PERIMETER BERM CONSTRUCTION
STAGE 1 PREPARATION

1. REDUCE SLOPE OF WESTERLY BERM FROM 1 : 1 TO 1.5 : 1. ELEVATIONS ALONG TOP OF WESTERLY BERM REPRESENT CURRENT GRADES.
2. CONSTRUCTION OF LARGE STONE BOULDERS AT DESIGNATED LOCATIONS ON WESTERLY AND NORTHERLY BERM.
3. INSTALLATION OF DRAINAGE PIPING AND APPURTENANCES ALONG SOUTHERLY BERM AND INITIAL SHAPING OF BASIN 1 DISCHARGE CHANNEL ALONG CROW LANE.
4. REDUCE SLOPE OF EXISTING PERIMETER ALONG SOUTHWEST PORTION OF SOUTHERLY BERM FROM 1 : 1 TO 1.5 : 1 UPON COMPLETION OF DRAINAGE INSTALLATION.

HAYBALES AND SILTFENCE ALONG TOE OF SLOPE

TRANSITION FROM 1.5 : 1 SLOPE TO 1 : 1 SLOPE

EXISTING HAYBALES (TYP.)

SLOPE TO BE LINED WITH RIP RAP STONE

EXISTING BERM

PROPOSED STONE BUTTRESS TO BE CONSTRUCTED AT BASE OF BERM (TYP.)

LEACHATE TANK

DETENTION BASIN NO. 2

1.5 : 1 SLOPE

EXISTING BERM ELEVATIONS

EXISTING BERM

PROPOSED STONE BUTTRESS TO BE CONSTRUCTED AT BASE OF BERM (TYP.)

Landfill Access Road

Soil Stockpile

N55°30'54"E 291.86'

PROPANE TANK (TYP.)

TEMPORARY LANDFILL GAS FLARE UNIT

LEACHATE TANK

374.89'

N29°10'46"W 302.75'

DETENTION BASIN NO. 1

SCALES

TRAILER

100.43'

S27°48'26"E

285.80'

S 55°31'02" W

185.59' S 55°31'02" W

STONE-LINED DRAINAGE CHANNEL
SLOPE=0.5%

1.5 : 1 SLOPE

284.63'
S 45°32'56" W

ENERGY DISSIPATOR STONE CHECK DAM (TYP.)

S 62°25'50" W

S 67°27'12" W
296.81'

PROPOSED HEADWALL, 36" INV.=32.0 (WITH STONE ENERGY DISSIPATOR)

403'-36" RCP (CL V) S=0.0165

PROPOSED HEADWALL 36" INV.=39.0

DMH-5

CROW LANE

BENCH MARK:
TBM Point 15,
PK Nail set in Pavement
Elevation = 49.25 (NAVD 1988)
N312745.624
E816224.3223

EXISTING HAYBALES (TYP.)

VERNAL POOL

0' 40' 80' 120'
SCALE IN FEET
1"=40'

No.	Date	Revision Description	Chkd. by	Apvd. by
1				

scale: 1"=40'
date: JAN. 9, 2007
drawn: JAC
checked: MQ
approved: ARQ
drawing number: 11

project: CORRECTIVE ACTION DESIGN
CROW LANE LANDFILL
NEWBURYPORT, MASSACHUSETTS

client: NEW VENTURES ASSOCIATES, L.L.C.

drawing title: PERIMETER BERM CONSTRUCTION STAGE 1 PREPARATION PLAN

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