATION DESCRIPTIONS

Class	Description
B	Primary Recreation, Fresh Water
C	Aquatic Life, Secondary Recreation, Fres
CA	Critical Area
FWS	Future Water Supply Waters
HQW	High Quality Waters
N/A	Not Applicable/Out of State
NSW	Nutrient Sensitive Waters
ORW	Outstanding Resource Waters
SA	Market Shellfishing, Salt Water
SB	Primary Recreation, Salt Water
SC	Aquatic Life, Secondary Recreation, Salt
Sw	Swamp Waters
Tr	Trout Waters
WS-I	Water Supply I -- Natural
WS-II	Water Supply II -- Undeveloped
WS-III	Water Supply III -- Moderately Developed
WS-IV	Water Supply IV -- Highly Developed
WS-V	Water Supply V -- Upstream

APPENDIX 8

Local Government Approval and Franchise Agreement Documentation

Local Government Approval

CITY OF HIGH POINT
NORTH CAROLINA
PLANNING AND DEVELOPMENT DEPARTMENT

RECEIVED
DEC 13 2001

December 10, 2001

FILE COPY

PROJECT# 600 /TASK# 01

Subfolder # PERMIT

MRR of High Point, LLC
421 Raleigh View Road
Raleigh, NC 27610

Julian M. Foscue
Joyce Engineering, Inc.
Henderson Bldg., Ste. 203
2301 W. Meadowvie Road
Greensboro, NC. 27407

RE: Rezoning Case 01-19, Special Use Permits 01-06 & 01-07

Dear Gentlemen:

On October 30, 2001, the High Point City Council approved your request to rezone approximately 162.5 acres from the Residential Single Family-40 (RS-40) with Manufactured Housing (MH) Overlay (RS-40/MH) District and Agricultural (AG) District to a Conditional Use Agricultural (CU AG) District; and Special Use Permits to allow Major Demolition Debris Landfill and Recycling Processing Center in this district. The property is located along the west side of Riverdale Drive, beginning approximately 800 feet south of E. Kivett Drive and continuing south for approximately 1,570 feet and lying north of Cashatt Road and is known as Guilford County Tax Parcel(s) 15-94-7043-941-1, 15-94-7043-941-4, 15-94-7043-941-16 and 15-94-7041-940-9.

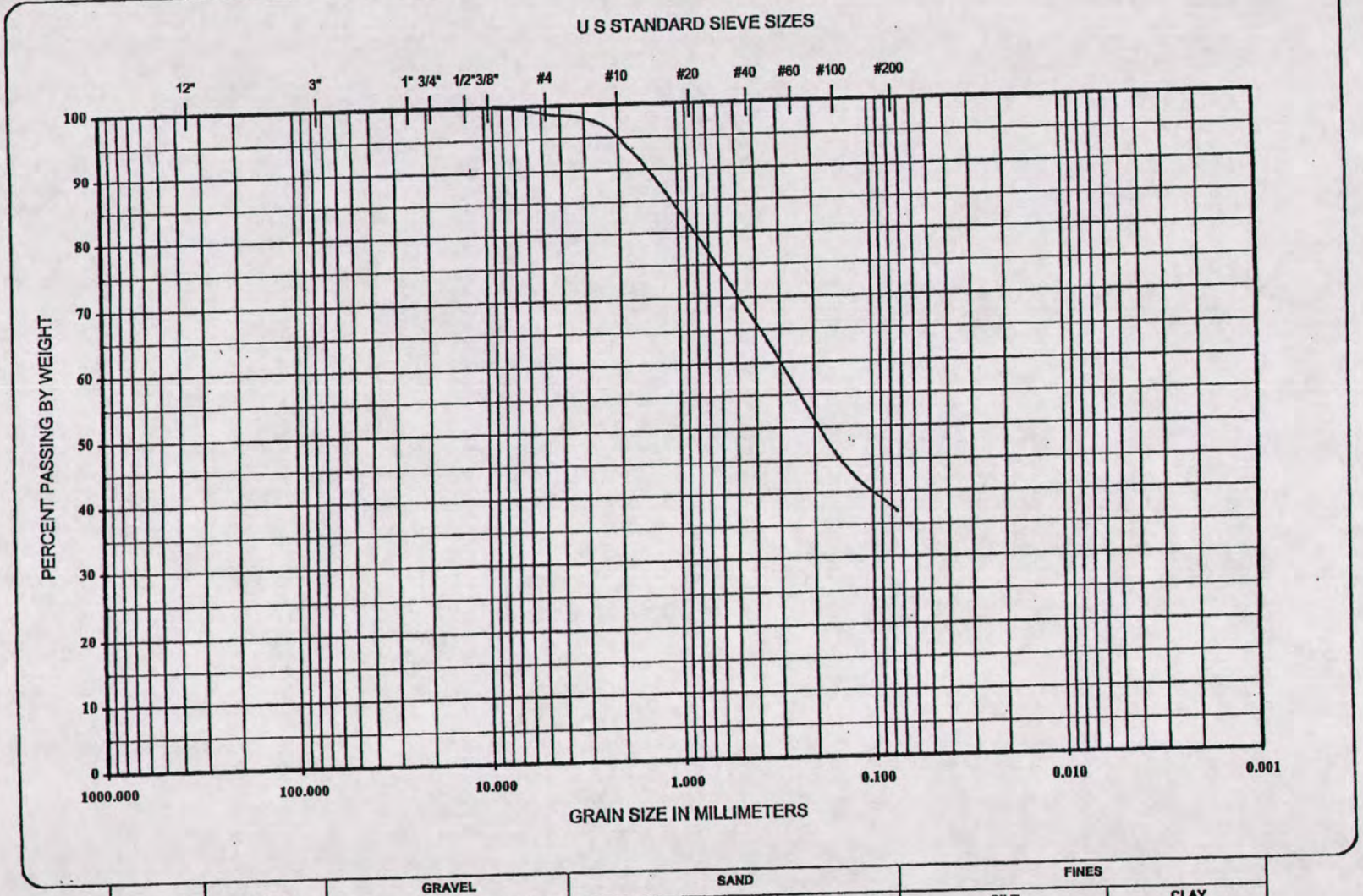
Attached are copies of the Conditional Use Permit and both Special Use Permits.

Should you have any questions regarding the Council's decision, please feel free to contact me at 883-3309.

Sincerely,

Herbert Shannon

Herbert Shannon, AICP
Planner II
Department of Planning and Development



BOULDERS	COBBLES	GRAVEL		SAND			FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

BORING NO.	SAMPLE NO.	ELEVATION OR DEPTH	NMC %	LL	PL	PI	CLASSIFICATION
	P-3 Bulk	0-10'		36	23	13	Brown-Orange Clayey SAND SC

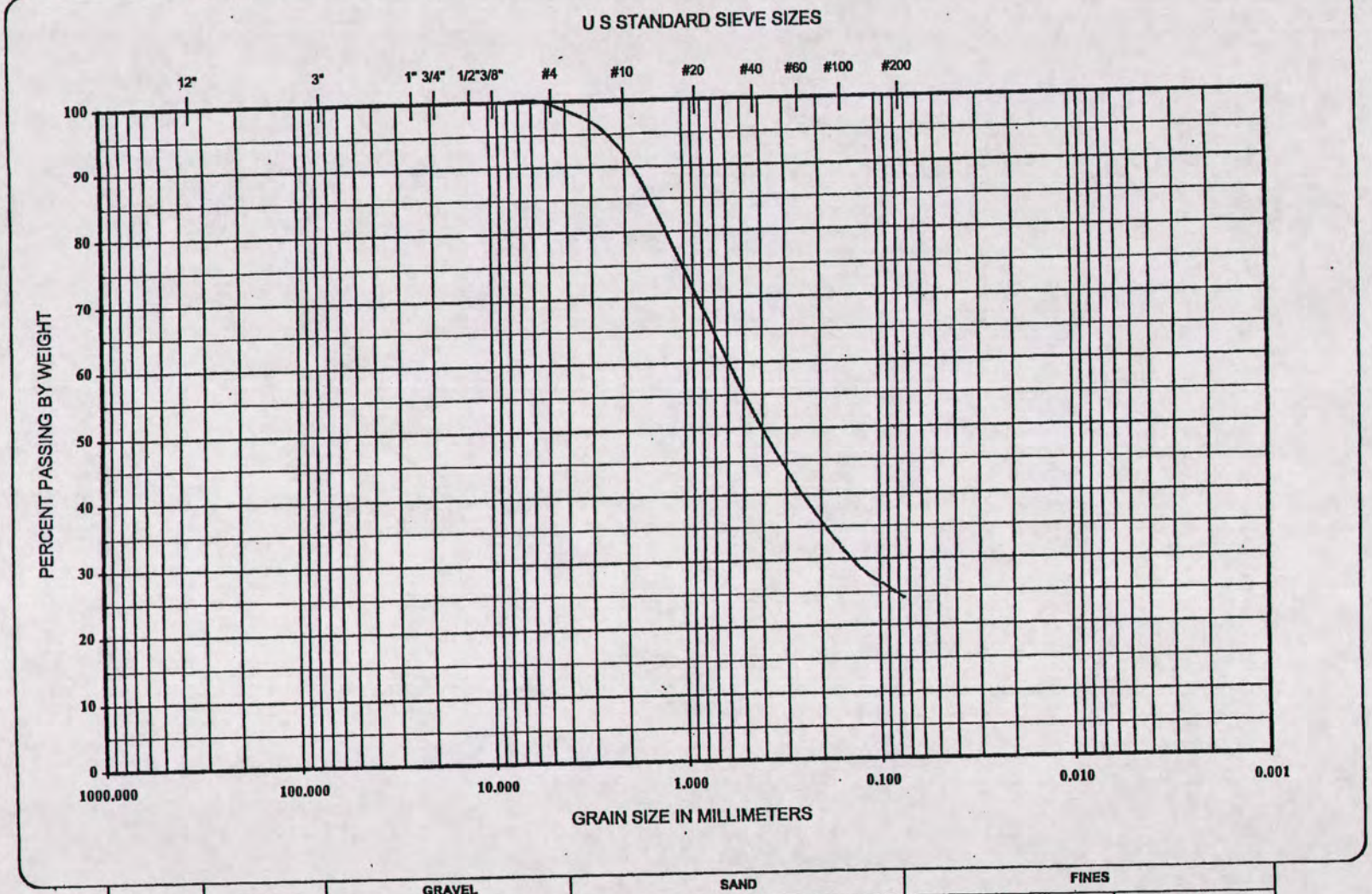
GRAIN SIZE DISTRIBUTION

Material Recovery and Reclamation of High Point, LLC

Trigon Project Number 013-02-050

Date 3/29/02

TRIGON



BOULDERS	COBBLES	GRAVEL		SAND			FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

BORING NO.	SAMPLE NO.	ELEVATION OR DEPTH	NMC %	LL	PL	PI	CLASSIFICATION
	P-13	5-7'		22	21	1	Tan Silty SAND SM

GRAIN SIZE DISTRIBUTION

Material Recovery and Reclamation of High Point, LLC

Trigon Project Number 013-02-050

Date 3/29/02

TRIGON

APPLICATION FOR A CONDITIONAL USE PERMIT

CITY OF HIGH POINT, NORTH CAROLINA

October 30, 2001
(Adopted)

TO THE CITY COUNCIL OF THE CITY OF HIGH POINT:

The undersigned hereby respectfully request that the High Point City Council, pursuant to Title 9, Chapter 3 of the City Code, grant a Conditional Use Permit for the following use(s), subject to the following conditions:

I. USES: Any of the land uses allowed in the Agriculture (AG) District shall be permitted, subject to the development and dimensional requirements of the Development Ordinance and subject to the specific conditions of this Permit.

II. CONDITIONS:

A. Prohibited Uses:
The following uses, enumerated in Table 4-5-1, Permitted Use Schedule, of the Development Ordinance shall be prohibited:

1. Theater, Outdoor (Ref. SIC 7833)
2. Agricultural Chem./Pesticides/Fertilizers (Ref. SIC 5919
3. Agricultural Products, Other (Ref. SIC 5159)
4. Animals and Animal Products, Other (Ref. SIC 5159)
5. Farm Supplies, Other (Ref. SIC 5191)
6. Grain and Field Beans (Ref. SIC 5153)
7. Livestock (Ref. SIC 5154)
8. Airports or Air Transportation Facilities (Ref. SIC 4500)
9. Heliports (Ref. SIC 4522)
10. Mining and Quarrying (Ref. SIC 1000)
11. Salvage yards, Auto Parts (Ref. SIC 5015)
12. Salvage yards, Scrap Processing (Ref. SIC 5093
13. Major Demolition Debris Landfills shall be prohibited on that portion of the site lying within Tier 3 of the Randleman Lake Critical Watershed Area.

B. Lot Combination: All parcels of the rezoning site shall be combined into one lot prior to resubdivision or development.

C. Dedication for Public Use

1. The property owner agrees to dedicate for public recreational use by the City of High Point, or sell at nominal price for the same purpose, all areas situated or lying above the Major Demolition Debris Landfill after the entire landfill or sections thereof are at capacity and capped off. This offer of dedication or sale is predicated upon:
   a. Approval by all permitting authorities;
   b. Approval by the City of High Point;
   c. The City's agreement to incur all maintenance and liability responsibility for the recreational facilities; and
   d. The property owner's release from ad valorem tax liability for the portions of the site sold or dedicated.

2. All monitoring and other land fill related cost and liabilities would continue to be the responsibility of the property owner. "Nominal price", as stated above, shall be interpreted as meaning sufficient consideration for contractual purposes and/or sufficient to mitigate additional costs incurred by the property owner to fulfill this condition.

D. Transportation:

1. Right-of-way:
   a. For future transportation improvements and to mitigate traffic impacts the property owner shall dedicate any additional right-of-way necessary to achieve a minimum distance of thirty-four (34) feet from the existing centerline of Riverdale Road along the entire frontage of the rezoning site.
   b. In addition to the above noted dedication, an additional twelve (12) feet of right-of-way dedication shall be required along Riverdale Road for the right turn lane as described in Condition II. B.2 of this permit.
   c. The applicant shall dedicate sixty-four (64) feet of right-of-way for the construction of a future road located south of the Watershed Critical Area Tier 3 line.

2. Turn Lanes: A right turn lane shall be provided at the access point to Riverdale Road. Construction of the right turn lane shall require an additional twelve (12) feet of right-of-way dedication. The turn lane shall be constructed at the same time as the driveway is installed.

3. The City of High Point Director of Transportation shall approve the exact location and design of all access points and turn lanes. In addition, the City of High Point Director of Transportation and the North Carolina Department of Transportation (NCDOT) shall also approve all access construction and improvements.

DESCRIPTION OF PROPERTY: Being a total of five (5) lots totaling approximately 151 acres generally located approximately 800 feet south of Kivett Drive along the west side of Riverdale Drive and north of Cashatt Road and is known as Guilford County Tax Parcel(s) 15-94-7043-941-1, 15-94-7043-941-3, 15-94-7043-941-4, 15-94-7043-941-16 and 15-94-7041-940-9 (portion).

An application has been duly filed requesting that the property involved in this application be rezoned from the Residential Single Family–40 with Manufactured Housing (MH) Overlay (RS-40/MH) District (Guilford County) and Agricultural (AG) District (Guilford County) to a Conditional Use Agricultural (CU-AG) District. It is understood and acknowledged that if the property is rezoned as requested and the Conditional Use Permit authorized, the property described in this request will be perpetually bound by the use(s) authorized and the conditions imposed, unless subsequently changed or amended as provided for a Title 9, Chapter 3, of the City Code.

It is further understood and acknowledged that plans for any development to be made pursuant to any such Conditional Use Permit so authorized shall be submitted to the Technical Review Committee and/or other such approval authorities for review in the same manner as other such plans now required to be approved by the City of High Point.

