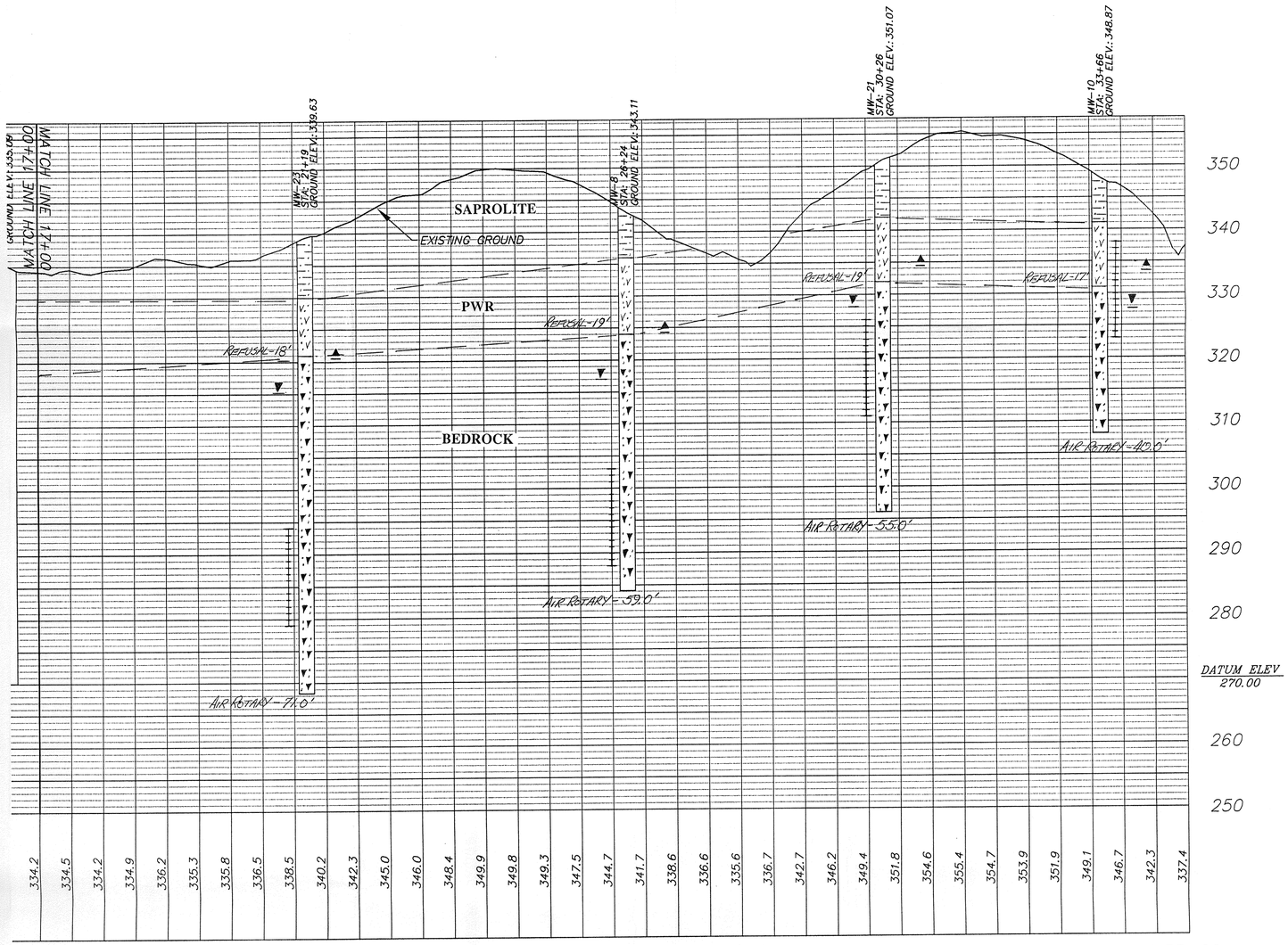

VERTICAL
GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

PROFILE A–A'
17+00 – 35+00

HORIZONTAL
GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

SEE FIGURE 7
