

May 27, 2014

Mr. Lance Norris
Public Works Director
Town of Chapel Hill
Public Works Department
6850 Millhouse Road
Chapel Hill, North Carolina 27516

Re: Coal Combustion Products (CCP) Limits Exhibit

828 Martin Luther King Jr Blvd

PN E13047.00

Dear Mr. Norris:

Falcon Engineering, Inc. (Falcon) is pleased to provide the requested exhibit showing the approximate limits of Coal Combustion Products (CCP) located at the property identified as 828 Martin Luther King Jr Blvd in Chapel Hill, NC. This provided figure is only an exhibit and does not present a definitive delineation of these buried materials. Based upon the completed site work, which included limited soil boring locations and visual evaluation of site conditions, Falcon is able to approximate these limits. In order to provide a more exact delineation a more extensive sampling and subsurface investigations would be required.

This exhibit provides data gathered as part of sampling and visual observations performed as part of twelve (12) soil boring locations (indicated as GP) and the installation of three (3) monitoring wells (indicated as MW). The southern limits of this approximate area are based upon field observations and confirmatory soil samples collected at three (3) distinct locations. All soil boring locations were surveyed by a licensed land surveyor for accuracy and data reliability. At each soil boring location, Falcon provides an estimate of native soil cover that was encountered covering the CCP and the depth at which the CCP was observed during these borings. These soil cover and CCP depths are provided for informational purposes only and demonstrate the highly variable condition present at this site.

We appreciate the opportunity to serve the Chapel Hill Community. If you have any questions, please give me a call at (919) 871-0800.

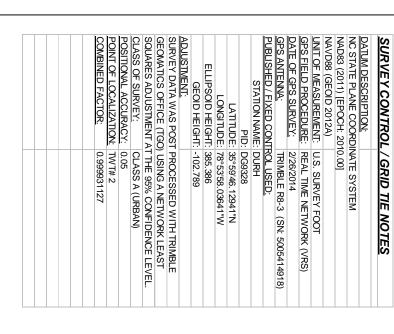
Sincerely,

FALCON ENGINEERING, INC.

Josh Dunbar, PE

Director of Design Services

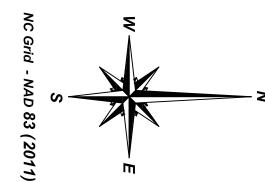
**Enclosures** 



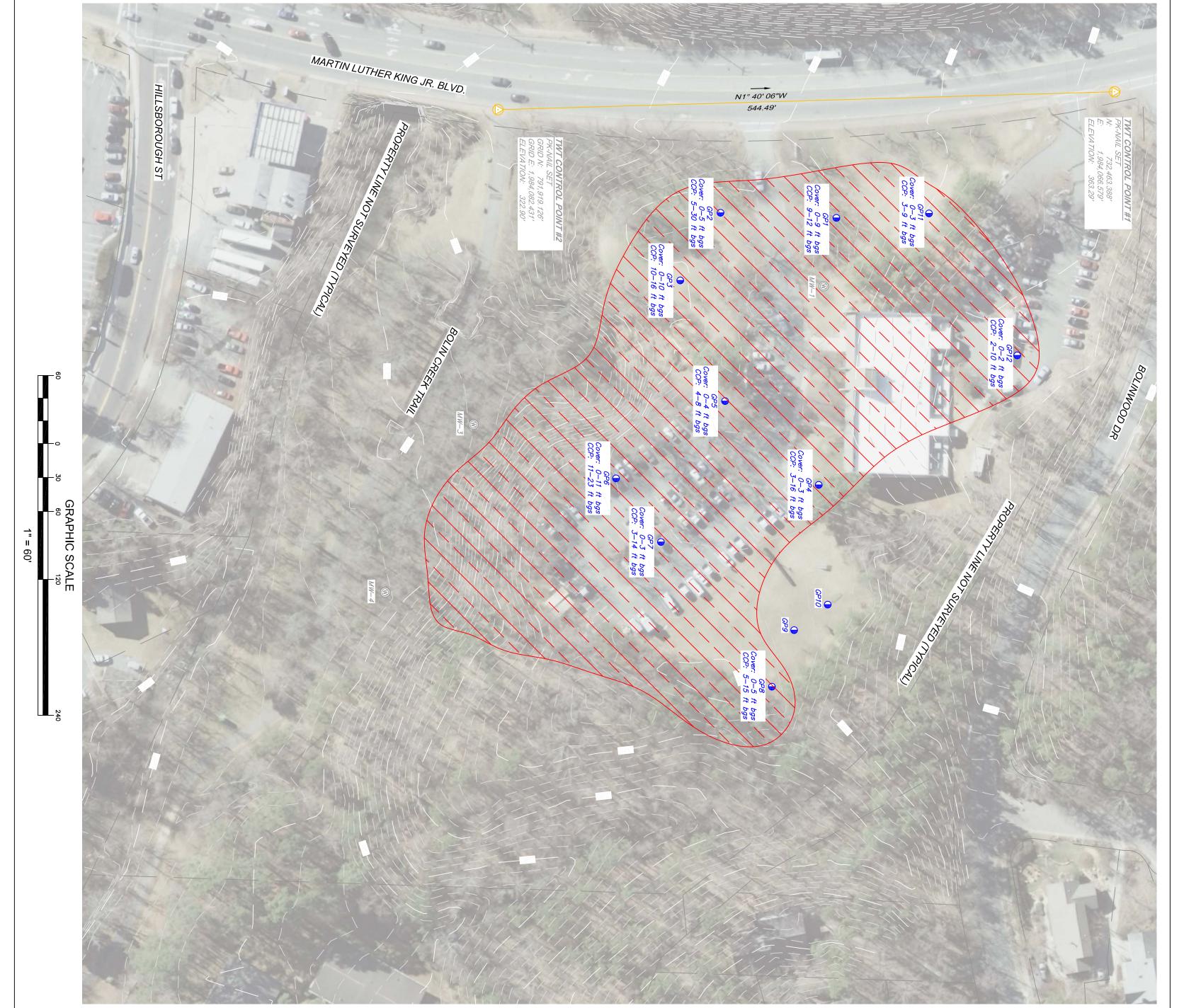
	Ħ	FEATURE TABLE	BLE	
ID	NORTHING	EASTING	TOP CASE ELEV	GROUND ELEV
MW-1	792206.53	1984238.25	346.12	346.52
MW-3	791897.55	1984360.36	304.95	301.47
MW-4	791819.55	1984508.46	301.42	297.79
*JON*	MW-5'S LOC.	*NOTE * MW-5'S LOCATION IS AT GROUND ELEVATION	SROUND ELE	EVATION
MW-5 W	AS DRILLED	MW-5 WAS DRILLED, BUT NOT SET	14	
GP1	792217.78	1984177.99		344.77
GP2	792115.52	1984173.47	-	340.93
GP3	792079.96	1984233.18	-	339.83
GP4	792202.20	1984413.72	•	347.50
GP5	792119.52	1984339.70		346.92
GP6	792023.33	1984407.96		344.65
GP7	792062.93	1984464.12	-	344.68
GP8	792160.87	1984591.83	-	340.86
GP9	792180.50	1984541.93	-	344.05
GP10	792210.13	1984519.41	-	344.92
GP11	792299.52	1984173.99	-	350.76
GP12	792377.39	1984299.37	-	362.83