Roger D. Queen
Roger D. Queen

7177 Suits Road
Archdale, NC 27263

Amanda L. Queen
Amanda L. Queen

7177 Suits Road
Archdale, NC 27263

North Carolina
(STATE)

Guilford
(COUNTY)

I, Shirley S. McDaniel, a Notary Public of said County and State, do hereby certify that Roger D. Queen and Amanda L. Queen, personally came before me this day and acknowledged that he/she is the owner of real property described in the foregoing application.

WITNESS my hand and official seal, this the 21st **day of** November, **20** 01.

Shirley S. McDaniel
Notary Public

"OFFICIAL SEAL"
Notary Public, North Carolina
County of Guilford
Shirley S. McDaniel
My Commission Expires 1/30/2003

My commission expires: 1-30-2003

F. Norbert Hector, Manager
MRR of High Point, LLC

421 Raleigh View Road
Raleigh, NC 27610

ATTEST:

Secretary
(Corporate seal)

Wake
(County)

North Carolina
(State)

I, Melodie Brewer, a Notary Public for said County and State, do hereby certify that **F. Norbert Hector, Jr.** personally came before me this day and acknowledged that he is **Manager** of **MRR of High Point, LLC**, a corporation, and that by authority duly given and as the act of the corporation the foregoing instrument was signed in its name by its **Manager**, sealed with its corporate seal, and attested by himself/herself as its **Assistant Secretary.**

WITNESS my hand and official seal, this the 27 day of November 20 01.

(Official Seal)

MELODIE BREWER
NOTARY
PUBLIC
N.C.

Melodie Brewer
Notary Public

My commission expires: 8/24, 2003.

F. Norbert Hector, Manager
MRR of High Point, LLC

421 Raleigh View Road
Raleigh, NC 27610

ATTEST:

Secretary
(Corporate seal)

North Carolina
(STATE)

Wake
(COUNTY)

I, Melodie Brewer, a Notary Public of said County and State, do hereby certify that **F. Norbert Hector, Manager of MRR of High Point, LLC**, personally came before me this day and acknowledged that **MRR of High Point, LLC** is the owner of real property described in the foregoing application.

WITNESS my hand and official seal, this the 27 **day of** November, **20** 01.

(Official Seal)

Melodie Brewer
Notary Public

My commission expires: 8/24, **20**03.

MELODIE BREWER
NOTARY
***
PUBLIC
WAKE COUNTY, N.C.

SPECIAL USE PERMIT 01-06
CITY OF HIGH POINT, NORTH CAROLINA
October 30, 2001
(Adopted)

THE CITY OF HIGH POINT CITY COUNCIL, PURSUANT TO SECTION 9-3-14, SPECIAL USE PERMITS, OF THE CITY OF HIGH POINT DEVELOPMENT ORDINANCE, APPROVED A SPECIAL USE PERMIT AND SITE PLAN FOR THE FOLLOWING USE, SUBJECT TO THE FOLLOWING CONDITION(S):

USE: Demolition Debris Landfill (Major) and customary accessory uses associated with this use as allowed in the Agriculture (AG) District shall be permitted, subject to the development and dimensional requirements of the AG District.

CONDITIONS:

A. Operation of this facility shall be permitted only between the hours of 7am and 7pm Monday thru Friday and from 7:30 am to 1:00 pm on Saturdays, excluding national holidays, unless specifically authorized by the City. Any operation beyond these days and hours shall be in accordance with the following requirements:
   1. Any request for extension shall be approved by the City Manager.
   2. Request for extended operation shall only be for emergency situations, such as debris removal after a hurricane, or similar situations in which the timely removal of debris is a public necessity.
   3. The property owner shall be required to submit a written request detailing the purpose, public safety issues and number of days for the requested extension.
   4. In no instance shall hours of operation extend past 11 pm.

B. The use and the boundary of the filling/grading area shall conform to the approved site plan. No grading and/or filling shall be permitted outside of this area. Except for approved access points, sedimentation ponds, stormwater control measures, and constructed wetlands/streambank restoration projects, no aspect of this operation shall be within the Watershed Critical Area for Randleman Lake. At a minimum, all on-site engineered stormwater control ponds shall be oversized by a twenty (20) percent capacity factor based on a 25-year storm design.

C. <u>Landscaping and Screening</u>:
   1. A minimum fifty (50) foot wide Type A Planting Yard shall be required where the site abuts residential uses and/or zoning along the northern and eastern property line *(next to Guilford County Tax Parcels 15-94-7041-940-8; 15-94-7043-941-17 & 23; 15-94-7043-941-7; along that portion of 15-94-7016-882-4 lying north of the Duke power transmission line and along the entire Riverdale Drive frontage of the site).* All existing trees and vegetation shall be preserved in this planting yard and supplemented, where necessary, to

meet the Type A Planting Yard rate. The property owner shall be permitted to remove unhealthy vegetation and vegetation that may pose a danger. The property owner shall also be permitted to prune existing vegetation within the planting yard area in order to maintain the health of the existing vegetation.

2. An earthen screening berm shall be required to screen the visual and noise impact of the use. At a minimum, such berm shall consist of the following:

   a. The berm shall be established internally upon the site, outside of the minimum fifty (50) foot wide Type A Planting Yard, along the northern and eastern portion of the site *(next to Guilford County Tax Parcels 15-94-7041-940-8; 15-94-7043-941-17 & 23; and along the entire Riverdale Drive frontage of the site.)*
   b. Minimum development standards for the berm shall consist of the following:
      i. Minimum ten (10) foot high.
      ii. Maximum 2:1 side slopes.
      iii. Minimum five (5) foot wide level planting area upon the top.
      iv. The berm shall be required to have vegetative ground cover and evergreen trees upon the five (5) foot wide planting area. Trees shall be planted a maximum of 15 feet apart and have a minimum caliper of 1 - 1 ½ inches and height of six (6) feet at the time of planting
   c. Along the Riverdale Road frontage of the site, the berm may not be required in areas used for vehicle access or non-processing office/support structures. In no instance, shall there be a break/gap of more than 100 feet of the berm for access or office/support structures.
   d. The screening berm shall be required to be fully installed and landscaped prior to the commencement of any demolition debris landfill grading or fill activity other than the excavation of on-site material for the berm itself.

D. Development of the site and demolition debris landfill grading for fill areas or filling activity shall not commence until all local agency approvals have been granted and the State's "permit to construct" has been issued.

E. The demolition debris landfill shall operate in conformity will all relevant local and state public health and safety regulations and in such a manner as to prevent the creation of a nuisance, unsanitary conditions, or potential public health hazard. The City Council, upon showing of due cause, shall have the authority to schedule a hearing and consider the revocation of this permit upon evidence of violation of any state and local regulations that govern this use. At its option, the City may also elect to issue a "notice of violation" for minor or incidental violations that are easily or quickly corrected.

F. Prior to applying to the State for a permit to operate a demolition debris landfill, including all permit reviews by the State, the owner/operator shall give notice to the Department of Planning & Development of such application. Such notice shall be a minimum of 30-days prior to filing of the application with the State. The purpose of the notification is so that the city may comment to the State on the requested approval.

G. Prior to each permit review by the State, the owner/operator shall notify the Department of Planning & Development of such review in order to allow the City a reasonable opportunity to ensure that the demolition debris landfill is operating in accordance with the conditions of this Permit. The owner/operator shall offer to amend this Permit to incorporate any new regulations adopted by the State of North Carolina that pertain to demolition debris landfills, so long as the newly adopted regulations are more stringent that current regulations. The Department of Planning & Development shall be authorized to determine whether it is in the city's interest that such newly adopted State regulations be incorporated into this Permit.

H. Access to the landfill shall be controlled with gates, chains, fences, ditches, and/or trees to prevent unregulated dumping.

I. All unpaved areas shall be maintained in a manner which prevents dust from adversely impacting adjacent properties. The access drives shall be of all-weather construction and properly maintained. Adequate erosion control measures, structures, or devices shall be utilized to prevent soil for leaving the site and to prevent excessive on site erosion.

J. Appropriate methods shall be provided to confine material subject to be blown by the wind within the area. At the conclusion of each day of operation, all windblown material resulting from the operation shall be collected and returned to the area by the owner or operator.

K. No filling is permitted in any Flood Hazard Area. No filling is permitted in minor drainageways unless the drainage has been piped in accordance with approved plans. No filling is permitted in utility easements.

L. Landfills shall be closed with a minimum of two (2) feet of clean soil, graded to a maximum slope of three to one (3:1), and stabilized with vegetation or by other approved means.

M. An information board sign shall be posted and maintained at the entrance, listing the name and telephone number of the current operator, the types of material accepted, and the hours of operation.

N. Portions of the site lying within Tier 3 of the Randleman Lake Critical Watershed Area shall not be used for filling or storage of debris for the Major Demolition Landfill.

O. Dedication for Public Use

1. The property owner agrees to dedicate for public recreational use by the City of High Point, or sell at nominal price for the same purpose, all areas situated or lying above the Major Demolition Debris Landfill after the entire landfill or sections thereof are at capacity and capped off. This offer of dedication or sale is predicated upon:
   a. Approval by all permitting authorities;
   b. Approval by the City of High Point;
   c. The City's agreement to incur all maintenance and liability responsibility for the recreational facilities; and
   d. The property owner's release from ad valorem tax liability for the portions of the site sold or dedicated.

2. All monitoring and other land fill related cost and liabilities would continue to be the responsibility of the property owner. "Nominal price", as stated above, shall be interpreted as meaning sufficient consideration for contractual purposes and/or sufficient to mitigate additional costs incurred by the property owner to fulfill this condition.

P. The landfill may only be used so long as the applicant is operating a recycling processing center on site that reduces the stream of materials entering the landfill and monitors the materials entering the landfill. The applicant further agrees that cessation of use of the recycling processing center shall provide sufficient authority within the City of High Point to revoke the property owner's conditional use and special use permits governing and allowing use of the demolition debris landfill on the site.

Q. The property owner acknowledges that all conditions contained in this permit are binding, legal conditions, and that failure to meet any of the conditions herein may result in revocation of the permit until such conditions are met.

Description of Property: Being a total of six (6) lots totaling approximately 153.8 acres generally located approximately 800 feet south of Kivett Drive along the west side of Riverdale Drive and north of Cashatt Road and is known as Guilford County Tax Parcel(s) 15-94-7043-941-3 (portion) and lots 15-94-7043-941-1, 15-94-7043-941-4, 15-94-7043-941-16, 15-94-7041-940-9, and 18-386-1-1 (portion)

This Special Use Permit and approved site plan are perpetually binding upon the above-described property, unless subsequently amended as provided in the Development Ordinance or until a use otherwise permitted in the zoning district is established.

This Special Use Permit shall become void after eighteen (18) months from the date of City Council approval or a lesser time, if conditioned, unless the Special Use authorized has begun and/or a footing inspection has been approved. If the Special Use authorized is discontinued for a period exceeding eighteen (18) months or replaced by a use otherwise permitted in the zoning district, then the Special Use shall be deemed abandoned and this Special Use Permit shall be null and void and of no effect. If for any reason any condition imposed this Special Use Permit is found to be illegal or invalid, then this Special Use Permit shall be null and void and of no effect.

The issuance of this Special Use Permit authorizes the filing of an application for a building permit, site plan, subdivision or other development approval as required by the Development Ordinance.

SPECIAL USE PERMIT 01-06 AND THE ACCOMPANYING SITE PLAN WERE APPROVED BY THE CITY COUNCIL OF HIGH POINT, NORTH CAROLINA ON THE 30th DAY OF OCTOBER, 2001.

Lisa B. Vierling

Lisa B. Vierling
City Clerk

10/30/01
Date

SPECIAL USE PERMIT 01-07
CITY OF HIGH POINT, NORTH CAROLINA
October 30, 2001
(Adopted)

THE CITY OF HIGH POINT CITY COUNCIL, PURSUANT TO SECTION 9-3-14, SPECIAL USE PERMITS, OF THE CITY OF HIGH POINT DEVELOPMENT ORDINANCE, APPROVED A SPECIAL USE PERMIT AND SITE PLAN FOR THE FOLLOWING USE, SUBJECT TO THE FOLLOWING CONDITION(S):

USE: Recycling Processing Center and customary accessory uses associated with this use as allowed in the Agriculture (AG) District shall be permitted, subject to the development and dimensional requirements of the AG District.

CONDITIONS:

A. Operation of this facility shall be permitted only between the hours of 7am and 7pm Monday thru Friday and from 7:30 am to 1:00 pm on Saturdays, excluding national holidays, unless specifically authorized by the City. Any operation beyond these days and hours shall be in accordance with the following requirements:
   1. Any request for extension shall be approved by the City Manager.
   2. Request for extended operation shall only be for emergency situations, such as debris removal after a hurricane, or similar situations in which the timely removal of debris is a public necessity.
   3. The property owner shall be required to submit a written request detailing the purpose, public safety issues and number of days for the requested extension.
   4. In no instance shall hours of operation extend past 11 pm.

B. The use and the boundary of the filling/grading area shall conform to the approved site plan. No grading and/or filling shall be permitted outside of this area. Except for approved access points, sedimentation ponds, stormwater control measures, and constructed wetlands/streambank restoration projects, no aspect of this operation shall be within the Watershed Critical Area for Randleman Lake. At a minimum, all on-site engineered stormwater control ponds shall be oversized by a twenty (20) percent capacity factor based on 25-year storm design

C. Landscaping and Screening:
   1. A minimum fifty (50) foot wide Type A Planting Yard shall be required where the site abuts residential uses and/or zoning along the northern and eastern property line *(next to Guilford County Tax Parcels 15-94-7041-940-8; 15-94-7043-941-17 & 23; 15-94-7043-941-7; along that portion of 15-94-7016-882-4 lying north of the Duke power transmission line and along the entire Riverdale Drive frontage of the site).* All existing trees and vegetation

shall be preserved in this planting yard and supplemented, where necessary, to meet the Type A Planting Yard rate. The property owner shall be permitted to remove unhealthy vegetation and vegetation that may pose a danger. The property owner shall also be permitted to prune existing vegetation within the planting yard area in order to maintain the health of the existing vegetation.

2. An earthen screening berm shall be required to screen the visual and noise impact of the use. At a minimum, such berm shall consist of the following:

   a. The berm shall be established internally upon the site, outside of the minimum fifty (50) foot wide Type A Planting Yard, along the northern and eastern portion of the site *(next to Guilford County Tax Parcels 15-94-7041-940-8; 15-94-7043-941-17 & 23; and along the entire Riverdale Drive frontage of the site.)*
   b. Minimum development standards for the berm shall consist of the following:
      i. Minimum ten (10) foot high.
      ii. Maximum 2:1 side slopes.
      iii. Minimum five (5) foot wide level planting area upon the top.
      iv. The berm shall be required to have vegetative ground cover and evergreen trees upon the five (5) foot wide planting area. Trees shall be planted a maximum of 15 feet apart and have a minimum caliper of 1 - 1 ½ inches and height of six (6) feet at the time of planting
   c. Along the Riverdale Road frontage of the site, the berm may not be required in areas used for vehicle access or non-processing office/support structures. In no instance, shall there be a break/gap of more than 100 feet of the berm for access or office/support structures.
   d. The screening berm shall be required to be fully installed and landscaped prior to the commencement of any demolition debris landfill grading or fill activity other than the excavation of on-site material for the berm itself.

D. Development of the site and recycling processing center activities shall not commence until all local agency approvals have been granted and the State's "permit to construct" has been issued.