HYDROGEOLOGIC CROSS–SECTION
PROFILE MAP

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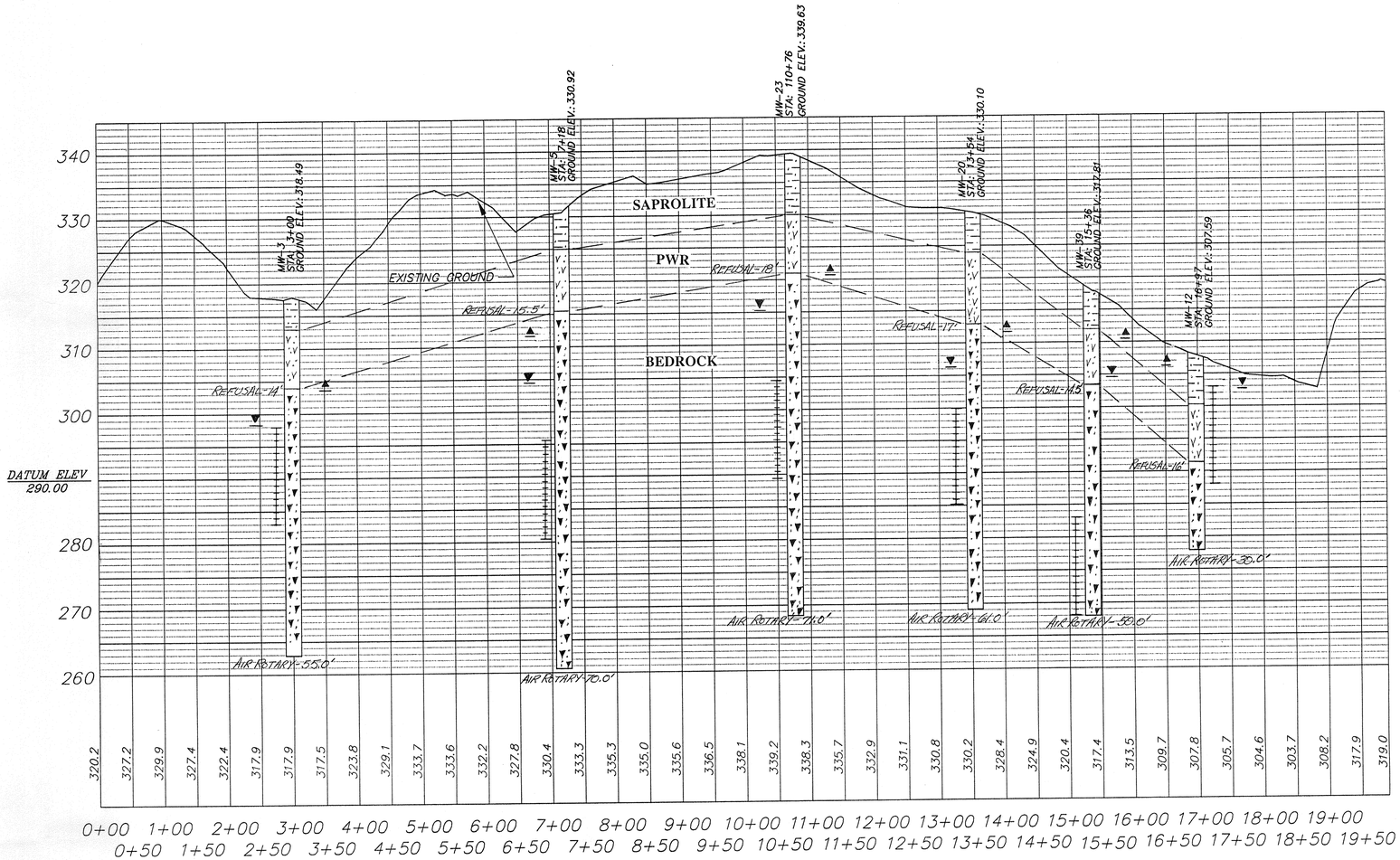
JOB NAME:
HWY 55 C&D LANDFILL AND RECYCLING CENTER
HYDROGEOLOGIC CROSS–SECTION PROFILE A–A' (17+00–35+00)

