4/16/2011

LEGEND

- ELECTRICAL MANHOLE
- ELECTRICAL HANDHOLD
- WATER MANHOLE WITH CONCRETE PAD
- WATER MANHOLE WITH CONCRETE PAD
- DRAINAGE MANHOLE
- EXISTING GROUND SURFACE CONTOUR 1 FOOT INTERVAL
- CATCH BASIN
- FIRE HYDRANT
- LIGHT POLE
- ELECTRICAL POLE
- BUILDING
- CLEAN OUT
- PROPERTY LINE
- CHAIN LINK FENCE
- SIGN
- TREE WITH DIAMETER
- VERTICAL GRANITE CURB / VERTICAL CONCRETE CURB
- TELEPHONE MANHOLE
- EDGE OF PAVEMENT
- HANDICAP RAMP
- ELECTRICAL LINE
- SEWER LINE
- DRAIN LINE
- FLOW DIRECTION PIPE DIAMETER/TYPE METAL PIPE CLAY PIPE REINFORCED CONCRETE PIPE
- COMMUNICATION LINE
- OVERHEAD WIRE
- GAS LINE IF INDICATED, HIGH PRESSURE GAS LINE WITH DIAMETER
- RIM ELEVATION INVERT ELEVATION SUMP ELEVATION
- TELEPHONE LINE
- WATER LINE
- FIRE SERVICE LINE WITH DIAMETER MANHOLE/CURB INLET
- CONCRETE PLANTERS WITH PLANT
- CONCRETE PLANTER

NOTES

1. BASE MAP PROVIDED BY LAND PLANNING, INC., 115 MAIN STREET, HANSON, MA, DATED DECEMBER 22, 2008.
2. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. ANY EXCAVATION WORK REQUIRES THE NOTIFICATION OF DIGSAFE (1-888-344-7233) AND OTHER MEANS OF FIELD LOCATION FOR AREAS BEYOND THE SCOPE OF DIGSAFE.
3. THE EXCAVATION AREAS SHOWN ARE APPROXIMATE AND REFLECT THE MODELING OF SUBSURFACE CONDITIONS AS OF DECEMBER 2009. AREAS AND/OR LOCATIONS OF EXCAVATION MAY CHANGE.
4. PORTION OF PROPERTY IN SOUTHEASTERN CORNER (NOT SHOWN) HAS BEEN DETERMINED TO NOT REQUIRE REMEDIAL ACTION AT THIS TIME.

GRAPHIC SCALE

60' 0 30' 60' 120'

1"=60'

SE-5

WIND

WZ-T1 SS-36

VW-T1

DW-T1

MAP 70 LOT 1
MAP 75 LOT 12
MAP 69 LOTS 345 & 480

PARKING LOT
HOUSE #4
HOUSE #3
HOUSE #2
HOUSE #1
COVERED BUS STOP
TENNIS COURTS
VOLLEYBALL COURTS
PLAYFIELD
BIT. CONC. WALK
CREATIVE ARTS
HIGH SCHOOL
BOY'S GYM
ROGNOC CENTER INSTRUCTIONAL MATERIALS FOOD SERVICE
NEW BEDFORD HIGH SCHOOL 0621
BLDG.
PARKER STREET
HATHAWAY BOULEVARD
N 82°24'00" E 393.7'
N 82°25'56" E 206.6'
N 07°34'04" W 1670.2'
S 25°26'30" E 181.7'
M: 75 L: 0 COMMONWEALTH OF MASSACHUSETTS 7125/689

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: _____ SIGNATURE

MA PROFESSIONAL ENGINEER: LIC. # 40110

Prepared by: TRC

Prepared for: The City of New Bedford Massachusetts

REV	DATE	BY	DESCRIPTION
1	1-03-11	A.H.	RAM PLAN DESIGN DRAFT SUBMITTAL
0	12-13-10	A.H.	CONCEPTUAL DESIGN SUBMITTAL

DESIGN SUPERVISOR: D.T. / A.C.H.
PROJECT ENGINEER: M.P. / A.C.H.

DRAWING TITLE: EXISTING CONDITIONS

ESTIMATED D.F. | DRAWN BY A.C.H. | CHECKED BY D.T. | PROJECT ENGINEER A.C.H. | SHEET DATE JUN. 2009 | SUPERVISION D.T.

PROJECT TITLE: RAM PLAN DESIGN - DRAFT NBHS EXTERIOR REMEDY

SCALE: 1" = 60'

PREPARED FOR: City of New Bedford, 133 WILLIAM STREET, NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO. C-100 (1)

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/16/2011

Weather: ~~Southwind~~, 40°, Cloudy **Page:** 1 of 1

Location (circle): (NBHS) Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	~~23423~~ 23319	1	start: ~~1125~~ 1150	0.005	0.003	0.009	UNOTworking (get new unit)
Workzone	85200315	1	start: 1118	0.014	0.005	0.306	SS-36 START
Nearby Receptor	~~23~~		start:				spked during start up not due to dust.
Downwind	85201691	1	start: 1120	0.013	0.006	0.423	
Upwind			1240	0.006	0.003	0.011	SS-36
Workzone				0.011	0.005	0.306	
Nearby Receptor							
Downwind				0.011	0.006	0.423	
Upwind			1315	0.006	0.003	0.018	SS-36
Workzone				0.012	0.005	0.306	
Nearby Receptor				0			
Downwind				0.012	0.006	0.423	
Upwind			1405	0.007	0.003	0.016	PID = 0.0
Workzone				0.012	0.005	0.306	SS-36
Nearby Receptor							
Downwind				0.013	0.006	0.423	
Upwind			1540	0.009	0.003	0.026	SS-36
Workzone				0.013	0.005	0.306	
Nearby Receptor							
Downwind				0.014	0.006	0.423	
Upwind			1645	0.009	0.003	0.032	SS-36 Wind picking up
Workzone				0.013	0.005	0.306	PID: 0.2
Nearby Receptor							
Downwind				0.015	0.006	0.423	
Upwind			1820	0.011	0.003	0.038	END
Workzone				0.013	0.005	0.306	
Nearby Receptor							
Downwind				0.016	0.006	0.423	
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

WIND 7 SE ESE

4/16/11

LEGEND

- ELECTRICAL MANHOLE
- ELECTRICAL HANDHOLD
- WATER MANHOLE WITH CONCRETE PAD
- WATER MANHOLE WITH CONCRETE PAD
- DRAINAGE MANHOLE
- EXISTING GROUND SURFACE CONTOUR 1 FOOT INTERVAL
- CATCH BASIN
- FIRE HYDRANT
- LIGHT POLE
- ELECTRICAL POLE
- BUILDING
- CLEAN OUT
- PROPERTY LINE
- CHAIN LINK FENCE
- SIGN
- TREE WITH DIAMETER
- VERTICAL GRANITE CURB / VERTICAL CONCRETE CURB
- TELEPHONE MANHOLE
- EDGE OF PAVEMENT
- HANDICAP RAMP
- ELECTRICAL LINE
- SEWER LINE
- DRAIN LINE
- FLOW DIRECTION PIPE DIAMETER/TYPE
- METAL PIPE / CLAY PIPE / REINFORCED CONCRETE PIPE
- COMMUNICATION LINE
- OVERHEAD WIRE
- GAS LINE IF INDICATED, HIGH PRESSURE GAS LINE WITH DIAMETER
- RIM ELEVATION / INVERT ELEVATION / SUMP ELEVATION
- TELEPHONE LINE
- WATER LINE
- FIRE SERVICE LINE WITH DIAMETER
- MANHOLE/CURB INLET
- CONCRETE PLANTERS WITH PLANT
- CONCRETE PLANTER

NOTES

1. BASE MAP PROVIDED BY LAND PLANNING, INC., 173 MAIN STREET, HANSON, MA, DATED DECEMBER 22, 2008.
2. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. ANY EXCAVATION WORK REQUIRES THE NOTIFICATION OF DIGSAFE (1-888-344-7233) AND OTHER MEANS OF FIELD LOCATION FOR AREAS BEYOND THE SCOPE OF DIGSAFE.
3. THE EXCAVATION AREAS SHOWN ARE APPROXIMATE AND REFLECT THE MODELING OF SUBSURFACE CONDITIONS AS OF DECEMBER 2008. AREAS AND/OR LOCATIONS OF EXCAVATION MAY CHANGE.
4. PORTION OF PROPERTY IN SOUTHEASTERN CORNER (NOT SHOWN) HAS BEEN DETERMINED TO NOT REQUIRE REMEDIAL ACTION AT THIS TIME.

GRAPHIC SCALE

30' 0 30' 60' 120'

1"=60'

XCAV

WELK

UPWIND

DOWN

MAP 70 LOT 1
MAP 75 LOT 12
MAP 69 LOTS 345 & 480

PARKING LOT

HOUSE #4

HOUSE #3

HOUSE #2

HOUSE #1

COVERED BUS STOP

DODGE CENTER INSTRUCTIONAL WORKSHOPS FOOD SERVICE

PLAYFIELD

TENNIS COURTS

VOLLEYBALL COURTS

CREATIVE ARTS

HIGH SCHOOL

BLDG

PARKER STREET

HATHAWAY BOULEVARD

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: _____ SIGNATURE _____

MA PROFESSIONAL ENGINEER:

LIC. # _____

Prepared by:

TRC

Prepared for:

The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION	DESIGN SUPERVISOR	PROJECT ENGINEER
1	1-05-11	A.H.	RAM PLAN DESIGN DRAFT SUBMITTAL	D.T.	A.C.H.
0	12-03-10	A.H.	CONCEPTUAL DESIGN SUBMITTAL	M.P.	A.C.H.

DRAWING TITLE: EXISTING CONDITIONS

DESIGNED D.F. | DRAWN A.C.H. | CHECKED D.T. | PROJECT ENGINEER A.C.H. | ISSUE DATE JUN. 2009 | SUPERVISOR D.T.

PROJECT TITLE: RAM PLAN DESIGN - DRAFT
NBHS
EXTERIOR REMEDY

SCALE: 1" = 60'

PREPARED FOR: City of New Bedford
133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO. C-100

1

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/16/2011

Weather: 45° WIND 8-15 SE PC-OVERCAST **Page:** of

Location (circle): NBHS Shawmut Street

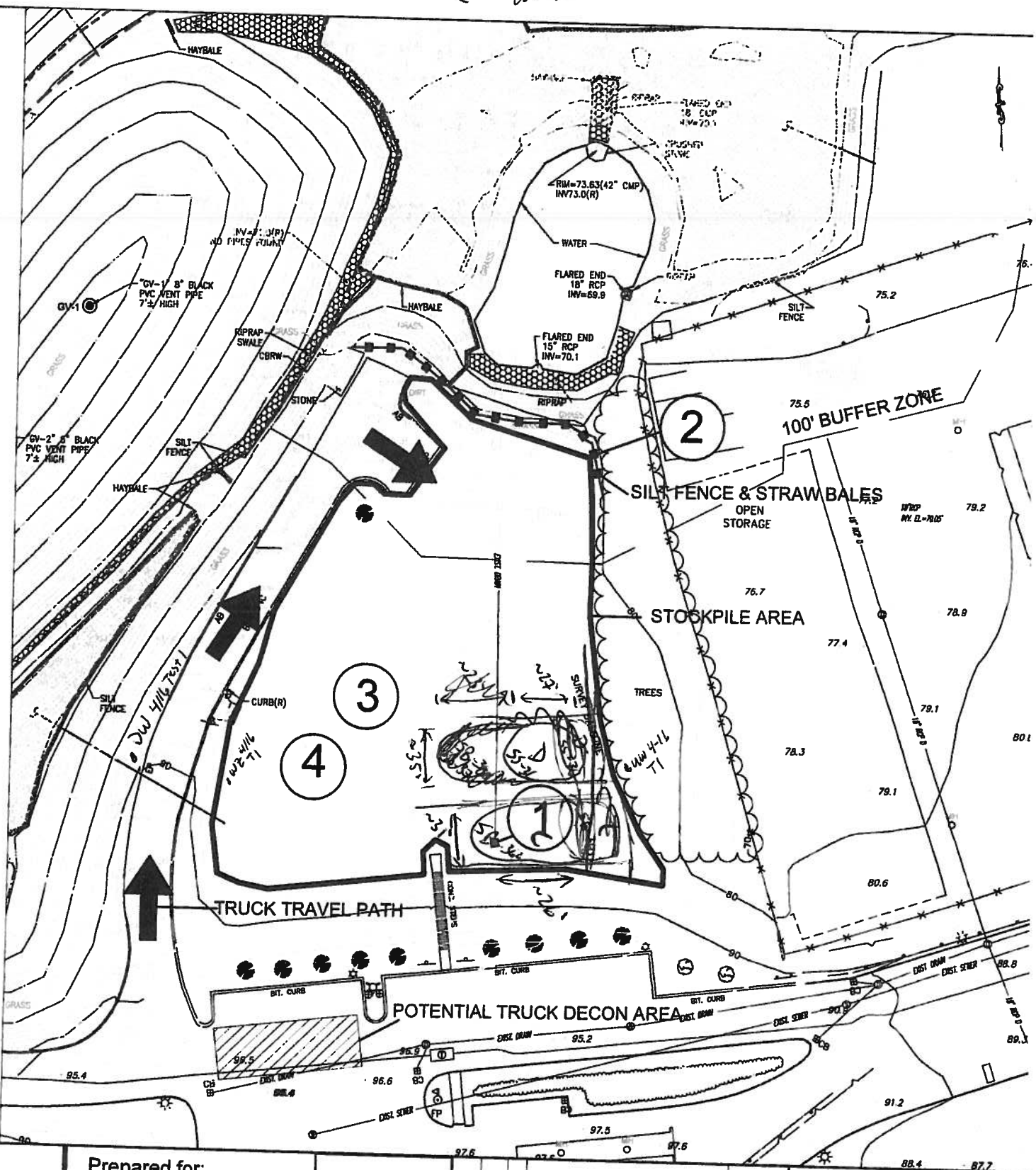
Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	2421	1	start: 11:25	0 NA	0.006	0.023	
Workzone	0998	1	start: 11:30	0	-0.002	0.025	PID 0
Nearby Receptor			start:				
Downwind	2716	3	start: 11:35		0.006	0.031	
Upwind	2421	1	12:00	0.012	0.006	0.082	
Workzone	0998	1	12:03	0.001	-0.003	0.030	PID 0
Nearby Receptor			12:05				
Downwind	2716	3	12:08	0.016	0.006	0.042	
Upwind	2421	1	13:05	0.013	0.006	0.123	DUST SPIKES FROM ROAD TRAFFIC
Workzone	0998	1	13:07	0.001	-0.003	0.030	PID 0.5-0.8
Nearby Receptor							
Downwind	2716	3	13:12	0.015	0.004	0.074	
Upwind	2421	1	13:50	0.014	0.006	0.160	DUST FROM ROAD TRAFFIC
Workzone	0998	1	13:52	0.001	-0.003	0.030	PID 0.3
Nearby Receptor							
Downwind	2716	3	13:55	0.014	0.000	0.074	
Upwind	2421	1	14:15	0.015	0.006	0.160	
Workzone	0998	1	14:18	0.001	-0.003	0.030	PID 1.5-2.5 EXHAUST EXCAVATOR.
Nearby Receptor							
Downwind	2716	3	14:25	0.012	0.000	0.074	
Upwind	2421	1	15:05	0.016	0.006	0.160	
Workzone	0998	1	15:08	0.001	-0.003	0.030	PID 2.3-2.8 EXHAUST.
Nearby Receptor							
Downwind	2716	3	15:10	0.012	0.000	0.079	
Upwind	2421	1	16:25	0.018	0.004	0.165	DUST FROM ROAD TRAFFIC
Workzone	0998	1	16:28	0.002	-0.003	0.030	PID HUMIDITY INTERFERENCE 8 ppm
Nearby Receptor							
Downwind	2716	3	16:30	0.011	0.0	0.79	
Upwind	2421	1	17:15	0.019	0.006	0.165	
Workzone	0998	1	17:18	0.002	-0.003	0.030	PID HUMIDITY INTERFERENCE 9 ppm
Nearby Receptor							
Downwind	2716	3	17:20	0.011	0.0	0.167	
Upwind	2421	1	18:25	0.021	0.004	0.512	DUST SPIKES FROM CLEAN BACKFILL
Workzone	0998	1	18:28	0.002	-0.003	0.030	PID HUMIDITY INTERFERENCE, 9ppm
Nearby Receptor							
Downwind	2716	3	18:30	0.010	-0.003	0.167	DUST SPIKES FROM CLEAN BACKFILL

NOTES: * - All units in mg/m^3

/

4 4/16/2011

← Wind direction



Prepared for:

The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION
1	2-24-11	A.H.	ISSUE FOR CONSTRUCTION
0	2-16-11	A.H.	90% DRAFT DESIGN SUBMITTAL

DESIGN SUPERVISOR: D.T. / A.H.
PROJECT ENGINEER: D.T. / A.H.

DRAWING TITLE: OFFSITE TEMPORARY SOIL STORAGE AREA

DRAWN: A.H. | DESIGN BY: A.C.H. | CHECKED BY: D.T. | DATE: FEB. 2011 | SUPERVISION: D.T.

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058)
Date: 4/16/2011
Weather: 40s, partly cloudy, strong E→W wind
Page: 1 of 1
Location (circle): NBHS / Shawmut Street

Transfer Station

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	8540724	1	start: 1205				
Workzone	3252	1	start: 1159				
Nearby Receptor			start:				
Downwind	22259	1	start: 1158				
Upwind				0.009	0.006	0.026	
Workzone			1241	0.017	0.007	0.225	
Nearby Receptor							
Downwind			1242	0.031	0.007	0.834	
Upwind			1335	0.011	0.006	0.029	
Workzone			1336	0.018	0.007	0.657	
Nearby Receptor							
Downwind			1337	0.037	0.007	1.10	Due to street sweeper (maximum dust)
Upwind			1427	0.012	0.006	0.029	
Workzone			1428	0.022	0.007	1.13	
Nearby Receptor				~~0.022~~	~~0.007~~	~~1.13~~	
Downwind			1429	0.039	0.007	1.10	
Upwind			1536	0.013	0.006	0.042	
Workzone			1535	0.025	0.007	1.13	
Nearby Receptor							
Downwind			1534	0.044	0.007	1.31	
Upwind			1634	0.014	0.006	0.042	
Workzone			1631	0.026	0.007	1.13	
Nearby Receptor							
Downwind			1630	0.045	0.007	1.31	
Upwind			1732	0.015	0.006	0.042	
Workzone			1737	0.026	0.007	1.13	
Nearby Receptor							
Downwind			1735	0.042	0.007	1.35	
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

4/17/2011

WIND 35-3

LEGEND

ELEC MH	ELECTRICAL MANHOLE	CLEAN OUT	ELECTRICAL LINE
ELEC HH	ELECTRICAL HANDHOLD	PROPERTY LINE	SEWER LINE
WAT MH	WATER MANHOLE WITH CONCRETE PAD	CHAIN LINK FENCE	DRAIN LINE
WAT MH	WATER MANHOLE WITH CONCRETE PAD	SIGN	FLOW DIRECTION PIPE DIAMETER/TYPE METAL PIPE CLAY PIPE REINFORCED CONCRETE PIPE
DRAIN MH	DRAINAGE MANHOLE	TREE WITH DIAMETER	COMMUNICATION LINE
100	EXISTING GROUND SURFACE CONTOUR 1 FOOT INTERVAL	VERTICAL GRANITE CURB VERTICAL CONCRETE CURB	OVERHEAD WIRE GAS LINE IF INDICATED, HIGH PRESSURE GAS LINE WITH DIAMETER
CB	CATCH BASIN	TELEPHONE MANHOLE	R=83.3 I=83.1 S=81.6 RIM ELEVATION INVERT ELEVATION SUMP ELEVATION
	FIRE HYDRANT	EDGE OF PAVEMENT	TELEPHONE LINE
	LIGHT POLE		WATER LINE
	ELECTRICAL POLE	HANDICAP RAMP	FIRE SERVICE LINE WITH DIAMETER
	BUILDING		MANHOLE/CURB INLET
			CONCRETE PLANTERS WITH PLANT
			CONCRETE PLANTER

NOTES

1. BASE MAP PROVIDED BY LAIDD PLANNING, INC., 115 MAIN STREET, HANSON, MA, DATED DECEMBER 22, 2008.
2. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. ANY EXCAVATION WORK REQUIRES THE NOTIFICATION OF DIGSAFE (1-888-344-7233) AND OTHER MEANS OF FIELD LOCATION FOR AREAS BEYOND THE SCOPE OF DIGSAFE.
3. THE EXCAVATION AREAS SHOWN ARE APPROXIMATE AND REFLECT THE MODELING OF SUBSURFACE CONDITIONS AS OF DECEMBER 2009. AREAS AND/OR LOCATIONS OF EXCAVATION MAY CHANGE.
4. PORTION OF PROPERTY IN SOUTHEASTERN CORNER (NOT SHOWN) HAS BEEN DETERMINED TO NOT REQUIRE REMEDIAL ACTION AT THIS TIME.

GRAPHIC SCALE

60' 0 30' 60' 120'

1"=60'

MAP 70 LOT 1
MAP 75 LOT 12
MAP 69 LOTS 345 & 480

PARKER STREET

HATHAWAY BOULEVARD

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: _____ SIGNATURE

MA PROFESSIONAL ENGINEER:

LIC. # _____

Prepared by: TRC

Prepared for:

The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION	
1	1-25-11	A.H.	RAM PLAN DESIGN DRAFT SUBMITTAL	D.T. A.C.H.
0	12-13-09	A.H.	CONCEPTUAL DESIGN SUBMITTAL	M.P. A.C.H.

DESIGN SUPERVISOR: D.T.
PROJECT ENGINEER: A.C.H.

DRAWING TITLE: EXISTING CONDITIONS

ESTIMATED: D.F. DRAWN BY: A.C.H. CHECKED BY: D.T. PROJECT ENGINEER: A.C.H.
START DATE: JUN. 2009 SUPERVISOR: D.T.

PROJECT TITLE: RAM PLAN DESIGN - DRAFT
NBHS
EXTERIOR REMEDY

SCALE: 1" = 60'

PREPARED FOR: City of New Bedford
133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO.: C-100 1

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/17/2011

Weather: 60°; Sunny, Breezy W-SW **Page:** 1 of

Location (circle): (NBHS) Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	23319	1	start: 1105	0.016	0.012	0.079	SB-270
Workzone	85201691	1	start: 1108	0.014	0.009	0.087	
Nearby Receptor			start:				
Downwind	85200315	1	start: 1111	0.013	0.008	0.064	
Upwind			1250	0.016	0.012	0.079	
Workzone				0.015	0.0016	0.288	AIR ~~HAMMER~~ Knife caused short spike.
Nearby Receptor							
Downwind				0.015	0.008	1.13	
Upwind			1400	0.014	0.010	0.079	Moved WZ east @ 1334 may have spike.
Workzone							
Nearby Receptor				0.017*	0.006*	0.288*	
Downwind				0.014	0.004	1.13	
Upwind			1455	0.015	0.010	0.205	Spike from road dust and increasing winds.
Workzone				0.017	0.006	0.288	
Nearby Receptor							
Downwind				0.013	0.004	1.13	
Upwind			1630	0.015	0.010	0.205	Spike from clean material drying on road.
Workzone				0.018	0.006	0.430	
Nearby Receptor							
Downwind				0.014	0.004	1.13	
Upwind			1705	0.015	0.010	0.205	END
Workzone				0.019	0.005	0.430	
Nearby Receptor							
Downwind				0.014	0.004	1.13	
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

LEGEND

- ELECTRICAL MANHOLE
- ELECTRICAL HANDHOLD
- WATER MANHOLE WITH CONCRETE PAD
- WATER MANHOLE WITH CONCRETE PAD
- DRAINAGE MANHOLE
- EXISTING GROUND SURFACE CONTOUR 1 FOOT INTERVAL
- CATCH BASIN
- FIRE HYDRANT
- LIGHT POLE
- ELECTRICAL POLE
- BUILDING
- CLEAN OUT
- PROPERTY LINE
- CHAIN LINK FENCE
- SIGN
- TREE WITH DIAMETER
- VERTICAL GRANITE CURB VERTICAL CONCRETE CURB
- TELEPHONE MANHOLE
- EDGE OF PAVEMENT
- HANDICAP RAMP
- ELECTRICAL LINE
- SEWER LINE
- DRAIN LINE
- FLOW DIRECTION PIPE DIAMETER/TYPE
- METAL PIPE CLAY PIPE REINFORCED CONCRETE PIPE
- COMMUNICATION LINE
- OVERHEAD WIRE
- GAS LINE IF INDICATED, HIGH PRESSURE GAS LINE WITH DIAMETER
- RIM ELEVATION INVERT ELEVATION SUMP ELEVATION
- TELEPHONE LINE
- WATER LINE
- FIRE SERVICE LINE WITH DIAMETER
- MANHOLE/CURB INLET

GRAPHIC SCALE

60' 0 30' 60' 120'

1"=60'

AREAS TO BE EXCAVATED

SEE SHEET C-101C SB-360

SEE SHEET C-101B SS-36

SEE SHEET C-101A SS-32

SEE SHEET C-101A SB-270

SEE SHEET C-101C SB-308

SEE SHEET C-101A HJ-42

SEE SHEET C-101A HF-40

SEE SHEET C-101A HE-44 & HF-43

HB-39 & HB-40 SEE SHEET C-101B

AREAS TO BE EXCAVATED

HB-23 & HC-22 SEE SHEET C-101B

AREA ALREADY EXCAVATED

SEE SHEET C-101B HA-19

AREAS TO BE EXCAVATED

HD-19 & HD-20 & HD -21

SEE SHEET C-101B HH-13

SEE SHEET C-101B HF-14

SEE SHEET C-101A

MAP 70 LOT 1
MAP 75 LOT 12
MAP 69 LOTS 345 & 480

HIGH SCHOOL

CREATIVE ARTS

BOY'S GYM

GIRL'S GYM

SCIENCE CENTER INSTRUCTIONAL MATERIALS FOOD SERVICE

HOUSE #1

HOUSE #2

HOUSE #3

HOUSE #4

TENNIS COURTS

VOLLEYBALL COURTS

PLAYFIELD

PARKING LOT

BLDG.