E. The recycling processing center shall operate in conformity will all relevant local and state public health and safety regulations and in such a manner as to prevent the creation of a nuisance, unsanitary conditions, or potential public health hazard. The City Council, upon showing of due cause, shall have the authority to schedule a hearing and consider the revocation of this permit upon evidence of violation of any state and local regulations that govern this use. At its option, the City may also elect to issue a "notice of violation" for minor or incidental violations that are easily or quickly corrected.

F. Prior to applying to the State for a permit to operate a recycling processing center, including all permit reviews by the State, the owner/operator shall give notice to the Department of Planning & Development of such application. Such notice shall be a minimum of 30-days prior to filing of the application with the State. The purpose of the notification is so that the city may comment to the State on the requested approval.

G. Prior to each permit review by the State, the owner/operator shall notify the Department of Planning & Development of such review in order to allow the City a reasonable opportunity to ensure that the recycling processing center is operating in accordance with the conditions of this Permit. The owner/operator shall offer to amend this Permit to incorporate any new regulations adopted by the State of North Carolina that pertain to recycling processing centers, so long as the newly adopted regulations are more stringent that current regulations. The Department of Planning & Development shall be authorized to determine whether it is in the city's interest that such newly adopted State regulations be incorporated into this Permit.

H. Access to the recycling processing center shall be controlled with gates, chains, fences, ditches, and/or trees to prevent unregulated dumping.

I. All unpaved areas shall be maintained in a manner which prevents dust from adversely impacting adjacent properties. The access drives shall be of all-weather construction and properly maintained. Adequate erosion control measures, structures, or devices shall be utilized to prevent soil for leaving the site and to prevent excessive on site erosion.

J. Appropriate methods shall be provided to confine material subject to be blown by the wind within the area. At the conclusion of each day of operation, all windblown material resulting from the operation shall be collected and returned to the area by the owner or operator.

K. No storage of materials is permitted in any Flood Hazard Area; minor drainageways unless the drainage has been piped in accordance with approved plans or utility easements.

L. Material storage piles shall not exceed thirty (30) feet in height.

M. An information board sign shall be posted and maintained at the entrance, listing the name and telephone number of the current operator, the types of material accepted, and the hours of operation.

N. The property owner acknowledges that all conditions contained in this permit are binding, legal conditions, and that failure to meet any of the conditions herein may result in revocation of the permit until such conditions are met.

Description of Property: Being a total of six (6) lots totaling approximately 153.8 acres generally located approximately 800 feet south of Kivett Drive along the west side of Riverdale Drive and north of Cashatt Road and is known as Guilford County Tax Parcel(s) 15-94-7043-941-3 (portion) and lots 15-94-7043-941-1, 15-94-7043-941-4, 15-94-7043-941-16, 15-94-7041-940-9, and 18-386-1-1 (portion)

This Special Use Permit and approved site plan are perpetually binding upon the above-described property, unless subsequently amended as provided in the Development Ordinance or until a use otherwise permitted in the zoning district is established.

This Special Use Permit shall become void after eighteen (18) months from the date of City Council approval or a lesser time, if conditioned, unless the Special Use authorized has begun and/or a footing inspection has been approved. If the Special Use authorized is discontinued for a period exceeding eighteen (18) months or replaced by a use otherwise permitted in the zoning district, then the Special Use shall be deemed abandoned and this Special Use Permit shall be null and void and of no effect. If for any reason any condition imposed this Special Use Permit is found to be illegal or invalid, then this Special Use Permit shall be null and void and of no effect.

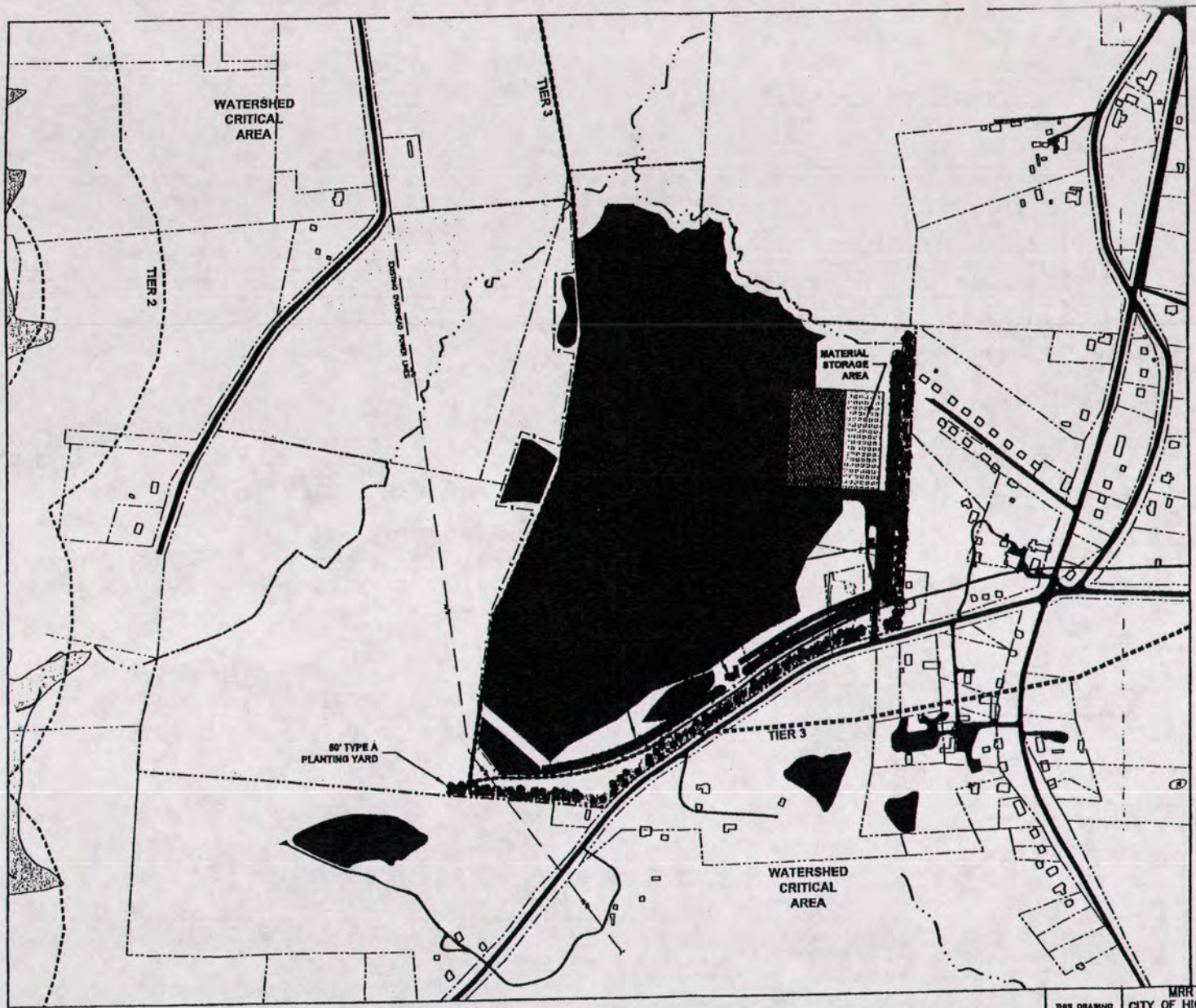
The issuance of this Special Use Permit authorizes the filing of an application for a building permit, site plan, subdivision or other development approval as required by the Development Ordinance.

SPECIAL USE PERMIT 01-07 AND THE ACCOMPANYING SITE PLAN WERE APPROVED BY THE CITY COUNCIL OF HIGH POINT, NORTH CAROLINA ON THE 30th DAY OF OCTOBER, 2001.

Lisa B. Vierling

Lisa B. Vierling
City Clerk

10/30/01
Date



LEGEND

- ACCESS ROAD
- PERENNIAL STREAM/WATER SURFACE
- ADJACENT PROPERTY LINES
- FACILITY BOUNDARY
- WATERSHED CRITICAL AREA BOUNDARY
- LIMITS OF WASTE
- FENCE LINE
- POWER LINE
- BUILDING
- APPROXIMATE WASTE LIMITS
- PROPOSED SEDIMENTATION PONDS APPROXIMATE LOCATION
- FLOODPLAIN APPROXIMATE LOCATION
- EXISTING POND

Special Use Permit 01-06 and the accompanying site plan were approved by the City Council of High Point, NC on the 30th day of October, 2001.

Special Use Permit 01-07 and the accompanying site plan were approved by the City Council of High Point, NC on the 30th day of October, 2001.

Lisa B. Vierling
City Clerk

10/30/01
Date

DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP

DESIGNED SCV
DRAWN CADD/LBH
CHECKED
APPROVED
DATE 7/18/01

JOYCE ENGINEERING, INC.

SCALE	PROJECT NO.
1"=160'	430.07

THIS DRAWING IS PLOTTED TO FIT 11"x17" AND IS NOT TO SCALE

MRR OF HIGH POINT, LLC.
CITY OF HIGH POINT, NORTH CAROLINA

MASTER SITE PLAN

DRAWING NO. 5

LEGEND

- ROAD
- PERENNIAL STREAM/WATER SURFACE
- ADJACENT PROPERTY LINES
- FACILITY BOUNDARY
- WATERSHED CRITICAL AREA BOUNDARY
- OVERHEAD POWER LINE
- BUILDING
- BUFFER AREAS
- FLOODPLAIN APPROXIMATE LOCATION
- POND

Special Use Permit 01-06 and the accompanying site plan were approved by the City Council of High Point, NC on the 30th day of October, 2001.

Special Use Permit 01-07 and the accompanying site plan were approved by the City Council of High Point, NC on the 30th day of October, 2001.

Lisa B. Vierling
Lisa B. Vierling
City Clerk

10/30/01
Date

DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP

DESIGNED SCH
DRAWN CADD/MKD
CHECKED
APPROVED
DATE 4/28/01

JOYCE ENGINEERING, INC.

SCALE 1"=200'

PROJECT NO. 430.07

THIS DRAWING IS PLOTTED TO FIT 11"x17" AND IS NOT TO SCALE

MRR OF HIGH POINT, LLC.
CITY OF HIGH POINT, NORTH CAROLINA

EXISTING SITE CONDITIONS

DRAWING NO. 2

Franchise Documentation

NORTH CAROLINA

GUILFORD COUNTY

I hereby certify that the foregoing copies of minutes are true and accurate excerpts of action taken by the High Point City Council and have been officially approved with the exception of the June 16, 2002 Committee of the Whole Meeting Minutes and the June 20, 2002 Regular Meeting Minutes. These minutes will be placed on the July 1, 2002 Combined Meeting Agenda for approval.

IN WITNESS WHEREOF, I have hereunto set my hand and have caused the official corporate seal of said City to be affixed, this the 27th day of June, 2002.

Lisa B. Vierling
City Clerk

NORTH CAROLINA

GUILFORD COUNTY

I, Cynthia C. Duncan-Smith, a Notary Public, do hereby certify that Lisa B. Vierling, City Clerk, personally appeared before me this day and acknowledged the due execution of the foregoing certification, for the purposes therein expressed.

WITNESS my hand and notarial seal this 27th day of June, 2002.

Cynthia C Duncan-Smith
Notary Public

My commission expires: 2/28/05

OFFICIAL SEAL
Notary Public - North Carolina
GUILFORD COUNTY
CYNTHIA C. DUNCAN-SMITH
My Commission Expires 2/28/05

PUBLIC SERVICES COMMITTEE

(Chairman Bencini and Committee Members Rowe, Wilkins and Lightner were present)

Application for Franchise to Operate C & D Sanitary Landfill - MRR of High Point, LLC

020070 Monday, April 1, 2002 at 5:30 p.m. was the date established by the High Point City Council to receive public comments on the filing of an application to operate a sanitary landfill for construction and demolition debris by MRR of High Point, LLC. Location for landfill is the southeast quadrant of the Kivett Drive and Riverdale Drive intersection.

Councilman Bencini explained this was the date set for the second reading of the filing of MRR's application for a Franchise to Operate a C & D Sanitary Landfill. (Approval was received at the first reading on June 6th by an 8-1 vote with Councilman Wall casting the dissenting vote.)

The Committee recommended that this matter be placed on Thursday's Agenda with a favorable recommendation for approval of the Franchise with MRR to operate a C & D Sanitary Landfill.

A motion was made by Councilman Bencini, seconded by Mayor Pro Tem Whitley, that this matter be recommended for approval, consent agenda. The motion carried unanimously.

SPECIAL AND PLANNING COMMITTEE

(Chairman Whitley and Committee Members Bencini, Campbell and Wiley were present)

Pending Items

Ordinance - Annexation - Kivett Drive - McIrvin

020096 Consideration of a voluntary noncontiguous annexation of approximately 30.11 acres located on the north side of Kivett Drive approximately 777 feet east of Kersey Valley Road, pursuant to petition submitted by Richard Harris and Patricia McIrvin.

Ordinance - Rezoning Case 02-11 - Castle McCulloch, Inc. - Kivett Drive

020097 **a.** Conditional Use Highway Business (CU-HB) District A request by Castle McCulloch Inc., to rezone approximately 30 acres from the Agricultural (AG) District in Guilford County's zoning jurisdiction to a Conditional Use Highway Business (CU-HB) District. The site is located along the north side of Kivett Drive, approximately 1,600 feet west of Riverdale Drive. The rezoning request is contingent upon City Council approval of a voluntary annexation request.

Adopted resolution ordering local improvements (sewer) on Janice Street from Arthur Drive to Graylyn Avenue (Project No. S-2002-1).

A motion was made by Councilman Rowe, seconded by Councilman Wilkins, that this matter be adopted. The motion carried unanimously.

Application for Franchise to Operate C & D Sanitary Landfill - MRR of High Point, LLC

020070 Monday, April 1, 2002 at 5:30 p.m. was the date established by the High Point City Council to receive public comments on the filing of an application to operate a sanitary landfill for construction and demolition debris by MRR of High Point, LLC. Location for landfill is the southeast quadrant of the Kivett Drive and Riverdale Drive intersection.

The public hearing for this matter was held on Monday, April 1, 2002 at 5:30 p.m. All franchises require two readings prior to final approval. The MRR Franchise received Council's approval at its first reading held on June 6, 2002.

The Franchise for MRR of High Point to operate a C & D Sanitary Landfill received approval at its second and final reading at today's meeting.

A motion was made by Councilman Rowe, seconded by Councilman Wilkins, that this matter be approved. The motion carried unanimously.

Special & Planning Committee

Ordinance - Annexation - New Life Family Church - Lawndale Drive

020174 Consideration of the voluntary contiguous annexation of approximately 3.205 acres located at the eastern terminus of Lawndale Drive, pursuant to petition submitted by New Life Family Church.

The public hearing was held on Monday, June 17, 2002 at 5:30 p.m. Herb Shannon of the Planning and Development Department presented the information contained in the staff report. The applicant, New Life Family Church, is requesting to be annexed because of a need for water, sewer and other city services. The 3.395 acre parcel of property is located at the eastern terminus of Lawndale Drive east of Pinecroft Street in the City of High Point ETJ area and currently has an RS-9 zoning classification. The use of this property, as a church, is tax exempt and in close proximity to Fire Station #9, which already responds to calls in this area that is served by Pinecroft-Sedgefield. The water and sewer maintenance cost should be offset by revenue.

There were no citizens present to speak for or against this request. The public hearing was closed.

At the June 17th meeting, the Committee recommended this matter be placed on Today's Agenda with a favorable recommendation for adoption of the Ordinance annexing this property. Annexation to be effective upon adoption.

was proposed. He noted that in the last few days, it has come to his attention that there are plans being discussed regarding a private facility and the City has encouraged a private developer to move forward with plans. He expressed hope that this would provide for a solution to the problem, but in the meantime, the goal was to protect other property owners from suffering further damage.

Councilman Wall pointed out that this was not a unique problem to High Point and that other cities have had to deal with it, too. Councilman Campbell explained that other cities that have banned skateboarding have provided facilities.