LOCATION: WAKE COUNTY, NC	DRAWN BY: TPD / CHECKED BY: DEB
	SCALE: 1" = 100'
OWNERS: GRIFFIN BROTHERS COMPANIES 19109 WEST CATAWBA COUNTY CORNELIUS, NC 28031	DATE OF FIELD SURVEY: 1/1/00
	DATE OF MAP: 1/1/00
	JOB NUMBER MO1117 / SHEET NUMBER FIGURE 8a



VERTICAL
GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

0+00 – 19+50±

HORIZONTAL
GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

SEE FIGURE 7
HYDROGEOLOGIC CROSS-SECTION
PROFILE MAP

LITHOLOGY

- ▲ SEASONAL HIGH GROUNDWATER ELEVATION
- ▼ GROUNDWATER ELEVATION
- SCREEN INTERVAL
- CLAYEY SILT
- PARTIALLY WEATHERED ROCK (PWR) SAMPLED AS SLIGHTLY CLAYEY SANDY SILT WITH ROCK FRAGMENTS
- BEDROCK – FANGLOMERATE

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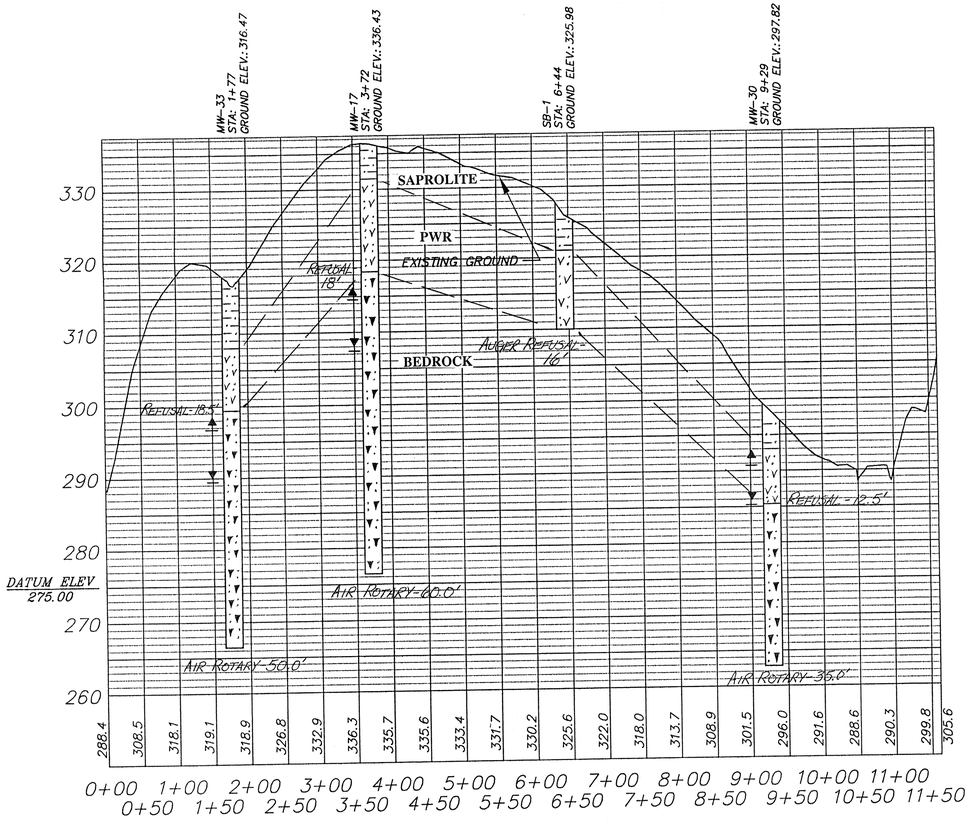
JOB NAME:
HWY 55 C&D LANDFILL AND RECYCLING CENTER
HYDROGEOLOGIC CROSS-SECTION PROFILE B-B'