HATHAWAY BOULEVARD

PARKER STREET

N 65°24'00" E 383.7'

S 28°16'50" E 1811.7'

S 61°43'04" W 1670.2'

S 28°16'50" E 1203.9'

COMMONWEAL TH OF MASSACHUSETTS M- 75 L- 8 7125/559

N 9°02'31" E 3.90'

RAMP

Downward

Work Extent

Upward

Wind WSW

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: _____ SIGNATURE

MA PROFESSIONAL ENGINEER:

LIC. #

Prepared by: TRC

Prepared for:

The City of New Bedford Massachusetts

REV	DATE	BY	DESCRIPTION
1	1-19-11	A.H.	ISSUE FOR CONSTRUCTION
0	2-24-11	A.H.	90% DRAFT SUBMITTAL

DESIGN SUPERVISOR: D.T.
PROJECT ENGINEER: A.H.

DRAWING TITLE: SPOT EXCAVATION OVERVIEW

INITIATED D.T. | DRAWN BY A.H. | CHECKED BY D.T. | PROJECT ENGINEER A.H.
START DATE FEB. 2011 | SUPERVISOR D.T.

PROJECT TITLE: NBHS ISSUE FOR CONSTRUCTION REMEDIAL SPOT EXCAVATIONS & OFFSITE TEMPORARY STORAGE

SCALE: 1" = 60'

PREPARED FOR: City of New Bedford
133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO. C-101 | 1

4/17/11

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/17/2011

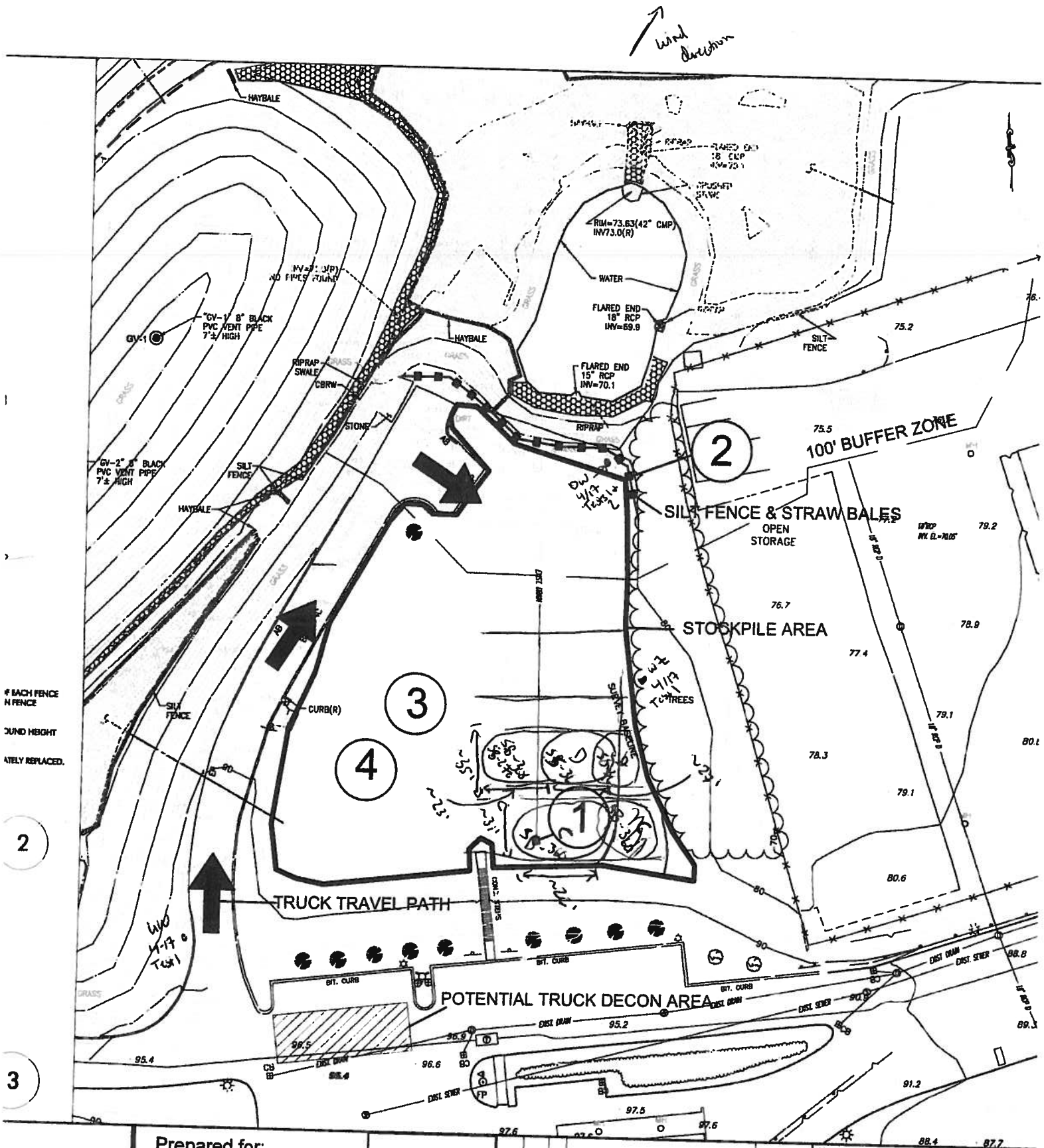
Weather: CLEAR SUNNY 60° WSW 6-18 MPH **Page:** 1 of 1

Location (circle): (NBHS) Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	2421	1	start: 11:10	0	-0.008	0.005	
Workzone	0998	1	start: 11:12	0	-0.002	0.008	PID 0
Nearby Receptor			start:				
Downwind	2716	1	start: 11:17	0	-0.010		
Upwind	2421	1	11:40	-0.001	-0.010	0.006	
Workzone	0998	1	11:42	0.013	-0.002	0.068	PID - 0
Nearby Receptor							
Downwind	2716	1	11:45	0.005	-0.017	0.052	
Upwind	2421	1	12:40	-0.001	-0.010	0.030	
Workzone	0998	1	12:42	0.011	-0.006	0.068	PID - 0
Nearby Receptor							
Downwind	2716	1	12:45	0.024	-0.017	0.115	PARKING LOT DUST SPIKES TRUCK TRAFFIC
Upwind	2421	1	13:30	-0.001	-0.010	0.030	
Workzone	0998	1	13:32	0.015	-0.006	2.15 AL*	PID @ AL.* BUMPED OMN. DIRECTIONAL
Nearby Receptor							
Downwind	2716	1	13:35	0.033	-0.017	0.115	
Upwind	2421	1	14:20	-0.001	-0.025	0.030	
Workzone	0998	1	14:23	0.014	-0.006	2.15 AL*	@ PID
Nearby Receptor							
Downwind	2716	1	14:25	0.037	-0.017	0.115	
Upwind	2421	1	15:30	-0.001	-0.025	0.030	
Workzone	0998	1	15:33	0.014	-0.006	2.15 *	PID 0
Nearby Receptor							
Downwind	2716	1	15:35	0.042	-0.017	0.115	
Upwind	2421	1	16:30	-0.001	-0.025	0.030	
Workzone	0998	1	16:33	0.015	-0.006	2.15 AL*	
Nearby Receptor							
Downwind	2716	1	16:35	0.046	-0.017	0.160	BACKFILL DUST SPIKES
Upwind	2421	1	17:10	-0.001	-0.025	0.030	T.OP. 6:01
Workzone	0998	1	17:15	0.018	-0.006	2.22	BACKFILL * PARKING LOT DUST SPIKES. T. OP. 6:0
Nearby Receptor							PID @ PPMV.
Downwind	2716	1	17:20	0.049	-0.017	0.506	BACKFILL * PARKING LOT DUST T.OP 5:53
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

4/17/2011



Prepared for:

The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION
1	[illegible]	A.H.	ISSUE FOR CONSTRUCTION
0	[illegible]	A.H.	90% DRAFT DESIGN SUBMITTAL

DESIGN SUPERVISOR: D.T.
PROJECT ENGINEER: A.H.

DRAWING TITLE: OFFSITE TEMPORARY SOIL STORAGE AREA

DESIGNER: A.H. | DRAWN BY: A.C.H. | CHECKED BY: D.T. | DATE: FEB. 2011 | SUPERVISED: D.T.

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/17/2011 Transfer Station

Weather: low 60s, partly cloudy, wind from SW → NE **Page:** 1 of 1

Location (circle): NBHS (Shawmut Street)

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	35200724	1	start: 1134				
Workzone	85203252	1	start: 1142				
Nearby Receptor			start:				
Downwind	22259		start: 1139				
Upwind			1255	0.010	0.003	0.031	
Workzone			1302	0.012	0.004	0.084	
Nearby Receptor							
Downwind			1300	0.015	0.010	0.109	DT blew over into puddle @ 1313 - will dry & reclapley
Upwind			1353	0.009	0.003	0.031	
Workzone			1351	0.012	0.007	0.084	
Nearby Receptor							
Downwind		2	1350	0.014	0.004	0.055	
Upwind			1506	0.008	0.003	0.031	
Workzone			1511	0.012	0.007	0.096	
Nearby Receptor							
Downwind			1509	0.014	0.008	0.206	
Upwind			1815	0.008	0.003	0.031	
Workzone			1826	0.010	0.006	0.096	
Nearby Receptor							
Downwind			1808	0.014	0.007	0.524	
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

4/18/2011

LEGEND

- ELECTRICAL MANHOLE
- ELECTRICAL HANDHOLD
- WATER MANHOLE WITH CONCRETE PAD
- WATER MANHOLE WITH CONCRETE PAD
- DRAINAGE MANHOLE
- EXISTING GROUND SURFACE CONTOUR 1 FOOT INTERVAL
- CATCH BASIN
- FIRE HYDRANT
- LIGHT POLE
- ELECTRICAL POLE
- BUILDING
- CLEAN OUT
- PROPERTY LINE
- CHAIN LINK FENCE
- SIGN
- TREE WITH DIAMETER
- VERTICAL GRANITE CURB / VERTICAL CONCRETE CURB
- TELEPHONE MANHOLE
- EDGE OF PAVEMENT
- HANDICAP RAMP
- ELECTRICAL LINE
- SEWER LINE
- DRAIN LINE
- FLOW DIRECTION PIPE DIAMETER/TYPE
- METAL PIPE / CLAY PIPE / REINFORCED CONCRETE PIPE
- COMMUNICATION LINE
- OVERHEAD WIRE
- GAS LINE / IF INDICATED, HIGH PRESSURE GAS LINE WITH DIAMETER
- RIM ELEVATION / INVERT ELEVATION / SUMP ELEVATION
- TELEPHONE LINE
- WATER LINE
- FIRE SERVICE LINE WITH DIAMETER
- MANHOLE/CURB INLET
- CONCRETE PLANTERS WITH PLANT
- CONCRETE PLANTER

NOTES

1. BASE MAP PROVIDED BY LAND PLANNING, INC., 115 MAIN STREET, HANSON, MA. DATED DECEMBER 22, 2008.
2. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. ANY EXCAVATION WORK REQUIRES THE NOTIFICATION OF DIGSAFE (1-888-344-7233) AND OTHER MEANS OF FIELD LOCATION FOR AREAS BEYOND THE SCOPE OF DIGSAFE.
3. THE EXCAVATION AREAS SHOWN ARE APPROXIMATE AND REFLECT THE MODELING OF SUBSURFACE CONDITIONS AS OF DECEMBER 2008. AREAS AND/OR LOCATIONS OF EXCAVATION MAY CHANGE.
4. PORTION OF PROPERTY IN SOUTHEASTERN CORNER (NOT SHOWN) HAS BEEN DETERMINED TO NOT REQUIRE REMEDIAL ACTION AT THIS TIME.

GRAPHIC SCALE

60' 0 30' 60' 120'

1"=60'

West Wind

MAP 70 LOT 1
MAP 75 LOT 12
MAP 69 LOTS 345 & 480

HATHAWAY BOULEVARD

PARKER STREET

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: _____ SIGNATURE

MA PROFESSIONAL ENGINEER: LIC. # _____

Prepared by: TRC

Prepared for: The City of New Bedford Massachusetts

REV	DATE	BY	DESCRIPTION
1	1-25-11	A.H.	RAM PLAN DESIGN DRAFT SUBMITTAL
0	12-15-09	A.H.	CONCEPTUAL DESIGN SUBMITTAL

D.T. / A.C.H. / M.P. / A.C.H. / DESIGN SUPERVISOR / PROJECT ENGINEER

DRAWING TITLE: EXISTING CONDITIONS

DESIGNED D.F. | DRAWN BY A.C.H. | CHECKED BY D.T. | PROJECT ENGINEER A.C.H. | STATE CERT. JUN. 2009 | SUPERVISOR D.T.

PROJECT TITLE: RAM PLAN DESIGN - DRAFT NBHS EXTERIOR REMEDY

SCALE: 1" = 60'

PREPARED FOR: City of New Bedford, 133 WILLIAM STREET, NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO. C-100 (1)

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/ 18 /2011

Weather: 45°, clear, west wind **Page:** 1 of

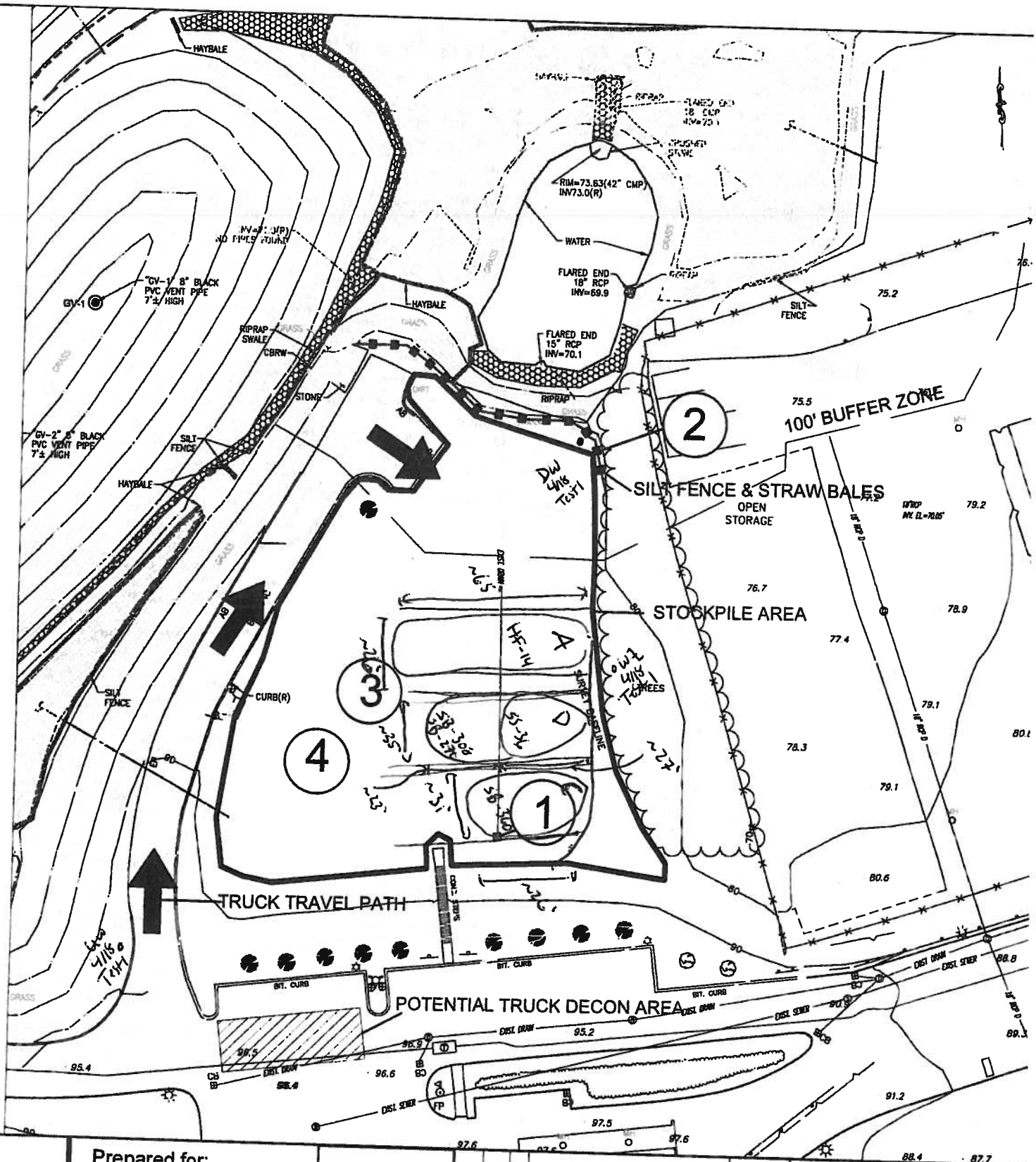
Location (circle): (NBHS) Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	23319	1	start: 0725				HF-14 start
Workzone	85200315	1	start: 0721				
Nearby Receptor	2421	1	start: 0732				PID - 0
Downwind	85201691	1	start: 0719				
Upwind			0810	0.013	0.011	0.019	
Workzone			↓	0.018	0.013	0.149	
Nearby Receptor			↓	0.000	0.000	0.003	PID - 0
Downwind			↓	0.015	0.010	0.030	
Upwind			9:00	0.012	0.009	0.019	
Workzone			↓	0.015	0.008	0.186	
Nearby Receptor			↓	0.000	0.000	0.003	PID 0
Downwind			↓	0.013	0.008	0.030	
Upwind			1005	0.011	0.009	0.019	
Workzone			↓	0.014	0.008	0.186	
Nearby Receptor			↓	0.000	0.000	0.003	PID 0
Downwind			↓	0.012	0.006	0.030	spike of 0.288 from breaking down fuel and getting rid of sump @ 1025
Upwind			1100	0.011	0.009	0.034	
Workzone			↓	0.013	0.006	0.283	- occasional gust of wind causes
Nearby Receptor			↓	0.000	0.000	0.007	spike, NOT sustained
Downwind			↓	0.012	0.006	0.211	
Upwind			12:20	0.011	0.008	0.051	
Workzone		2	↓	0.015	0.005	0.478	PID 0 spike 0.478 from opening S.O.T. lid too forcefully
Nearby Receptor			↓	0.001	0.000	0.029	
Downwind			↓	0.014	0.006	1.21	spik from sweeping not sustained.
Upwind			1330	0.011	0.008	0.055	
Workzone			↓	0.620	0.005	0.478	
Nearby Receptor			↓	0.001	0.000	0.028	
Downwind			↓	0.014	0.004	0.21	
Upwind			15:20	0.012	0.008	0.177	
Workzone			↓	0.026	0.005	1.52	PID 0 backfill dust spikes.
Nearby Receptor			↓	0.001	0.000	0.028	
Downwind			↓	0.018	0.004	1.21	
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

4/18/2011

wind direction



Prepared for:

The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION
1		A.H.	ISSUE FOR CONSTRUCTION
0		A.H.	90% DRAFT DESIGN SUBMITTAL

DESIGN SUPERVISOR: D.T.
PROJECT ENGINEER: A.H.

DRAWING TITLE: OFFSITE TEMPORARY SOIL STORAGE AREA

DRAWN: A.H | DESIGN BY: A.C.H. | CHECKED BY: D.T. | DATE: FEB. 2011 | SUPERVISOR: D.T.

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/15/2011

Weather: High 40s, Clear, wind from SW → NE **Page:** ~~1~~ 1 of 1

Location (circle): NBHS Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	85200724	1	start: 0730				
Workzone	85203252	1	start: 0743				
Nearby Receptor			start:				
Downwind	22259	1	start: 0733				
Upwind			0844	0.013	0.008	0.042	
Workzone			0848	0.013	0.008	0.033	
Nearby Receptor							
Downwind			0846	0.015	0.009	0.093	
Upwind			0952	0.011	0.008	0.042	
Workzone			0958	0.012	0.008	0.054	
Nearby Receptor							
Downwind			0956	0.016	0.009	0.357	
Upwind			1059	0.010	0.006	0.042	
Workzone			1103	0.012	0.007	0.054	
Nearby Receptor							
Downwind			1101	0.019	0.008	0.948	
Upwind			1215	0.010	0.006	0.042	
Workzone			1222	0.013	0.007	0.479	
Nearby Receptor							
Downwind			1221	0.022	0.008	0.948	
Upwind			1324	0.009	0.006	0.042	
Workzone			1327	0.014	0.007	0.477	
Nearby Receptor							
Downwind			1326	0.023	0.008	1.54	
Upwind			1418	0.009	0.006	0.042	
Workzone			1421	0.014	0.007	0.477	
Nearby Receptor							
Downwind			1420	0.024	0.008	1.54	
Upwind			1647	0.010	0.006	0.042	
Workzone			1651	0.014	0.007	0.477	
Nearby Receptor							
Downwind			1649	0.025	0.008	~~0.~~ 4.83	
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

4/19/2011

LEGEND

- ELECTRICAL MANHOLE
- ELECTRICAL HANDHOLD
- WATER MANHOLE WITH CONCRETE PAD
- WATER MANHOLE WITH CONCRETE PAD
- DRAINAGE MANHOLE
- EXISTING GROUND SURFACE CONTOUR 1 FOOT INTERVAL
- CATCH BASIN
- FIRE HYDRANT
- LIGHT POLE
- ELECTRICAL POLE
- BUILDING
- CLEAN OUT
- PROPERTY LINE
- CHAIN LINK FENCE
- SIGN
- TREE WITH DIAMETER
- VERTICAL GRANITE CURB / VERTICAL CONCRETE CURB
- TELEPHONE MANHOLE
- EDGE OF PAVEMENT
- HANDICAP RAMP
- ELECTRICAL LINE
- SEWER LINE
- DRAIN LINE
- FLOW DIRECTION PIPE DIAMETER/TYPE
- METAL PIPE / CLAY PIPE / REINFORCED CONCRETE PIPE
- COMMUNICATION LINE
- OVERHEAD WIRE
- GAS LINE IF INDICATED, HIGH PRESSURE GAS LINE WITH DIAMETER
- RIM ELEVATION / INVERT ELEVATION / SUMP ELEVATION
- TELEPHONE LINE
- WATER LINE
- FIRE SERVICE LINE WITH DIAMETER
- MANHOLE/CURB INLET
- CONCRETE PLANTERS WITH PLANT
- CONCRETE PLANTER

NOTES

1. BASE MAP PROVIDED BY LAND PLANNING, INC., 115 MAIN STREET, HANSON, MA. DATED DECEMBER 22, 2008.
2. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. ANY EXCAVATION WORK REQUIRES THE NOTIFICATION OF DIGSAFE (1-888-344-7233) AND OTHER MEANS OF FIELD LOCATION FOR AREAS BEYOND THE SCOPE OF DIGSAFE.
3. THE EXCAVATION AREAS SHOWN ARE APPROXIMATE AND REFLECT THE MODELING OF SUBSURFACE CONDITIONS AS OF DECEMBER 2009. AREAS AND/OR LOCATIONS OF EXCAVATION MAY CHANGE.
4. PORTION OF PROPERTY BY SOUTHEASTERN CORNER (NOT SHOWN) HAS BEEN DETERMINED TO NOT REQUIRE REMEDIAL ACTION AT THIS TIME.

GRAPHIC SCALE

60' 0 30' 60' 120'

1"=60'

WIND from North

MAP 70 LOT 1
MAP 75 LOT 12
MAP 69 LOTS 345 & 480

HATHAWAY BOULEVARD

PARKER STREET

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: _____ SIGNATURE _____

MA PROFESSIONAL ENGINEER:

LIC. # _____

Prepared by: TRC

Prepared for:

The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION
1	1-20-11	A.H.	RAM PLAN DESIGN DRAFT SUBMITTAL
0	12-13-09	A.H.	CONCEPTUAL DESIGN SUBMITTAL

DESIGN SUPERVISOR: D.T.
PROJECT ENGINEER: A.C.H. / M.P.

DRAWING TITLE: EXISTING CONDITIONS

DESIGNED	DRAWN BY	CHECKED BY	PROJECT ENGINEER
D.F.	A.C.H.	D.T.	A.C.H.
STATE DATE: JUN. 2009		SUPERVISOR: D.T.	

