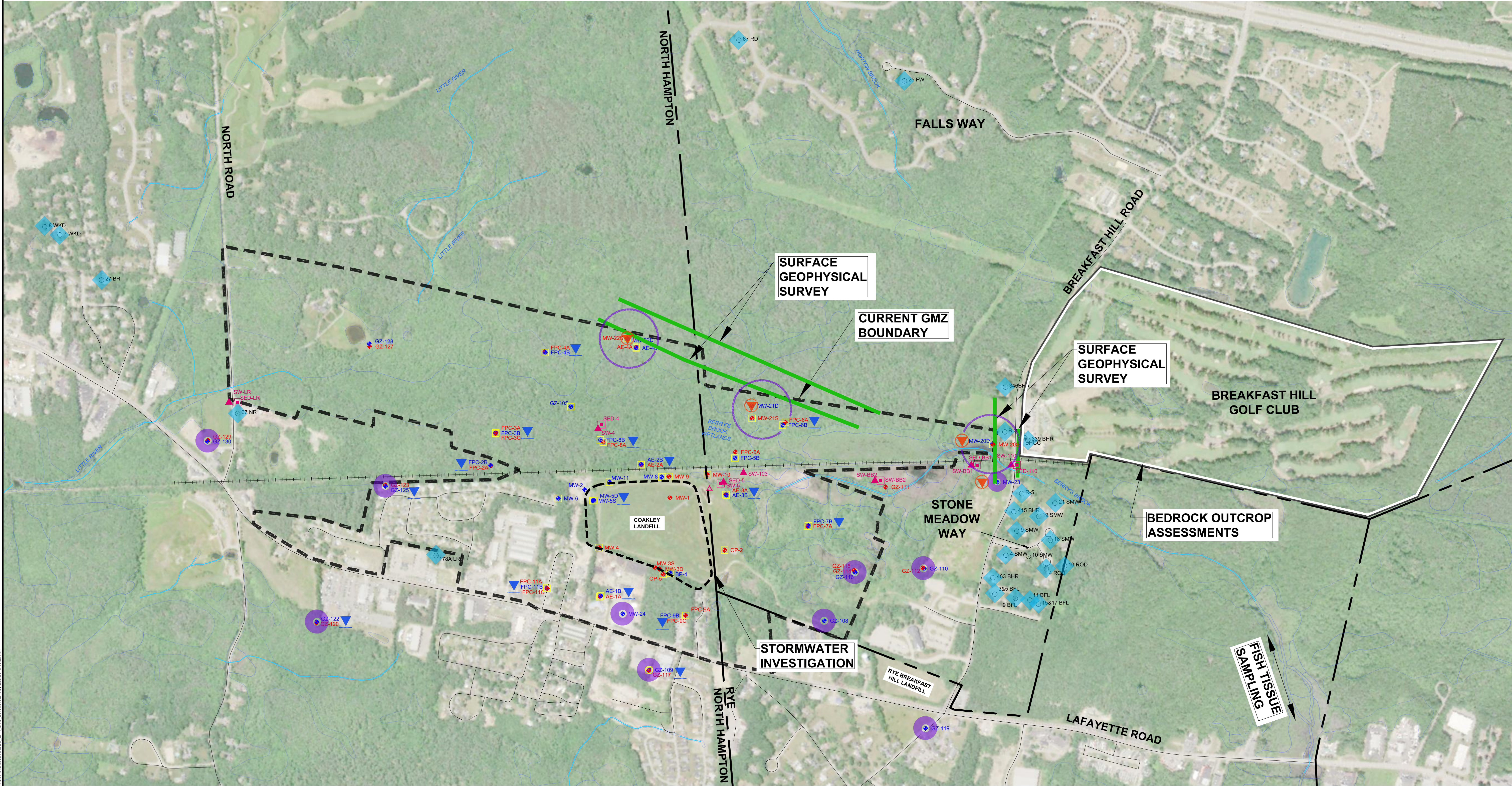


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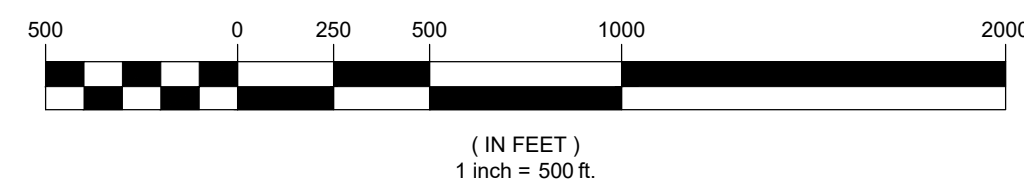
LEGEND

