SEE SECTION SHEET C-7

INSTALL D-50=9" RIP RAP APRON AT OUTFALL OF INTERMITTENT STREAM CHANNEL

6 D-3 INTERMITTENT STREAM RESTORATION

SEE ENLARGEMENT C-4A

SEE ENLARGEMENT C-4B

SEE ENLARGEMENT C-4C

SEE ENLARGEMENT C-4D

FLOOD

EBB

Merrimack River

(LAND UNDER WATER RIVERWARD OF ELEV.-1.25ft NAVD88)

SEE SECTION SHEET C-7

SEE SECTION SHEET C-8

SEE SECTION SHEET C-8

5 D-4 PROPOSED 4-FT. HIGH BLACK VINYL CHAIN LINK FENCE

3 D-1 PROPOSED ANCHOR TRENCH ALONG RIVERFRONT AREAS (TYP.)

100' WETLAND BUFFER ZONE

200' RIVERFRONT AREA

HAVERHILL GROVELAND

RIDGELINE

PROPOSED 8-FT. HIGH BLACK VINYL CHAIN LINK FENCE AROUND GAS VENT

5 D-4

LANDFILL GAS VENT 1 D-2

PROPOSED LOCATION FOR BALD EAGLE NESTING POLE

PROPOSED ANCHOR TRENCH-NON-RIVERFRONT AREA (TYP.) 4 D-1

INSTALL FINAL LANDFILL CAP TO FINAL EDGE OF LANDFILLED WASTE 1 D-1 2 D-1

MASS ELECTRIC PROPERTY

PROPOSED 4-FT. HIGH BLACK VINYL CHAIN LINK FENCE 5 D-4

Swale Along Northern Mound and Pipes Crossing to Swale Connecting to Basin

SOUTHERN MOUND (CAPPED)

ACCESS TO MASS ELECTRIC PROPERTY TO BE MAINTAINED BY CONTRACTOR THROUGHOUT CONSTRUCTION

Stormwater Retention Basin

Grass Lined Swale

EXISTING STORMWATER BASIN TO BE RECONSTRUCTED. SEE SHEET C-4E

LOT 26 ASH AREA. SEE SHEET C-4E

Outall Pipe Location

Johnson's Creek

1 D-2 LANDFILL GAS VENT

1 D-2 5 D-4 PROPOSED 8-FT. HIGH BLACK VINYL CHAIN LINK FENCE AROUND GAS VENT

LEGEND

- PROPERTY LINE
- DIGITIZED EASEMENT BOUNDARY SEE GENERAL NOTE #3
- WETLAND FLAG LOCATION AND NUMBER
- WETLAND BOUNDARY BY FLAG LOCATION
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- MEAN HIGH WATER (EL. 4.47')
- HIGHEST ASTRONOMICAL TIDE (EL. 5.87)
- 100' WETLAND BUFFER ZONE
- 100' HAVERHILL ORDINANCE BUFFER ZONE
- 200' RIVERFRONT AREA
- FEMA 10-YEAR FLOODPLAIN (EL. 14')
- 100-YR FLOODPLAIN/BORDERING LAND SUBJECT TO FLOODING (EL. 21')
- APPROXIMATE EDGE OF EXISTING LANDFILLED WASTE
- PROPOSED 2 FOOT CONTOUR
- 50 PROPOSED 10 FOOT CONTOUR
- ASSUMED FINAL EDGE OF LANDFILLED WASTE
- PROPOSED CHAIN LINK FENCE
- 42.60 FINISH GRADE SPOTGRADE
- ANCHOR TRENCH NON-RIVERFRONT AREAS
- ANCHOR TRENCH RIVERFRONT AREAS

NOTES:
1. FOR LANDFILL GAS VENTING SYSTEM LAYOUT SEE SHEET C-6
2. FOR MATERIALS AND CAP TYPE AREAS SEE SHEET C-5
3. ADDITIONAL COMMON FILL SHALL BE INSTALLED ABOVE THE DRAINAGE GEOCOMPOSITE UNDER PROPOSED FIELDS AND PANTING AREAS TO MEET FINISHED GRADES AS SHOWN. THICKNESS OF COMMON FILL VARIES, SEE DETAIL 2 ON SHEET D-1.

0 40 80 160

1" = 80'

Figure: Stormwater Best Management Practice (BMP) Locations Schematic - Northern Mound of Haverhill Landfill and Lot 26 Ash Area

REVISIONS

Langdon Environmental LLC

404 THE HILL, PO BOX 511
PORTSMOUTH, NH 03802
(617) 875-3693

Proj. Mgr.: BWH
Designed : JEC
Drawn : JEC
Checked : BWH
Scale : AS NOTED
Date : OCT. 2024

FINISH GRADING PLAN-NORTHERN MOUND

HAVERHILL LANDFILL-NORTHERN MOUND & LOT 26 ASH AREA
HAVERHILL MASSACHUSETTS

Proj. No.

Dwg. No.

C-4