PROJECT TITLE: RAM PLAN DESIGN - DRAFT
NBHS
EXTERIOR REMEDY

SCALE: 1" = 60'

PREPARED FOR: City of New Bedford
133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO.: C-100 (1)

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/19/2011

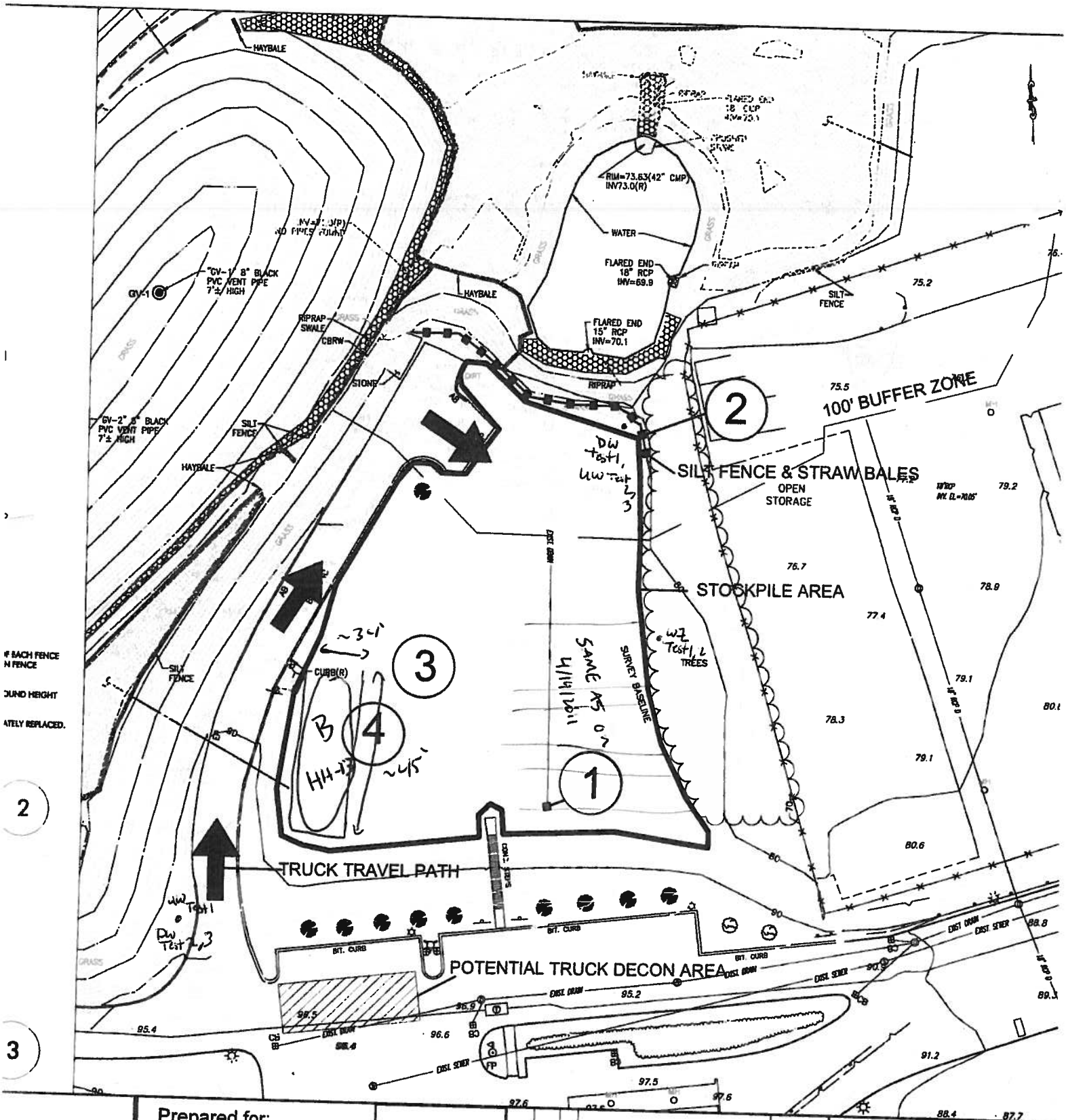
Weather: 50, Overcast, North Wind **Page:** 1 of

Location (circle): (NBHS) Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	85206691	1	start: 0800				HH-13
Workzone	23319	1	start: 0826			NA ←	Started after they took down knees
Nearby Receptor			start:	NA	NA		
Downwind	85200315	1	start: 0756				
Upwind			0900	0.031	0.027	0.082	
Workzone			↓	0.042	0.023	0.631	
Nearby Receptor			↓				
Downwind			↓	0.037	0.028	0.195	alarm went off when case shut
Upwind			1000	0.029	0.021	0.082	HH-13
Workzone			~~0.033~~	~~0.029~~ ASD 0.033	0.020	0.631	
Nearby Receptor			↓				
Downwind			↓	0.036	0.023	0.193	PID: 0.1
Upwind			1100	0.027	0.018	0.032	
Workzone			↓	0.029	0.013	0.631	
Nearby Receptor			↓				
Downwind			↓	0.034	0.017	0.601	possible humidity spike, beginning to rain
Upwind			1200	0.024	0.012	0.082	
Workzone			↓	0.025	0.012	0.631	
Nearby Receptor			↓				
Downwind			↓	0.030	0.015	0.601	PID: 0.0
Upwind			1330	0.022	0.012	0.092	
Workzone			↓	0.023	0.012	0.631	
Nearby Receptor			↓				
Downwind			↓	0.029	0.015	0.601	
Upwind			1450	0.021	0.012	0.092	END
Workzone			↓	0.023	0.012	0.631	
Nearby Receptor			↓				
Downwind			↓	0.028	0.015	0.601	PID: 0.0
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

4/19/2011 Calm, then wind direction ↙



Prepared for:

The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION
1	[illegible]	A.H.	ISSUE FOR CONSTRUCTION
0	[illegible]	A.H.	80% DRAFT DESIGN SUBMITTAL

DESIGN SUPERVISOR: D.T. / A.H.
PROJECT ENGINEER: D.T. / A.H.

DRAWING TITLE

OFFSITE TEMPORARY SOIL STORAGE AREA

DRAWN: A.H | DESIGNED BY: A.C.H. | CHECKED BY: D.T. | DATE: FEB. 2011 | SUPERVISED: D.T.

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/19/2011

Weather: High 40s, overcast, calm, then slight NE->SW wind **Page:** 1 of 1

Location (circle): NBHS Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	85200724	1	start: 0813				
Workzone	85203252	1	start: 0818				
Nearby Receptor			start:				
Downwind	22259	1	start: 0816				
Upwind			0922	0.036	0.020	0.403	moving unit due to wind change. starting test 2 @ 0957
Workzone			0925	0.025	0.019	~~0.0~~ 0.126	
Nearby Receptor							
Downwind			0924	0.026	0.020	0.041	moving unit due to wind change. starting test 2 @ 1000
Upwind		2	1026	~~0.040~~ 0.025	0.019	0.041	
Workzone		1	1030	0.028	0.018	1.29	
Nearby Receptor							
Downwind		2	1026	0.040	0.021	0.663	
Upwind			1117	0.021	0.010	0.041	Taking down due to rain
Workzone			1120	0.025	0.009	1.29	"
Nearby Receptor							
Downwind			1114	0.033	0.009	0.663	"
Upwind							Redeployed @ ~1300
Workzone							"
Nearby Receptor							
Downwind							"
Upwind		3	breakdown	0.015	0.010	0.037	
Workzone		2	(~1530)	0.013	0.009	0.038	
Nearby Receptor							
Downwind		3	↓	0.020	0.011	0.609	
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

4/20/2011

LEGEND

- ELECTRICAL MANHOLE
- ELECTRICAL HANDHOLD
- WATER MANHOLE WITH CONCRETE PAD
- WATER MANHOLE WITH CONCRETE PAD
- DRAINAGE MANHOLE
- EXISTING GROUND SURFACE CONTOUR 1 FOOT INTERVAL
- CATCH BASIN
- FIRE HYDRANT
- LIGHT POLE
- ELECTRICAL POLE
- BUILDING
- CLEAN OUT
- PROPERTY LINE
- CHAIN LINK FENCE
- SIGN
- TREE WITH DIAMETER
- VERTICAL GRANITE CURB / VERTICAL CONCRETE CURB
- TELEPHONE MANHOLE
- EDGE OF PAVEMENT
- HANDICAP RAMP
- ELECTRICAL LINE
- SEWER LINE
- DRAIN LINE
- FLOW DIRECTION / PIPE DIAMETER/TYPE
- METAL PIPE / CLAY PIPE / REINFORCED CONCRETE PIPE
- COMMUNICATION LINE
- OVERHEAD WIRE
- GAS LINE / IF INDICATED, HIGH PRESSURE GAS LINE WITH DIAMETER
- RIM ELEVATION / INVERT ELEVATION / SUMP ELEVATION
- TELEPHONE LINE
- WATER LINE
- FIRE SERVICE LINE WITH DIAMETER MANHOLE/CURB INLET
- CONCRETE PLANTERS WITH PLANT
- CONCRETE PLANTER

NOTES

1. BASE MAP PROVIDED BY LAND PLANNING, INC., 115 MAIN STREET, HANSON, MA, DATED DECEMBER 22, 2008.
2. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. ANY EXCAVATION WORK REQUIRES THE NOTIFICATION OF DIGSAFE (1-888-344-7233) AND OTHER MEANS OF FIELD LOCATION FOR AREAS BEYOND THE SCOPE OF DIGSAFE.
3. THE EXCAVATION AREAS SHOWN ARE APPROXIMATE AND REFLECT THE MODELING OF SUBSURFACE CONDITIONS AS OF DECEMBER 2008. AREAS AND/OR LOCATIONS OF EXCAVATION MAY CHANGE.
4. PORTION OF PROPERTY IN SOUTHEASTERN CORNER (NOT SHOWN) HAS BEEN DETERMINED TO NOT REQUIRE REMEDIAL ACTION AT THIS TIME.

GRAPHIC SCALE

60' 0 30' 60' 120'

1"=60'

East Wind

MAP 70 LOT 1
MAP 75 LOT 12
MAP 69 LOTS 345 & 480

PARKING LOT
HOUSE #4
HOUSE #3
HOUSE #2
HOUSE #1
COVERED BUS STOP
PAVED COURTYARD
CREATIVE ARTS
HIGH SCHOOL
NEW BEDFORD HIGH SCHOOL
PLAYFIELD
TENNIS COURTS
VOLLEYBALL COURTS
BIT. CONC. WALK
CONCRETE WALK
BLDG.
PARKER STREET
HATHAWAY BOULEVARD
M: 75 L: 8 N/F COMMONWEALTH OF MASSACHUSETTS 715/689
N 82°34'00" E 383.1'
N 82°25'56" E 206.6'
S 22°25'50" E 1205.9'
S 20°10'39" E 1811.1'
N 07°16'04" W 1670.2'

XDW-1 HD 21,20
XWZ-1 (HD-21,20)
XWZ-1
XUW-1 HC-22
XWZ-2 HC-22
XUW-1 HD-21,20
XDW-1 HC-22

TBM #2 EL = 89.73
TBM #1 EL = 90.11

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING	Prepared by:	Prepared for:
DATE: _____ SIGNATURE _____	TRC	The City of New Bedford Massachusetts
MA PROFESSIONAL ENGINEER: LIC. #		

REV	DATE	BY	DESCRIPTION
1	1-30-09	A.H.	RAM PLAN DESIGN DRAFT SUBMITTAL
0	12-23-08	A.H.	CONCEPTUAL DESIGN SUBMITTAL

D.T. / A.C.H. / M.P. / A.C.H. / DESIGN SUPERVISOR / PROJECT ENGINEER

DRAWING TITLE: EXISTING CONDITIONS

DESIGNED D.F. | DRAWN BY A.C.H. | CHECKED BY D.T. | PROJECT DIRECTOR A.C.H. | STATE DATE JUN. 2009 | SUPERVISOR D.T.

PROJECT TITLE: RAM PLAN DESIGN - DRAFT NBHS EXTERIOR REMEDY

SCALE: 1" = 60'

PREPARED FOR: City of New Bedford, 133 WILLIAM STREET, NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO.: C-100 (1)

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/20/2011

Weather: Overcast / drizzly misty, humid **Page:** 1 of 1

Location (circle): (NBHS) Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	11770	1	start: 0830	0.026	0.022	0.057	HD-19, 20, +21
Workzone	11824		start: 0830	0.018	0.013	0.059	
Nearby Receptor			start:				
Downwind	07098	1	start: 0836	0.085	0.015	2.49	-Spikes from touching the unit
Upwind	11770	1	0928	0.028	0.022	0.063	
Workzone	11824	1	0929	0.010	0.001	0.062	
Nearby Receptor							
Downwind	07098	1	0930	0.030	0.015	2.49	
Upwind	11770	1	1025	0.026	0.018	0.063	
Workzone	11824	1	1030	0.004	-0.013	0.080	Ended test 1 to re-cal; started test 2
Nearby Receptor							
Downwind	07098	2	1038	0.169	0.011	2.58 ~~6.441~~ ea	Unit was off; replaced battery + started test 2
Upwind	11770	1	1136	0.025	0.017	0.063	
Workzone	11824	2	1135	0.020	0.011	0.441	
Nearby Receptor							
Downwind	07098	2	1133	0.024	0.010	2.58	
Upwind	11770	1	1235	0.027	0.017	0.063	
Workzone	11824	2	1233	0.021	0.011	0.441	
Nearby Receptor							
Downwind	07098	2	1234	0026	0.010	2.58	
Upwind	11770	1	1325	0.029	0.017	0.063	turned off all units after taking readings
Workzone	11824	2	1323	0.023	0.011	0.441	
Nearby Receptor							
Downwind	07098	2	1329	0.029	0.010	2.58	
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/20/2011

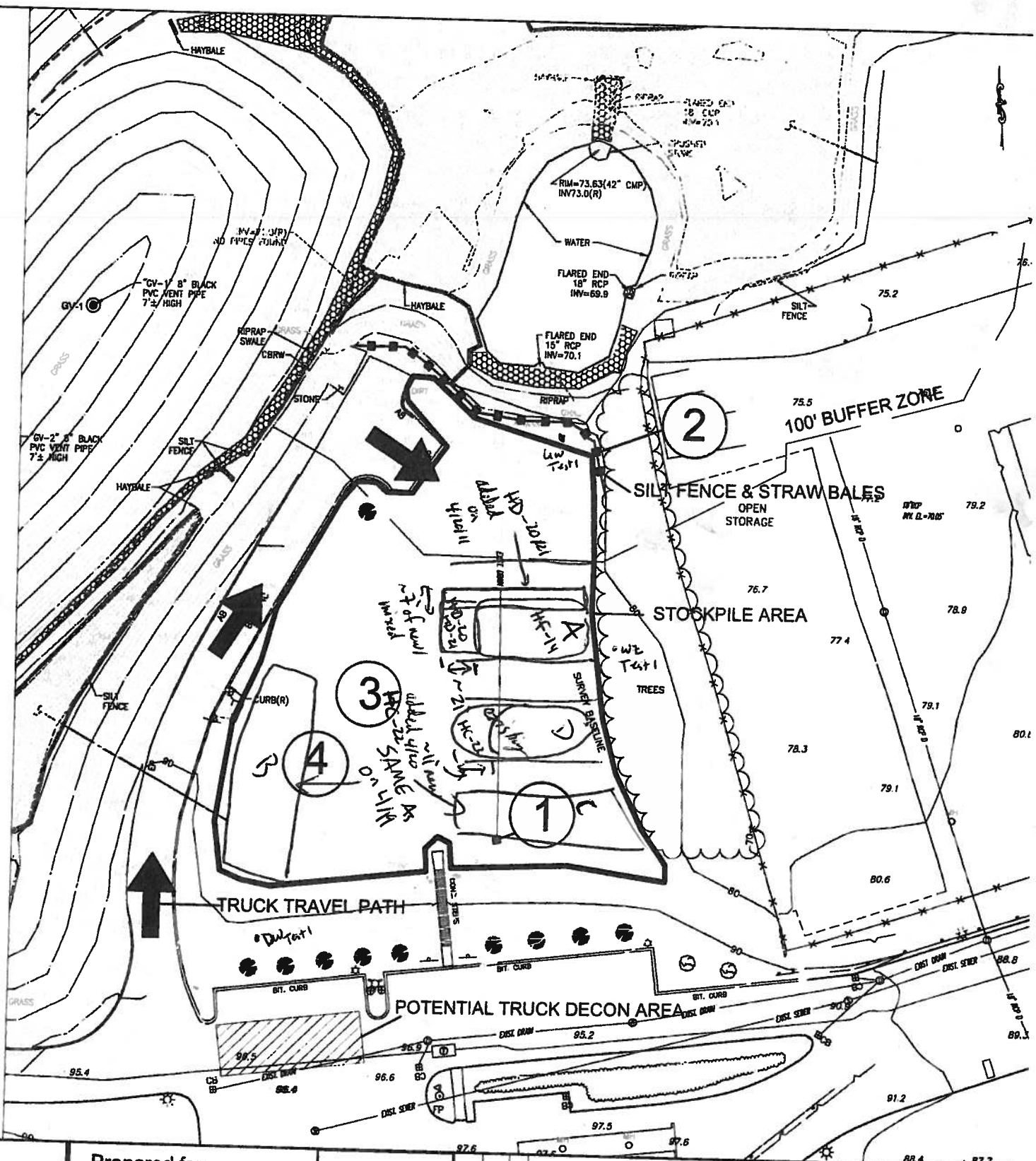
Weather: 45°, East Wind, Overcast **Page:** 1 of

Location (circle): (NBHS) Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	~~85200315~~	1	start: 0702				~~HD-19, 20, 21~~
Workzone	~~85201691~~	1	start: 0705				~~Background~~
Nearby Receptor	~~ASD~~	1	start:				
Downwind	~~23319~~	1	start: 0708				
Upwind	23319						HC-22 (changed mind, starting on HC-22)
Workzone	85201691	2	0810				
Nearby Receptor/D&R							
Downwind	85200315						very misty weather
Upwind			0835	0.016	0.011	0.031	
Workzone			↓	0.026	0.022	0.045	
Nearby Receptor			↓				
Downwind			↓	0.024	0.018	0.023	
Upwind			0920	0.018	0.011	0.042	
Workzone			↓	0.028	0.022	0.055	
Nearby Receptor			↓				
Downwind			↓	0.026	0.018	0.050	
Upwind			1020	0.017	0.010	0.042	
Workzone			↓	0.025	0.013	0.087	
Nearby Receptor			↓				
Downwind			↓	0.027	0.016	0.118	
Upwind							END HC-22
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

4/20/2011 ✓ wind direction



2

3

Prepared for:

The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION
1	[illegible]	A.H.	ISSUE FOR CONSTRUCTION
0	[illegible]	A.H.	90% DRAFT DESIGN SUBMITTAL

D.T. A.H. D.T. A.H.

DESIGN SUPERVISOR
PROJECT ENGINEER

DRAWING TITLE

OFFSITE TEMPORARY SOIL STORAGE AREA

DRAWN A.H. | DESIGN BY A.C.H. | CHECKED D.T. | APPROVED D.T. | DATE FEB. 2011

Daily Field Log - Dust Monitoring Data

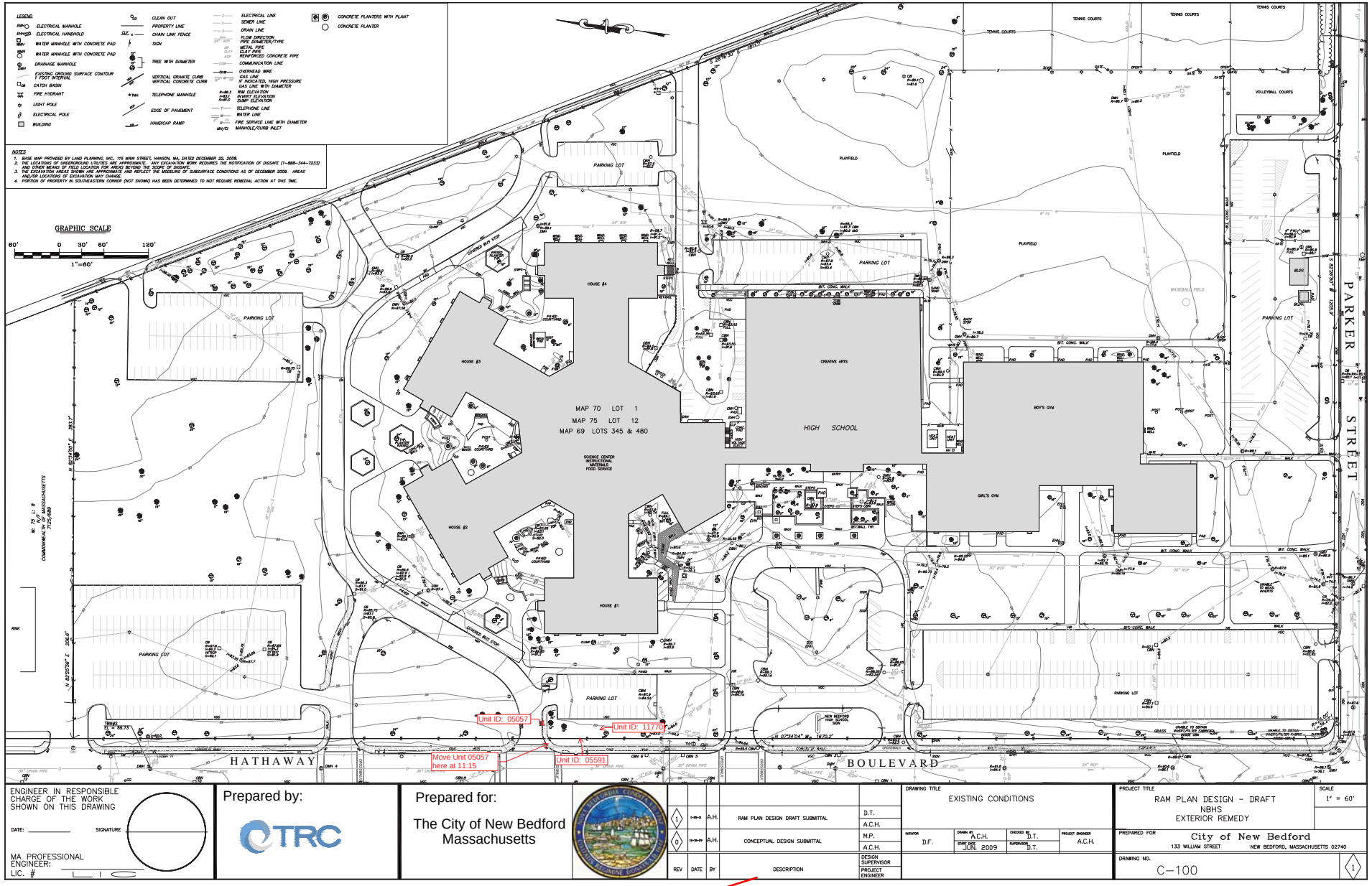
Project: City of New Bedford (115058) **Date:** 4/ 20 /2011

Weather: Upper 40s, Overcast, misty, Slight breeze NE→SW **Page:** 1 of 1

Location (circle): NBHS (Shawmut Street)

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	85206724	1	start: 0802				
Workzone	85203252	1	start: 0806				
Nearby Receptor			start:				
Downwind	22259	1	start: 0758				
Upwind			0908	0.023	0.019	0.050	
Workzone			0904	0.024	0.020	0.047	
Nearby Receptor							
Downwind			0905	0.026	0.019	0.263	
Upwind			1010	0.022	0.016	0.050	
Workzone			1011	0.024	0.017	0.069	
Nearby Receptor							
Downwind			1008	0.025	0.018	0.566	
Upwind			1113	0.021	0.014	0.50	
Workzone			1111	0.024	0.016	1.22	
Nearby Receptor							
Downwind			1117	0.024	0.016	0.566	
Upwind			1209	0.021	0.014	0.050	
Workzone			1208	0.024	0.016	1.22	
Nearby Receptor							
Downwind			1206	0.024	0.016	0.566	
Upwind			1316	0.023	0.014	0.050	
Workzone			1312	0.025	0.016	1.22	
Nearby Receptor							
Downwind			1311				Unit had shut off - starting Test 2
Upwind			1516	0.024	0.014	0.331	
Workzone			1511	0.028	0.016	1.67	
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3



Wind Direction

5/14/2011

LEGEND

- ELECTRICAL MANHOLE
- ELECTRICAL HANDHOLD
- WATER MANHOLE WITH CONCRETE PAD
- WATER MANHOLE WITH CONCRETE PAD
- DRAINAGE MANHOLE
- EXISTING GROUND SURFACE CONTOUR 1 FOOT INTERVAL
- CATCH BASIN
- FIRE HYDRANT
- LIGHT POLE
- ELECTRICAL POLE
- BUILDING
- CLEAN OUT
- PROPERTY LINE
- CHAIN LINK FENCE
- SIGN
- TREE WITH DIAMETER
- VERTICAL GRANITE CURB / VERTICAL CONCRETE CURB
- TELEPHONE MANHOLE
- EDGE OF PAVEMENT
- HANDICAP RAMP
- ELECTRICAL LINE
- SEWER LINE
- DRAIN LINE
- FLOW DIRECTION / PIPE DIAMETER/TYPE
- METAL PIPE / CLAY PIPE / REINFORCED CONCRETE PIPE
- COMMUNICATION LINE
- OVERHEAD WIRE
- GAS LINE / IF INDICATED, HIGH PRESSURE GAS LINE WITH DIAMETER
- RIM ELEVATION / INVERT ELEVATION / SUMP ELEVATION
- TELEPHONE LINE
- WATER LINE
- FIRE SERVICE LINE WITH DIAMETER
- MANHOLE/CURB INLET
- CONCRETE PLANTERS WITH PLANT
- CONCRETE PLANTER

NOTES

1. BASE MAP PROVIDED BY LAND PLANNING, INC., 115 MAIN STREET, HANSON, MA, DATED DECEMBER 22, 2008.
2. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. ANY EXCAVATION WORK REQUIRES THE NOTIFICATION OF DIGSAFE (1-888-344-7233) AND OTHER MEANS OF FIELD LOCATION FOR AREAS BEYOND THE SCOPE OF DIGSAFE.
3. THE EXCAVATION AREAS SHOWN ARE APPROXIMATE AND REFLECT THE MODELING OF SUBSURFACE CONDITIONS AS OF DECEMBER 2009. AREAS AND/OR LOCATIONS OF EXCAVATION MAY CHANGE.
4. PORTION OF PROPERTY IN SOUTHEASTERN CORNER (NOT SHOWN) HAS BEEN DETERMINED TO NOT REQUIRE REMEDIAL ACTION AT THIS TIME.