	R-3	BEDROCK WATER SUPPLY WELL
	WELL ID	OVERBURDEN MONITORING WELL
	WELL ID	BEDROCK MONITORING WELL
	WELL ID	SAMPLING WELL
	SW-5	SURFACE WATER SAMPLING LOCATION
		LIMITS OF GROUNDWATER MANAGEMENT AND/OR RESTRICTION ZONE
		PERIMETER OF LANDFILL (APPROXIMATE)
		RAILROAD
		PROPERTY LINE & RIGHT OF WAY
		STREAM
		TOWN LINE
		SURFACE GEOPHYSICAL PROFILE
	WELL ID	RECONNAISSANCE BEDROCK WELL
	R-3	RESIDENTIAL SAMPLING LOCATION
		QUARTERLY SYNOPSIS WATER LEVEL GAUGING LOCATION
		PRESSURE TRANSDUCER DEPLOYMENT LOCATION

NOTES

- THIS PLAN IS BASED UPON A PLAN IN THE APRIL 2010 POP TITLED "ENVIRONMENTAL MONITORING NETWORK" DATED 08/16/07 (GOLDER ASSOCIATES, INC.), A PLAN IN THE 1999 SEDIMENT, SURFACE WATER AND GROUNDWATER MONITORING PLAN TITLED "SITE PLAN" (ARIES ENGINEERING, INC.), AND CITY OF PORTSMOUTH SUBMETER-GPS LOCATIONS FOR SITE MONITORING POINTS. STREAMS AND WATER SUPPLY WELL LOCATIONS BASED ON NH GRANIT AERIAL PHOTOGRAPHY AND THE ABOVE REFERENCE SITE PLANS. SITE FEATURE LOCATIONS AND SCALE ARE APPROXIMATE.
- APPROXIMATE PROPERTY LINES BASED ON AFOREMENTIONED PLANS. PROPERTIES IN GREENLAND ON BREAKFAST HILL ROAD BASED UPON TOWN OF GREENLAND TAX MAP R-1 (DATED APRIL 1, 2013).
- GMZ BOUNDARY IS BASED UPON "GMZ BOUNDARY PLAN" DATED MAY 9, 2008 INCLUDED IN THE 2008 GMP APPLICATION PREPARED BY MANCOCK ASSOCIATES, AND 2013 GMZ EXPANSION AREA ESTABLISHED BY THE 2013 GMP DATED JANUARY 7, 2014.
- GIS DATA COURTESY OF GRANIT.
- MAP IS PROJECTED USING THE NEW HAMPSHIRE STATE PLANE PROJECTION, US FEET AND REFERENCES THE NORTH AMERICAN VERTICAL DATUM OF 1983.
- NORTH ARROW IS REFERENCED TO GRID NORTH.