LOCATION: WAKE COUNTY, NC

OWNERS: GRIFFIN BROTHERS COMPANIES
19109 WEST CATAWBA COUNTY
CORNELIUS, NC 28031

DRAWN BY: TPD | CHECKED BY: DEB
SCALE: 1" = 100'
DATE OF FIELD SURVEY: 1/1/00
DATE OF MAP: 1/1/00
JOB NUMBER MO1117 | SHEET NUMBER FIGURE 8b



PROFILE C-C'

VERTICAL GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

HORIZONTAL GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

SEE FIGURE 7
HYDROGEOLOGIC CROSS-SECTION
PROFILE MAP

LITHOLOGY

- ▲ SEASONAL HIGH GROUNDWATER ELEVATION
- ▼ GROUNDWATER ELEVATION
- SCREEN INTERVAL
- CLAYEY SILT
- PARTIALLY WEATHERED ROCK (PWR) SAMPLED AS SLIGHTLY CLAYEY SANDY SILT WITH ROCK FRAGMENTS
- BEDROCK - FANGLOMERATE

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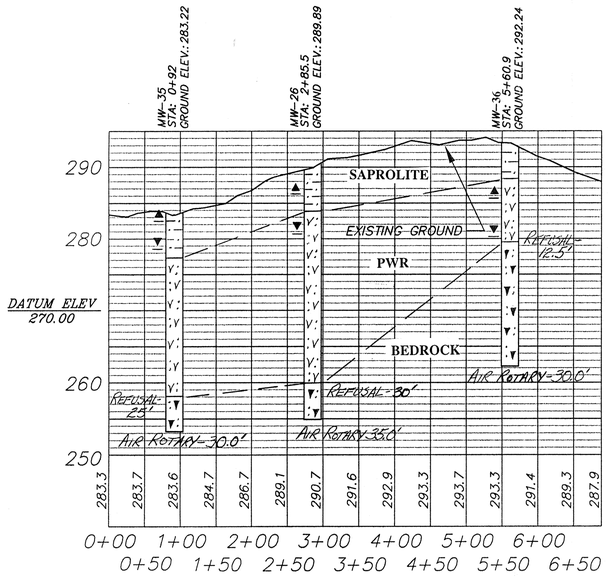
JOB NAME: HWY 55 C&D LANDFILL AND RECYCLING CENTER
HYDROGEOLOGIC CROSS-SECTION PROFILE C-C'

LOCATION: WAKE COUNTY, NC

OWNERS: GRIFFIN BROTHERS COMPANIES
19109 WEST CATAWBA COUNTY
CORNELIUS, NC 28031

DRAWN BY: TPD | CHECKED BY: DEB
SCALE: 1" = 100'
DATE OF FIELD SURVEY: 1/1/00
DATE OF MAP: 1/1/00
JOB NUMBER MO1117 | SHEET NUMBER FIGURE 8c



PROFILE D-D'

VERTICAL
GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

HORIZONTAL
GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

SEE FIGURE 7
HYDROGEOLOGIC CROSS-SECTION
PROFILE MAP

LITHOLOGY

- SEASONAL HIGH GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION
- SCREEN INTERVAL
- CLAYEY SILT
- PARTIALLY WEATHERED ROCK (PWR) SAMPLED AS SLIGHTLY CLAYEY SANDY SILT WITH ROCK FRAGMENTS
- BEDROCK - FANGLOMERATE

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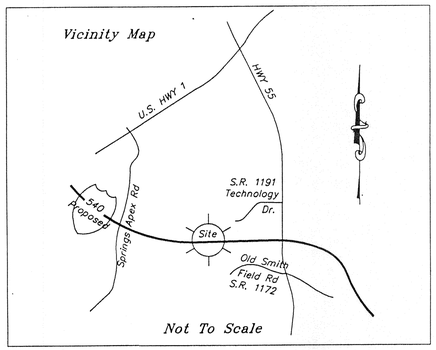
JOB NAME:
HWY 55 C&D LANDFILL AND RECYCLING CENTER
HYDROGEOLOGIC CROSS-SECTION PROFILE D-D'