GRAPHIC SCALE

60' 0 30' 60' 120'

1"=60'

Wind Direction

MAP 70 LOT 1
MAP 75 LOT 12
MAP 69 LOTS 345 & 480

Unit ID: 05591 UW
Unit ID: 05057 WZ
Unit ID: 11770 DW

PARKER STREET

HATHAWAY BOULEVARD

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: _____ SIGNATURE _____

MA PROFESSIONAL ENGINEER:

LIC. #

Prepared by: TRC

Prepared for:

The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION	DESIGN SUPERVISOR	PROJECT ENGINEER
1	1-28-11	A.H.	RAM PLAN DESIGN DRAFT SUBMITTAL	D.T.	A.C.H.
0	12-18-09	A.H.	CONCEPTUAL DESIGN SUBMITTAL	M.P.	A.C.H.

DRAWING TITLE: EXISTING CONDITIONS

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
D.F.	A.C.H.	D.T.	A.C.H.
	START DATE: JUN. 2009	SUPERVISOR: D.T.	

PROJECT TITLE: RAM PLAN DESIGN - DRAFT
NBHS
EXTERIOR REMEDY

SCALE: 1" = 60'

PREPARED FOR: City of New Bedford
133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO. C-100 1

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 4/~~2011~~ 5/14/2011

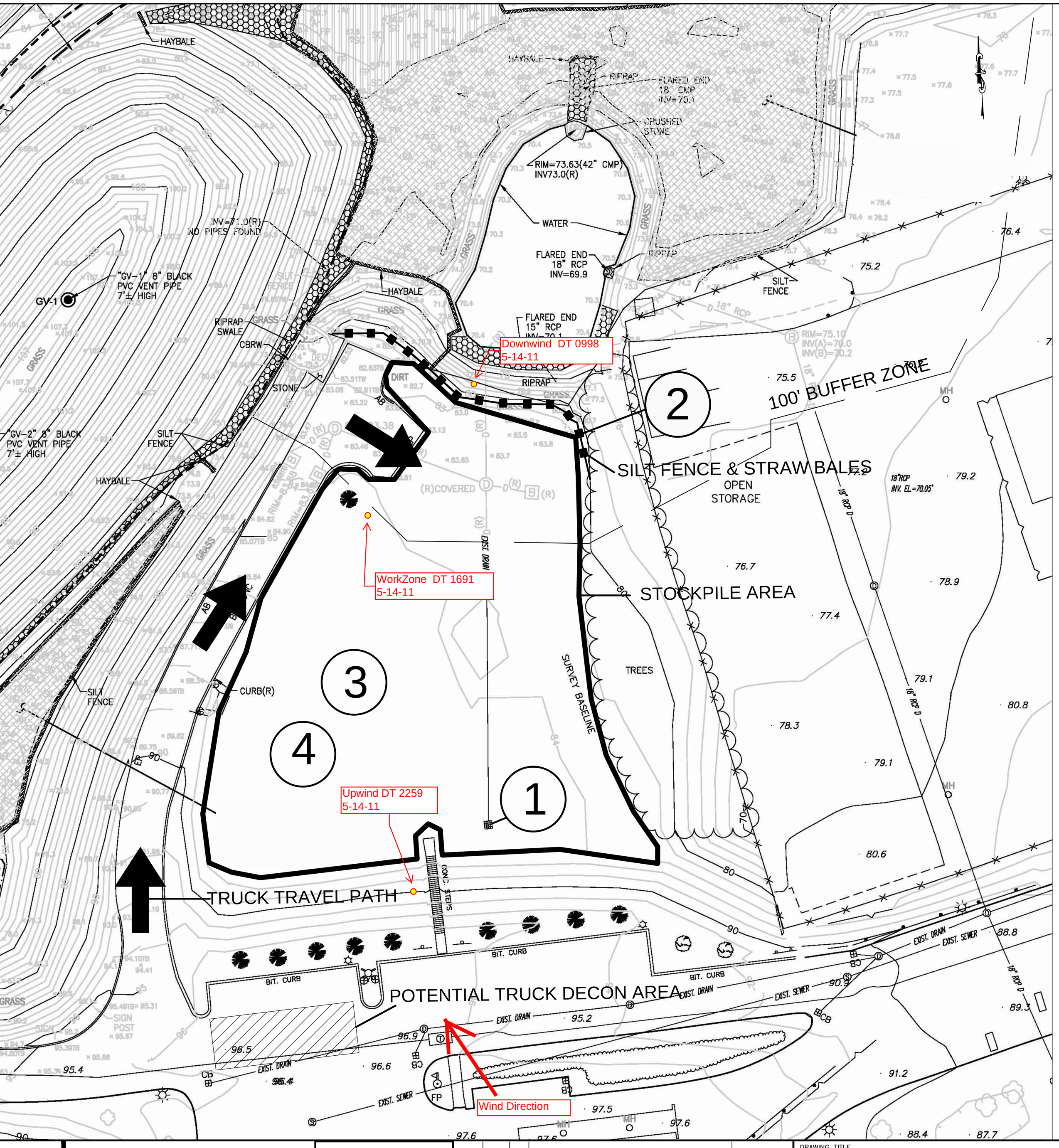
Weather: SUNNY + 55°F - 65°F **Page:** 1 of 1

Location (circle): NBHS Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	05591	1	start: 0800				HD-21
Workzone	05057	1	start: 0800				HD-21
Nearby Receptor			start:				
Downwind	11770	1	start: 0800				HD-21
Upwind	05591	1	0900	~~0.016~~			Battery died; replaced external battery + started Test 2
Workzone	05057	1	0900	0.024	0.013	0.115	HD-21
Nearby Receptor							
Downwind	11770	1	0900	0.021	0.0116	0.153	HD-21
Upwind	11770	2	1017	0.019	0.014	0.047	HA-19
Workzone	05591	3	1010	0.027	0.017	0.933	HA-19 } moved all units to area HA-19 @ 0940 and started new tests
Nearby Receptor							
Downwind	05057	2	1015	0.020	0.013	0.075	HA-19
Upwind	11770	2	1115	0.023	0.014	0.870	HA-19
Workzone	05591	3	1116	0.024	0.017	0.933	HA-19
Nearby Receptor							
Downwind	05057	2	1116	0.026	0.013	0.157	HA-19
Upwind	11770	2	1245	0.023	0.014	0.870	HA-19
Workzone	05591	3	1246	0.022	0.016	0.933	HA-19
Nearby Receptor							
Downwind	05057	2	1246	0.024	0.013	0.182	HA-19
Upwind	11770	2	1348	0.030	0.014	0.870	HA-19
Workzone	05591	3	1348				Battery died; replaced internal batteries.
Nearby Receptor							
Downwind	05057	2	1351	0.028	0.013	0.204	HA-19
Upwind	11770	2	1445	0.029	0.014	0.870	HA-19
Workzone	05591	4	1445	0.023	0.013	0.113	HA-19
Nearby Receptor							
Downwind	05057	2	1446	0.027	0.011	0.204	HA-19
Upwind	11770	2	1551	0.026	0.008	0.870	HA-19
Workzone	05591	4	1552	0.016	0.007	0.113	HA-19
Nearby Receptor							
Downwind	05057	2	1552	0.027	0.007	0.385	HA-19
Upwind	11770	3	1731	0.008	0.004	0.013	HA-19
Workzone	05591	5	1729	0.012	0.005	0.069	HA-19
Nearby Receptor							
Downwind	05057	3	1728	0.035	0.005	0.330	HA-19

NOTES: * - All units in mg/m^3

5/14/2011



Prepared for:

The City of New Bedford
Massachusetts

C:\Documents and Settings\Ahamilton\Desktop\NBHS 90% SPOT EXCAVATION SUBMITTAL - FEB 2011\SEAL.bbg.jpg

REV	DATE	BY	DESCRIPTION	
1	3-31-11	A.H.	ISSUE FOR CONSTRUCTION	D.T. / A.H.
0	2-24-11	A.H.	90% DRAFT DESIGN SUBMITTAL	D.T. / A.H.
				DESIGN SUPERVISOR / PROJECT ENGINEER

DRAWING TITLE

OFFSITE TEMPORARY SOIL STORAGE AREA

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
A.H.	A.C.H.	D.T.	A.H.
	START DATE: FEB. 2011	SUPERVISOR: D.T.	

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 5/14/2011

Weather: Partly cloudy - 60's-upper 70's wind from S-SE @ 2-6 mp **Page:** 1 of 1

Location (circle): NBHS Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	22259	1-2	start: 8:38	0.020 / 0.022	0.019	0.165	T.OP. 23 min
Workzone	1691	1-2	start: 8:40	0.022 / 0.046	0.016	0.755	T.OP. 20 min PID - 0 ppm
Nearby Receptor			start:				
Downwind	998	1-2	start: 8:43	0.019 / 0.020	0.017	0.026	T.OP 20 min
Upwind	22259	1-2	9:45	0.018 / 0.021	0.016	0.165	T.OP 1:31 Hr. Min
Workzone	1691	1-2	9:47	0.025 / 0.033	0.014	1.72	T.OP. 1:28 Hr. Min. PID- 0 ppm
Nearby Receptor							
Downwind	998	1-2	10:02	0.018 / 0.023	0.015	1.46	T.OP 1:40 Hr. Min
Upwind	22259	1-2	12:15	0.023 / 0.021	0.016	0.165	T.OP 4hr.
Workzone	1691	1-2	12:18	0.036 / 0.074	0.014	14.60	T.OP. 3:58 Hr.Min. PID - 0 ppm
Nearby Receptor							
Downwind	998	1-2	12:20	0.028 / 0.021	0.014	1.460	T.OP. 3:57 Hr.Min.
Upwind	22259	1-2	14:03	0.030 / 0.024	0.016	0.165	T.OP 5:48 Hr.Min.
Workzone	1691	1-2	14:05	0.027 / 0.084	0.014	14.60	T.OP 5:46 Hr.Min. PID - 0 ppm
Nearby Receptor							
Downwind	998	1-2	14:08	0.031 / 0.025	0.014	1.46	T.OP. 5:46 Hr. Min.
Upwind	22259	1-2	16:10	0.008 / 0.022	0.007	0.165	T.OP 7:56 Hr. Min.
Workzone	1691	1-2	16:13	0.007 / 0.073	0.006	14.6	T.OP 7:52 Hr. Min. PID - 0 ppm
Nearby Receptor							
Downwind	998	1-2 & 1-3	16:15	0.007 DT DOWN			DT DOWN LOW BATTERY / REPLACE BATTER AND RESTART
Upwind	22259	1-2	17:40	0.009 / 0.020	0.006	0.165	T.OP. 9:17 Hr.Min.
Workzone	1691	1-2	17:43	0.011 / 0.064	0.005	14.60	T.OP. 9:13 Hr.Min.
Nearby Receptor							
Downwind	998	1-3	17:45	0.009 / 0.009	0.006	0.168	T.OP. 1:18 Hr. Min. DPI Zeb onsite truck caused dust spike
Upwind	22259	1-2	18:35	0.005 / 0.019	0.005	0.165	T.OP 10:21 Hr.Min. End test Log 1 / Test 2
Workzone	1691	1-2	18:50	0.005 / 0.061	0.004	14.60	T.OP 10:29 Hr.Min. PID - 0 ppm End test Log 1 / Test 2
Nearby Receptor							
Downwind	998	1-3	18:55	0.009 / 0.014	0.006	2.3	T.OP. 2:36 Hr.Min. End test - Log 1 / Test 3
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

5/21/2011

LEGEND

- ELECTRICAL MANHOLE
- ELECTRICAL HANDHOLD
- WATER MANHOLE WITH CONCRETE PAD
- WATER MANHOLE WITH CONCRETE PAD
- DRAINAGE MANHOLE
- EXISTING GROUND SURFACE CONTOUR 1 FOOT INTERVAL
- CATCH BASIN
- FIRE HYDRANT
- LIGHT POLE
- ELECTRICAL POLE
- BUILDING
- CLEAN OUT
- PROPERTY LINE
- CHAIN LINK FENCE
- SIGN
- TREE WITH DIAMETER
- VERTICAL GRANITE CURB / VERTICAL CONCRETE CURB
- TELEPHONE MANHOLE
- EDGE OF PAVEMENT
- HANDICAP RAMP
- ELECTRICAL LINE
- SEWER LINE
- DRAIN LINE
- FLOW DIRECTION PIPE DIAMETER/TYPE
- METAL PIPE / CLAY PIPE / REINFORCED CONCRETE PIPE
- COMMUNICATION LINE
- OVERHEAD WIRE
- GAS LINE 6" INDICATED, HIGH PRESSURE GAS LINE WITH DIAMETER
- RIM ELEVATION / INVERT ELEVATION / SUMP ELEVATION
- TELEPHONE LINE
- WATER LINE
- FIRE SERVICE LINE WITH DIAMETER
- MANHOLE/CURB INLET
- CONCRETE PLANTERS WITH PLANT
- CONCRETE PLANTER

NOTES

1. BASE MAP PROVIDED BY LAND PLANNING, INC., 115 MAIN STREET, HANSON, MA, DATED DECEMBER 22, 2008.
2. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. ANY EXCAVATION WORK REQUIRES THE NOTIFICATION OF DIGSAFE (1-888-344-7233) AND OTHER MEANS OF FIELD LOCATION FOR AREAS BEYOND THE SCOPE OF DIGSAFE.
3. THE EXCAVATION AREAS SHOWN ARE APPROXIMATE AND REFLECT THE MODELING OF SUBSURFACE CONDITIONS AS OF DECEMBER 2009. AREAS AND/OR LOCATIONS OF EXCAVATION MAY CHANGE.
4. PORTION OF PROPERTY IN SOUTHEASTERN CORNER (NOT SHOWN) HAS BEEN DETERMINED TO NOT REQUIRE REMEDIAL ACTION AT THIS TIME.

GRAPHIC SCALE

60' 0 30' 60' 120'

1"=60'

East

MAP 70 LOT 1
MAP 75 LOT 12
MAP 69 LOTS 345 & 480

PARKING LOT
PLAYFIELD
TENNIS COURTS
VOLLEYBALL COURTS
HOUSE #4
HOUSE #3
HOUSE #2
HOUSE #1
CREATIVE ARTS
HIGH SCHOOL
PARKER STREET
HATHAWAY BOULEVARD
BIT. CONC. WALK
CONCRETE BUS STOP
COVERED BUS STOP
SCENIC CORNER RESTAURANT MATERIALS FOOD SERVICE
N 82°34'00" E 383.7'
N 82°25'50" E 206.6'
S 82°25'50" W 1003.9'
N 07°14'04" W 1670.2'
TBM #2 EL = 89.73
TBM #1 EL = 90.11
DW-1
HW2-1

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: _____ SIGNATURE

MA. PROFESSIONAL ENGINEER:
LIC. # 1

Prepared by: TRC

Prepared for:
The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION	DESIGN SUPERVISOR / PROJECT ENGINEER
1	1-20-11	A.H.	RAM PLAN DESIGN DRAFT SUBMITTAL	D.T. / A.C.H.
0	12-13-10	A.H.	CONCEPTUAL DESIGN SUBMITTAL	M.P. / A.C.H.

DRAWING TITLE: EXISTING CONDITIONS

DRAWN BY: D.F. | ISSUED BY: A.C.H. JUN. 2009 | CHECKED BY: D.T. | SUPERVISOR: D.T. | PROJECT ENGINEER: A.C.H.

PROJECT TITLE: RAM PLAN DESIGN - DRAFT
NBHS
EXTERIOR REMEDY

SCALE: 1" = 60'

PREPARED FOR: City of New Bedford
133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO.: C-100 (1)

Daily Field Log - Dust Monitoring Data

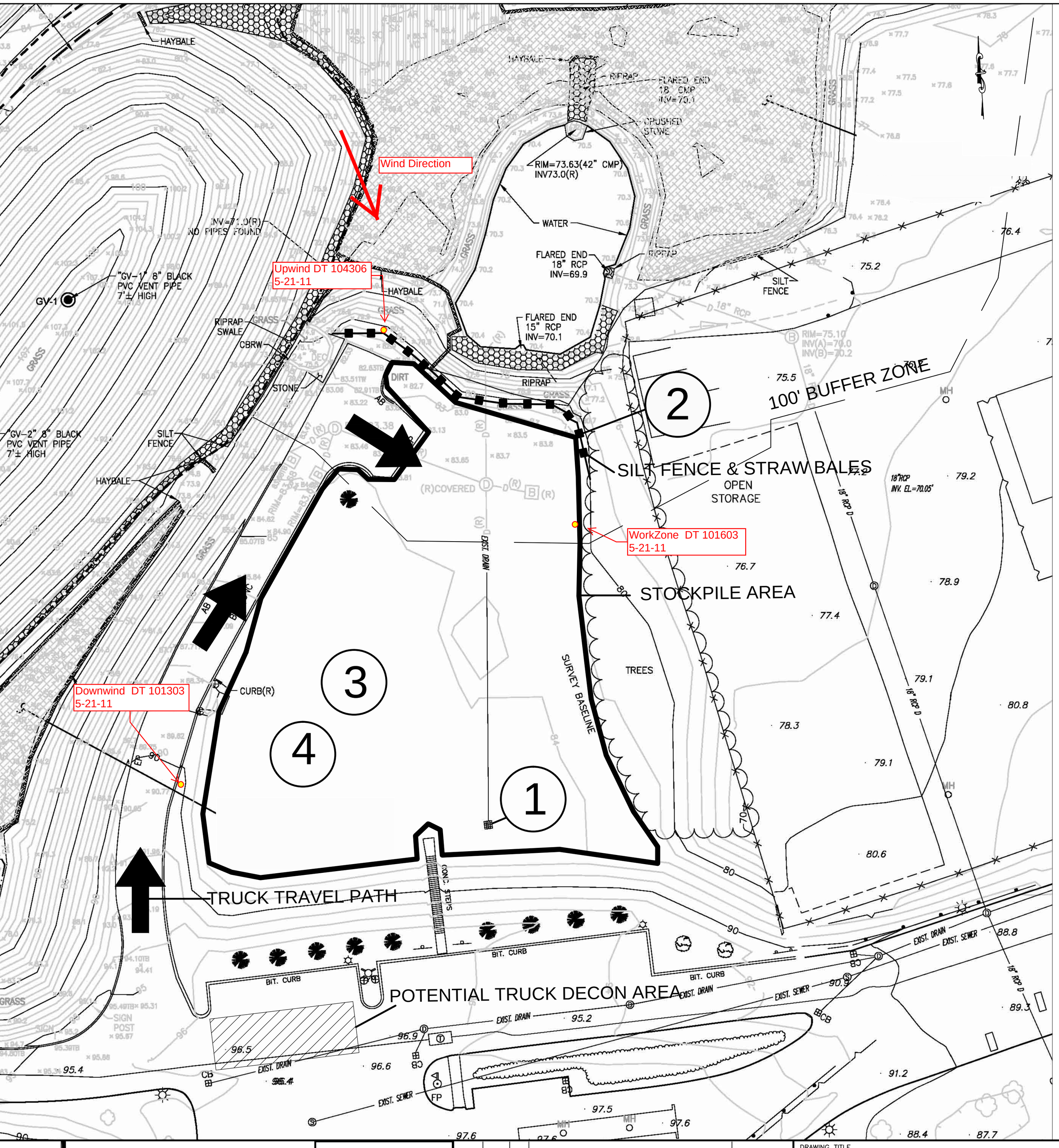
Project: City of New Bedford (115058) **Date:** ~~5/20/2011~~ 5/21/2011

Weather: ~55° Overcast, Foggy, East Wind **Page:** 1 of

Location (circle): (NBHS) Shawmut Street Sunny @ 11:00 am

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind			start:				
Workzone	85201691	1	start: 0717				HD-21
Nearby Receptor			start:				
Downwind	85200998	1	start: 0715				
Upwind			0740				
Workzone			↓	0.027	0.023	0.077	
Nearby Receptor			↓				
Downwind			↓	0.041	0.025	1.67	Spiked when started, has been no dust
Upwind			0840				
Workzone			↓	0.027	0.023	0.077	
Nearby Receptor			↓				
Downwind			↓	0.034	0.025	1.67	spiked when opened again
Upwind			0940				
Workzone			↓	0.035	0.021	0.304	Air Knife?
Nearby Receptor			↓				
Downwind			↓	0.032	0.024	1.67	PID 0.4
Upwind			1040				
Workzone			↓	0.034	0.021	0.761	Spiked when open cast
Nearby Receptor			↓				
Downwind			↓	0.032	0.024	1.67	PID: 0.0 ppm
Upwind			1200				Back Filling HD-21
Workzone			↓	0.032	0.019	0.761	
Nearby Receptor			↓	0.031 ↓	0.023 ↓	1.67 ↓	
Downwind			↓	~~0.034~~	~~0.021~~	~~0.761~~	~~Spike~~ ASD PID: 0.7
Upwind			1310				END HD-21
Workzone			↓	0.031	0.019	0.761	
Nearby Receptor			↓				
Downwind			↓	0.032	0.023	1.67	
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3



Prepared for:

The City of New Bedford
Massachusetts

C:\Documents and Settings\AHamilton\Desktop\NBHS 90% SPOT EXCAVATION SUBMITTAL - FEB 2011\SEAL.bbg.jpg

REV	DATE	BY	DESCRIPTION	DESIGN SUPERVISOR / PROJECT ENGINEER
1	3-31-11	A.H.	ISSUE FOR CONSTRUCTION	D.T. / A.H.
0	2-24-11	A.H.	90% DRAFT DESIGN SUBMITTAL	D.T. / A.H.

DRAWING TITLE

OFFSITE TEMPORARY SOIL STORAGE AREA

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
A.H.	A.C.H.	D.T.	A.H.
	START DATE: FEB. 2011	SUPERVISOR: D.T.	

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 5/21/2011

Weather: FOG - OVERCAST RAIN 50's - 70's **Page:** 1 of 1

Location (circle): NBHS Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	104306	SURVEY	start: 7:50	0.030	0.027	0.036	
Workzone	101603	1.002	start: 8:00	0.037	0.032	0.064	PID - 0
Nearby Receptor	104303	MAY2111	start: 8:10	0.034	0.032	0.036	
Downwind			start				
Upwind	104306	SURVEY	8:30	0.026	0.020	0.058	TWA 0.002
Workzone	101603	1.002	8:35	0.036	0.030	0.064	PID - 0.1 TWA 0.002
Nearby Receptor	104303	MAY2111	8:28	0.033	0.028	0.036	TWA 0.002
Downwind							
Upwind	104306	SURVEY	9:30	0.024	0.018	0.105	TWA 0.005
Workzone	101603	1.002	9:40	0.031	0.025	0.064	PID - 0.8 TWA 0.006
Nearby Receptor	104303	MAY2111	9:43	0.029	0.024	0.061	(HIGH HUMIDITY BACKGROUND) TWA 0.005
Downwind							
Upwind	104306	SURVEY	10:49	0.025	0.018	0.105	
Workzone	101603	1.002	10:51	0.032	0.025	0.064	PID 0 TWA 0.011
Nearby Receptor	104303	MAY2111	10:54	0.034	0.024	0.207	NEXT TO ACCESS ROAD TWA 0.011
Downwind							DUST SPIKE FROM ROAD. TWA 0.011
Upwind	104306	SURVEY	11:40	0.024	0.014	0.105	TWA 0.015
Workzone	101603	1.002	11:42	0.032	0.025	0.064	PID 0 TWA 0.015
Nearby Receptor	104303	MAY2111	11:50	0.034	0.022	0.207	TWA 0.016
Downwind							
Upwind	104306	SURVEY	13:25	0.021	0.008	0.105	TWA 0.014
Workzone	101603	1.002	13:30	0.031	0.024	0.064	PID 0 TWA 0.021
Nearby Receptor	104303	MAY2111	13:45	0.032	0.022	0.207	TWA 0.022
Downwind							
Upwind	104306	SURVEY	14:45	0.020	0.008	0.604	0.017 → TWA STREET SWEEP SPIKE
Workzone	101603	1.002	14:50	0.031	0.021	0.064	PID 0 TWA → 0.026
Nearby Receptor	104303	MAY2111	14:55	0.031	0.019	0.207	TWA → 0.026
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

6/20/2011

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: ______ SIGNATURE

MA PROFESSIONAL ENGINEER: LIC. #

Prepared by:

TRC

Prepared for:

The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION	
1	1-28-11	A.H.	RAM PLAN DESIGN DRAFT SUBMITTAL	D.T. A.C.H.
0	12-18-09	A.H.	CONCEPTUAL DESIGN SUBMITTAL	M.P. A.C.H.
				DESIGN SUPERVISOR PROJECT ENGINEER

DRAWING TITLE
EXCAVATION OVERVIEW

INITIATOR D.F.
DRAWN BY A.C.H.
START DATE JUN. 2009
CHECKED BY D.T.
SUPERVISOR D.T.
PROJECT ENGINEER A.C.H.