Adopted the Ordinance Regulating the Use of Skateboards which prohibits the use of a skateboard by any person on the premises of the High Point Library at 901 N. Main Street including its parking lots, and in the following locations in the Central Business District: (1) Any public sidewalk, street, parking lot, or parking deck, including the premises of the High Point Municipal Building at 211 S. Hamilton Street; and (2) On the premises of any business, residence, or other private property where one or more signs are positioned to give notice and which contain the words, "No Skateboards". Letters on the sign must be clearly legible and at least three inches in height.

Violation of this ordinance shall subject the offender to a civil penalty of $25.

Motion by Councilman Wilkins, second by Councilmember Wiley that the Ordinance Regulating the Use of Skateboards be adopted. The motion carried by an 8-1 vote as follows:

Votes: **Aye:** Mayor Koonce, Councilman Bencini, Councilman Lightner, Councilman Rowe, Councilman Wall, Councilmember Wiley, Mayor Pro Tem Whitley and Councilman Wilkins.

Nay: Councilman Campbell

A motion was made by Councilman Wilkins, seconded by Councilmember Wiley, that this matter be adopted. The motion carried unanimously.

Application for Franchise to Operate C & D Sanitary Landfill - MRR of High Point, LLC

020070 Monday, April 1, 2002 at 5:30 p.m. was the date established by the High Point City Council to receive public comments on the filing of an application to operate a sanitary landfill for construction and demolition debris by MRR of High Point, LLC.

Location for landfill is the southeast quadrant of the Kivett Drive and Riverdale Drive intersection.

The public hearing was held on Monday, April 1, 2002 at 5:30 p.m. regarding this matter.

Tom Terrell, 1602 Laurel Lane, representing the applicant, spoke in favor of the request. He explained that other issues relative to this request such as the

annexation, rezoning, conditional use permit and special use permits have already been approved by Council and now action was needed to approve the application to operate a sanitary landfill for construction and debris.

According to the Franchise application, MRR of High Point, LLC is a North Carolina based company that was formed specifically to provide recycling and disposal based solutions to our state's increasing waste problems. The company's expertise is centered on the handling, recycling and disposal of construction and demolition debris type wastes. MRR currently operates a construction and demolition (C&D) debris recycling facility in Raleigh, North Carolina that is recycling 350-400 tons per day that would otherwise have to be landfilled. Mr. Terrell reported that the approximate tonage expected to be handled by the landfill in High Point would be 700 tons. The proposed landfill will be managed by Mr. Norbert Hector, Mr. Juan Carroll, and Mr. Chris Roof.

Mr. Terrell informed Council that the geographic area to be served will be limited to the four counties in which High Point is situated (Guilford, Randolph, Davidson and Forsyth), but they anticipate that the vast majority of materials will come from the economic growth and building activity that is directly within or within the close orbit of the City of High Point. MRR has guaranteed capacity at the landfill for at least 25 years.

Representatives of MRR were present to address any At this time, Mr. Terrell introduced other representatives with MRR who were present to address any questions.

Mayor Koonce expressed concerns regarding the landfill to serve a four-county area. He felt this was far greater an area than the City should have to accommodate and asked if they could scale it down to accept only materials from the city limits of High Point and Guilford County. Mr. Terrell responded by saying that there were numerous C & D landfills throughout the area, but this one would be the only one close to the High Point economy. Locations of other landfills were discussed.

Mr. Terrell informed Council that a rough estimate of 80% of the tonage would come from the surrounding area, but because it would also be a recycling facility, there was a need to have the full tonage so the operation would be profitable as well as meet the environmental concerns.

There were some questions of concern raised because this was not part of the original proposal by MRR. Mr. Chris Roof with MRR, explained that MRR was caught between two governmental agencies (NC Department of Environmental Health and Natural Resources and the City of High Point). He stated there was also a population that had to be served and that he had never heard of a franchise that was granted by anyone other than a county. Mr. Terrell pointed out that there were no limitations regarding the geographic area placed in the Special Use Permits that have already been approved.

On April 1st, this matter was referred to the Public Services Committee to allow additional time to get some of these matters cleared up with the NC Department of Environmental Health and Natural Resources (NCDEHNR).

June 4, 2002 Public Services Committee Comments

Tom Terrell, attorney representing MRR, explained that MRR came to the City of High Point and requested approval of an application for a franchise to operate a C&D Sanitary Landfill and this matter was referred to the Public Services Committee by the City Council on April 1, 2002 regarding concerns that were voiced. He stated that the key issue is how MRR can guarantee to provide this service at a recycling facility and do so with a profit. He explained that the recycling facility would have to have a steady stream coming in in order to make a profit. He informed the Committee that MRR has spent approximately $1.7 million to date on this project and the facility would need about 400 tons per day to break even. He mentioned that the total investment from MRR on this project would be approximately $6.5 million and MRR started this venture at the City's request because of a need for such a facility. Mr. Terrell reported that about 300 tons would be shipped out as recycled and the other 100 tons would be landfilled on-site.

Mr. Terrell shared a copy of the general description of the MRR Proposed Franchise Territory and presented a map outlining the area in green with a portion in the following counties: Davidson, Randolph, Guilford, Forsyth. (A copy of the description and map will be attached to the official minutes of the meeting at which the MRR Franchise is approved). Mr. Terrell felt it was important to point out the competition of two facilities: Coble's Sandrock and A1 Sandrock.

Mr. Terrell informed the Committee that approximately 60-75% (roughly 2/3) of the materials would be recycled, but this figure would fluctuate on a daily basis. MRR feels the projected life of the facility could be 40+ years, but guarantees 25 years.

Mayor Koonce explained that even though he was skeptical at first because he had the projected numbers wrong and he wasn't sure about what impact this facility would have on the City's Landfill, but he knows High Point does need a facility like this because the recycling part made it really appealing.

At the June 4, 2002 Public Services Committee Meeting, the Committee recommended that matter be brought out of pending and placed on Thursday's Agenda with a favorable recommendation for approval of the MRR Franchise.

City Attorney Fred Baggett explained that the Franchise Agreement would require two separate readings for passage.

At today's meeting, Councilman Bencini explained that this matter was also discussed in the Public Services Committee meeting on Tuesday, June 4th and that an understanding was reached regarding the Franchise Agreement with MRR to operate a C & D Sanitary Landfill. A copy of the map outlining the area of the proposed Franchise Territory in green (entire Guilford County, portions of Randolph, Davidson and Forsyth) was distributed to Council members for inspection. (A copy of this map, as well as a general description of the MRR Proposed Franchise Territory will be incorporated as a permanent part of these proceedings.)

There being no further comments, the public hearing was closed.

Motion by Councilman Bencini, second by Councilman Wilkins that the Franchise with MRR to operate a C & D Sanitary Landfill be approved at the 1st reading. The motion carried by an 8-1 vote as follows:

Votes: **Aye:** Mayor Koonce, Councilman Bencini, Councilman Campbell, Councilman Lightner, Councilman Rowe, Mayor Pro Tem Whitley, Councilmember Wiley and Councilman Wilkins

Nay: Councilman Wall

Note: *The second reading will be held at the June 17th meeting.*

For Information Only

RECOGNITION OF EMPLOYEES

City Manager Strib Boynton and Mayor Koonce presented the awards.

The following employees received awards: Susan Fulton (CIS); Varnell Vanderhall (Customer Service); Adam Alford, Phillip Glass, Paul Hall and Steve Partridge (Electric); Donna Flowers (Planning); Tammy Davis, Carlene Dix, Laura Steele (Police); Emmett Sparks (Public Information); Bart Helpler (Public Services); Janice Fulford, Debbie Ya'nez (Transportation).

The Above and Beyond Award Winner was Carlene Dix (Police Department). She will receive a $500 check for this honor.

The Extra-Mile Award Winners were: Emmett Sparks (Public Information) and Tammy Davis (Police Department); they each received a $100 check.

MRR OF HIGH POINT, LLC
CONSTRUCTION & DEMOLITION DEBRIS LANDFILL

HIGH POINT, NORTH CAROLINA

SITE APPLICATION

PREPARED FOR:

MRR OF HIGH POINT, LLC
421 RALEIGH VIEW ROAD
RALEIGH, NORTH CAROLINA 27610

APR 2003

FOR PERMITTING ONLY

JUNE 2002
REVISED JANUARY 2003
REVISED APRIL 2003

PREPARED BY:

JOYCE ENGINEERING, INC.
2301 WEST MEADOWVIEW ROAD, SUITE 203
GREENSBORO, NORTH CAROLINA 27407
(336) 323-0092 FAX: (336) 323-0093

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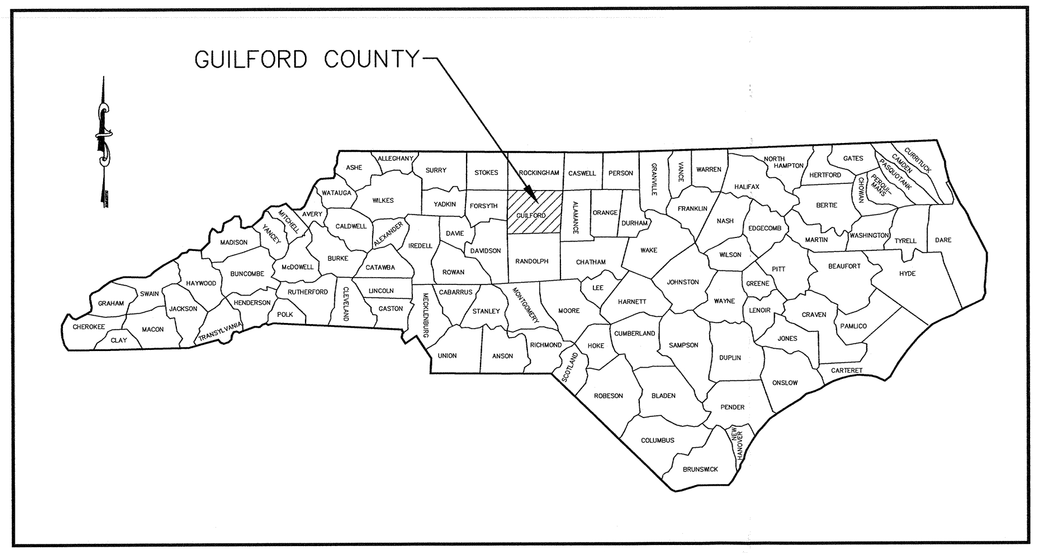
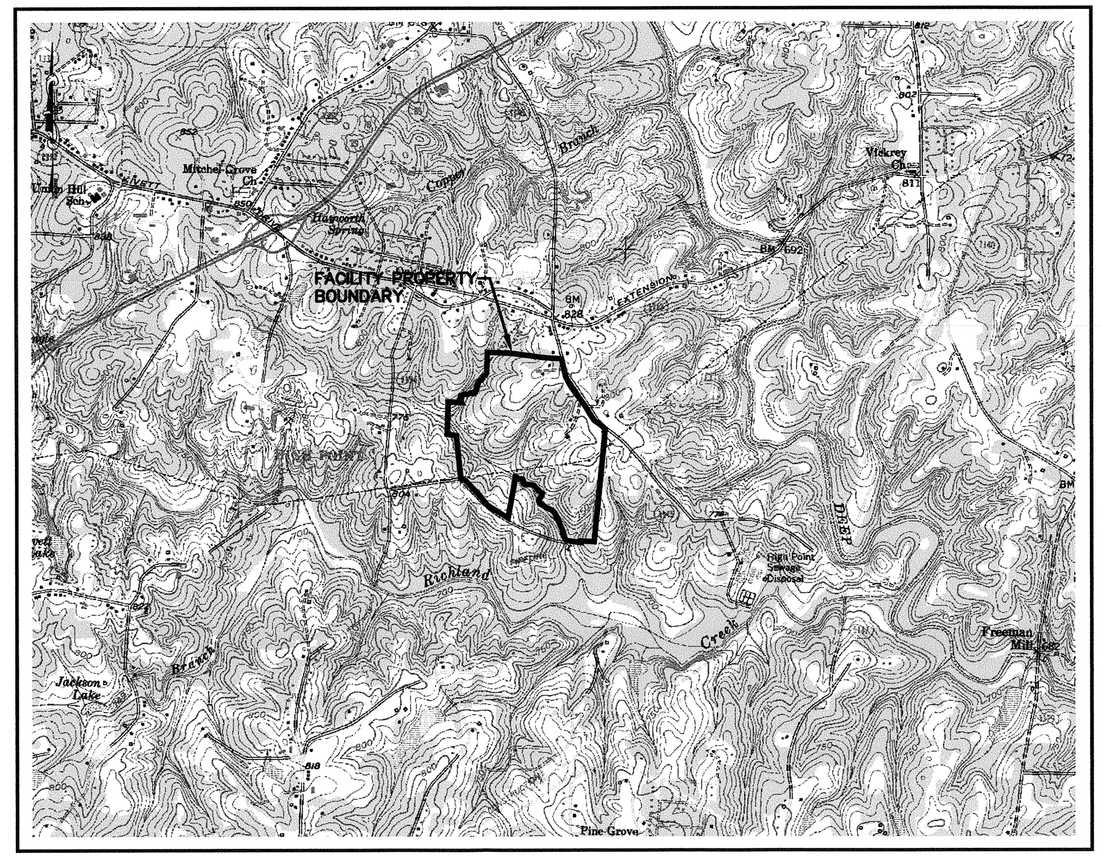
L:\MRR High Point\dwg\Task 06 - E&S Plan & Response to DENR Comments\Response to Comments\TASK 03 REV DWGS\REVISED 4-1-03\SP00-TITLE SHEET.dwg



NORTH CAROLINA

COUNTY LOCATION MAP
(NOT TO SCALE)



VICINITY MAP

1"=2000'

DRAWING INDEX

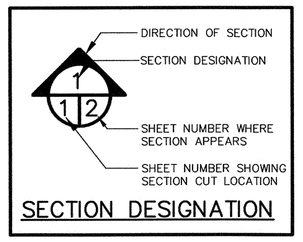
SHEET	DESCRIPTION
0	TITLE SHEET
1	DRAWING INDEX, NOTES AND LEGEND
2	TWO-MILE RADIUS MAP
3	QUARTER-MILE RADIUS MAP
4	QUARTER-MILE RADIUS MAP TOPOGRAPHY
5	EXISTING CONDITIONS
6	BASE GRADING PLAN (CONCEPTUAL)
7	FINAL GRADING PLAN (CONCEPTUAL)
8	CROSS-SECTIONS

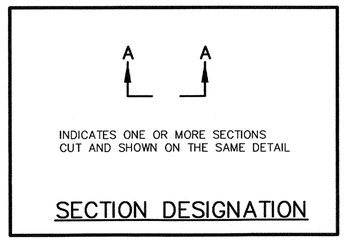
LEGEND

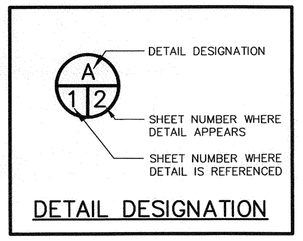
EXISTING 10 FT. CONTOUR — — — — 240 — — — —
EXISTING 2 FT. CONTOUR
PROPOSED 10 FT. CONTOUR ——— 240 ———
PROPOSED 2 FT. CONTOUR
FACILITY PROPERTY BOUNDARY
STREAM
EXISTING TREELINE
PROPOSED TREELINE
EXISTING ROAD
LIMITS OF WASTE
BORING LOCATION △ B-7
PIEZOMETER LOCATION ⊕ P-10
TEST PIT LOCATION ⊕ T-7
BENCHMARK △ BM-1
SEDIMENT BASIN SB
FEMA 100-YEAR FLOODPLAIN BOUNDARY
EXISTING SEWER LINES
EXISTING WATER LINES
DOCUMENTED USER OF CITY WATER ●
ASSUMED RESIDENTIAL WATER SUPPLY WELL ●
PROPOSED STORMWATER CONVEYANCE CHANNEL