LOCATION: WAKE COUNTY, NC

OWNERS: GRIFFIN BROTHERS COMPANIES
19109 WEST CATAWBA COUNTY
CORNELIUS, NC 28031

DRAWN BY: TPD | CHECKED BY: DEB
SCALE: 1" = 100'
DATE OF FIELD SURVEY: 1/1/00
DATE OF MAP: 1/1/00
JOB NUMBER MO1117 | SHEET NUMBER FIGURE 8d



BENCHMARK	POWER POLE	WM	WATER MAIN	RAILROAD SIGNAL	TREE LINE	PAINTED LINE	DEPRESSION INT. CONTOUR
TRAVERSE POINT	POWER POLE W/ LIGHT	WV	WATER VALVE	RETAINING WALL	SMALL TREE	TRAILS (TO SCALE)	SIGN
2426.26 FIELD ELEVATION	LP	LIGHT POLE	GM	GAS METER	WATER LINE	LARGE TREE	PAVED ROADS (TO SCALE)	UNIDENTIFIED OBJECT
2426.3 PHOTOGRAMMETRIC ELEVATION	GUIDE WIRE	PM	PARKING METER	SEWER LINE	LARGE TREE W/ TRUNK	INDEX CONTOURS	TRAFFIC SIGNAL
PROPERTY CORNER	MH	MANHOLE	FP	FLAG POLE	GAS LINE	BUSH	DEPRESSION INDEX CONTOUR	TELEPHONE PEDESTAL
CATCH BASIN	FH	FIRE HYDRANT	MB	MAILBOX	FENCE	PINE TREE	INTERMEDIATE CONTOUR	ROTATING BEACON
							MONITORING WELL	WIND SOCK

MAGNETIC

PROPOSED CONSTRUCTION AND DEMOLITION LANDFILL SITE
USEABLE ACRES 42.9
TOTAL ACRES 88.6

Legend

- MW-18 = Monitoring Well Location
- SB-3 = Soil Boring Location
- = Wetland Boundary
- = 50' Stream Buffer
- = Total Landfill Boundary
- = Usable Landfill Boundary

NOTE: GROUNDWATER ELEVATIONS ARE BASED ON 1/10/02 MEASUREMENTS

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

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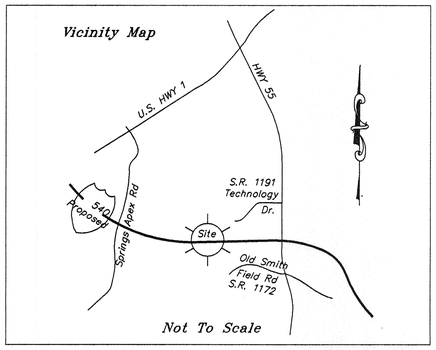
JOB NAME:
HWY 55 C&D LANDFILL AND RCYCLING CENTER
GROUNDWATER CONTOUR MAP