PROJECT TITLE
RAM PLAN DESIGN - DRAFT
NBHS
EXTERIOR REMEDY

SCALE 1" = 60'

PREPARED FOR
City of New Bedford
133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO.
C-101

1

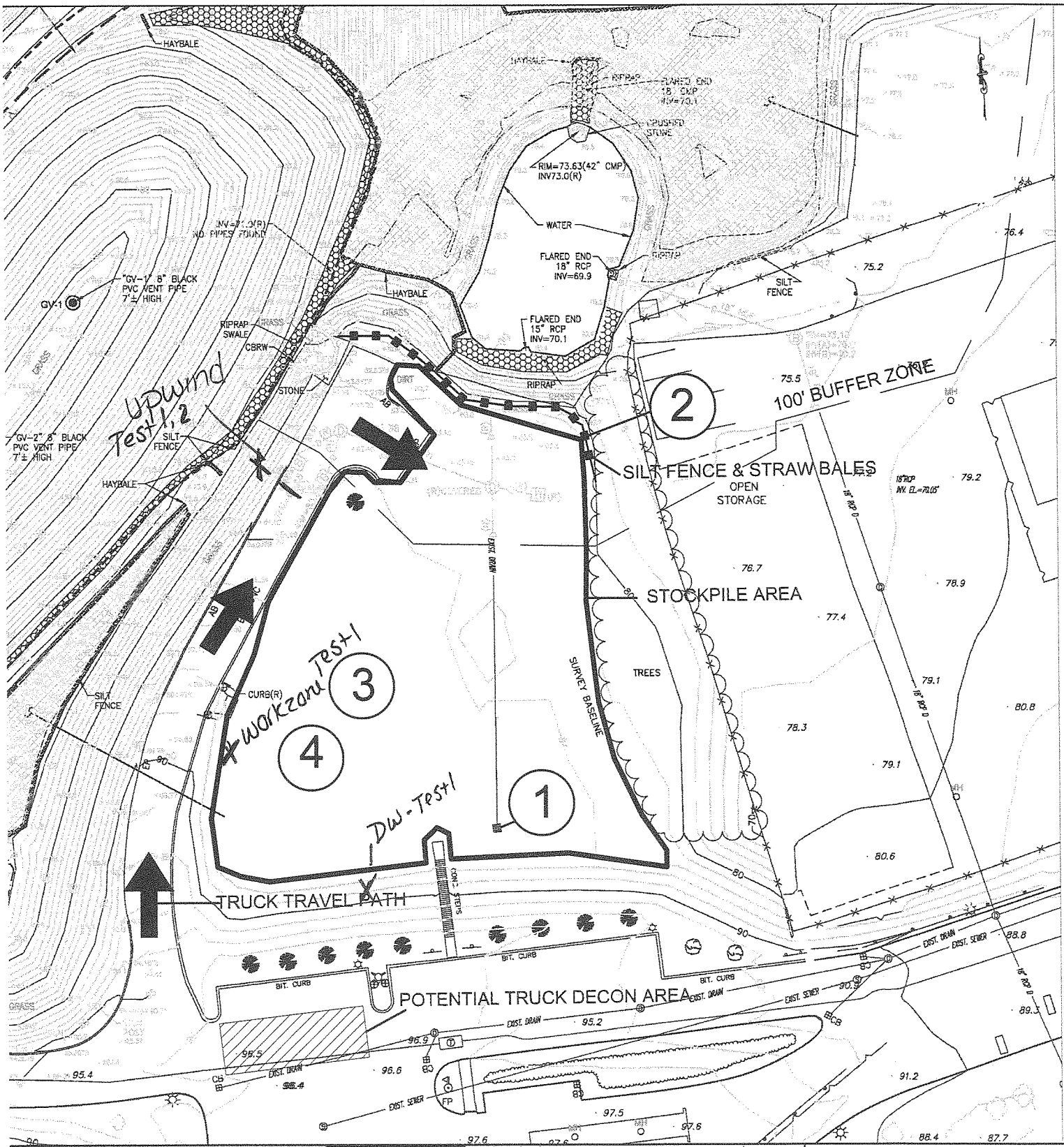
NHBS Field Daily Construction Excavation Monitoring Summary

Date: 6/20/2011

Weather: 65°F - 70°F, clear, sunny

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	02417	start 0827	0.011	0.010	0.013	6 service message when I turned unit on.
ON SITE	06237	start 0825	0.011	0.005	0.022	—
DOWN WIND	05593	start 0823	0.013	0.011	0.019	—
UPWIND	02417	0910	0.011	0.009	0.022	—
ON SITE	06237	0910	0.011	0.005	0.038	—
DOWN WIND	05593	0905	0.015	0.011	0.086	—
UPWIND	02417	1015	0.010	0.005	0.029	—
ON SITE	06237	1012	0.012	0.003	0.056	—
DOWN WIND	05593	1010	0.014	0.011	0.086	—
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND		stop				
ON SITE		stop				
DOWN WIND		stop				

NOTES



Prepared for:

The City of New Bedford
Massachusetts

WIND

REV	DATE	BY	DESCRIPTION
1	[illegible]	A.H.	ISSUE FOR CONSTRUCTION
0	[illegible]	A.H.	90% DRAFT DESIGN SUBMITTAL

D.T. / A.H. — DESIGN SUPERVISOR / PROJECT ENGINEER

DRAWING TITLE: OFFSITE TEMPORARY SOIL STORAGE AREA

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
A.H.	A.C.H.	D.T.	A.H.
	STATE DATE: FEB. 2011	SUPERVISOR: D.T.	

6/20/2011

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058)
Weather: 70's, Sunny, calm
Location (circle): NBHS / Shawmut Street
Date: 6/20/2011
Page: 1 of

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	06379	1	start: 0812				
Workzone	12711	1	start: 0810				
Nearby Receptor			start:				
Downwind	11824	1	start: 0807				
Upwind							
Workzone	12711	1	0905	0.011	0.008	0.017	
Nearby Receptor							
Downwind	11824	1	0903	-0.058	-0.085	0.005	
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

6/27/2011

LEGEND

ELECTRICAL MANHOLE
ELECTRICAL HANDHOLD
WATER MANHOLE WITH CONCRETE PAD
WATER MANHOLE WITH CONCRETE PAD
DRAINAGE MANHOLE
EXISTING GROUND SURFACE CONTOUR 1 FOOT INTERVAL
CATCH BASIN
FIRE HYDRANT
LIGHT POLE
ELECTRICAL POLE
BUILDING

CLEAN OUT
PROPERTY LINE
CHAIN LINK FENCE
SIGN
TREE WITH DIAMETER
VERTICAL GRANITE CURB
VERTICAL CONCRETE CURB
TELEPHONE MANHOLE
EDGE OF PAVEMENT
HANDICAP RAMP

ELECTRICAL LINE
SEWER LINE
DRAIN LINE
FLOW DIRECTION
PIPE DIAMETER/TYPE
METAL PIPE
CLAY PIPE
REINFORCED CONCRETE PIPE
COMMUNICATION LINE
OVERHEAD WIRE
GAS LINE
IF INDICATED, HIGH PRESSURE GAS LINE WITH DIAMETER
RIM ELEVATION
INVERT ELEVATION
SUMP ELEVATION
TELEPHONE LINE
WATER LINE
FIRE SERVICE LINE WITH DIAMETER
MANHOLE/CURB INLET

GRAPHIC SCALE
60' 0 30' 60' 120'
1"=60'

AREAS TO BE GRADED IN SUPPORT OF PARKING AREA CONSTRUCTION

AREAS TO BE EXCAVATED

MAP 70 LOT 1
MAP 75 LOT 12
MAP 69 LOTS 345 & 480

HOUSE #4
HOUSE #3
HOUSE #2
HOUSE #1
HIGH SCHOOL
CREATIVE ARTS
BOY'S GYM
GIRL'S GYM
SCIENCE CENTER INSTRUCTIONAL MATERIALS FOOD SERVICE

TENNIS COURTS
VOLLEYBALL COURTS
PLAYFIELD
BASEBALL FIELD
PARKING LOT
RINK

SEE SHEET C-104A
SEE SHEET C-104B
SEE SHEET C-104C
SB-360
SS-36
SB-270
SB-308
SS-32
HD-19 & HD-20 & HD-21
HB-23 & HC-22
HB-39 & HB-40
HE-44 & HF-43

Upwind Unit # 11824 — Test 1,2
Downwind Unit # 12711 — Test 2
Workzone Unit # 02417 — Test 1
Workzone Unit # 02417 — Test 2
Downwind Unit # 12711 — Test 3
Test 4
Downwind Unit # 12711
Workzone Unit # 02417 — Test 3

PARKER STREET
HATHAWAY BOULEVARD
COMMONWEALTH OF MASSACHUSETTS
M: 75 L: 8
N/F
TOWN OF MASSACHUSETTS
725/1069

ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING
DATE: _____ SIGNATURE
MA PROFESSIONAL ENGINEER:
LIC. #

Prepared by: TRC

Prepared for:
The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION	
1	1-28-11	A.H.	RAM PLAN DESIGN DRAFT SUBMITTAL	D.T.
0	12-18-09	A.H.	CONCEPTUAL DESIGN SUBMITTAL	M.P.
				A.C.H.
				DESIGN SUPERVISOR
				PROJECT ENGINEER

DRAWING TITLE: EXCAVATION OVERVIEW

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
D.F.	A.C.H.	D.T.	A.C.H.
	START DATE: JUN. 2009	SUPERVISOR: D.T.	

PROJECT TITLE: RAM PLAN DESIGN - DRAFT
NBHS
EXTERIOR REMEDY

SCALE: 1" = 60'

PREPARED FOR: City of New Bedford
133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO. C-101 — 1

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 6/27/2011

Weather: 75-80°F, sunny **Page:** 1 of 1

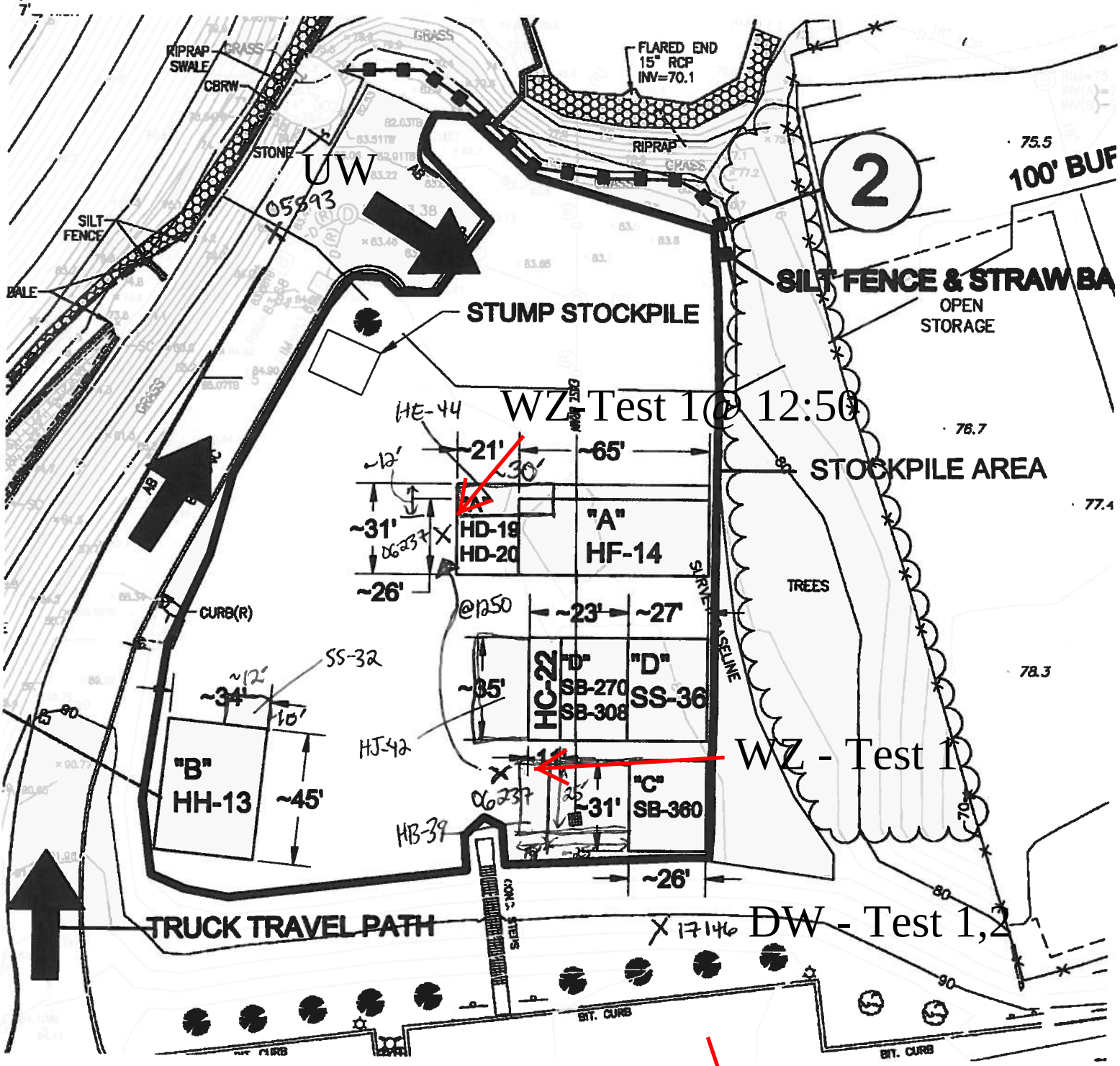
Location (circle): NBHS Shawmut Street

Position	Unit ID	Test #	Time (690)	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	11824		start: ~~0850~~	na	na	na	troubleshooting instrument
Workzone	02417	1	start: 0850	0.008	0.006	0.027	
Nearby Receptor			start:				
Downwind	12711	2	start: ~~0850~~	0.023	0.009	0.406	
Upwind	11824		0915	na	na	na	Unit not working
Workzone	02417	1	0915	0.008	0.006	0.027	erroneous readings
Nearby Receptor							HJ-42
Downwind	12711	2	0915	0.023	0.009	0.406	
Upwind			1015				
Workzone	02417	1	1015	0.006	0.003	0.063	HJ-42
Nearby Receptor							
Downwind	12711	2	1015	0.037	0.008	5.70	*There has been no visible dust, reading must be instrument error
Upwind							
Workzone	02417		1100				
Nearby Receptor							HJ-42
Downwind	12711		1100	0.027	0.007	5.70	
Upwind							
Workzone	02417		1145	0.007	0.002	0.087	*moved unit to HE-44 after taking readings
Nearby Receptor							
Downwind			1145	0.025	0.007	5.70	*moved unit to HE-44
Upwind							
Workzone	02417	2	13:05	0.007	0.004	0.044	HE-44
Nearby Receptor							
Downwind	12711	3	13:05	0.022	0.010	0.689	HE-44
Upwind							
Workzone	02417	2	1350	0.006	0.003	0.044	HE-44
Nearby Receptor							
Downwind	12711	3	1350	0.022	0.009	2.07	HE-44
Upwind							
Workzone	02417	2	1440	0.008	0.003	0.167	* moving to HB-39 after taking these readings
Nearby Receptor							
Downwind	12711	3	1440	0.022	0.009	2.07	
Upwind							HB-39
Workzone	02417	3	1550	0.006	0.004	0.031	↓
Nearby Receptor							
Downwind	12711	4	1550	0.016	0.010	0.578	

NOTES: * - All units in mg/m³

Turned off @ ~1550

APPROXIMATE STOCKPILE LOCATIONS AND FOOTPRINTS AS OF 4/26/2011



6/27/2011

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 6/27/2011

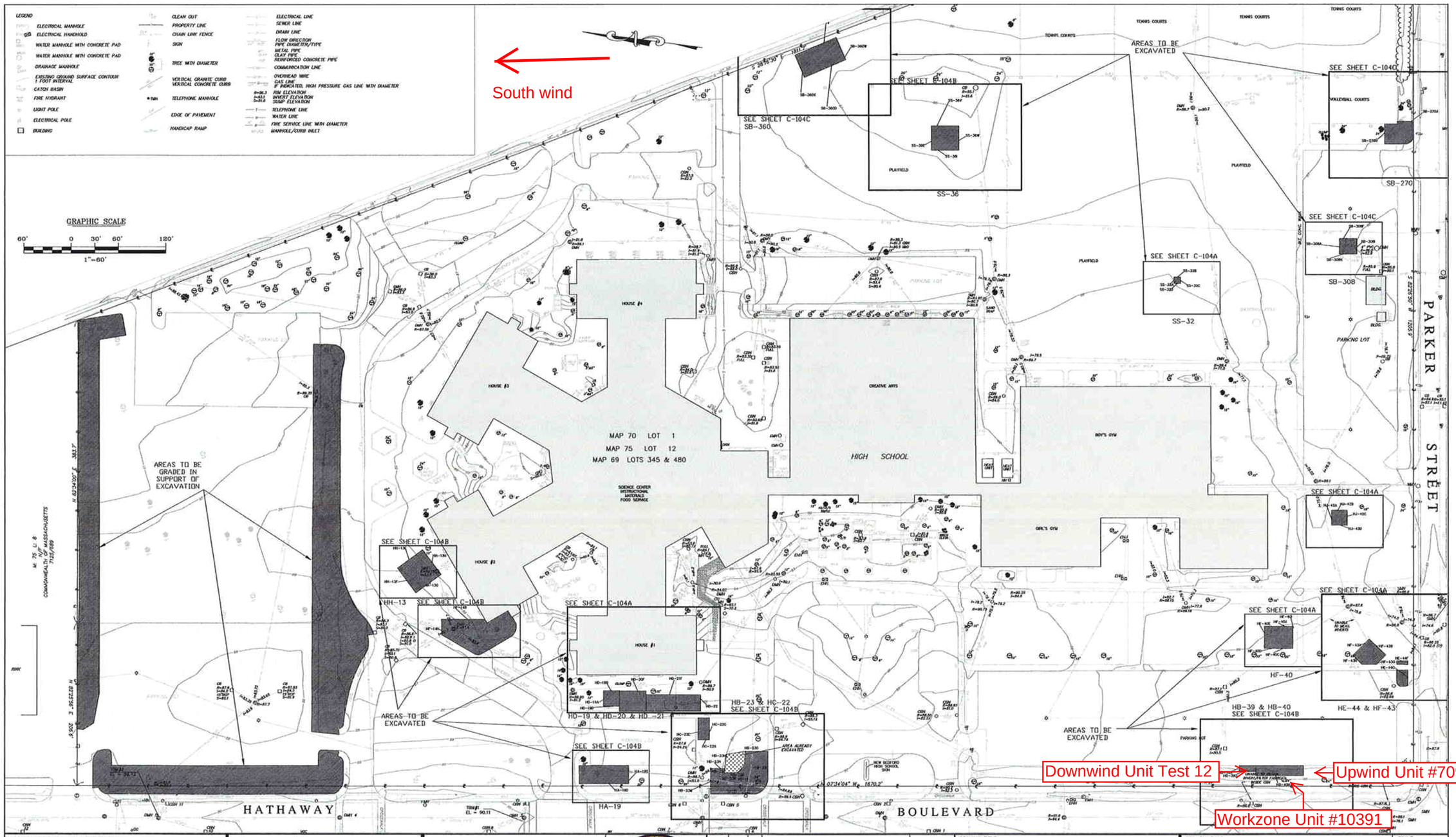
Weather: 80's, sunny, clear, light breeze N→S **Page:** 1 of 1

Location (circle): NBHS Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	05593	1	start: 0916				
Workzone	06237	1	start: 0908				
Nearby Receptor			start:				
Downwind	17146	1	start: 0912				
Upwind	05593	1	0933	0.014	0.010	0.056	
Workzone	06237	1	0934	0.017	0.008	0.134	
Nearby Receptor							
Downwind	17146	1	0935	0.016	0.009	0.358	
Upwind	05593	1	1011	0.013	0.010	0.056	
Workzone	06237	1	1013	0.032	0.007	2.94	
Nearby Receptor							
Downwind	17146	1	1015	0.020	0.009	0.451	Sample interval = 1 sec, End Test 1, Start Test 2
Upwind	05593	1	1305	0.018	0.008	0.837	Note: Wind Direction now S→N
Workzone	06237	1	1307	0.020	-0.014	2.94	Went negative when enclosure was opened
Nearby Receptor							↳ change of position to stockpile A @ 1250
Downwind	17146	2	1310	0.011	0.005	0.054	
Upwind	05593	1	1514	0.022	0.008	3.11	End Test ID 1
Workzone	06237	1	1518	0.023	-0.015	7.80	End Test ID 1
Nearby Receptor							
Downwind	17146	2	1521	0.013	0.005	0.207	End Test ID 2
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

7/5/25011



ENGINEER IN RESPONSIBLE CHARGE OF THE WORK SHOWN ON THIS DRAWING

DATE: _____ SIGNATURE _____

MA PROFESSIONAL ENGINEER: _____

LIC. # _____

Prepared by: TRC

Prepared for:

The City of New Bedford
Massachusetts

REV	DATE	BY	DESCRIPTION	DESIGN SUPERVISOR	PROJECT ENGINEER
1	1-09-10	A.H.	RAM PLAN DESIGN DRAFT SUBMITTAL	D.T.	A.C.H.
0	12-18-09	A.H.	CONCEPTUAL DESIGN SUBMITTAL	M.P.	A.C.H.

DRAWING TITLE: EXCAVATION OVERVIEW

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
D.F.	A.C.H.	D.T.	A.C.H.
START DATE: JUN. 2009	SUPERVISOR: D.T.		

PROJECT TITLE: RAM PLAN DESIGN - DRAFT
NBHS
EXTERIOR REMEDY

SCALE: 1" = 60'

PREPARED FOR: City of New Bedford
133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740

DRAWING NO. C-101 (1)

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 7/5/2011

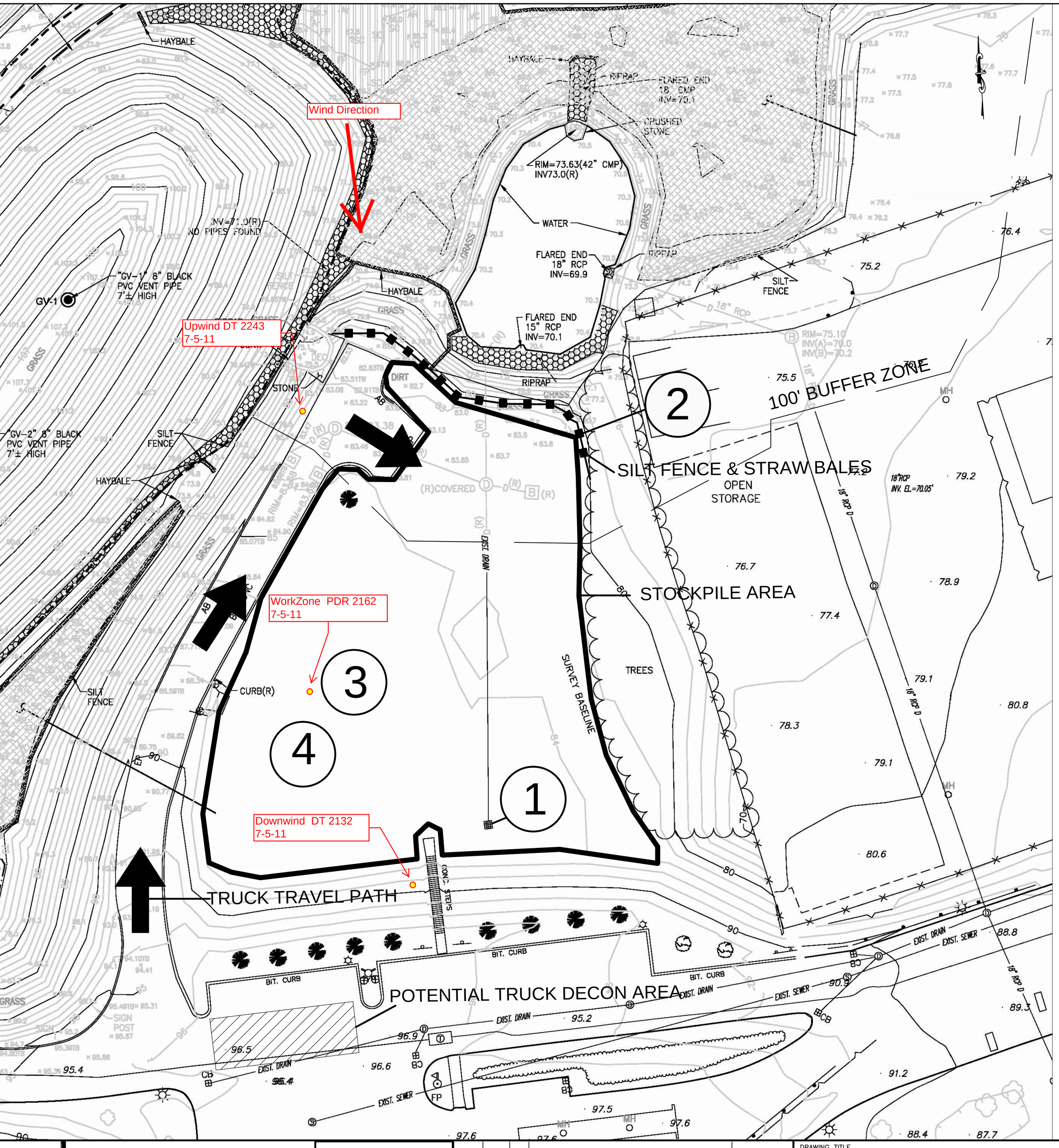
Weather: sunny + clear, 80°F **Page:** of

Location (circle): NBHS Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	07098	4	start: 0830	0.044	0.035	0.081	HB-40
Workzone	10319	8	start: 0830	0.041	0.038	0.044	HB-40
Nearby Receptor			start: ~~0830~~				
Downwind	65591	12	start: 0830	0.047	0.043	0.071	HB-40
~~Upwind~~	~~05591~~	~~12~~					
~~Workzone~~	~~10319~~	~~8~~					
Nearby Receptor							
~~Downwind~~	~~05591~~	~~4~~					
Upwind	07098	4	0950	0.043	0.026	1.31	
Workzone							
Nearby Receptor	10319	8	0950	0.039	0.029	0.082	
Downwind	05591	12	0950	0.040	0.031	0.093	
Upwind	07098	4	1050	0.041	0.017	1.31	
Workzone							
Nearby Receptor	10319	8	1050	0.036	0.025	0.149	
Downwind	05591	12	1050	0.044	0.028	1.16	HB-40
Upwind	07098		1130	0.042	0.017	1.31	
Workzone			1130	0.036	0.022	0.429	
Nearby Receptor	10319						
Downwind	~~05591~~ 05591		1130	0.042	0.024	1.16	
Upwind	07098		1315	0.042	0.017	1.31	
Workzone	10319		1315	0.035	0.022	0.429	
Nearby Receptor							
Downwind	05591		1315	0.045	0.024	1.16	
Upwind	07098		1425	0.042	0.017	1.31	
Workzone	10319		1425	0.034	0.021	0.429	
Nearby Receptor							
Downwind	05591		1425	0.049	0.024	1.22	
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

Switch

NOTES: * - All units in mg/m^3



Prepared for:

The City of New Bedford
Massachusetts

C:\Documents and Settings\AHamilton\Desktop\NBHS 90% SPOT EXCAVATION SUBMITTAL - FEB 2011\SEAL.bbg.jpg

REV	DATE	BY	DESCRIPTION	DESIGN SUPERVISOR / PROJECT ENGINEER
1	3-31-11	A.H.	ISSUE FOR CONSTRUCTION	D.T. / A.H.
0	2-24-11	A.H.	90% DRAFT DESIGN SUBMITTAL	D.T. / A.H.