COAKLEY LANDFILL SUPERFUND SITE NEW HAMPSHIRE GRAPHIC SCALE



PROJECT TITLE
COAKLEY LANDFILL SUPERFUND SITE
NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE

SHEET TITLE
SITE PLAN

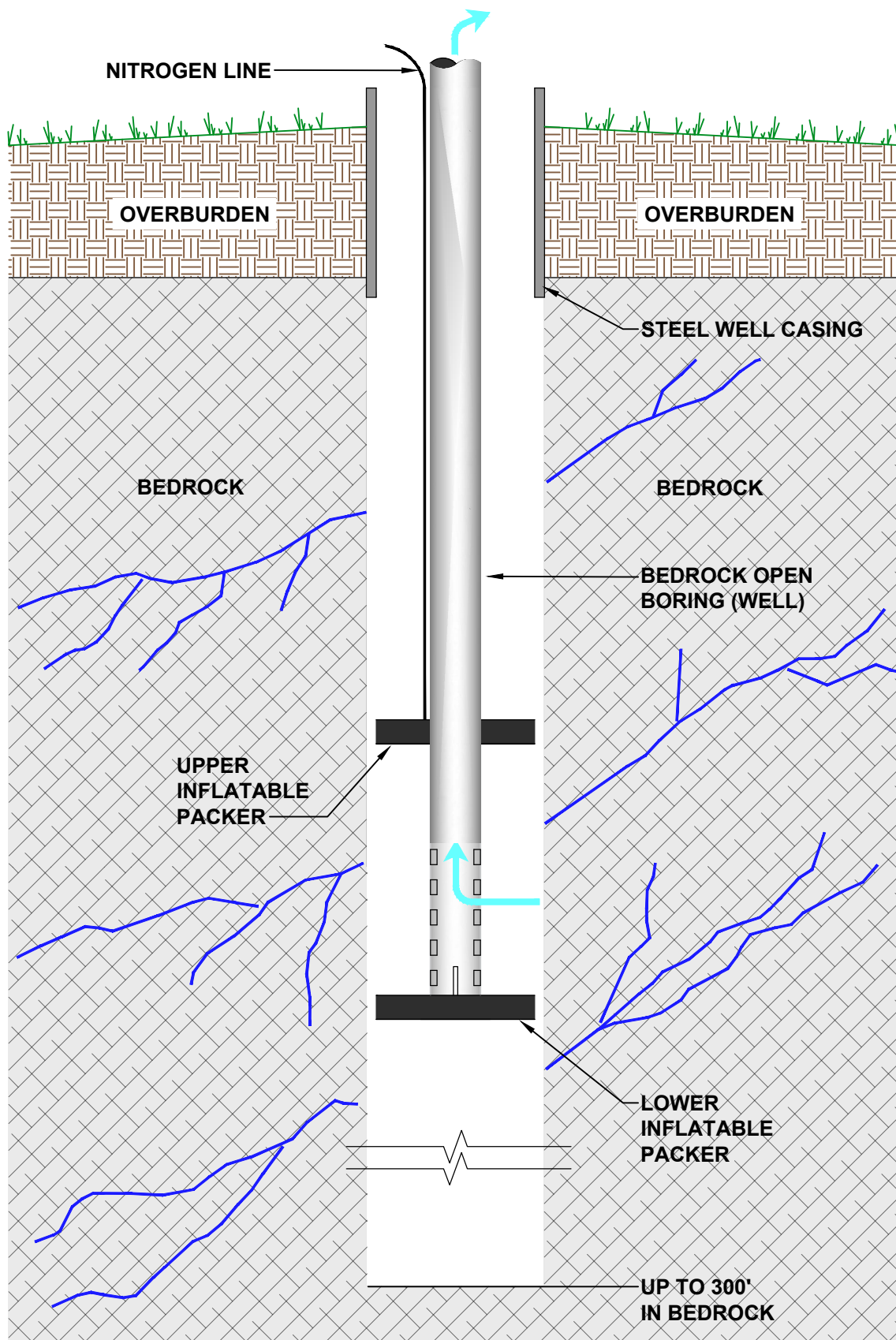
FOR REGULATORY
REVIEW

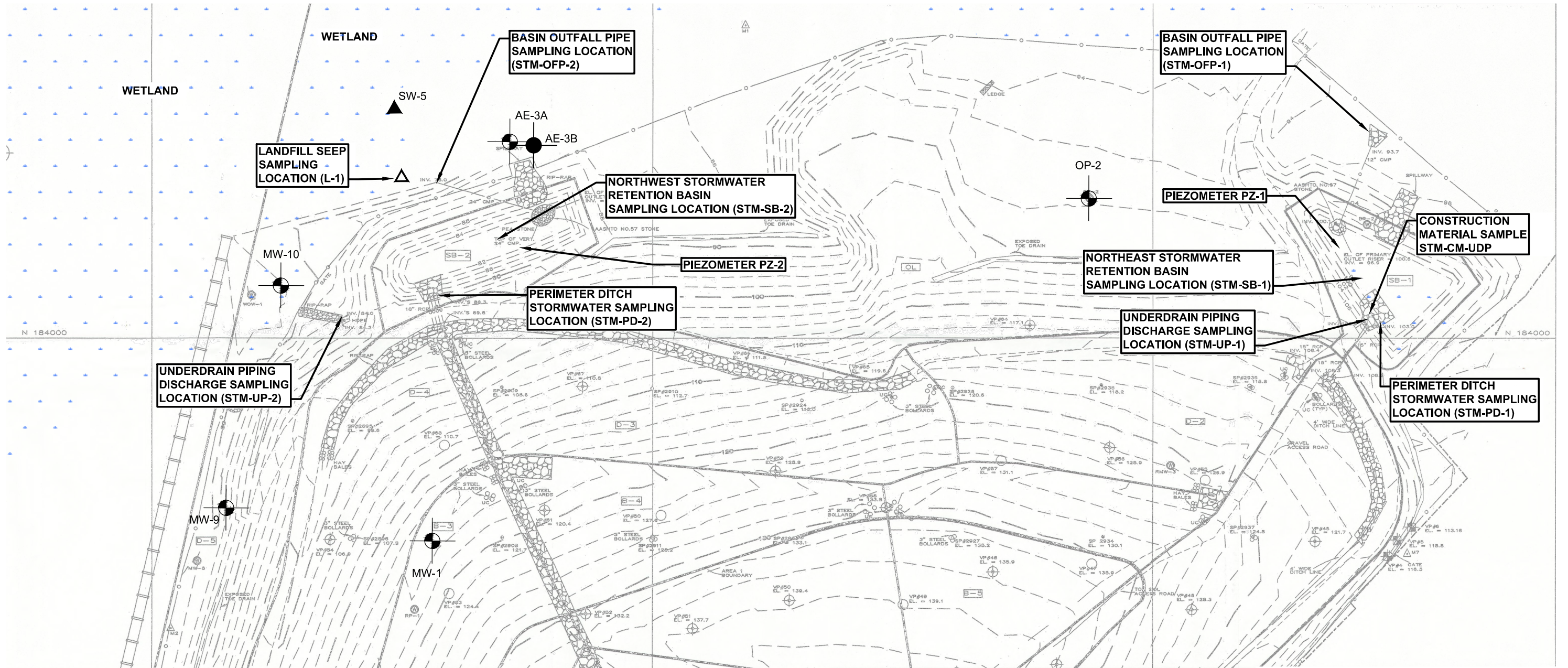
SCALE	1"=500'
DATE	2019-06-25
DRAWN BY	BLQ
CHECKED BY	CB
DESIGNED BY	BLQ
APPROVED BY	CB
JOB NUMBER	10424.002
DRAWING NUMBER	

C101

CES INC
Engineers • Environmental Scientists • Surveyors

Project Manager	David J. Smith	Project Engineer	David J. Smith
Senior Engineer	David J. Smith	Senior Engineer	David J. Smith
Engineer	David J. Smith	Engineer	David J. Smith
Surveyor	David J. Smith	Surveyor	David J. Smith
GIS Specialist	David J. Smith	GIS Specialist	David J. Smith
Environmental Scientist	David J. Smith	Environmental Scientist	David J. Smith
Regulatory Affairs	David J. Smith	Regulatory Affairs	David J. Smith
Quality Control	David J. Smith	Quality Control	David J. Smith
Administrative	David J. Smith	Administrative	David J. Smith
Client Relations	David J. Smith	Client Relations	David J. Smith