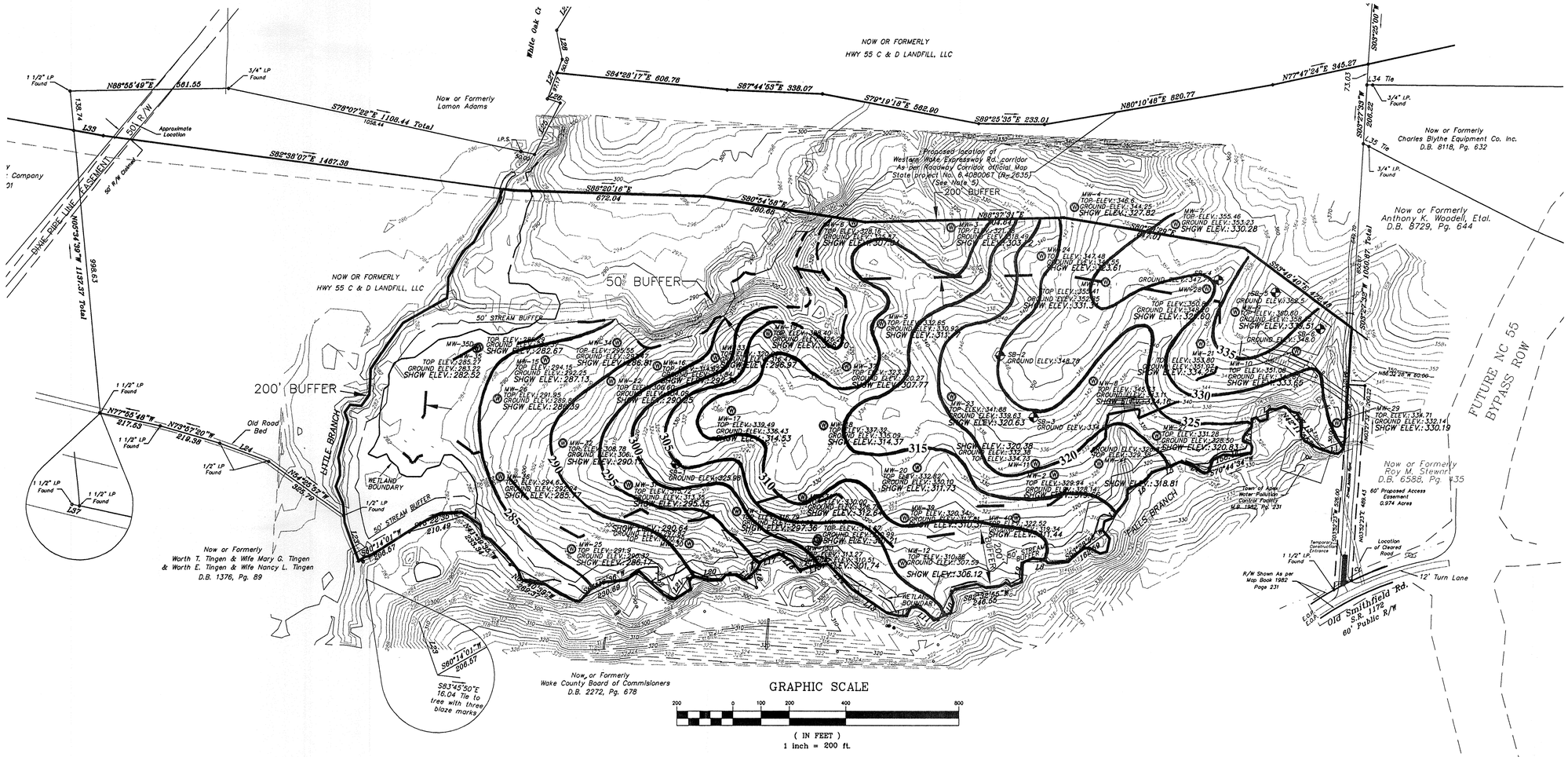
LOCATION: WAKE COUNTY, NC

OWNERS: HWY 55 C & D LANDFILL, LLC
19109-118 WEST CATAWBA AVENUE
CORNELIUS, NC 28031-5613

DRAWN BY: TPD	CHECKED BY: DEB
SCALE: 1" = 200'	
DATE OF FIELD SURVEY: 1/1/00	
DATE OF MAP: 1/1/00	
JOB NUMBER MO1117	SHEET NUMBER FIGURE 9



BENCHMARK	POWER POLE	WM	WATER MAIN	RAILROAD SIGNAL	TREE LINE	PAINTED LINE	DEPRESSION INT. CONTOUR
TRAVERSE POINT	POWER POLE W/ LIGHT	WV	WATER VALVE	RETAINING WALL	SMALL TREE	TRAILS (TO SCALE)	SIGN
2426.28	FIELD ELEVATION	LP	LIGHT POLE	GM	GAS METER	WATER LINE	LARGE TREE	PAVED ROADS (TO SCALE)	UNIDENTIFIED OBJECT
X 2426.3	PHOTOGRAMMETRIC ELEVATION	GUIDE WIRE	PM	PARKING METER	SEWER LINE	LARGE TREE W/ TRUNK	INDEX CONTOURS	TRAFFIC SIGNAL
	PROPERTY CORNER	MH	MANHOLE	FP	FLAG POLE	GAS LINE	BUSH	DEPRESSION INDEX CONTOUR	TELEPHONE PEDESTAL
	CATCH BASIN	FH	FIRE HYDRANT	MB	MAILBOX	FENCE	PINE TREE	INTERMEDIATE CONTOUR	ROTATING BEACON
								MONITORING WELL	WIND SOCK