DRAWING TITLE

OFFSITE TEMPORARY SOIL STORAGE AREA

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
A.H.	A.C.H.	D.T.	A.H.
	START DATE: FEB. 2011	SUPERVISOR: D.T.	

Daily Field Log - Dust Monitoring Data

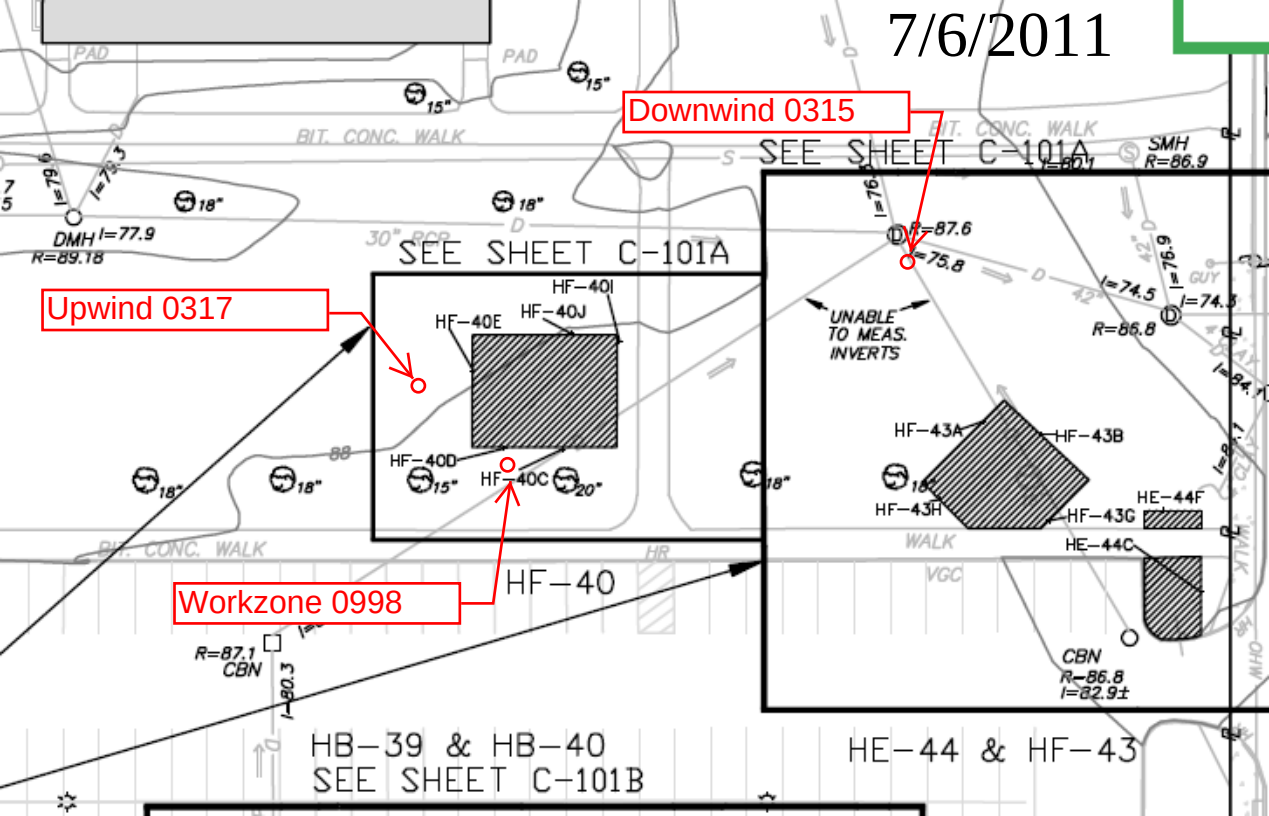
Project: City of New Bedford (115058) Date: 7/5/2011

Weather: HOT CLEAR UPPER 60s-80s WIND 1-5MPH N-S Page: of

Location (circle): NBHS Shawmut Street CURR / AUE.

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	8520 2243	1	start: 9:00	0.034/0.075	0.035	1.54	TOP 22:40
Workzone	PDR	N/A	start: 9:03	0.004/0.096	0.004	0.830	STEL 0.133 PID Ø
Nearby Receptor	8520 2132	1	start: 9:06	0.054/0.038	0.029	0.070	T.O.P. 20:00
Downwind			start:				
Upwind	2243	1	9:45	0.031/0.055	0.030	1.54	
Workzone	PDR	N/A	9:50	0.002/0.050	0.002	0.830	STEL 0.133 PID Ø
Nearby Receptor	2132	1	9:53	0.062/0.080	0.021	3.85	
Downwind							
Upwind	2243	1	10:40	0.025/0.043	0.025	1.54	
Workzone	PDR		10:45	0.028/0.143	0.002	6.882	STEL 0.476 PID 0
Nearby Receptor							
Downwind	2132	1	10:48	0.090/0.075	0.021	3.85	
Upwind	2243	1	12:20	0.062/0.049	0.021	4.51	TOP 3:24
Workzone	PDR		12:23	0.014/0.147	0.002	7.762	STEL 0.732 PID: 0
Nearby Receptor							
Downwind	2132	1	12:25	0.096/0.080	0.021	3.85	TOP 3:20 NOW UPWIND
Upwind	2243	1	13:05	0.043/0.059	0.021	5.52	TOP 4:04
Workzone	PDR	N/A	13:10	0.019/0.144	0.002	7.762	STEL 0.732 TOP 4:05 PID Ø
Nearby Receptor							
Downwind	2132	1	13:15	0.087/0.087	0.021	3.85	TOP 4:10
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3


7/6/2011
Downwind 0315
Upwind 0317
Workzone 0998
SEE SHEET C-101A
SEE SHEET C-101A
HF-40
HF-40I
HF-40E
HF-40J
HF-40D
HF-40C
UNABLE TO MEAS. INVERTS
HF-43A
HF-43B
HF-43H
HF-43G
HE-44F
HE-44C
CBN R=86.8 l=82.9±
CBN R=87.1
DMH l=77.9 R=89.18
SMH R=86.9
R=86.8
HB-39 & HB-40
SEE SHEET C-101B
HE-44 & HF-43
BIT. CONC. WALK
PAD
VGC
GUY

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) Date: 7/6/2011

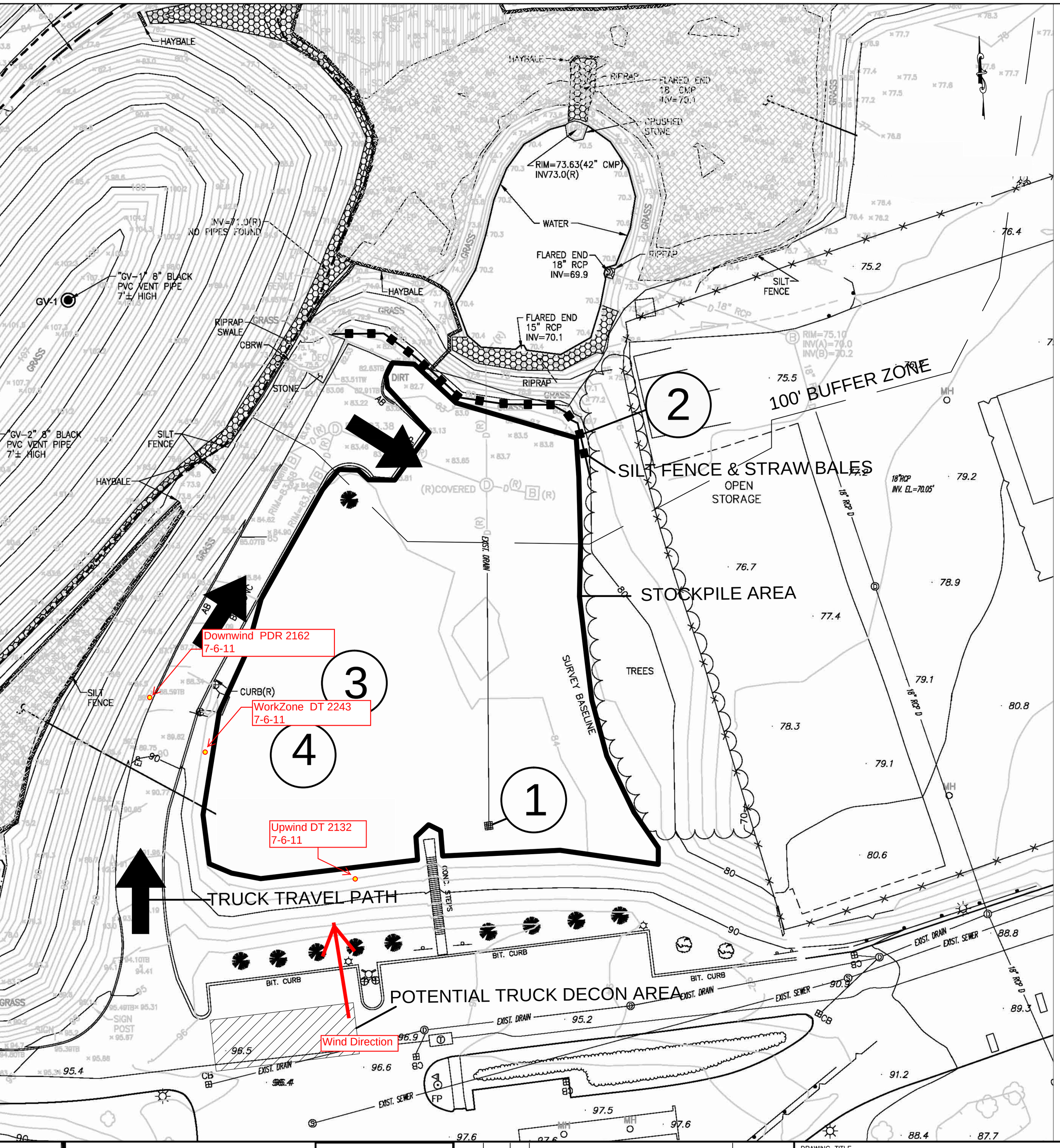
Weather: CLEAR SUNNY Page: of

Location (circle): NBHS HE-40 Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	0317	1-1	start: 8:20	0.046/0.047	0.042	0.062	T.O.P. 17
Workzone	0998	1-1	start: 8:19	0.048/0.050	0.041	1.25	T.O.P. 23 PID Ø
~~Nearby Receptor~~	4	4	start: 8:20	0.042/0.080	0.039	1.94	T.O.P 24
Downwind	0315	1-1	start:				
~~Down~~Upwind	0315	1-1	9:40	0.037/0.110	0.035	2.14	
Workzone	0998	1-1	9:42	0.038/0.091	0.034	4.12	PID Ø
Nearby Receptor		1-1	9:47	0.037/0.042	0.035	0.093	
~~Up~~ Downwind	0317						
Upwind	0317	1-1	10:55	0.035/0.039	0.033	0.093	T.O.P. 2:33
Workzone	0998	1-1	10:57	0.037/0.069	0.033	4.12	PID Ø T.O.P. 2.40
Nearby Receptor							
Downwind	0315	1-1	10:59	0.032/0.075	0.031	2.14	T.O.P. 2:40
Upwind	0317		11:53	0.036/0.038	0.033	0.093	T.O.P. 3:29
Workzone	0998		11:50	0.038/0.061	0.033	4.12	T.O.P 3:33 P.I.D Ø
Nearby Receptor							
Downwind	0315		11:48	0.033/0.066	0.030	2.14	T.O.P. 3:28
Upwind	0317	1-1	12:51	0.049/0.039	0.033	0.093	T.O.P. 4:30
Workzone	0998	1-1	12:55	0.044/0.058	0.033	4.12	T.O.P 4:36 P.I.D. Ø
Nearby Receptor							
Downwind	0315	1-1	13:00	0.047/0.060	0.030	2.14	T.O.P. 4:35
Upwind	0317	1-1	13:57	0.060/0.042	0.033	0.484	T.O.P. 5:35
Workzone	0998	1-1	13:59	0.067/0.057	0.033	4.12	P.I.D. Ø T.O.P. 5:42
Nearby Receptor							
Downwind	0315	1-1	14:00	0.060/0.059	0.030	2.14	T.O.P. 5:40
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

7/6/2011



Prepared for:

The City of New Bedford
Massachusetts

C:\Documents and Settings\AHamilton\Desktop\NBHS 90% SPOT EXCAVATION SUBMITTAL - FEB 2011\SEAL.bbg.jpg

REV	DATE	BY	DESCRIPTION	
1	3-31-11	A.H.	ISSUE FOR CONSTRUCTION	D.T. / A.H.
0	2-24-11	A.H.	90% DRAFT DESIGN SUBMITTAL	D.T. / A.H.
				DESIGN SUPERVISOR / PROJECT ENGINEER

DRAWING TITLE

OFFSITE TEMPORARY SOIL STORAGE AREA

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
A.H.	A.C.H.	D.T.	A.H.
	START DATE: FEB. 2011	SUPERVISOR: D.T.	

Daily Field Log - Dust Monitoring Data

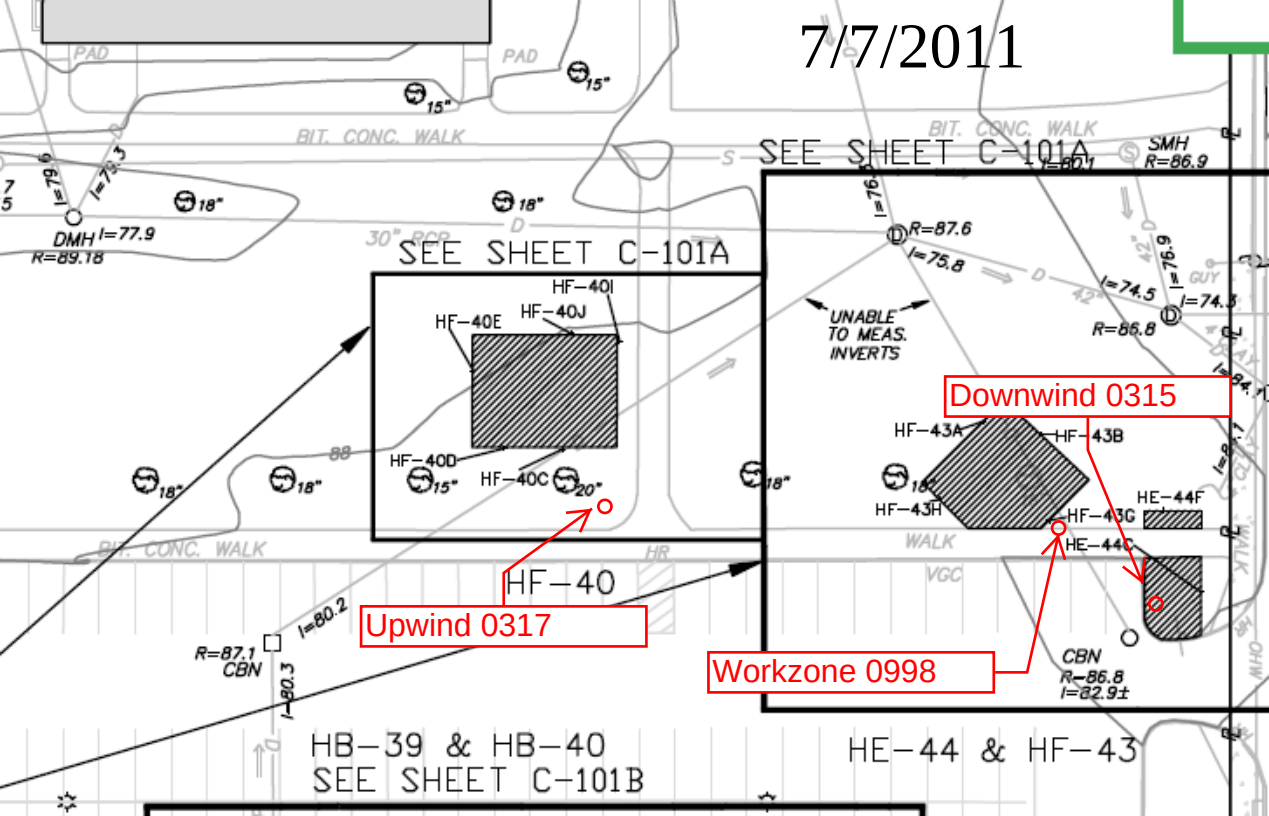
Project: City of New Bedford (115058) **Date:** 7/6/2011

Weather: 80's, humid, sunny **Page:** of

Location (circle): NBHS (Shawmut Street)

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	PDR 2163	1	start: 849				
Workzone	2243	2	start: 848				
Nearby Receptor			start:				
Downwind	2132	2	start: 850	0.0			
Upwind	PDR 2163		0916	0.062	0.030	0.497	STEL = 0.052 downwind
Workzone	2243		0918	0.042	0.029	0.150	
Nearby Receptor							
Downwind	2132	2	0920	0.002	-0.008	0.041	slightly upwind
Upwind	PDR		1030	0.052	0.030	0.526	STEL = 0.054
Workzone	2243	2	1029	0.039	0.027	1.13	
Nearby Receptor							
Downwind	2132	2	1026	0.005	-0.011	0.070	
Upwind	PDR		1118	0.048	0.028	0.526	downwind STEL = 0.084
Workzone	2243		1117	0.037	0.026	1.13	
Nearby Receptor							
Downwind	2132	2	1115	0.010	-0.011	0.078	upwind
Upwind	PDR		1255	0.044	0.026	0.526	downwind STEL = 0.084
Workzone	2243	2	1254	0.037	0.026	1.13	
Nearby Receptor							
Downwind	2132	2	1252	0.017	-0.011	0.091	upwind
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3


7/7/2011
SEE SHEET C-101A
SEE SHEET C-101A
HF-40I
HF-40E
HF-40J
HF-40D
HF-40C
HF-40
UNABLE TO MEAS. INVERTS
Downwind 0315
HF-43A
HF-43B
HF-43H
HF-43G
HE-44F
HE-44C
Upwind 0317
Workzone 0998
HB-39 & HB-40
SEE SHEET C-101B
HE-44 & HF-43
DMH
SMH
CBN
CBN
BIT. CONC. WALK
PAD
30" RCP
18"
15"
20"

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 9/7/2011

Weather: **Page:** 1 of 1

Location (circle): (NBHS) HP-43 Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	0317	1-1	start: 8:00				
Workzone	0315	1-1	start: 8:15				PID 0-1 ppm EXHAUST.
Nearby Receptor		1-1	start:				
Downwind	0998		start: 8:10				
Upwind	0317	1-1	0914	0.054	0.034	1.22	
Workzone	0315	1-1	0921	0.168	0.086	4.64	PID - 0.0 ppm
Nearby Receptor							
Downwind	0998	1-1	0916	0.048	0.024	0.272	
Upwind	0317	1-1	1020	0.044	0.031	1.22	
Workzone	0315	1-1	1021	0.156	0.035	4.64	PID - 0.0 ppm
Nearby Receptor							
Downwind	0998	1-1	1023	0.044	0.023	0.386	
Upwind	0317	1-1	11:40	0.028/0.039	0.024	1.22	T.OP. 3:33
Workzone	0315	1-1	11:42	0.027/0.139	0.023	4.64	T.OP. 3:31 PID - 0
Nearby Receptor							
Downwind	0998	1-1	11:44	0.046/0.072	0.021	2.73	T.OP. 3:54
Upwind	0317	1-1	13:00	0.026/0.036	0.024	1.22	T. OP. 4:57
Workzone	0315	1-1	13:05	0.044/0.113	0.023	4.72	T. OP. 4:56 PID - 0
Nearby Receptor							
Downwind	0998	1-1	13:10	0.042/0.070	0.021	4.59	T. OP. 4:58
Upwind	0317	1-1	15:10	0.049/0.044	0.024	1.22	T. OP. 7:09
Workzone	0315	1-1	15:15	0.046/0.094	0.023	4.72	T. OP. 7:08 PID - 0
Nearby Receptor							
Downwind	0998	1-1	15:20	0.042/0.065	0.014	4.59	T. OP. 7:12
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

HAYBALE
HAYBALE
RIPRAP
FLARED END
18" CMP
INV=70.1
CRUSHED
STONE
RIM=73.63(42" CMP)
INV73.0(R)
WATER
INV=71.0(R)
NO PIPES FOUND
"GV-1" 8" BLACK
PVC VENT PIPE
7'± HIGH
GV-1
FLARED END
18" RCP
INV=69.9
RIPRAP
SILT
FENCE
HAYBALE
GRASS
RIPRAP
SWALE
CBRW
FLARED END
15" RCP
INV=
Downwind DT 2243
7-7-11
DIRT
STONE
RIPRAP
"GV-2" 8" BLACK
PVC VENT PIPE
7'± HIGH
SILT
FENCE
HAYBALE
2
100' BUFFER ZONE
SILT FENCE & STRAW BALES
OPEN
STORAGE
EXIST. DRAIN
WorkZone DT 2132
7-7-11
STOCKPILE AREA
SURVEY BASELINE
TREES
SILT
FENCE
CURB(R)
3
4
1
Upwind DT 2133
7-7-11
TRUCK TRAVEL PATH
CONC. STEPS
BIT. CURB
BIT. CURB
BIT. CURB
POTENTIAL TRUCK DECON AREA
Wind Direction
SIGN
POST
EXIST. DRAIN
EXIST. SEWER
EXIST. DRAIN
EXIST. SEWER
EXIST. DRAIN
EXIST. SEWER
FP
MH
MH
CB
CB
CB
CB
18" RCP D
18"RCP
INV. EL.=70.05'
RIM=75.10
INV(A)=70.0
INV(B)=70.2
GRASS
76.4
75.2
75.5
76.7
77.4
78.3
79.1
79.2
78.9
80.8
80.6
88.8
89.3
91.2
88.4
87.7
95.4
96.5
96.6
96.4
96.9
95.2
90.9
97.5
97.6

Prepared for:

The City of New Bedford
Massachusetts

C:\Documents and Settings\AHamilton\Desktop\NBHS 90% SPOT EXCAVATION SUBMITTAL - FEB 2011\SEAL.bbg.jpg

REV	DATE	BY	DESCRIPTION	DESIGN SUPERVISOR / PROJECT ENGINEER
1	3-31-11	A.H.	ISSUE FOR CONSTRUCTION	D.T. / A.H.
0	2-24-11	A.H.	90% DRAFT DESIGN SUBMITTAL	D.T. / A.H.

DRAWING TITLE

OFFSITE TEMPORARY SOIL STORAGE AREA

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
A.H.	A.C.H.	D.T.	A.H.
	START DATE: FEB. 2011	SUPERVISOR: D.T.	