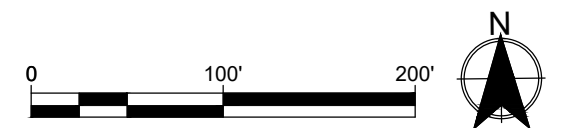


LEGEND

	L-1	LEACHATE SAMPLING LOCATION
	WELL ID	OVERBURDEN MONITORING WELL
	WELL ID	BEDROCK MONITORING WELL
	SW-5	SURFACE WATER SAMPLING LOCATION

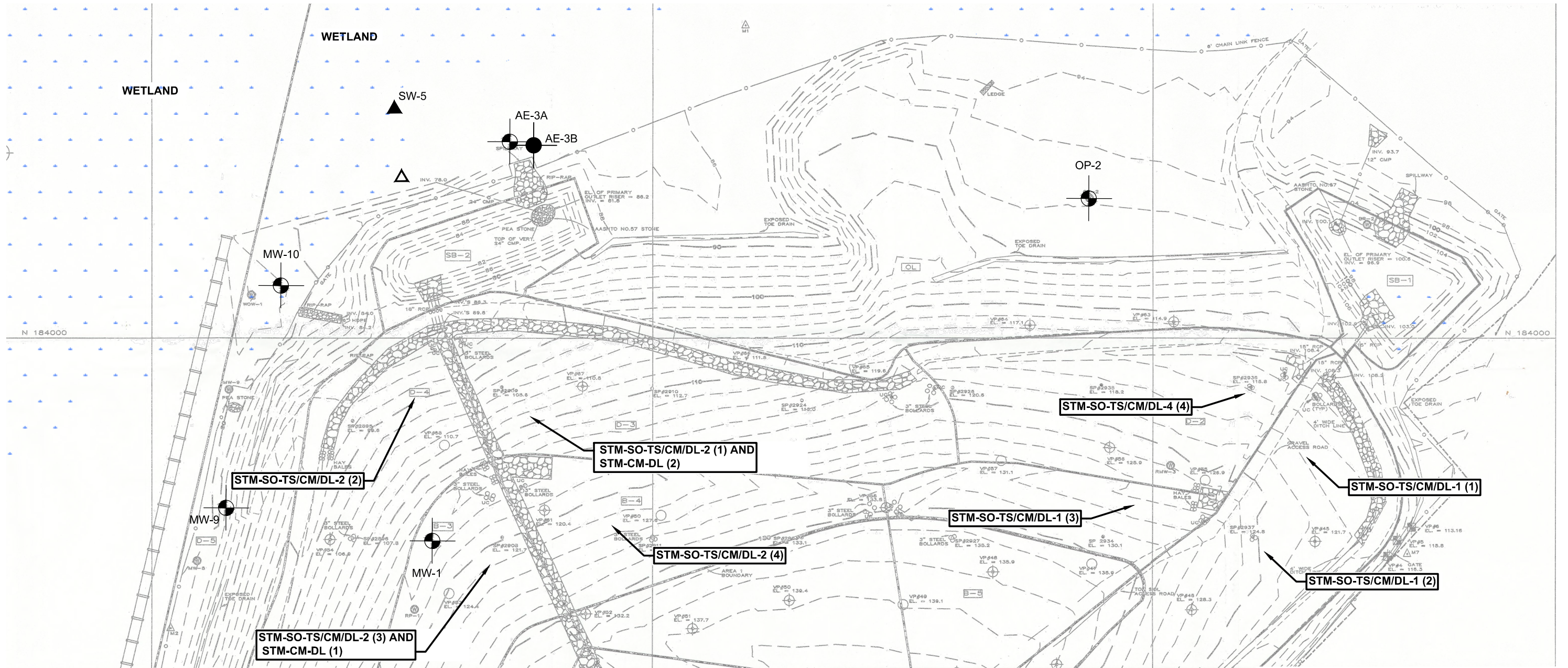
PLAN REFERENCE

EXISTING CONDITIONS BASEMAP FROM PLAN TITLED
"AS-BUILT SURVEY OF THE COAKLEY LANDFILL, BREAKFAST
HILL ROAD, NORTH HAMPTON, N.H.", PREPARED BY RICHARD
D. BARTLESS & ASSOCIATES, INC. AND DATED SEPT. 23, 1998.