Legend

- MW-18 = Monitoring Well Location
- SB-3 = Soil Boring Location
- = Wetland Boundary
- = 50' Stream Buffer
- = Total Landfill Boundary
- = Usable Landfill Boundary

MACNETIC

PROPOSED CONSTRUCTION AND DEMOLITION LANDFILL SITE
USEABLE ACRES 42.9
TOTAL ACRES 88.6

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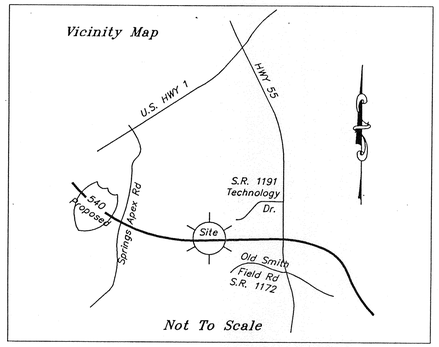
JOB NAME:

HWY 55 C&D LANDFILL AND RECYCLING CENTER

SEASONAL HIGH GROUNDWATER CONTOUR MAP

LOCATION: WAKE COUNTY, NC	DRAWN BY: TPD	CHECKED BY: DEB
	SCALE: 1" = 200'	
OWNERS: HWY 55 C & D LANDFILL, LLC 19109-118 WEST CATAWBA AVENUE CORNELIUS, NC 28031-5613	DATE OF FIELD SURVEY: 1/1/00	
	DATE OF MAP: 1/1/00	
	JOB NUMBER MO1117	SHEET NUMBER FIGURE 10



BENCHMARK	POWER POLE	WM	WATER MAIN	RAILROAD SIGNAL	TREE LINE	PAINTED LINE	DEPRESSION INT. CONTOUR
TRAVERSE POINT	POWER POLE W/ LIGHT	WV	WATER VALVE	RETAINING WALL	SMALL TREE	TRAILS (TO SCALE)	SIGN
2426.28 FIELD ELEVATION	LP	LIGHT POLE	GM	GAS METER	WATER LINE	LARGE TREE	PAVED ROADS (TO SCALE)	UNIDENTIFIED OBJECT
X 2428.3 PHOTOGRAMMETRIC ELEVATION	GUIDE WIRE	PM	PARKING METER	SEWER LINE	LARGE TREE W/ TRUNK	INDEX CONTOURS	TRAFFIC SIGNAL
PROPERTY CORNER	MH	MANHOLE	FP	FLAG POLE	GAS LINE	BUSH	DEPRESSION INDEX CONTOUR	TELEPHONE PEDESTAL
CATCH BASIN	FH	FIRE HYDRANT	MB	MAILBOX	FENCE	PINE TREE	INTERMEDIATE CONTOUR	ROTATING BEACON
							MONITORING WELL	WIND SOCK

MAGNETIC

PROPOSED CONSTRUCTION AND
DEMOLITION LANDFILL SITE
USEABLE ACRES 42.9
TOTAL ACRES 88.6

Legend

- MW-18 = Monitoring Well Location
- SB-3 = Soil Boring Location
- = Wetland Boundary
- = 50' Stream Buffer
- = Total Landfill Boundary
- = Usable Landfill Boundary

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

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JOB NAME: HWY 55 C&D LANDFILL AND RECYCLING CENTER
TOP OF BEDROCK CONTOUR MAP

LOCATION: WAKE COUNTY, NC	DRAWN BY: TPD	CHECKED BY: DEB
	SCALE: 1" = 200'	
OWNERS: HWY 55 C & D LANDFILL, LLC 19109-118 WEST CATAWBA AVENUE CORNELIUS, NC 28031-5613	DATE OF FIELD SURVEY: 1/1/00	
	DATE OF MAP: 1/1/00	
	JOB NUMBER M01117	SHEET NUMBER FIGURE 11