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 7/7/2011

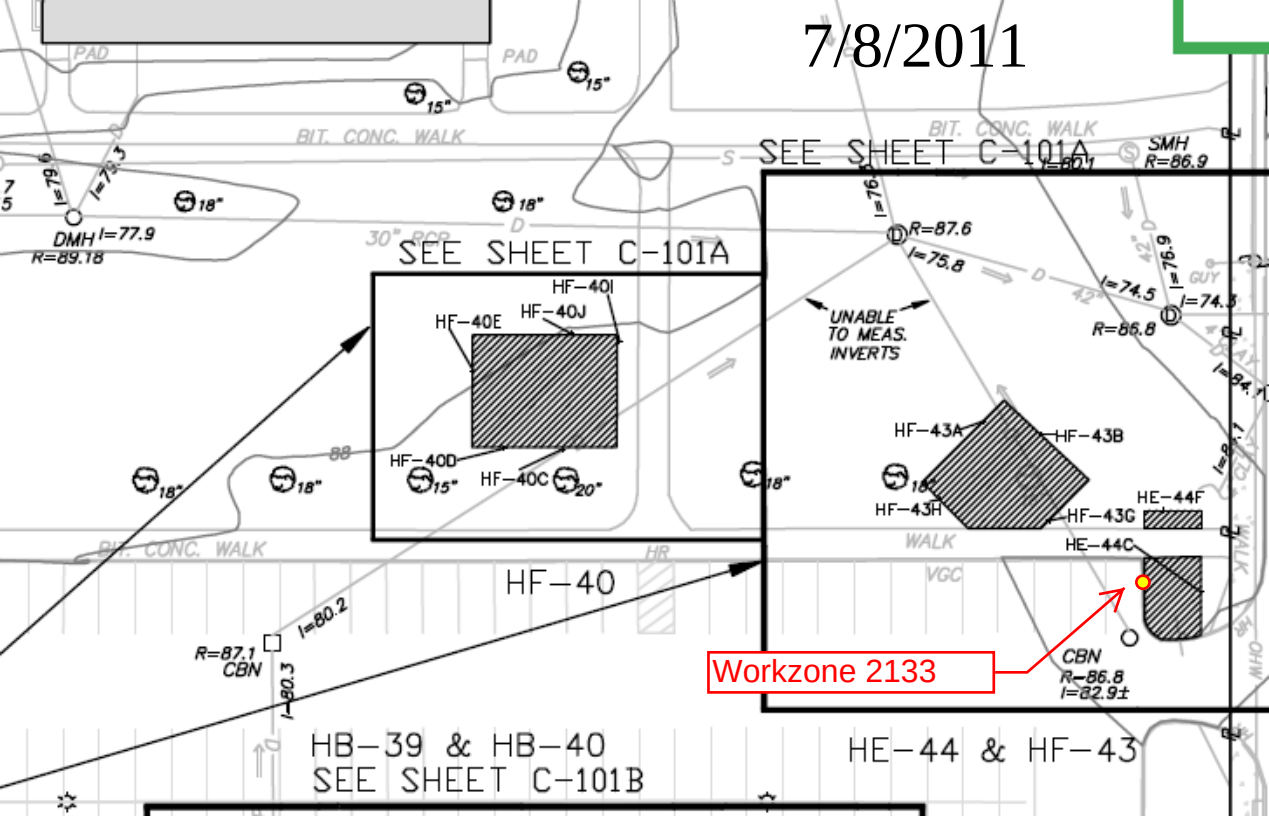
Weather: PARTLY CLOUDY HOT **Page:** 1 of 1

Location (circle): NBHS (Shawmut Street)

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	2243	1-1	start. 8:33				
Workzone	2132	2-1	start. 8:35				
Nearby Receptor			start:				
Downwind	2133	1-1	start: 8:45				
Upwind	2243	1-1	1000	0.034	0.023	0.061	
Workzone	2132	2-1	1002	0.029	0.017	0.396	PID = 0.0 ppm
Nearby Receptor							
Downwind	2133	1-1	1005	0.061	0.037	0.126	
Upwind	2243	1-1	1119	0.030	0.020	0.061	
Workzone	2132	2-1	1118	0.033	0.016	0.396	PID = 0.0 ppm
Nearby Receptor							
Downwind	2133	1-1	1116	0.057	0.033	0.126	
Upwind	2243	1-1		0.028	0.019	0.451	
Workzone	2132	2-1	1223	0.037	0.016	0.396	PID = 0 ppm
Nearby Receptor							
Downwind	2133	1-1	1222	0.050	0.031	0.126	
Upwind	2243	1-1	1316	0.028	0.018	0.451	
Workzone	2132	2-1	1315	0.038	0.016	0.396	PID = 0.0
Nearby Receptor							
Downwind	2133	1-1	1318	0.047	0.031	0.126	
Upwind	2243	1-1	1435	0.075	0.018	2.70	
Workzone	2132	2-1	1436	0.044	0.016	3.00	0.0 ppm
Nearby Receptor							
Downwind	2133	1-1	1439	0.047	0.031	0.202	
Upwind	2243	1-1	1509	0.037	0.018	2.70	
Workzone	2132	2-1	1512	0.046	0.016	3.00	0.0 ppm
Nearby Receptor							
Downwind	2133	1-1	1519	0.048	0.031	0.202	
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3

7/8/2011


SEE SHEET C-101A
HF-40I
HF-40E
HF-40J
HF-40D
HF-40C
HF-40
UNABLE TO MEAS. INVERTS
HF-43A
HF-43B
HF-43H
HF-43G
HE-44F
HE-44C
Workzone 2133
CBN
R=86.8
l=82.9±
SMH
R=86.9
R=87.6
l=75.8
l=74.5
l=74.3
R=86.8
R=87.1
CBN
l=80.2
l=80.3
HB-39 & HB-40
SEE SHEET C-101B
HE-44 & HF-43
DMH l=77.9
R=89.18
l=79.6
l=79.3
30" RCP
BIT. CONC. WALK
PAD
18"
15"
20"

HAYBALE
HAYBALE
RIPRAP
FLARED END
18" CMP
INV=70.1
CRUSHED
STONE
RIM=73.63(42" CMP)
INV73.0(R)
WATER
INV=71.0(R)
NO PIPES FOUND
"GV-1" 8" BLACK
PVC VENT PIPE
7'± HIGH
GV-1
FLARED END
18" RCP
INV=69.9
RIPRAP
SILT
FENCE
HAYBALE
GRASS
RIPRAP
SWALE
CBRW
GRASS
FLARED END
15" RCP
INV=70.1
STONE
DIRT
RIPRAP
GRASS
RIM=75.10
INV(A)=70.0
INV(B)=70.2
100' BUFFER ZONE
"GV-2" 8" BLACK
PVC VENT PIPE
7'± HIGH
SILT
FENCE
HAYBALE
SILT FENCE & STRAW BALES
OPEN
STORAGE
18"RCP
INV. EL.=70.05'
EXIST. DRAIN
STOCKPILE AREA
Wind Direction
SURVEY BASELINE
TREES
SILT
FENCE
CURB(R)
HEAVY RAINS 7-8-2011
NO DUST TRAKS DEPLOYED
TRUCK TRAVEL PATH
CONC. STEPS
BIT. CURB
BIT. CURB
BIT. CURB
POTENTIAL TRUCK DECON AREA
EXIST. DRAIN
EXIST. SEWER
EXIST. DRAIN
EXIST. SEWER
SIGN
POST
CB
CB
FP
MH
MH
CB
MH
1
2
3
4

Prepared for:

The City of New Bedford
Massachusetts

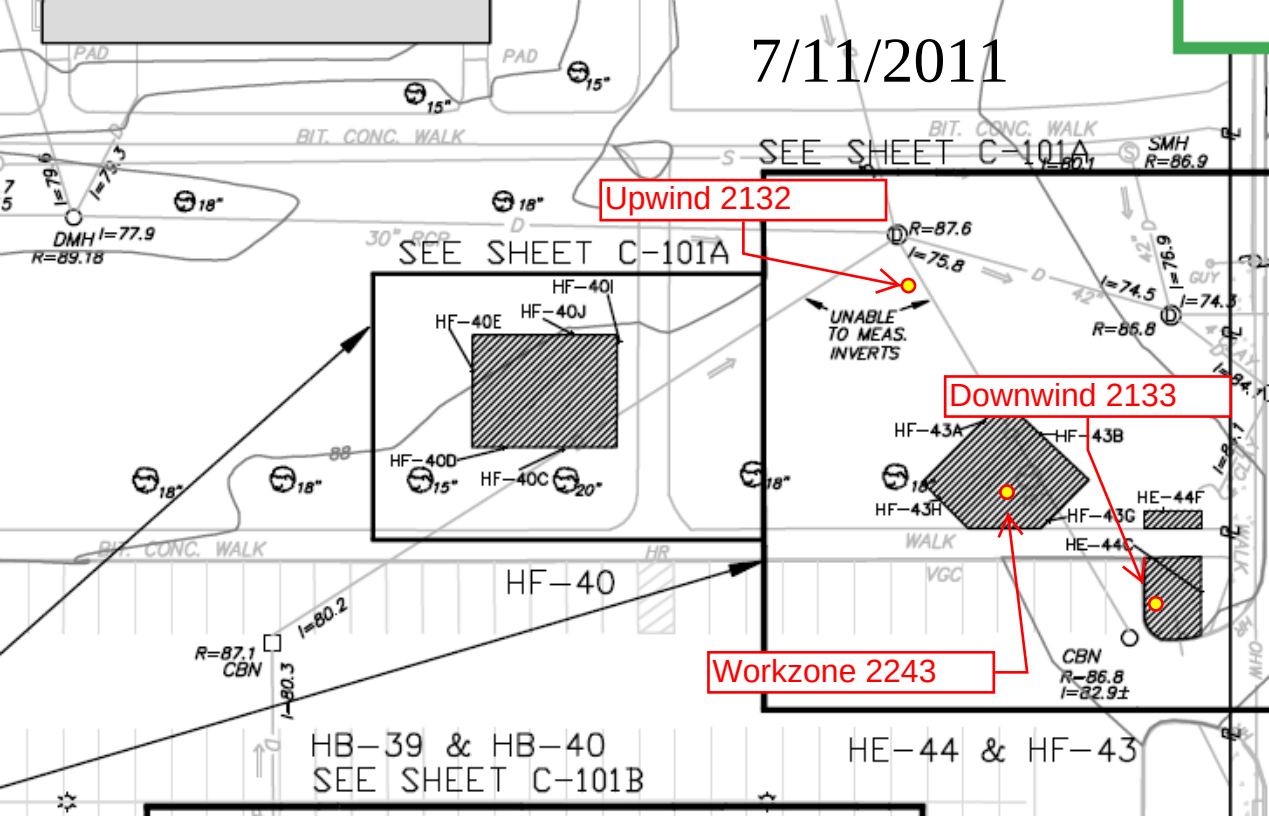
C:\Documents and Settings\Ahamilton\Desktop\NBHS 90% SPOT EXCAVATION SUBMITTAL - FEB 2011\SEAL.bbg.jpg

REV	DATE	BY	DESCRIPTION	DESIGN SUPERVISOR / PROJECT ENGINEER
1	3-31-11	A.H.	ISSUE FOR CONSTRUCTION	D.T. / A.H.
0	2-24-11	A.H.	90% DRAFT DESIGN SUBMITTAL	D.T. / A.H.

DRAWING TITLE

OFFSITE TEMPORARY SOIL STORAGE AREA

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
A.H.	A.C.H.	D.T.	A.H.
	START DATE: FEB. 2011	SUPERVISOR: D.T.	


7/11/2011
Upwind 2132
Downwind 2133
Workzone 2243
SEE SHEET C-101A
SEE SHEET C-101A
HF-40
HB-39 & HB-40
SEE SHEET C-101B
HE-44 & HF-43
HF-40I
HF-40J
HF-40E
HF-40D
HF-40C
HF-43A
HF-43B
HF-43H
HF-43G
HE-44F
HE-44C
UNABLE TO MEAS. INVERTS
DMH
SMH
CBN
BIT. CONC. WALK
PAD
GUY

Daily Field Log - Dust Monitoring Data

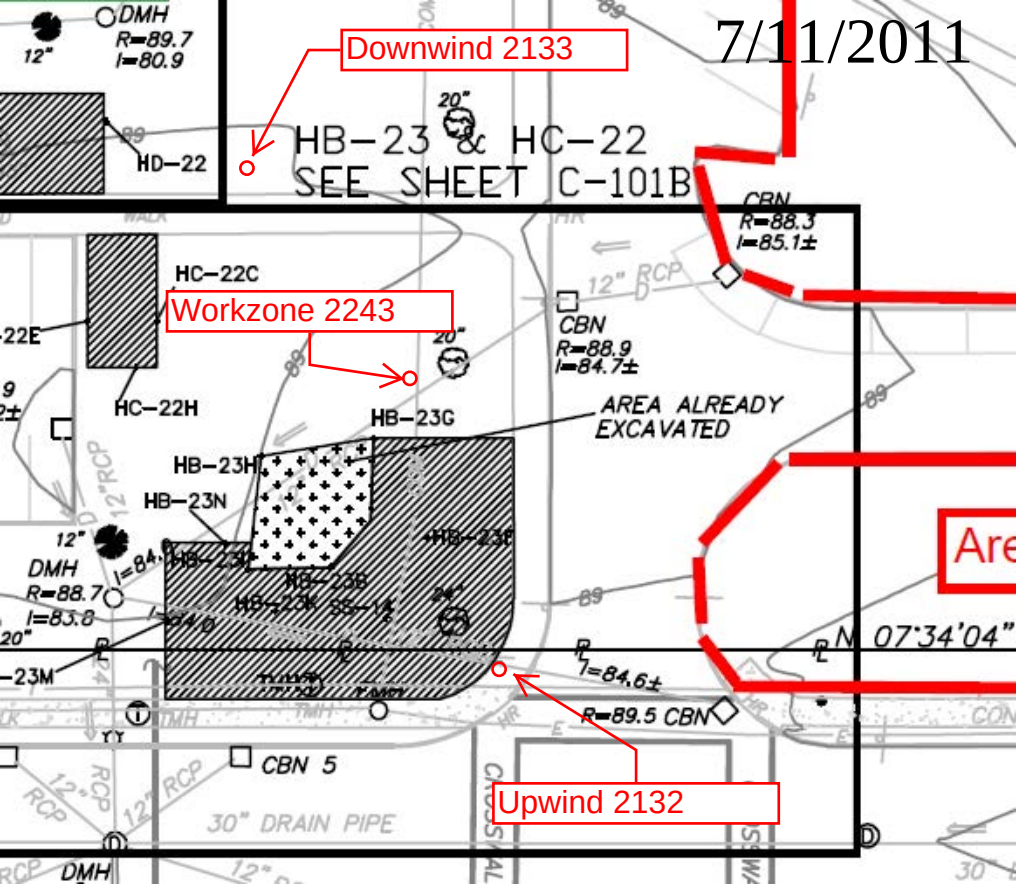
Project: City of New Bedford (115058) **Date:** 7/ 11 /2011

Weather: HOT & SUNNY **Page:** 1 of 1

Location (circle): (NBHS) HF-43 SE Shawmut Street CURRENT / AVE.

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	2132	2-1	start: 8:20 ~	0.036/0.042	0.036	0.052	T.OP. 10 MIN. 1 MIN LOG.
Workzone	2243	1-1	start: 8:15 ~	0.043/0.042	0.035	0.048	T.OP 14 MIN. PID-0
Nearby Receptor			start:				
Downwind	2133	1-1	start: 8:25 ~	0.038/0.037	0.035	0.045	T.OP 12 MIN
Upwind	2132	2-1	9:05	0.028/0.034	0.023	0.064	T.OP 42 MIN
Workzone	2243	1-1	9:10	0.037/0.041	0.034	0.054	T.OP. 45 MIN PID-0
Nearby Receptor							
Downwind	2133	1-1	9:15	0.036/0.037	0.033	0.059	T.OP. 43 MIN
Upwind	2132		10:10	0.021/0.027	0.017	0.064	T.OP. 1:45
Workzone	2243		10:12	0.038/0.039	0.033	0.048	T.OP. 1:46 PID-0
Nearby Receptor							
Downwind	2133		10:15	0.062/0.038	0.033	0.119	T.OP. 1:45
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3


7/11/2011
Downwind 2133
Workzone 2243
Upwind 2132
HB-23 & HC-22
SEE SHEET C-101B
HD-22
HC-22C
HC-22H
HB-23G
HB-23H
HB-23N
HB-23K
HB-23M
AREA ALREADY
EXCAVATED
CBN
R=88.3
I=85.1±
CBN
R=88.9
I=84.7±
DMH
R=88.7
I=83.8
DMH
R=89.7
I=80.9
CBN 5
30" DRAIN PIPE
12" RCP
20"
N 07°34'04"

Daily Field Log - Dust Monitoring Data

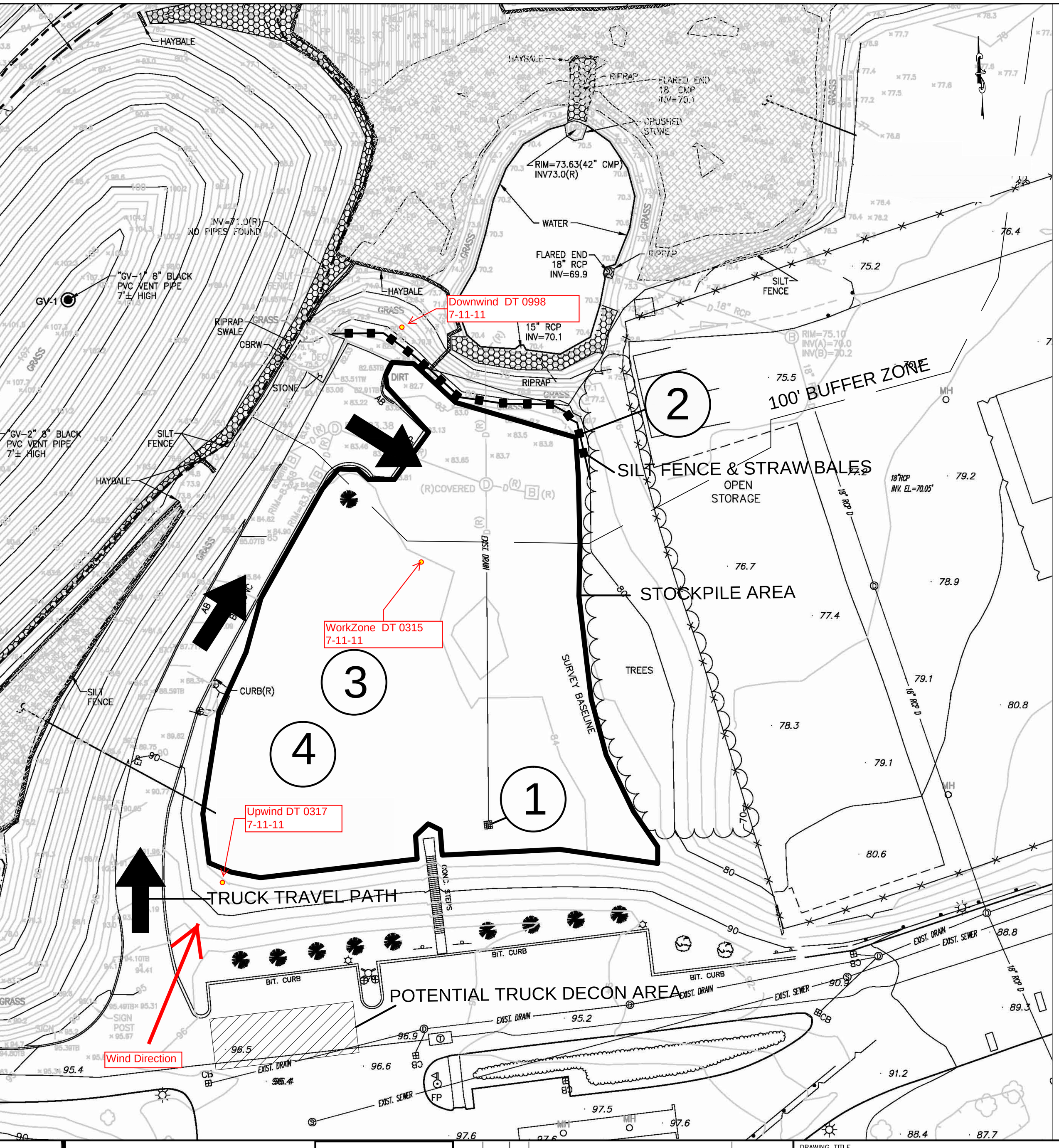
Project: City of New Bedford (115058) **Date:** 7/ 01 /2011

Weather: CLEAR - HOT **Page:** 1 of 1

Location (circle): NBHS / HB-23 Shawmut Street CURRENT/ AUB

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	2132	2-2	start: 10:30	0.024/0.021	0.016	0.143	T.OP 57 MIN
Workzone	2243	1-2	start: 10:32	0.039/0.040	0.035	0.082	T.OP 58 MIN PID-0
Nearby Receptor			start:				
Downwind	2133	1-2	start: 10:33	0.052/0.042	0.037	0.076	T.OP 59 MIN
Upwind	2132	2-2	12:35	0.029/0.024	0.016	0 143	T.OP 2:05
Workzone	2243	1-2	12:35	0.056/0.042	0.035	0.254	T.OP. 2:02 PID-0
Nearby Receptor							
Downwind	2133	1-2	12:34	0.051/0.044	0.037	0.082	T.OP. 2:00
Upwind	2132	2-2	13:40	0.072/0.026	0.016	0.143	T.OP. 3:08
Workzone	2243	1-2	13:42	0.047/0.044	0.035	0.254	T.OP. 3:10 PID Ø
Nearby Receptor							
Downwind	2133	1-2	13:43	0.071/0.046	0.037	0.141	T.OP 3:11
Upwind	2132	2-2	14:31	0.047/0.029	0.016	0.143	T.OP. 4:01
Workzone	2243	1-2	14:58	0.069/0.046	0.035	0.254	T.OP. 4:26 PID-Ø
Nearby Receptor							
Downwind	2133	1-2	15:00	0.075/0.050	0.037	0.276	T.OP 4:27
Upwind	2132	2-2	15:20	0.060/0.033	0.016	0.143	T.OP 4:50
Workzone	2243	1-2	15:22	0.057/0.047	0.035	0.254	T.OP. 4:32
Nearby Receptor							
Downwind	2133		15:25	0.166/0.051	0.037	0.276	T.OP 4:53 TRUCK EXHAUST
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3



Prepared for:

The City of New Bedford
Massachusetts

C:\Documents and Settings\AHamilton\Desktop\NBHS 90% SPOT EXCAVATION SUBMITTAL - FEB 2011\SEAL.bbg.jpg

REV	DATE	BY	DESCRIPTION	
1	3-31-11	A.H.	ISSUE FOR CONSTRUCTION	D.T. / A.H.
0	2-24-11	A.H.	90% DRAFT DESIGN SUBMITTAL	D.T. / A.H.
				DESIGN SUPERVISOR / PROJECT ENGINEER

DRAWING TITLE

OFFSITE TEMPORARY SOIL STORAGE AREA

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
A.H.	A.C.H.	D.T.	A.H.
	START DATE: FEB. 2011	SUPERVISOR: D.T.	