PROJECT TITLE:	COAKLEY LANDFILL SUPERFUND SITE NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE	DWG:	FIGURE 1	BY:	BLQ	REV:	WEH	DESCRIPTION:	FOR REVIEW
SHEET TITLE:	STORMWATER SAMPLE LOCATIONS	JN:	10424.020	DATE:	2018-09-05	REV DATE:	2019-02-01	DESCRIPTION:	NOT FOR CONSTRUCTION
		SCALE:	1"=100'	APPROVED BY:	CB	ISSUE:			
				CHECKED BY:	CB	ISSUE DATE:			





LEGEND

L-1

WELL ID

WELL ID

SW-5

LEACHATE SAMPLING LOCATION

OVERBURDEN MONITORING WELL

BEDROCK MONITORING WELL

SURFACE WATER SAMPLING LOCATION

STM-SO-TS

STM-SO-CM

STM-SO-DL

STM-CM-DL

STM-CM-DL-1

STM-CM-DL-2

STM-CM-DL-3

STM-CM-DL-4

SOIL SAMPLE - TOP SOIL (VEGETATIVE LAYER)

SOIL SAMPLE - COMMON BORROW (FROST PREVENTION LAYER)

SOIL SAMPLE - SAND DRAINAGE LAYER

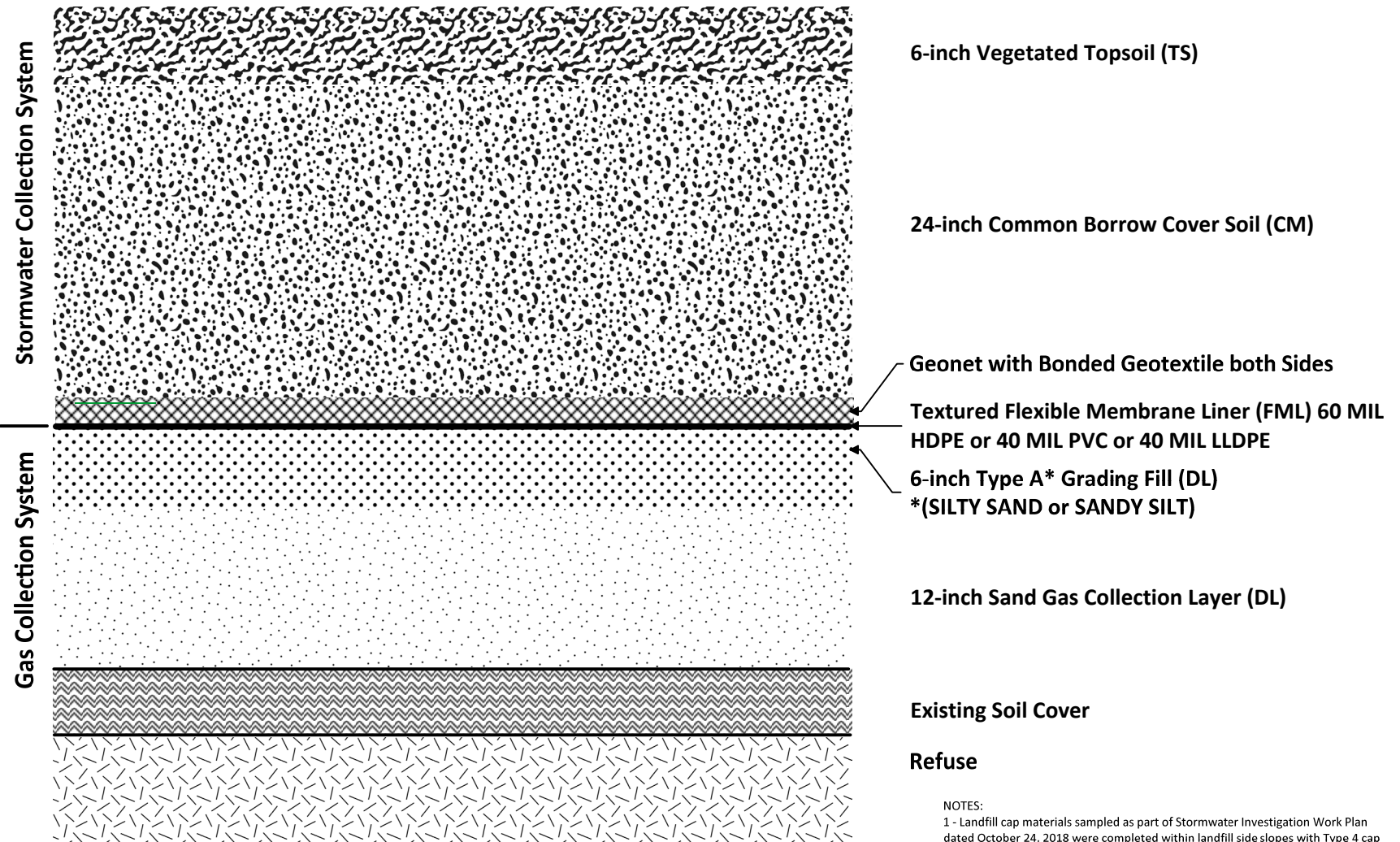
CONSTRUCTION MATERIAL SAMPLE - UNDER DRAIN PIPE