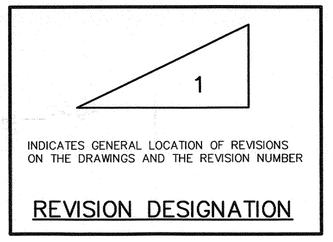
NOTES:

1. COORDINATE SYSTEM FOR ALL DIGITAL MAPPING IS NC83F.
2. VICINITY MAP REFERENCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE FOR HIGH POINT EAST, NORTH CAROLINA, 1950, PHOTOREVISED 1982.
3. DIGITAL MAPPING WITHIN THE BOUNDARY SHOWN PROVIDED BY SPATIAL DATA CONSULTANTS, INC., OF HIGH POINT, NORTH CAROLINA. DATE OF AERIAL FLYOVER: 03/27/01.
4. DIGITAL MAPPING OUTSIDE THE BOUNDARY PROVIDED BY THE CITY OF HIGH POINT DEPARTMENT OF PLANNING AND DEVELOPMENT. DATE OF AERIAL FLYOVER: 1998.
5. COORDINATE SYSTEM FOR ALL DIGITAL MAPPING IS NC83F.
6. FACILITY PROPERTY LINE REFERENCE: SURVEY BY MARK TERRY AND ASSOCIATES, INC., DATED MAY 15, 2001. ADDITIONAL PROPERTY LINES PROVIDED BY CITY OF HIGH POINT DEPARTMENT OF PLANNING AND DEVELOPMENT.
7. WATER AND SEWER INFORMATION, DIGITAL ORTHPHOTOS, AND PLANIMETRIC INFORMATION PROVIDED BY CITY OF HIGH POINT. DATE OF AERIAL FLYOVER: 1998.
8. WATERSHED INFORMATION AND LOCATION OF WATERSHED CRITICAL AREA (WCA) PROVIDED BY GUILFORD COUNTY DEPARTMENT OF PLANNING AND DEVELOPMENT.
9. FLOODPLAIN INFORMATION IS BASED ON FEMA FLOOD INSURANCE RATE MAPS FOR GUILFORD COUNTY, NORTH CAROLINA – 370111 0190 C AND 370111 0178 D.









NO	BY	CK	APP
2	IWW	TEH	MDE
1	IWW	ME	ME

REVISIONS AND RECORD OF ISSUE

DATE	
04/01/03	REVISED PER COMMENTS
1/17/03	REVISED PER COMMENTS

FOR PERMITTING PURPOSES ONLY

DESIGNED ME/TH
DRAWN CADD/IWW
CHECKED ME
APPROVED ME
DATE 01/15/03

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JOYCE ENGINEERING, INC.
2301 W. MEADOWVIEW ROAD
GREENSBORO, NC 27407
PHONE: (336) 323-0092

MRR OF HIGH POINT, LLC
CONSTRUCTION & DEMOLITION DEBRIS LANDFILL

DRAWING INDEX, NOTES AND LEGEND

PROJECT NO. 600.06

SCALE AS SHOWN

DRAWING NO. SA1
REVISED

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NOTES:

1. MAPPING SOURCE: U.S.G.S. 7.5 MINUTE QUADRANGLES FOR HIGH POINT EAST, PLEASANT GARDEN, GUILFORD, AND GREENSBORO, NORTH CAROLINA.
2. FACILITY PROPERTY BOUNDARY FROM A SURVEY BY MARK TERRY AND ASSOCIATES, INC. P.C., DATED MAY 15, 2001. ADDITIONAL PROPERTY LINES PROVIDED BY CITY OF HIGH POINT AND GUILFORD COUNTY GIS DEPARTMENTS.
3. THERE ARE NO AIRPORTS WITHIN A TWO–MILE RADIUS OF THE SITE.
4. THE JAMESTOWN WATER SUPPLY INTAKE ON THE DEEP RIVER IS APPROXIMATELY 1.8 MILES UPSTREAM OF THE SITE. THERE ARE NO OTHER KNOWN WATER SUPPLY INTAKES WITHIN A TWO–MILE RADIUS OF THE SITE.
5. POTENTIAL OR EXISTING SOURCES OF GROUNDWATER AND SURFACE WATER CONTAMINATION WITHIN A TWO–MILE RADIUS OF THE SITE BOUNDARY INCLUDE:

   - (1) KERSEY VALLEY LANDFILL
   - (2) RIVERDALE DRIVE LANDFILL
   - (3) JACKSON LAKE LANDFILL
   - (4) MARTIN MARRIETA MATERIALS
   - (5) MGM TRUCKING
   - (6) CITY OF HIGH POINT WASTEWATER TREATMENT FACILITY (NPDES INDUSTRIAL TYPE DISCHARGER)
   - (7) HIGH POINT MRF
   - (8) APAC ASPHALT
   - (9) JAMESTOWN QUARRY (NPDES INDUSTRIAL TYPE DISCHARGER)

6. SUBDIVISIONS WITHIN 2–MILES FOR THE SITE AREA AS LISTED:

   - [1] ALLEN JAY ESTATES
   - [2] BROWNDALE ESTATES
   - [3] CANTERBURY FOREST
   - [4] EAST COLONIAL HEIGHTS
   - [5] FAIRFIELD VILLAGE
   - [6] HODGEN ESTATES
   - [7] LAKE TRIANGLE PARK
   - [8] MEADOWVIEW
   - [9] RIDGECREST
   - [10] STONE HEDGE
   - [11] SYCAMORE HILLS
   - [12] WESTBURY WAY
   - [13] WILDWOOD HEIGHTS
   - [14] WINDHAVEN ACRES

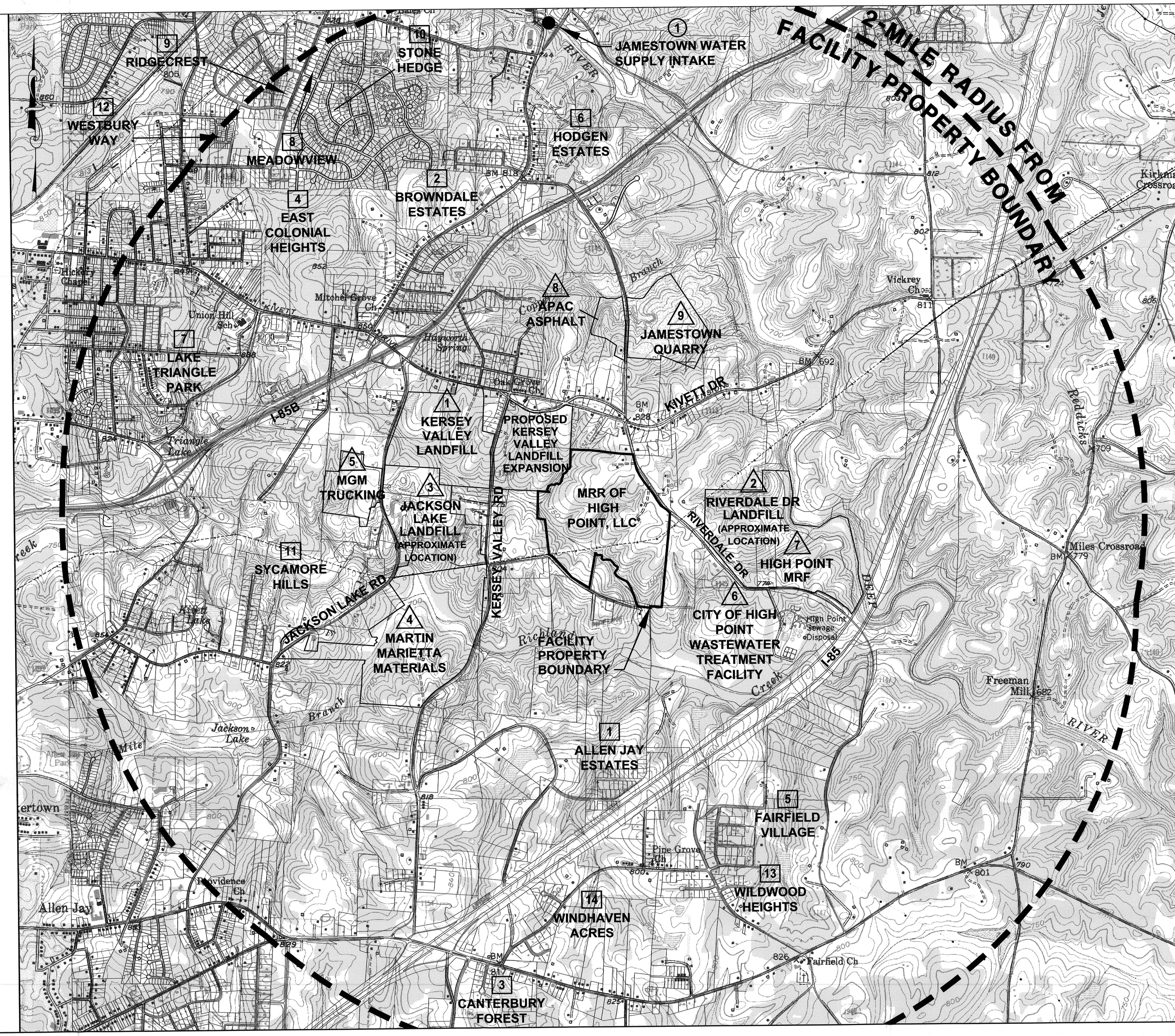
7. POTENTIAL SIGNIFICANT GROUNDWATER USERS WITHIN A TWO–MILE RADIUS OF THE SITE BOUNDARY (ASSUMED BASED ON AVAILABILITY OF PUBLIC WATER SUPPLY):

   - [1] ALLEN JAY ESTATES
   - (8) APAC ASPHALT
   - [3] CANTERBURY FOREST
   - [5] FAIRFIELD VILLAGE
   - (9) JAMESTOWN QUARRY
   - (4) MARTIN MARRIETA MATERIALS
   - [11] SYCAMORE HILLS
   - [13] WILDWOOD HEIGHTS
   - [14] WINDHAVEN ACRES

8. WATER SUPPLY INTAKES:

   - (1) JAMESTOWN WATER SUPPLY INTAKE

GRAPHIC SCALE
0 500 1000 2000
(FEET)



NO	BY	CK	APP
3	IWW	TEH	MGE
2	IWW	TH	TH
1	IWW	ME	ME

REVISIONS AND RECORD OF ISSUE

DATE	
04/01/03	REVISED PER COMMENTS
2/28/03	REVISED PER COMMENTS
1/17/03	REVISED PER COMMENTS

FOR PERMITTING PURPOSES ONLY

DESIGNED ME/TH
DRAWN CADD/IWW
CHECKED ME
APPROVED ME
DATE 01/17/03

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2301 W. MEADOWVIEW ROAD
GREENSBORO, NC 27407
PHONE: (336) 323-0992

MRR OF HIGH POINT, LLC
CONSTRUCTION & DEMOLITION DEBRIS LANDFILL

TWO–MILE RADIUS MAP

PROJECT NO. 600.06

SCALE 1"=1000'

DRAWING NO. SA2 REVISED

L:\MRR High Point\dwg\Task 06 – E&S Plan & Response to DENR Comments\Response to Comments\TASK 03 REV DWGS\REVISED 4-1-03\SP02-2-MILE RADIUS.dwg

LEGEND:

- HIGH POINT CITY LIMITS
- FACILITY PROPERTY BOUNDARY
- FEMA 100-YEAR FLOODPLAIN BOUNDARY
- SEWER LINES
- FLOWING DRAINAGES
- WATER LINES
- DOCUMENTED USER OF CITY WATER
- ASSUMED RESIDENTIAL WATER SUPPLY WELL
- KNOWN RESIDENTIAL WATER SUPPLY WELL — WW-1

ZONING:

AG	AGRICULTURAL DISTRICT
PI	PUBLIC AND INSTITUTIONAL DISTRICT
LI	LIGHT INDUSTRIAL
RS-40	RESIDENTIAL SINGLE FAMILY DISTRICT 1.0 UNITS PER ACRE
RS-40-MH	RESIDENTIAL SINGLE FAMILY DISTRICT MANUFACTURED HOUSING
RS-9	RESIDENTIAL SINGLE FAMILY DISTRICT 4.0 UNITS PER ACRE

NOTES:

1. ADDRESSES SERVICED BY HIGH POINT WATER WITHIN 1/4 MILE RADIUS (INFORMATION PROVIDED BY CITY OF HIGH POINT DEPARTMENT OF UTILITIES, 336-883-3100, ON SEPTEMBER 26, 2002)

E KIVETT DR:
3908
4011
4012
4015
4017
4019
4020
4164

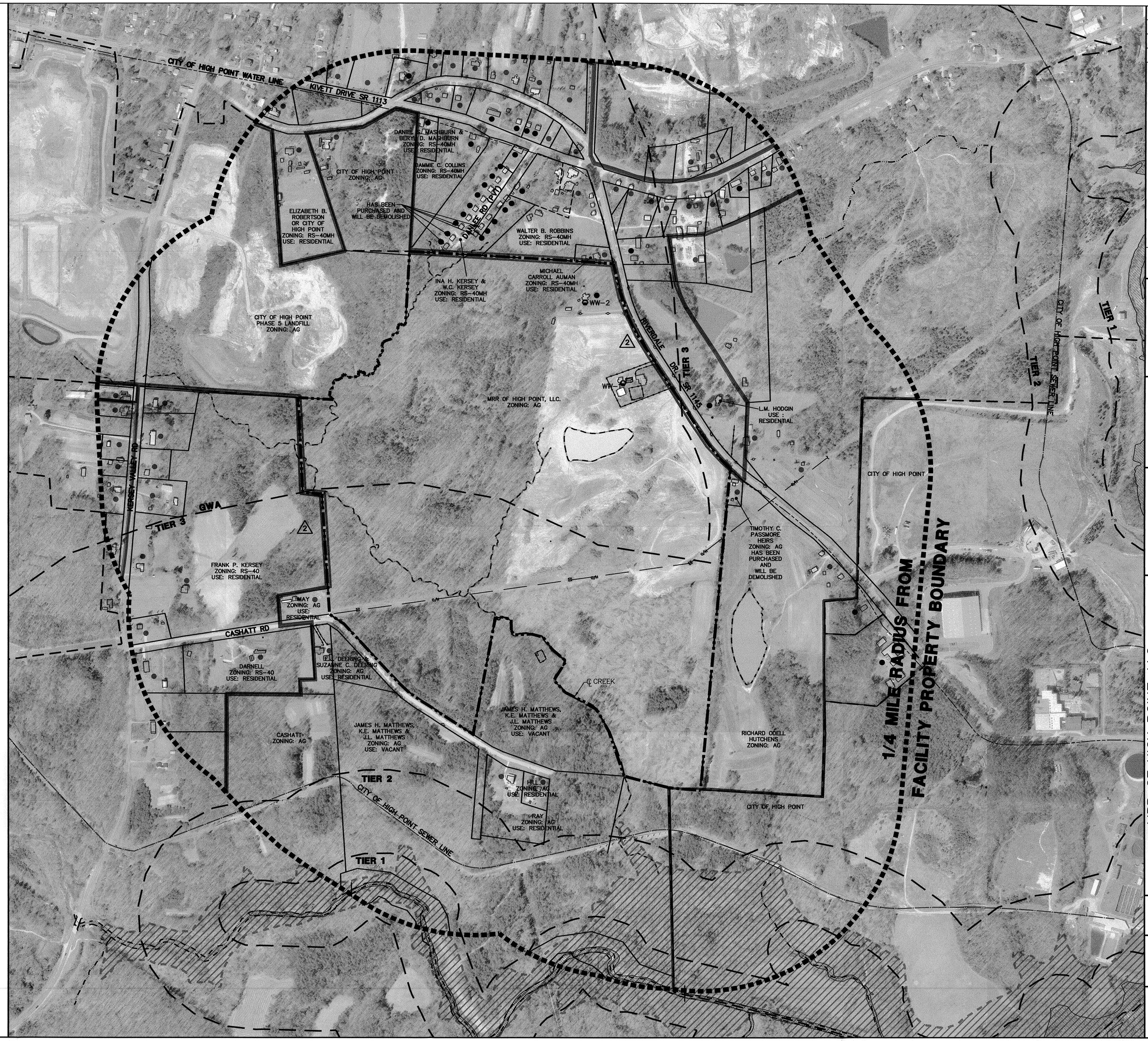
RIVERDALE DR:
5813
5822
5845
5873
5875
5884
5898