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NC Grid - NAD 83 (201	S
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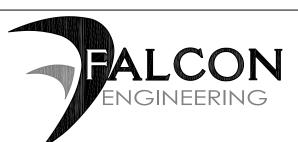
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ABBREVIATIONS BLVD BOULEVARD DR DRIVE	APPROXIMATE LIMITS OF CCP	SURVEY CONTROL POINT	SOIL BORING	MONITORING WELL	SYMBOL LEGEND	



**APPROXIMATE COAL COMBUSTION** PRODUCTS (CCP) BOUNDARY LIMITS CHAPEL HILL POLICE DEPARTMENT 828 MARTIN LUTHER KING JR BLVD ORANGE COUNTY, CHAPEL HILL, NC



2) ALL BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE BASED UPON THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 83 (2011), WITH NAVD88 (GEOID 12) ELEVATIONS, PER A GPS SURVEY PERFORMED BY TAYLOR WISEMAN AND TAYLOR ON FEBRUARY 25, 2014 AND MAY 7, 2014. THE N.C. STATE PLANE COORDINATE SYSTEM SHOWN FOR CONTROL POINTS HEREON WERE ESTABLISHED UTILIZING GLOBAL POSITIONS SYSTEMS (GEOS) IN CONJUNCTION WITH THE NORTH CAROLINA GEODETIC SURVEY'S WIRTULAL REFERENCE SYSTEM (VRS), WHICH IS BASED UPON THE CONTINUALLY OPERATING REFERENCE SYSTEM (VRS), WHICH IS BASED UPON THE CONTINUALLY OPERATING REFERENCE SYSTEM (VRS), WHICH IS BASED UPON THE CONTINUALLY OPERATING REFERENCE SYSTEM (VRS), WHICH IS BASED UPON THE CONTINUALLY OPERATING REFERENCE SYSTEM (VRS), WHICH IS BASED UPON THE CONTINUALLY OPERATING REFERENCE SYSTEM (VRS), WHICH IS BASED UPON THE CONTINUALLY OPERATING REFERENCE SYSTEM (VRS), WHICH IS BASED UPON THE CONTINUALLY OPERATING REFERENCE SYSTEM (VRS), WHICH IS BASED UPON THE CONTINUALLY OPERATING REFERENCE SYSTEM (VRS), WHICH IS BASED UPON THE SHAPE TO THE SEARCH. THIS PLAT SHOULD NOT BE RELIED UPON AS A COMPLETE RECORD OF ALL EASEMENTS THAT MAY EFFECT THESE, STREAM CENTER IN THE CONTINUAL TO THE RECORD OF RECORD THAT WOULD BE REVALED BY A THOROUGH THE SHOWN HEREON WERE TAKEN FROM THE ORANGE COUNTY GIS DATABASE ON MAY 15, 2014. THIS INFORMATION HAS BEEN SHOWN HEREON FOR REFRENCE PURPOSES ONLY. NO TRANSLATION, ROTATION OR SCALING WAS PERFORMED ON THE GIS DATA. IT WAS INSERTED INTO OUR DRAWNING FILE AS PROVIDED. NO ACCURACY OR POSITIONAL TOLERANCE IS GLARANTEED BY THIS SURVEYED TO HOW THE SURVEYED FEATURES TRULY RELATE TO THE GIS INFORMATION. SUBSURFACE CONDITIONS. THESE LIMITS ARE BASED UPON WANY UNKNOWN UNBSURFACE CONDITIONS. THESE LIMITS AND DOORS NOT BEREVATIONS AND LIMITED AND OTHER SAMPLING ACTIVITIES.

1) THIS EXHIBIT IS BASED

RALEIGH SOUTH RD

VICINITY MAP (NOT TO SCALE)

1210 TRINITY ROAD, SUITE 110 RALEIGH, NORTH CAROLINA 27607 919.871.0800 | FALCONENGINEERS.COM