CONSTRUCTION MATERIAL SAMPLE - GEOTEXTILE FABRIC

PLAN REFERENCE

EXISTING CONDITIONS BASEMAP FROM PLAN TITLED "AS-BUILT SURVEY OF THE COAKLEY LANDFILL, BREAKFAST HILL ROAD, NORTH HAMPTON, N.H.", PREPARED BY RICHARD D. BARTLESS & ASSOCIATES, INC. AND DATED SEPT. 23, 1998.

PROJECT TITLE:	COAKLEY LANDFILL SUPERFUND SITE NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE	DWG: FIGURE 2	BY: BLQ	REV: WEH	DESCRIPTION: FOR REVIEW	<div>CESINC</div> <div>Engineers • Environmental Scientists • Surveyors</div>	
SHEET TITLE:	COVER SYSTEM SAMPLE LOCATIONS	JN: 10424.020	DATE: 2018-09-05	REV DATE: 2019-02-01	DESCRIPTION: NOT FOR CONSTRUCTION		
		SCALE: 1"=100'	CHECKED BY: CB	ISSUE DATE:			



NOTES:
 1 - Landfill cap materials sampled as part of Stormwater Investigation Work Plan dated October 24, 2018 were completed within landfill side slopes with Type 4 cap details within Area 2 portions of the landfill having >5% to >20% slopes.
 2 - Details referenced from Coakley Landfill 100% Remedial Design Report - Drawing 5-5 "Cap Layout and Cap Sections".
 3 - *Sample STM-CM-UDP was collected from an exposed section of underdrain piping at the discharge point located west of stormwater control basin SB-2.

PROJECT TITLE:	COAKLEY LANDFILL SUPERFUND SITE NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE	DWG:	1 OF 1	BY:	CFB
				DATE:	2019-02-19
SHEET TITLE:	LANDFILL SIDE SLOPE CAP DETAILS - TYPE 4 CAP TYPE	JN:	10424.020	REV:	
		SCALE:	AS SHOWN	REV DATE:	



NW Stormwater Basin

PFOA 1,160 ppt

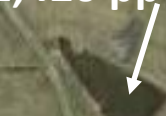
PFOS 1,460 ppt



NE Stormwater Basin

PFOA 1,290 ppt

PFOS 1,420 ppt



NW Stormwater Underdrain

PFOA 2,480 ppt

PFOS 3,390 ppt



NE Stormwater Underdrain

PFOA 2,230 ppt

PFOS 2,110 ppt



Coakley Landfill



Rumbletree

Coastal Enginuity



North Hill Nursery



Max BMW Motorcycles



Lafayette Rd

Landfill Cap Cross-Section