OLD KIVETT LOOP:
6328

DANLEE RD (ALL):
6306
6308
6310–6320
6322

KERSEY VALLEY RD:
NONE

CASHATT RD:
NONE



GRAPHIC SCALE
0 150 300 600
(FEET)

NO	BY	CK	APP
5	IWW	TEH	MDE
4	IWW	TH	TH
3	IWW	ME	ME
2	TWH	DYR	DRM
1	RLB	TEH	JPD

DATE	REVISIONS AND RECORD OF ISSUE
04/01/03	REVISED PER COMMENTS
2/28/03	REVISED PER COMMENTS
01/17/03	REVISED PER COMMENTS
10/30/02	REVISED ZONING BOUNDARY
10/01/02	ADDED WELL SYMBOLOGY, CLARIFIED PARCEL INFO

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CHECKED ME
APPROVED ME
DATE 01/17/03

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GREENSBORO, NC 27407
PHONE: (336) 323-0092

MRR OF HIGH POINT, LLC
CONSTRUCTION & DEMOLITION DEBRIS LANDFILL

QUARTER-MILE RADIUS MAP

PROJECT NO. 600.06

SCALE 1"=300'

DRAWING NO. SA3
REVISED

L:\MRR High Point\dwg\Task 06 - E&S Plan & Response to DENR Comments\Response to Comments\TASK 03 REV DWGS\REVISED 4-1-03\SP03-QUARTER-MILE RADIUS.dwg

LEGEND:

- FACILITY PROPERTY BOUNDARY
- FEMA 100-YEAR FLOODPLAIN BOUNDARY
- SEWER LINES
- FLOWING DRAINAGES
- WATER LINES
- DOCUMENTED USER OF CITY WATER
- ASSUMED RESIDENTIAL WATER SUPPLY WELL
- KNOWN RESIDENTIAL WATER SUPPLY WELL — WW-1

ZONING:

AG	AGRICULTURAL DISTRICT
PI	PUBLIC AND INSTITUTIONAL DISTRICT
LI	LIGHT INDUSTRIAL
RS-40	RESIDENTIAL SINGLE FAMILY DISTRICT 1.0 UNITS PER ACRE
RS-40-MH	RESIDENTIAL SINGLE FAMILY DISTRICT MANUFACTURED HOUSING
RS-9	RESIDENTIAL SINGLE FAMILY DISTRICT 4.0 UNITS PER ACRE

GRAPHIC SCALE

0 150 300 600

(FEET)

NOTES:

1. WATER AND SEWER INFORMATION, DIGITAL ORTHPHOTOS, AND PLANIMETRIC INFORMATION PROVIDED BY CITY OF HIGH POINT. DATE OF AERIAL FLYOVER: 1998.
2. WATERSHED INFORMATION AND LOCATION OF WATERSHED CRITICAL AREA (WCA) PROVIDED BY GUILFORD COUNTY DEPARTMENT OF PLANNING AND DEVELOPMENT.
3. FLOODPLAIN INFORMATION IS BASED ON FEMA FLOOD INSURANCE RATE MAPS FOR GUILFORD COUNTY, NORTH CAROLINA – 370111 0190 C AND 370111 0178 D.
4. ADDRESSES SERVICED BY HIGH POINT WATER WITHIN 1/4 MILE RADIUS (INFORMATION PROVIDED BY CITY OF HIGH POINT DEPARTMENT OF UTILITIES, 336-883-3100, ON SEPTEMBER 26, 2002)

E KIVETT DR:
3908
4011
4012
4015
4017
4019
4020
4164

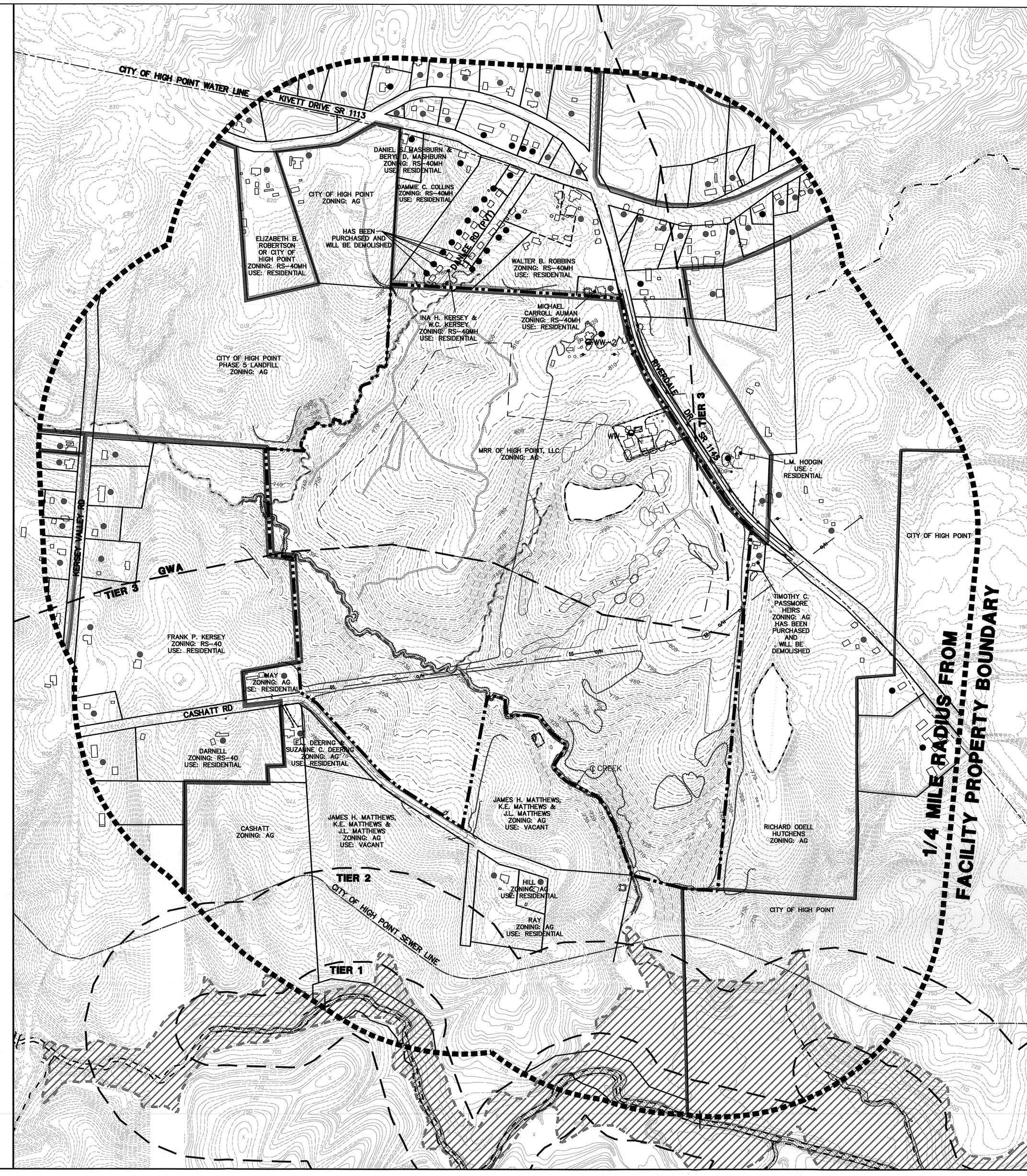
RIVERDALE DR:
5813
5822
5845
5873
5875
5884
5898

OLD KIVETT LOOP:
6328

DANLEE RD (ALL):
6306
6308
6310-6320
6322

KERSEY VALLEY RD:
NONE

CASHATT RD:
NONE



NO	BY	CK	APP	REVISIONS AND RECORD OF ISSUE	DATE
2	IWW	TEH	MDE	REVISED PER COMMENT	04/01/03
1	IWW	ME	ME	REVISED PER COMMENTS	01/17/03

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CHECKED ME
APPROVED ME
DATE 01/17/03

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PHONE: (336) 323-0052

MRR OF HIGH POINT, LLC
CONSTRUCTION & DEMOLITION DEBRIS LANDFILL

QUARTER-MILE RADIUS PLAN
TOPOGRAPHY

PROJECT NO. 600.06

SCALE 1"=300'

DRAWING NO. SA4 REVISED

L:\MRR High Point\dwg\Task 06 – E&S Plan & Response to DENR Comments\Response to Comments\TASK 03 REV DWGS\REVISED 4-1-03\SP04-QUARTER-MILE RADIUS-TOPO.dwg

NOTE:

1. THE LOCATIONS SHOWN FOR ALL BORINGS, TEST PITS, AND PIEZOMETER P-U ARE APPROXIMATE.

LINE TABLE

LINE	DIRECTION	DISTANCE	LINE	DIRECTION	DISTANCE
L1	N 20°58'24" W	156.34'	L47	S 37°17'42" E	14.84'
L2	N 41°44'25" W	56.00'	L48	S 85°26'27" E	21.18'
L3	N 56°29'54" W	189.63'	L49	S 18°13'59" W	16.25'
L4	N 35°23'27" W	108.40'	L50	S 18°31'42" E	5.91'
L5	N 39°39'54" E	148.50'	L51	S 80°26'30" E	15.52'
L6	N 42°15'26" W	119.27'	L52	S 87°55'43" E	13.56'
L7	N 29°09'22" W	99.46'	L53	N 04°03'11" E	8.04'
L8	N 67°51'46" W	76.73'	L54	N 50°55'25" E	9.91'
L9	N 84°49'43" W	116.68'	L55	S 48°42'19" E	10.40'
L10	N 22°04'17" W	33.40'	L56	N 76°40'27" E	15.35'
L11	N 06°39'49" E	70.90'	L57	N 33°27'28" E	18.89'
L12	N 67°49'40" W	69.37'	L58	N 12°39'49" E	13.95'
L13	S 69°14'25" W	29.48'	L59	N 33°19'10" E	15.57'
L14	N 28°34'07" W	17.78'	L60	N 81°37'38" E	19.42'
L15	N 46°33'55" W	87.67'	L61	N 15°55'21" E	12.36'
L18	N 39°08'30" W	96.91'	L62	N 21°21'35" W	24.66'
L19	N 48°37'06" W	114.54'	L63	N 37°02'04" E	8.40'
L20	N 03°48'50" E	69.75'	L64	N 57°54'28" E	11.65'
L21	S 03°48'50" W	5.60'	L65	N 11°54'01" E	15.28'
L22	N 37°30'05" W	6.45'	L66	N 54°20'46" E	18.41'
L23	N 46°41'08" W	14.47'	L67	N 30°06'36" E	8.05'
L24	N 03°21'45" E	9.78'	L68	N 16°43'32" E	23.04'
L25	N 71°08'24" W	7.11'	L69	N 34°31'07" E	10.49'
L26	N 09°24'04" E	8.45'	L70	N 38°02'12" W	12.48'
L27	N 14°41'18" E	34.98'	L71	N 12°58'04" E	14.36'
L28	S 84°06'25" E	11.39'	L72	N 32°25'46" E	17.71'
L29	N 15°07'05" E	17.21'	L73	N 70°33'50" E	21.13'
L30	N 42°30'29" E	14.46'	L74	N 79°09'56" E	34.60'
L31	N 03°28'30" E	23.56'	L75	N 58°34'03" E	11.97'
L32	N 50°11'57" E	13.87'	L76	N 01°15'21" W	11.87'
L33	S 76°49'37" E	13.58'	L77	N 29°25'12" E	14.46'
L34	N 82°40'30" E	16.66'	L78	N 70°35'53" E	13.61'
L35	N 56°31'14" E	11.20'	L79	S 48°50'37" E	5.58'
L36	N 73°45'05" E	12.66'	L80	N 77°45'14" E	9.54'
L37	N 03°37'44" E	8.47'	L81	N 53°45'12" E	8.12'
L38	N 28°53'46" E	10.48'	L82	N 16°36'56" W	12.12'
L39	N 84°42'18" E	8.67'	L83	N 19°34'32" E	21.88'
L40	S 46°27'12" E	8.92'	L84	N 04°13'25" E	7.64'
L41	S 44°26'43" E	23.33'	L85	N 46°20'53" E	16.89'
L42	S 84°45'26" E	21.30'	L86	N 83°27'58" E	5.26'
L43	S 89°37'23" E	47.56'	L87	S 53°51'52" E	18.60'
L44	N 02°18'53" E	24.73'	L88	N 87°13'15" E	12.85'
L45	N 28°00'00" E	11.51'	L89	N 46°04'06" E	7.17'
L46	S 88°49'50" E	6.27'			

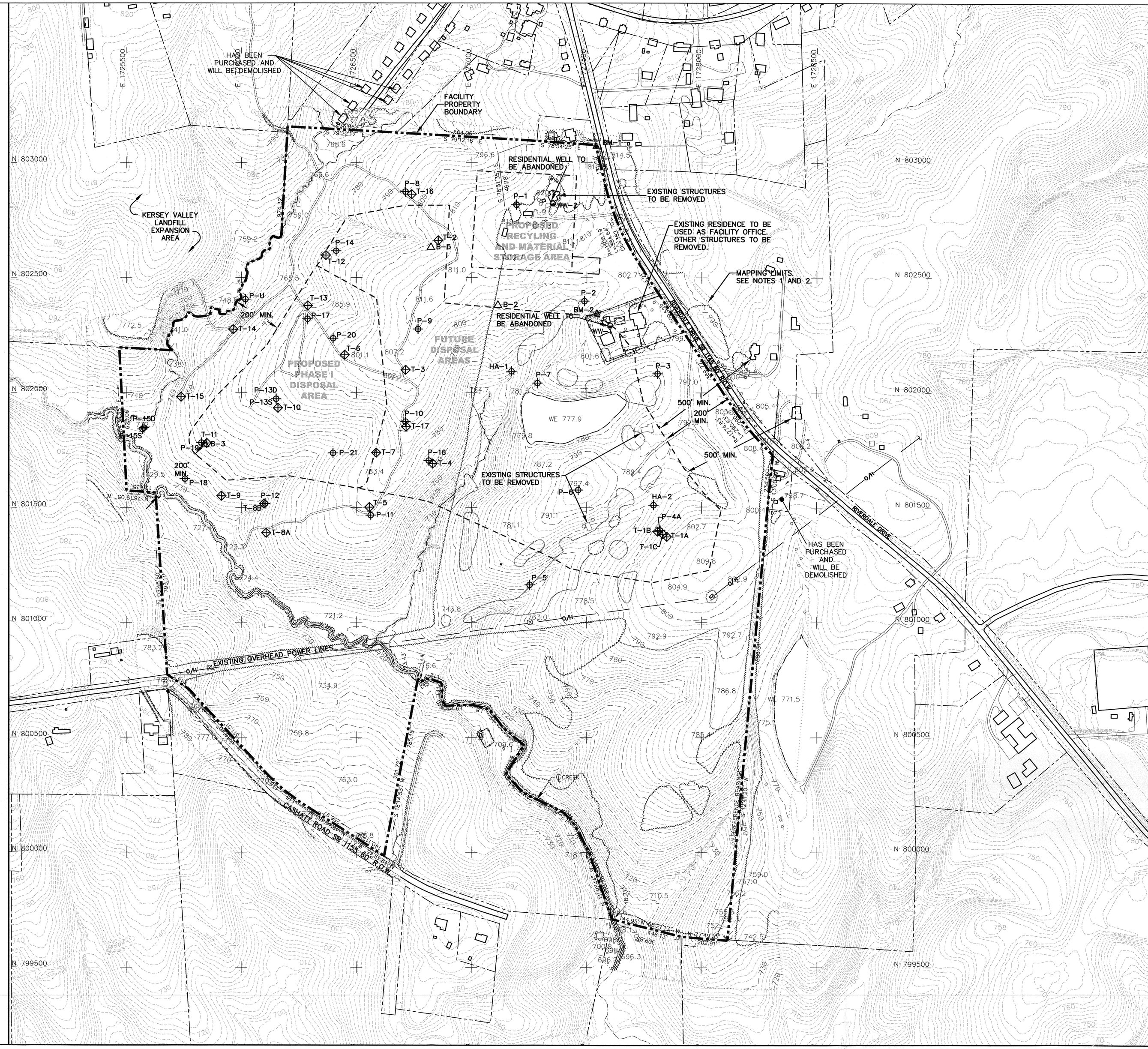
BENCH MARK INFORMATION:

POINT	NORTHING	EASTING	ELEVATION
BM-1	803070.83	1727539.54	812.32
BM-2	802345.01	1727543.74	803.59

GRAPHIC SCALE

0 100 200 400

(FEET)



NO	BY	CK	APP
1	IWW	ME	ME

REVISIONS AND RECORD OF ISSUE

REVISED PER COMMENTS

DATE 01/17/03

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DRAWN CADD/IWW
CHECKED ME
APPROVED ME
DATE 01/17/03

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GREENSBORO, NC 27407
PHONE: (336) 323-0092

MRR OF HIGH POINT, LLC
CONSTRUCTION & DEMOLITION DEBRIS LANDFILL

EXISTING CONDITIONS

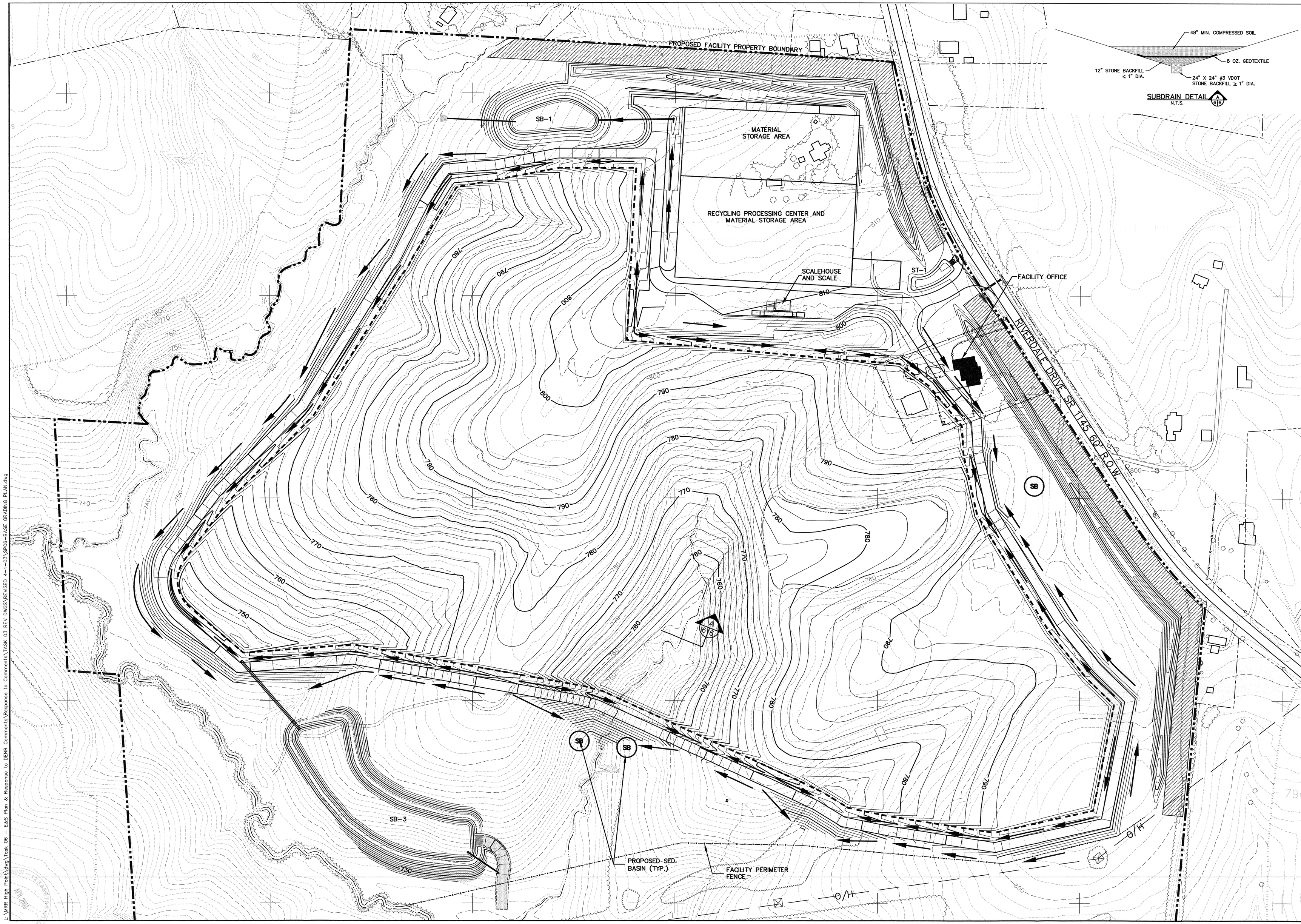
PROJECT NO. 600.06

SCALE 1"=200'

DRAWING NO. SA5 REVISED

L:\MRR High Point\dwg\Task 06 - E&S Plan & Response to DENR Comments\Response to Comments\TASK 03 REV DWGS\REVISED 4-1-03\SP05-EXISTING CONDITIONS.dwg

APR 2003



NO	BY	CK	APP
3	WW	TEH	MDE
2	WW	ME	ME
1	TWH	TEH	MDE

DATE	REVISIONS AND RECORD OF ISSUE
04/01/03	REVISED PER COMMENTS
01/17/03	REVISED PER COMMENTS
11/04/02	ADDED "CONCEPTUAL" TO SHEET TITLE

FOR PERMITTING PURPOSES ONLY

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DRAWN CADD/TWH/WW
CHECKED ME
APPROVED ME
DATE 01/17/03

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PHONE: (336) 323-0092

MRR OF HIGH POINT, LLC
CONSTRUCTION & DEMOLITION DEBRIS LANDFILL

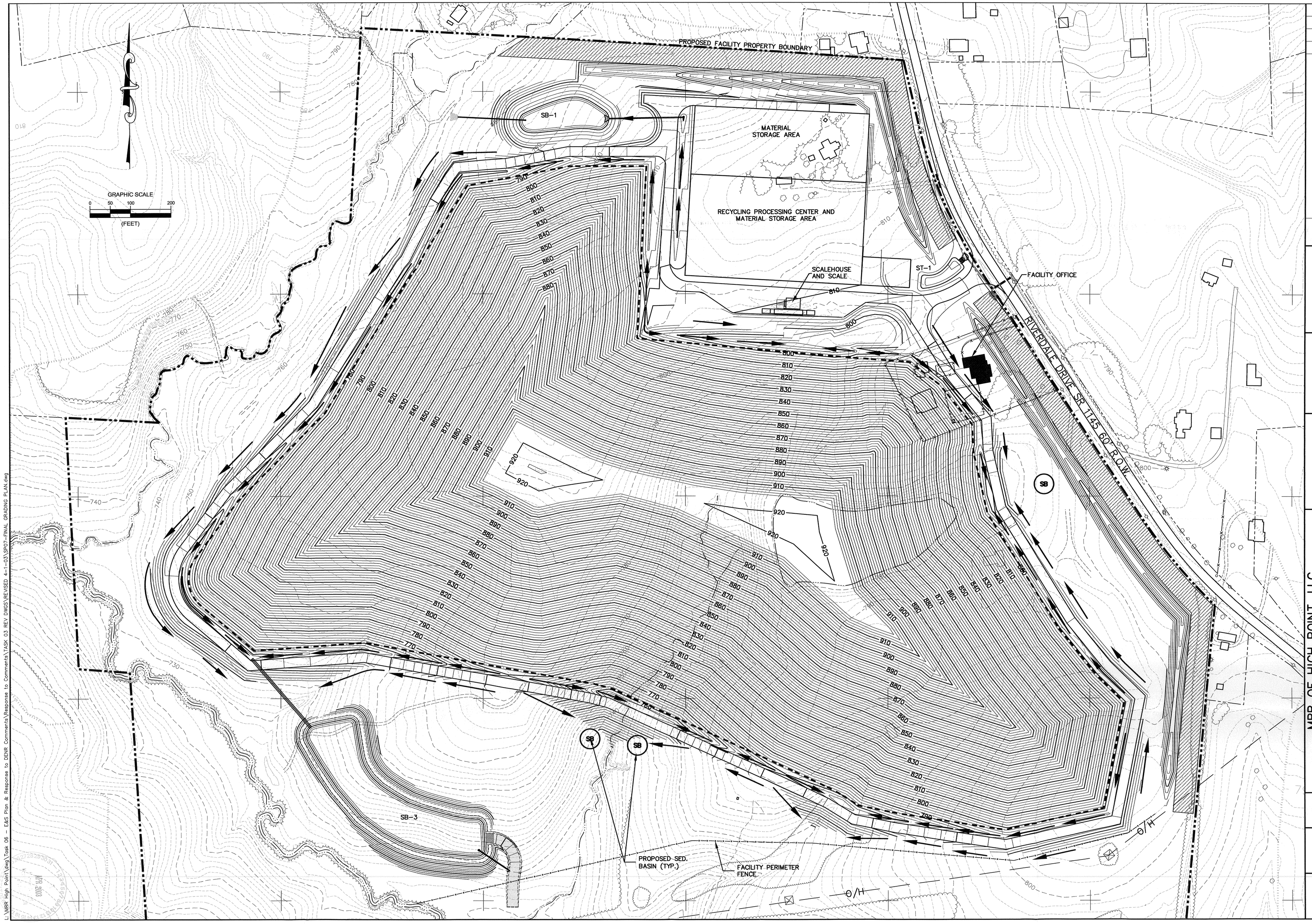
BASE GRADING PLAN
(CONCEPTUAL)

PROJECT NO.
600.06

SCALE
1"=100'

DRAWING NO.
SA6
REVISED

L:\MRR High Point\dwg\Task 06 - E&S Plan & Response to DENR Comments\Response to Comments\TASK 03 REV DWGS\REVISED 4-1-03\SP06-BASE GRADING PLAN.dwg



NO	BY	CK	APP
3	WW	TEH	MDE
2	WW	ME	ME
1	TWH	TEH	MDE

DATE	REVISIONS AND RECORD OF ISSUE
04/01/03	REVISED PER COMMENTS
01/17/03	REVISED PER COMMENTS
11/04/02	ADDED "CONCEPTUAL" TO SHEET TITLE

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DRAWN CADD/TWH/WW
CHECKED ME
APPROVED ME
DATE 01/17/03

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MRR OF HIGH POINT, LLC
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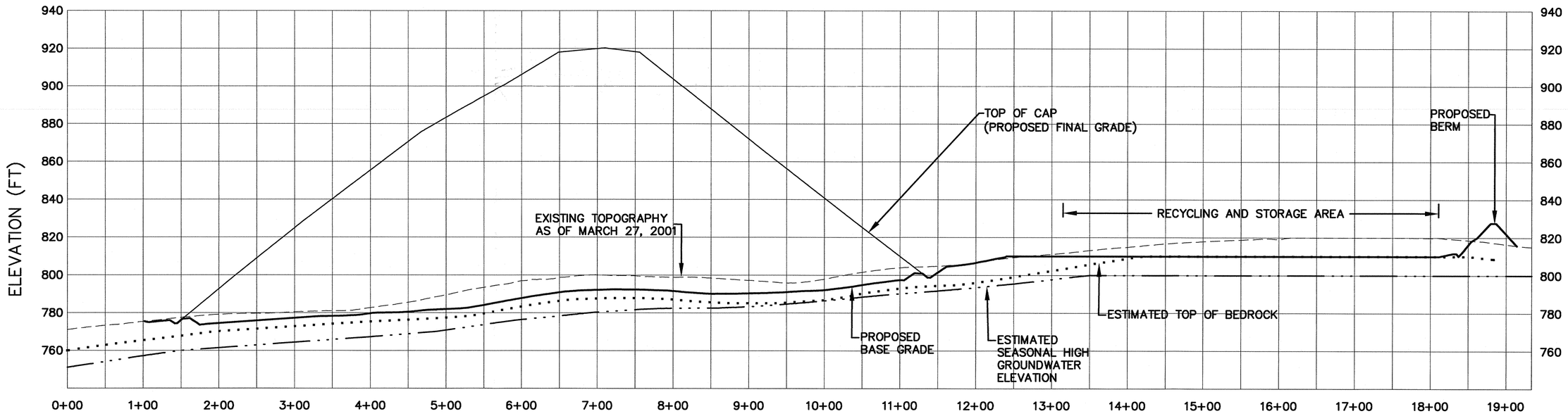
FINAL GRADING PLAN
(CONCEPTUAL)

PROJECT NO.
600.06

SCALE
1"=100'

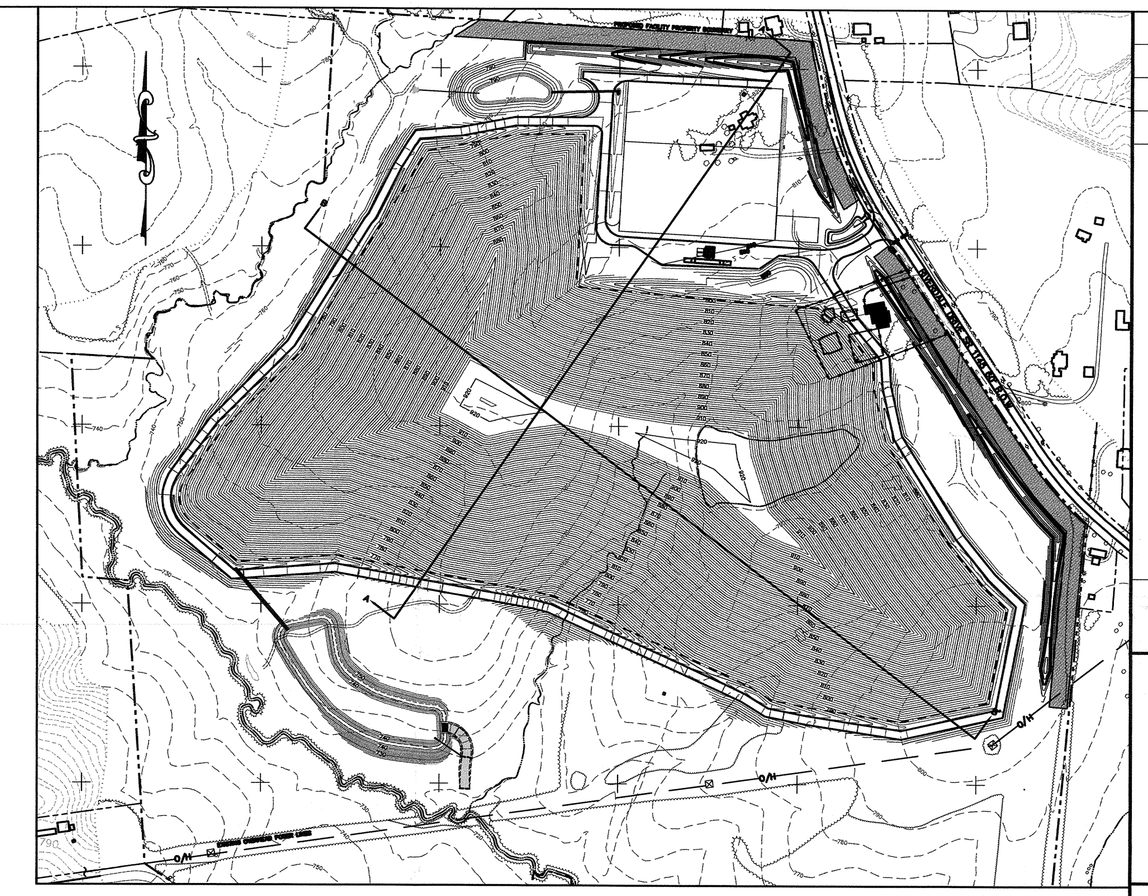
DRAWING NO.
SA7
REVISED

L:\MRR High Point\dwg\Task 06 - E&S Plan & Response to DENR Comments\Response to Comments\TASK 03 REV DWGS\REVISED 4-1-03\SP07-FINAL GRADING PLAN.dwg