Daily Field Log - Dust Monitoring Data

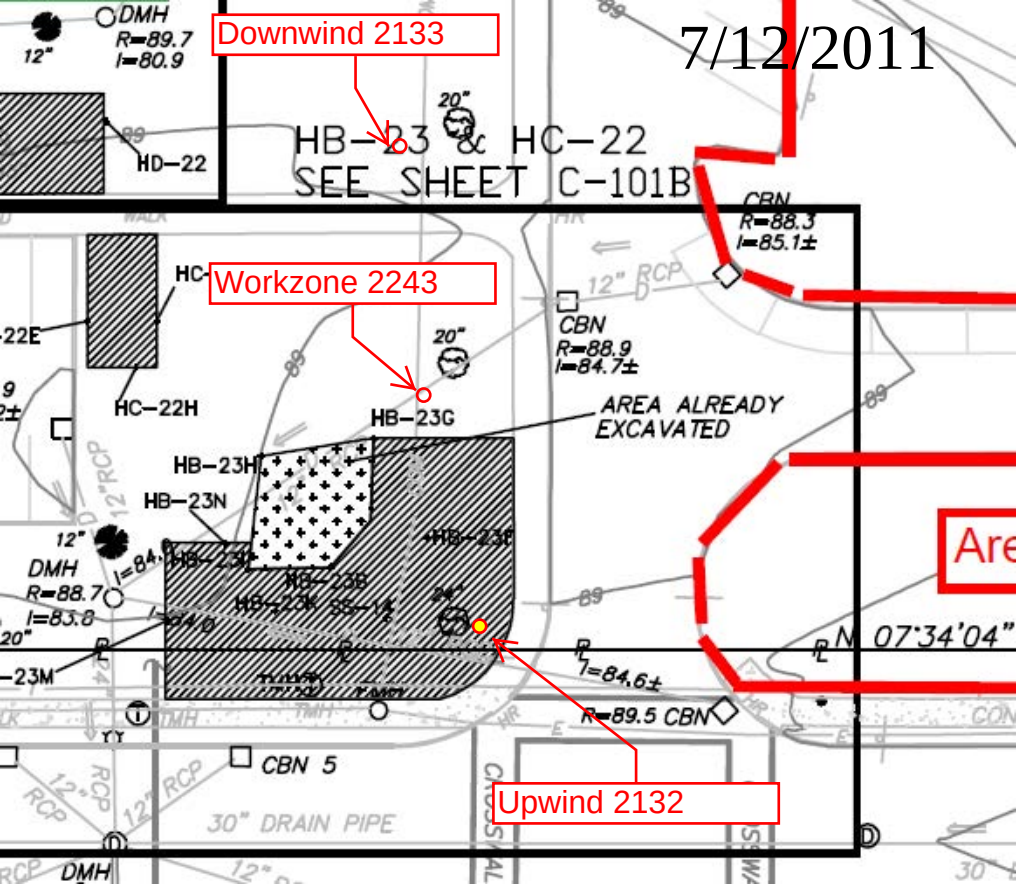
Project: City of New Bedford (115058) Date: 7 / 11 /2011

Weather: 90°F mostly SUNNY Page: 1 of 1

Location (circle): NBHS Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	0317	1-1	start: 0855				0.040 starting avg
Workzone	0315	1-1	start: 0841				0.055 startup Avg
Nearby Receptor			start:				
Downwind	0998	1-1	start 0835				0.046 startup Avg
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind	0317	1-1	0935	0.039	0.035	0.066	
Workzone	0315	1-1	0926	0.040	0.032	0.075	PID = 0.0 ppm
Nearby Receptor							
Downwind	0998	1-1	0919	0.039	0.031	0.133	
Upwind	0317	1-1	1020	0.039	0.035	0.073	
Workzone	0315	1-1	1018	0.037	0.032	0.075	PID = 0.0 ppm
Nearby Receptor							
Downwind	0998	1-1	1016	2041	0.031	0.459	
Upwind	0317	1-1	1127	0.039	0.035	0.090	
Workzone	0315	1-1	1123	0.039	0.032	0.278	PID = 0.6 ppm
Nearby Receptor							
Downwind	0998	1-1	1122	0.042	0.022	0.459	
Upwind	0317	1-1	1234	0.040	0.035	0.206	
Workzone	0315	1-1	1230	0.040	0.032	0.278	PID = 0.6 ppm
Nearby Receptor							
Downwind	0998	1-1	1232	0.045	0.022	1.53	
Upwind	0317	1-1	1240	0.041	0.035	0.206	
Workzone	0315	1-1	1335	0.044	0.032	1.26	PID = 0.6 ppm
Nearby Receptor							
Downwind	0998	1-1	1337	0.051	0.022	2.98	
Upwind	0317	1-1	1437	0.043	0.035	0.206	
Workzone	0315	1-1	1431	0.045	0.032	1.26	PID = 0.6 ppm
Nearby Receptor							
Downwind	0998	1-1	1428	0.057	0.022	4.07	
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3


Downwind 2133
7/12/2011
HB–23 & HC–22
SEE SHEET C–101B
Workzone 2243
AREA ALREADY
EXCAVATED
Upwind 2132
CBN 5
30" DRAIN PIPE
DMH
CBN
HD–22
HC–22H
HB–23G
HB–23H
HB–23N
HB–23M
HC–23M
HB–23K
HB–23L
HB–23E
HB–23B
N 07°34'04"

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058.0000) **Date:** 7/12 /2011

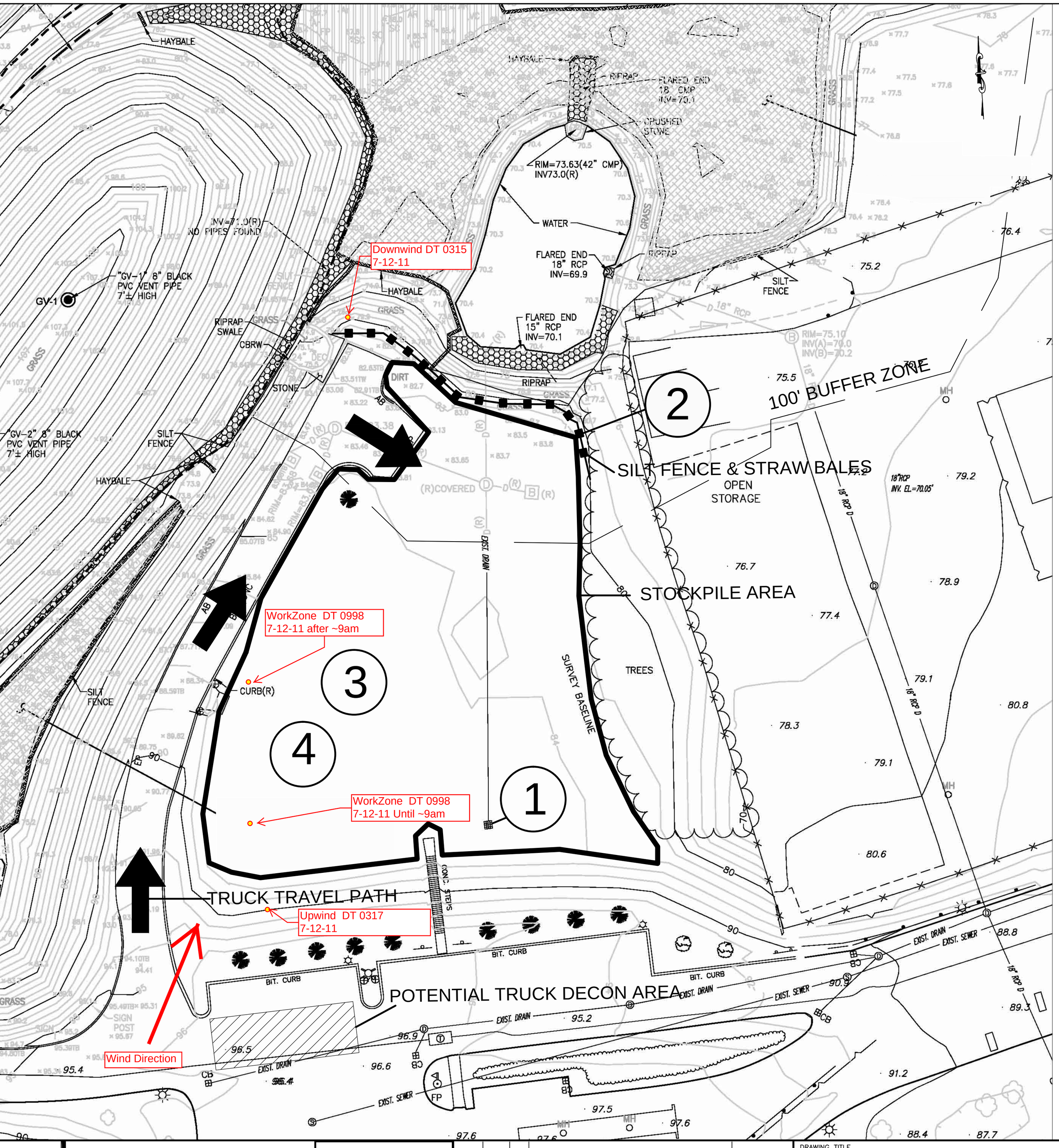
Weather: CLOUDY HOT **Page:** 1 of 1

Location (circle): (NBHS) HB-23 Shawmut Street

Position	Unit ID	Time	Average	Minimum	Maximum	Comments (test #, location description, change of position)
Upwind	2132	start: 8:31				TEST 2-1
Workzone	2243	start: 8:32				TEST 1-1
Nearby Receptors		start:				
Downwind	2133	start: 8:33				TEST 1-1
Upwind	2132	8:56	0.043/0.044	0.059	0.074	T.OP. 25 min
Workzone	2243	8:58	0.047/0.050	0.042	0.069	T.OP. 27 min PID-0
Nearby Receptors						
Downwind	2133	8:59	0.052/0.051	0.047	0.133	T.OP. 29 min
Upwind	2132	9:57	0.052/0.043	0.036	0.104	T.OP. 1:25
Workzone	2243	9:59	0.072/0.052	0.041	0.158	T.OP. 1:26 PID 0
Nearby Receptors						
Downwind	2133	10:00	0.056/0.056	0.047	0.970	T.OP. 1:29
Upwind	2132	11:01	0.042/0.044	0.036	0.111	T.OP. 2:28
Workzone	2243	11:02	0.053/0.058	0.041	0.164	T.OP. 2:30 PID-0
Nearby Receptors						
Downwind	2133	11:03	0.063/0.058	0.047	0.970	T.OP. 2:32
Upwind	2132	12:15	0.058	REPLACE DEEP CYCLE WT CELL (BATTERY DOWN. NO BACKUP.)		
Workzone	2243	12:16	0.074/0.058	0.041	0.164	T.OP. 3:48 PID-0
Nearby Receptors						
Downwind	2133	12:18	0.082/0.063	0.047	0.970	T.OP. 3:47
Upwind	2132	12:20				TEST(2-2)
Workzone						
Nearby Receptors						
Downwind						
Upwind	2132	13:00	0.055/0.064	0.055	0.110	T.OP. 35
Workzone	2243	13:02	0.076/0.061	0.041	0.164	T.OP. 4:33 PID 0
Nearby Receptors						
Downwind	2133	13:05	0.079/0.066	0.047	0.970	T.OP. 4:35
Upwind	2132	13:56	0.057/0.061	0.053	0.131	T.OP. 1:30
Workzone	2243	13:57	0.085/0.068	0.041	1.44	T.OP. 5:25 PID 0
Nearby Receptors						
Downwind	2133	13:59	0.083/0.070	0.047	0.970	T.OP 5:28
Upwind	2132	14:35	0.036/0.056	0.033	0.131	T.OP. 2:15
Workzone	2243	14:40	0.045/0.070	0.041	1.44	T.OP. 6:11 PID 0
Nearby Receptors						
Downwind	2133	14:55	0.051/0.071	0.047	0.970	T.OP. 6:23

NOTES: * - All units in mg/m^3

7/12/2011



Prepared for:

The City of New Bedford
Massachusetts

C:\Documents and Settings\AHamilton\Desktop\NBHS 90% SPOT EXCAVATION SUBMITTAL - FEB 2011\SEAL.bkg.jpg

REV	DATE	BY	DESCRIPTION	
1	3-31-11	A.H.	ISSUE FOR CONSTRUCTION	D.T. / A.H.
0	2-24-11	A.H.	90% DRAFT DESIGN SUBMITTAL	D.T. / A.H.
				DESIGN SUPERVISOR / PROJECT ENGINEER

DRAWING TITLE

OFFSITE TEMPORARY SOIL STORAGE AREA

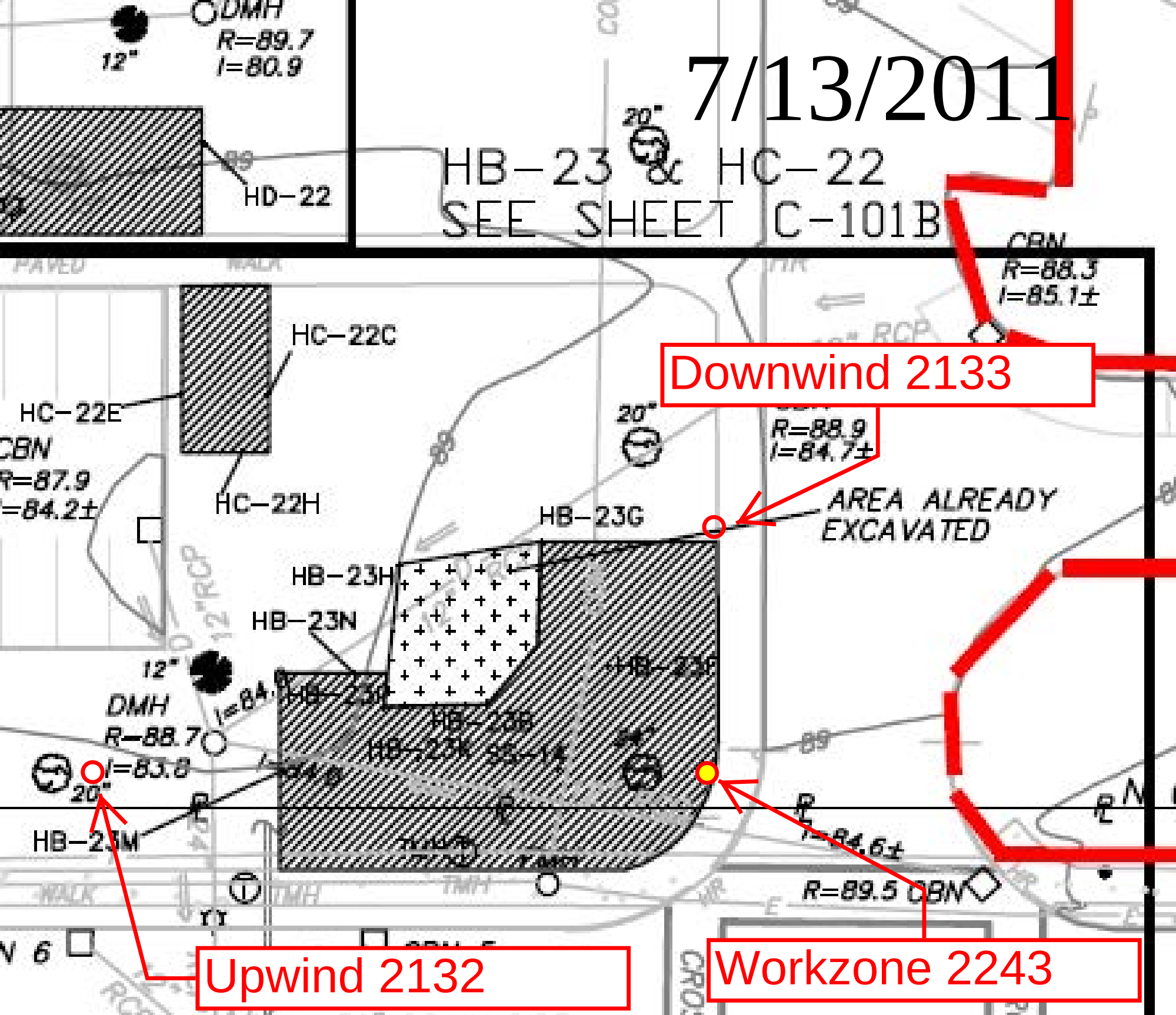
INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
A.H.	A.C.H.	D.T.	A.H.
	START DATE: FEB. 2011	SUPERVISOR: D.T.	

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058)
Date: 7/12/2011
Weather: ~90°F, partly cloudy, chance showers
Page: 1 of 1
Location (circle): NBHS Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	0317	1-2	start: 0839				0.044
Workzone	0998	1-2	start: 0826				0.049
Nearby Receptor			start:				
Downwind	0315	1-2	start: 0821				0.048
Upwind	0317	1-2	0900	0.053	0.044	0.370	
Workzone	0998	1-2	0901	0.044	0.035	0.140	PID = 0.0 ppm
Nearby Receptor							
Downwind	0315	1-2	0903	0.088	0.000 (filter)	2.07	
Upwind	0317	1-2	1000	0.050	0.044	0.370	
Workzone	0998	1-2	1002	0.061	0.028	2.74	PID = 0.0 ppm
Nearby Receptor							
Downwind	0315	1-2	1003	0.071	0.000 (filter)	3.31	
Upwind	0317	1-2	1102	0.055	0.044	0.370	
Workzone	0998	1-2	1103	0.101	0.028	7.85	PID = 0.0 ppm
Nearby Receptor							
Downwind	0315	1-2	1104	0.104	0.000 (filter)	6.10	
Upwind	0317	1-2	1245	0.061	0.044	0.370	
Workzone	0998	1-2	1246	0.100	0.028	7.85	PID = 0.0 ppm
Nearby Receptor							
Downwind	0315	1-2	1247	0.099	filter	6.91	
Upwind	0317	1-2	1326	0.063	0.044	0.370	
Workzone	0998	1-2	1329	0.102	0.028	7.85	PID = 0.0 ppm
Nearby Receptor							
Downwind	0315	1-2	1331	0.106	filter	6.91	
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3


7/13/2011
HB-23 & HC-22
SEE SHEET C-101B
HD-22
HC-22C
HC-22E
HC-22H
HB-23G
HB-23H
HB-23N
HB-23M
AREA ALREADY EXCAVATED
Downwind 2133
Upwind 2132
Workzone 2243
DMH
R=89.7
I=80.9
R=88.7
I=83.8
R=88.9
I=84.7±
R=88.3
I=85.1±
R=89.5 CBN
I=84.6±
R=87.9
I=84.2±

Daily Field Log - Dust Monitoring Data

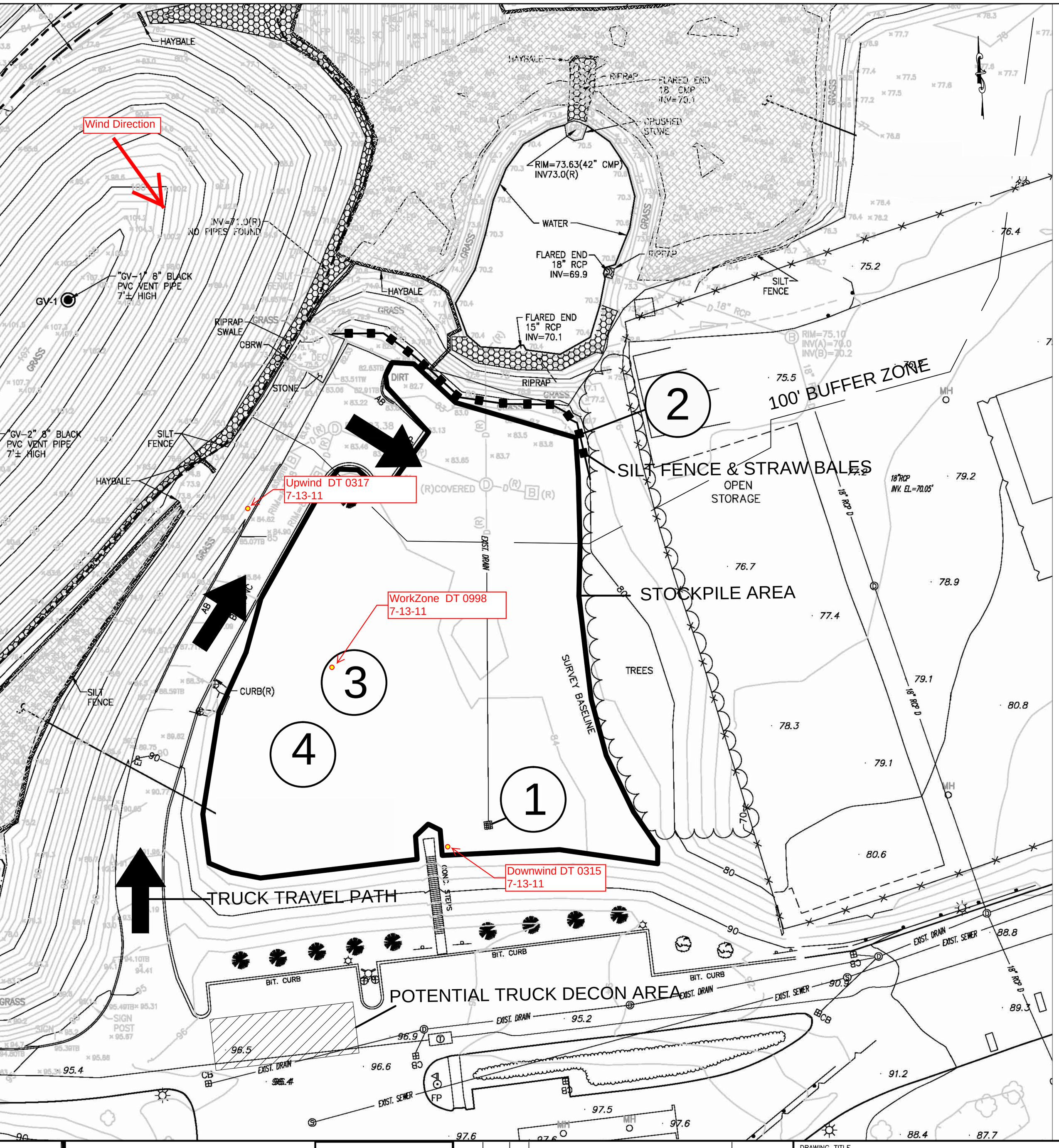
Project: City of New Bedford (115058) **Date:** 7/13/2011

Weather: CLEAR/SUNNY HOT 80s LIGHT N BREEZE **Page:** 1 of 1

Location (circle): (NBHS) HB-23 Shawmut Street CURRENT/AVE

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	2132	2-1	start: 8:16				
Workzone	2243	1-1	start: 8:17				
Nearby Receptor			start:				
Downwind	2133	1-1	start: 8:18				
Upwind	2132		8:50	0.014/0.018	0.014	0.122	T.OP 35 MIN
Workzone	2243		8:45	0.085/0.117	0.027	1.50	T.OP. 29:30 MIN PID - 0
Nearby Receptor							
Downwind	2133		8:43	0.034/0.038	0.031	0.043	T.OP. 24:55 MIN.
Upwind	2132		9:55	0.015/0.018	0.006	0.122	T.OP. 1:43 HR:MIN
Workzone	2243		10:00	0.033/0.044	0.027	1.50	T.OP. 1:44 HR:MIN PID 0
Nearby Receptor							
Downwind	2133		10:03	0.038/0.040	0.031	0.784	T.OP. 1:42 HR:MIN
Upwind	2132		10:55	0.022/0.019	0.006	0.122	T.OP. 2:43 HR:MIN
Workzone	2243		10:57	0.035/0.058	0.027	1.50	T.OP. 2:40 HR:MIN PID 0
Nearby Receptor							
Downwind	2133		10:58	0.044/0.044	0.031	0.784	T.OP 2.33 HR:MIN.
Upwind	2132		11:52	0.024/0.020	0.006	0.122	T.OP. 3:40 HR:MIN.
Workzone	2243		11:54	0.046/0.053	0.027	1.50	T.OP. 3:37 HR:MIN PID 0
Nearby Receptor							
Downwind	2133		11:55	0.044/0.045	0.031	0.784	T.OP 3:35 HR MIN
Upwind	2132		12:56	0.028/0.024	0.006	0.822	T.OP 4:44 HR:MIN
Workzone	2243		12:58	0.038/0.050	0.027	1.50	T.OP. 4:41 HR:MIN PID 0
Nearby Receptor							NOTE WIND DIRECTION ▲ N180°
Downwind	2133		13:06	0.043/0.045	0.031	0.784	T.OP. 4:49.
Upwind	2132		13:50	0.113/0.039	0.006	1.53	T.OP. 5:40 BACKFILL DUST (DOWNWIND)
Workzone	2243		13:53	0.36/0.048	0.027	1.50	T.OP. 5:37
Nearby Receptor							
Downwind	2133		13:55	0.46/0.045	0.031	0.784	T.OP. 5:40 (LOW DOWNWIND)
Upwind	2132		14:00	0.081/0.052	0.006	2.58	6:50
Workzone	2243		15:03	0.037/0.046	0.027	1.50	6:46
Nearby Receptor							
Downwind	2133		15:05	0.047/0.045	0.031	0.784	6:45
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3



Prepared for:

The City of New Bedford
Massachusetts

C:\Documents and Settings\AHamilton\Desktop\NBHS 90% SPOT EXCAVATION SUBMITTAL - FEB 2011\SEAL.bbg.jpg

REV	DATE	BY	DESCRIPTION	DESIGN SUPERVISOR / PROJECT ENGINEER
1	3-31-11	A.H.	ISSUE FOR CONSTRUCTION	D.T. / A.H.
0	2-24-11	A.H.	90% DRAFT DESIGN SUBMITTAL	D.T. / A.H.

DRAWING TITLE

OFFSITE TEMPORARY SOIL STORAGE AREA

INITIATOR	DRAWN BY	CHECKED BY	PROJECT ENGINEER
A.H.	A.C.H.	D.T.	A.H.
	START DATE: FEB. 2011	SUPERVISOR: D.T.	

Daily Field Log - Dust Monitoring Data

Project: City of New Bedford (115058) **Date:** 7/13/2011

Weather: Clear 85° NW wind **Page:** 1 of 1

Location (circle): ~~Rt 6~~ HS CF Shawmut Street

Position	Unit ID	Test #	Time	Average	Minimum	Maximum	Comments (Excavation ID, location description, change of position)
Upwind	0317	1	start: 0830				
Workzone	0098	1	start: 0838				
Nearby Receptor			start:				
Downwind	0315	1	start: 0830				
Upwind	0317	1	1011	0.034	0.029	0.063	ET = 1:41
Workzone	0098	2	1015	0.063	0.050	0.193	Unit off Restart Log / Test 2 PID = 0.0
Nearby Receptor							
Downwind	0315	1	1018	0.043	0.029	1.08	ET 1:58
Upwind	0317	1	1107	0.036	0.029	0.455	ET 2:37
Workzone	0098	2	1109	0.117	0.030	2.48	ET 56:08 PID = 0.1ppm
Nearby Receptor							
Downwind	0315	1	1111	0.049	0.029	1.40	ET 2:53
Upwind	0317	1	1154	0.038	0.029	0.570	ET 3:24
Workzone	0098	2	1157	0.141	0.030	12.90	ET 1:42 PID = 0.1
Nearby Receptor							
Downwind	0315	1	1158	0.055	0.029	2.64	ET 3:40
Upwind	0317	1	1440	0.053	0.029	5.03	ET 6:07 STOP
Workzone	0098	2	1443	0.079	0.030	12.90	ET Test 2 4:28 STOP
Nearby Receptor							PID = 0.1ppm
Downwind	0315	1	1446	0.049	0.029	2.64	ET = 6:26 STOP
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							
Upwind							
Workzone							
Nearby Receptor							
Downwind							

NOTES: * - All units in mg/m^3