CROSS SECTION A–A'

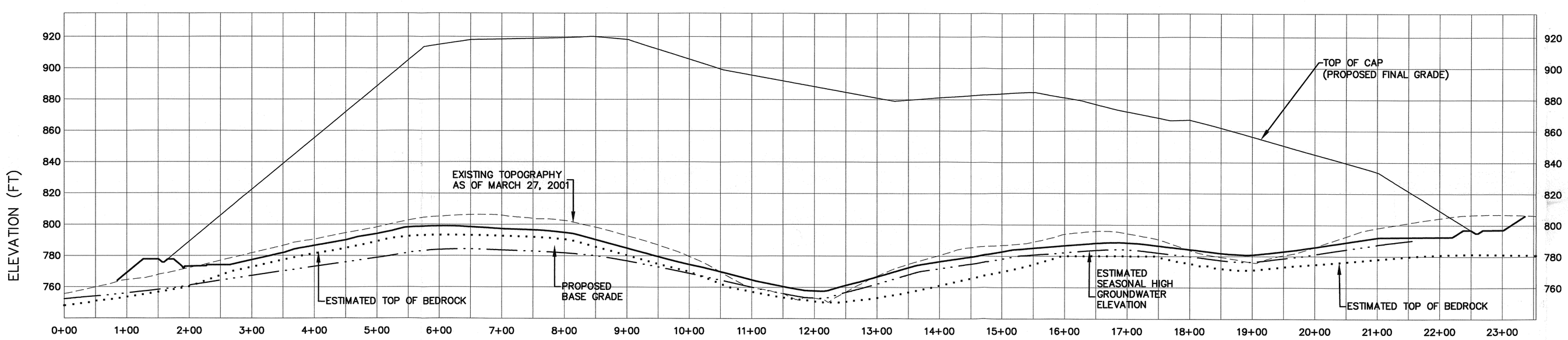
SCALE: H: 1"=100'
V: 1"=40'



PLAN VIEW

SCALE: H: 1"=300'

GRAPHIC SCALE
0 150 300 600
(FEET)



CROSS SECTION B–B'

SCALE: H: 1"=100'
V: 1"=40'

NO	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
3	IWW	TEH	MDE	04/01/03	REVISED PER COMMENTS
2	IWW	ME	ME	01/17/03	REVISED PER COMMENTS
1	TWH	TEH	MDE	11/04/02	ADDED "CONCEPTUAL" TO SHEET TITLE

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DRAWN CADD/IWW
CHECKED ME
APPROVED ME
DATE 01/17/03

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GREENSBORO, NC 27407
PHONE: (336) 323-0092

MRR OF HIGH POINT, LLC
CONSTRUCTION & DEMOLITION DEBRIS LANDFILL

CROSS SECTIONS
(CONCEPTUAL)

PROJECT NO.
600.06

SCALE
AS SHOWN

DRAWING NO.
SA8
REVISED

L:\MRR High Point\dwg\Task 06 - E&S Plan & Response to DENR Comments\Response to Comments\TASK 03 REV DWGS\REVISED 4-1-03\SP08-CROSS-SECTIONS.dwg

APR 1, 2003

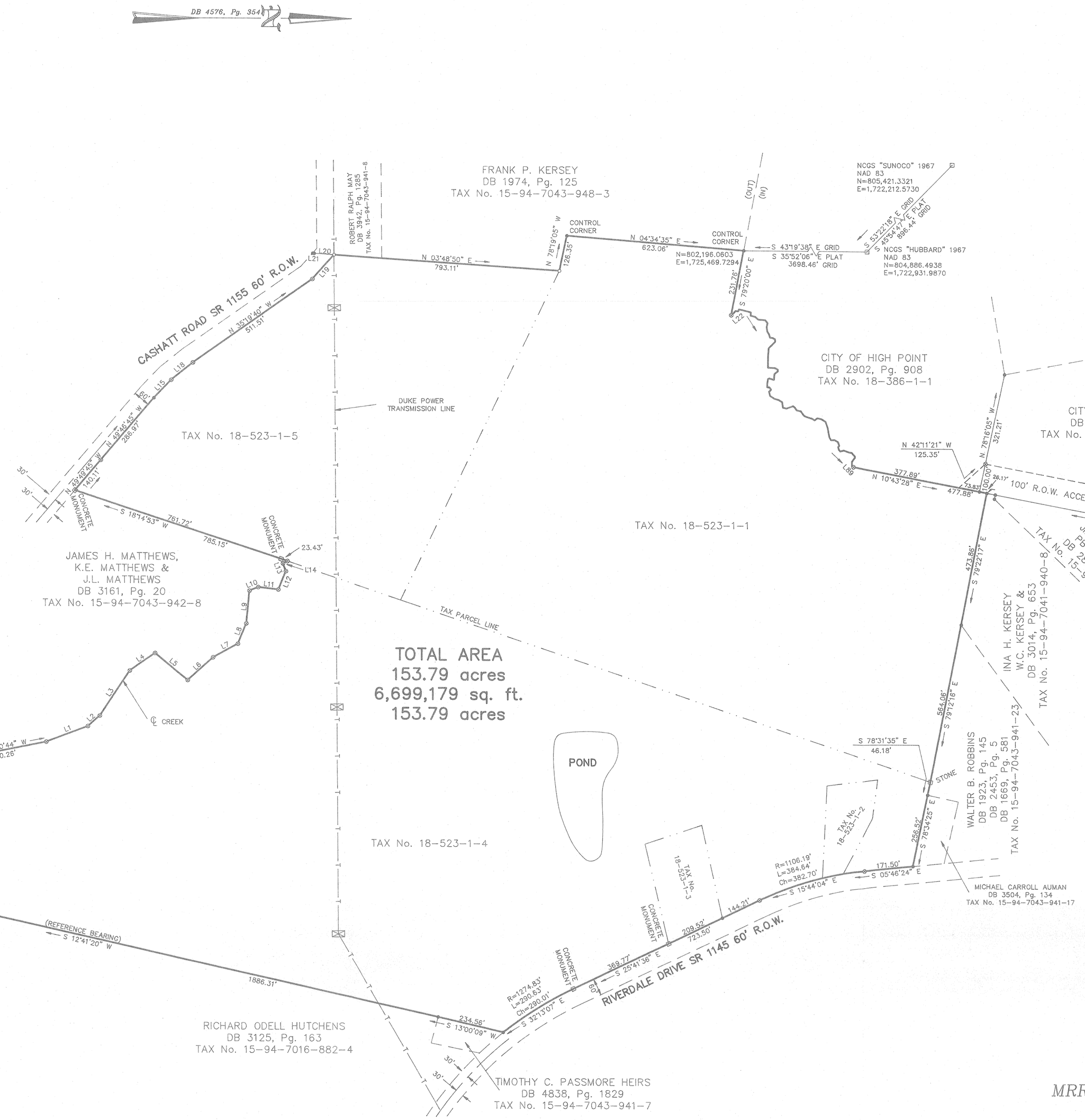
LINE TABLE

LINE	DIRECTION	DISTANCE	LINE	DIRECTION	DISTANCE
L1	N 20°58'24" W	156.34'	L47	S 37°17'42" E	14.84'
L2	N 41°44'25" W	56.00'	L48	S 85°26'27" E	21.18'
L3	N 56°29'54" W	189.63'	L49	S 18°13'59" W	16.25'
L4	N 35°23'27" W	108.40'	L50	S 18°31'42" E	5.91'
L5	N 39°39'54" E	148.50'	L51	S 80°26'30" E	15.52'
L6	N 42°15'26" W	119.27'	L52	S 87°55'43" E	13.56'
L7	N 29°09'22" W	99.46'	L53	N 04°03'11" E	8.04'
L8	N 67°51'46" W	76.73'	L54	N 50°55'25" E	9.91'
L9	N 84°49'43" W	116.68'	L55	S 46°42'19" E	10.40'
L10	N 22°04'17" W	33.40'	L56	N 76°40'27" E	15.35'
L11	N 06°39'49" E	70.80'	L57	N 33°27'28" E	16.89'
L12	N 67°49'40" W	69.37'	L58	N 12°39'49" E	13.95'
L13	S 69°14'25" W	29.48'	L59	N 33°19'10" E	15.57'
L14	N 28°34'07" W	17.78'	L60	N 81°37'38" E	19.42'
L15	N 46°33'55" W	87.67'	L61	N 15°55'21" E	12.36'
L18	N 39°08'30" W	96.91'	L62	N 21°21'35" W	24.66'
L19	N 48°37'06" W	114.54'	L63	N 37°02'04" E	8.40'
L20	N 03°48'50" E	69.75'	L64	N 57°54'28" E	11.65'
L21	S 03°48'50" W	5.60'	L65	N 11°54'01" E	15.28'
L22	N 37°30'05" W	6.45'	L66	N 54°20'46" E	18.41'
L23	N 46°41'06" W	14.47'	L67	N 30°06'36" E	8.05'
L24	N 03°21'45" E	9.78'	L68	N 16°43'32" E	23.04'
L25	N 71°08'24" W	7.11'	L69	N 34°31'07" E	10.49'
L26	N 09°24'04" E	8.45'	L70	N 38°02'12" W	12.48'
L27	N 14°41'18" E	34.98'	L71	N 12°58'04" E	14.36'
L28	S 84°06'25" E	11.39'	L72	N 32°25'46" E	17.71'
L29	N 15°07'05" E	17.21'	L73	N 70°33'50" E	21.13'
L30	N 42°30'29" E	14.46'	L74	N 79°09'56" E	34.60'
L31	N 03°28'30" E	23.56'	L75	N 58°34'03" E	11.97'
L32	N 50°11'57" E	13.87'	L76	N 01°15'21" W	11.87'
L33	S 76°49'37" E	13.58'	L77	N 29°25'12" E	14.48'
L34	N 82°40'30" E	16.66'	L78	N 70°35'53" E	13.61'
L35	N 56°31'14" E	11.20'	L79	S 48°50'37" E	5.58'
L36	N 73°45'05" E	12.66'	L80	N 77°45'14" E	9.54'
L37	N 03°37'44" E	8.47'	L81	N 53°45'12" E	8.12'
L38	N 28°53'46" E	10.48'	L82	N 16°36'56" W	12.12'
L39	N 84°42'18" E	8.67'	L83	N 19°34'32" E	21.88'
L40	S 46°27'12" E	8.92'	L84	N 04°13'25" E	7.64'
L41	S 44°26'43" E	23.33'	L85	N 46°20'53" E	16.89'
L42	S 84°45'28" E	21.30'	L86	N 83°27'58" E	5.26'
L43	S 89°37'23" E	47.56'	L87	S 53°51'62" E	18.60'
L44	N 02°18'53" E	24.73'	L88	N 87°13'15" E	12.85'
L45	N 28°00'00" E	11.51'	L89	N 46°04'06" E	7.17'
L46	S 88°49'50" E	6.27'			

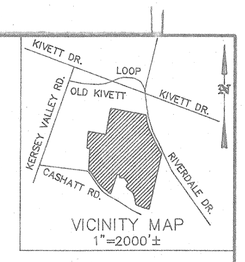
NOTE: THIS SURVEY BASED ON EXISTING MONUMENTATION FOUND AS SHOWN.

THIS PLAT IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL & ACCURATE TITLE SEARCH.

THIS PLAT IS SUBJECT TO ANY EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY OF RECORD PRIOR TO DATE OF THIS MAP.



LEGEND:
- ● = EXISTING IRON PIN
- ○ = NEW IRON PIN
- ⊗ = COMPUTED POINT
- ⊗ = UTILITY POLE
- ☼ = LIGHT POLE
- R.O.W. = RIGHT-OF-WAY
- MBL = MINIMUM BUILDING LINE
- PB = PLAT BOOK REFERENCE
- DB = DEED BOOK REFERENCE
- —U— = OVERHEAD UTILITY LINE



CERTIFICATE OF SURVEY & ACCURACY:

I, LARRY M. TERRY, PLS, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL FIELD SURVEY PERFORMED UNDER MY SUPERVISION; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS BROKEN LINES PLOTTED FROM DEED OR PLAT INFORMATION AS SHOWN ON THIS PLAT; AND THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH N.C.G.S. 47-30 AS AMENDED.

I ALSO CERTIFY THAT THIS SURVEY CREATES A SUBDIVISION OF LAND WITHIN AN AREA WHICH HAS AN ORDINANCE REGULATING PARCELS OF LAND.

WITNESS MY HAND AND SEAL THIS 9 DAY OF July, 2001.

Larry M. Terry

LARRY M. TERRY, PLS L-3096

NORTH CAROLINA PROFESSIONAL SEAL L-3096 LAND SURVEYOR LARRY M. TERRY

NOTES:
1. DEED REFERENCE TAX REFERENCE:
   DB 5248, Pg. 914 & DB 5350, Pg. 1568, TAX No. 18-523-1-1.
   DB 5018, Pg. 273, TAX No. 18-523-1-2.
   DB 5248, Pg. 914, TAX No. 18-523-1-3.
   DB 3797, Pg. 2054, TAX No. 18-523-1-4.
   DB 5248, Pg. 911, TAX No. 18-523-1-5.
2. FLOOD REFERENCE: FIRM ZONE "C", COMMUNITY 370111
   PANELS 0178D & 0190C, DATED MAY 18, 1998.
3. N.C. COMBINED SCALE FACTOR 0.99994939
4. ALL DISTANCES HORIZONTIAL GROUND UNLESS OTHERWISE NOTED.
5. AREA COMPUTED BY COORDINATE GEOMETRY.

COMPOSITE MAP FOR

MRR OF HIGH POINT, LLC

RIVERDALE ROAD
HIGH POINT, HIGH POINT TOWNSHIP
GUILFORD COUNTY, NORTH CAROLINA
MAY 15, 2002
MAP PREPARED JULY 1, 2002

200 0 200 400 800
SCALE: 1" = 200'

MARK TERRY & Assoc., Inc., P.C.
PROFESSIONAL LAND SURVEYOR
10837 North Main Street, Archdale, NC 27263
Phone: (336) 431-2114 FAX: (336) 431-2136

DRAWN BY: TLT
SURVEYED BY: LEE
JOB NO.: 8444-127-19