

M e m o r a n d u m

Date: 20 April 2020

To: Sherwood McKenney, District Engineer
Waste Management Disposal Services of Maine (WMDSM)

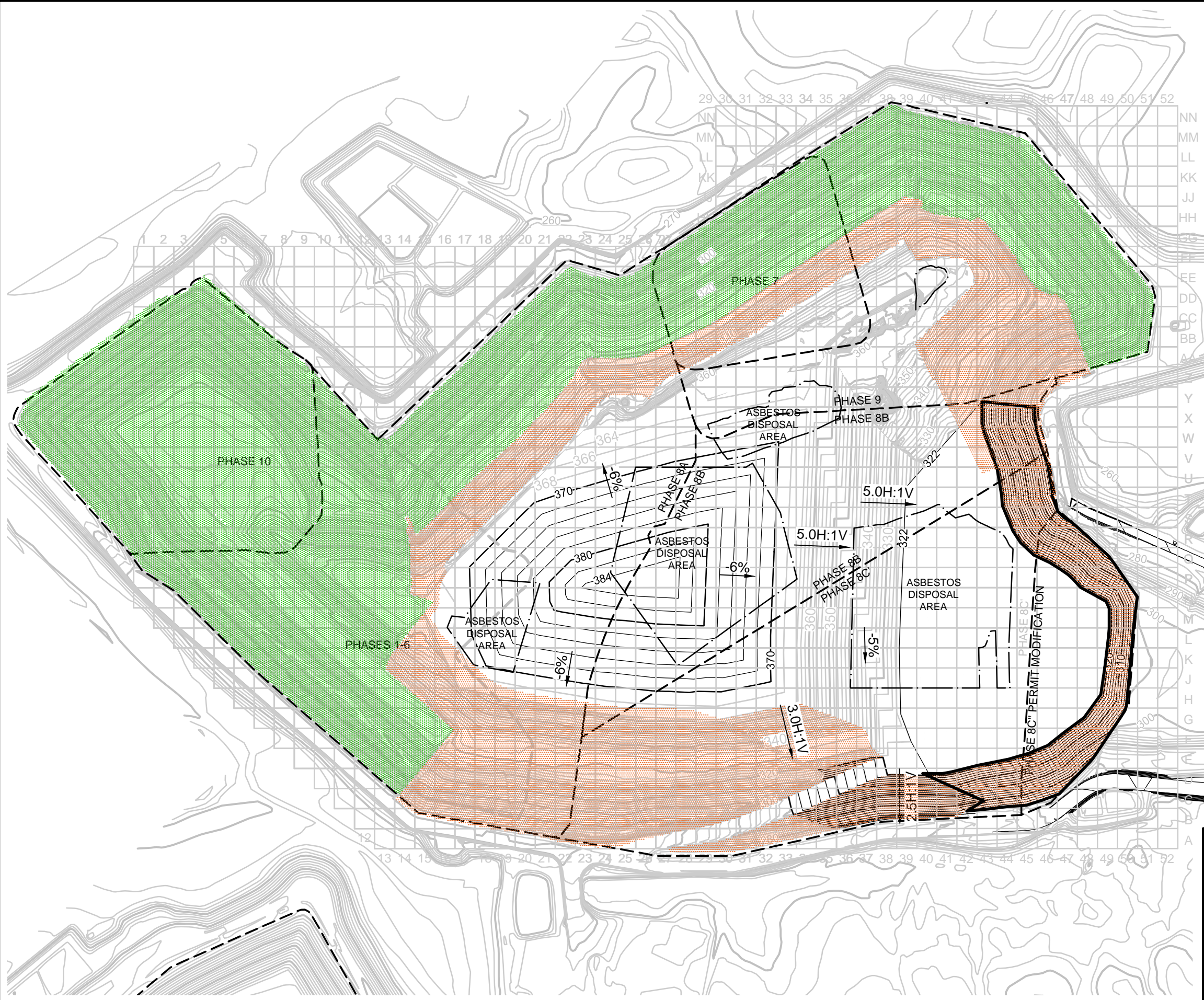
From: Nicholas J. Yafrate P.E., Geosyntec Consultants

Subject: Fulfillment of Conditions 7 and 8 – License Amendment S-010735-WD-XH-A
Projected Waste Configurations for 2020 and 2021
Phase 8 – Crossroads Landfill
Norridgewock, Maine



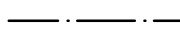
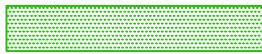



Pursuant to the requirements of license amendment S-010735-WD-XH-A, dated 20 July 2012, this memorandum presents projected 2020 and 2021 waste configurations in the Phase 8 disposal unit at the Crossroads Landfill. Specifically, the attached Figures 1 and 2 were developed by Geosyntec and WMDSM to represent the projected waste configurations (top-of-waste grades) in Phase 8 at the end of years 2020 and 2021, respectively. The configurations are based on projected disposal rates and airspace utilization factors (AUFs, i.e., waste densities) provided by WMDSM. Additionally, the estimated areas (acreages) of final cover and temporary tarp that WMDSM intends to deploy by the end of each year are shown.

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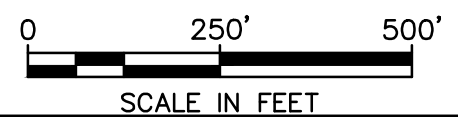


LEGEND

-  290 EXISTING CONTOUR
-  290 PROPOSED CONTOUR
-  ASBESTOS DISPOSAL AREA BOUNDARY
-  TOTAL EXTENT OF EXISTING FINAL COVER (27.3 ACRES)
-  LIMIT OF NEW FINAL COVER TO BE INSTALLED THIS YEAR (0 ACRES)
-  TOTAL EXTENT OF EXISTING TEMP. TARP (15.8 ACRES)
-  LIMITS OF TEMP. TARP TO BE INSTALLED THIS YEAR (3.0 ACRES)

NOTES:

1. ACTIVE AREA TOPOGRAPHIC SURVEY BY BOYNTON AND PICKETT, LLC, DATED 31 MARCH 2019 AND PHASE 9 AREA DATED 31 MARCH 2015. SURROUNDING TOPOGRAPHY OUTSIDE LANDFILL LIMITS PROVIDED BY SACKETT AND BRAKE SURVEY, DATED 30 JUNE 2014.
2. OTHER IMPORTANT ASSUMPTIONS AND INFORMATION ARE SUMMARIZED IN ATTACHED MEMORANDUM.
3. PROPOSED FILL CONTOURS REPRESENT TOP OF WASTE GRADES, AT YEARS END. WMDSM WILL PERFORM LEACHATE RECIRCULATION WITHIN THE ACTIVE LANDFILL, EXCLUDING THE ASBESTOS DISPOSAL AREAS, DURING 2020.
4. WMDSM PROVIDED AN EXISTING FINAL COVER AREA OF 27.3 ACRES IN 2017.
5. LOCATION OF INTERNAL ACCESS ROAD(S) TO BE DETERMINED IN THE FIELD BY WMDSM OPERATIONS.
6. WASTE FILL VOLUME = 451,000 Cu. Yd. (PROJECTED FOR PERIOD FROM 1 JAN TO 31 DEC 2020).



MULTI-YEAR DEVELOPMENT PLAN
WASTE CONFIGURATION
PERIOD ENDING 31 DECEMBER 2020
CROSSROADS LANDFILL
NORRIDGEWOCK, MAINE



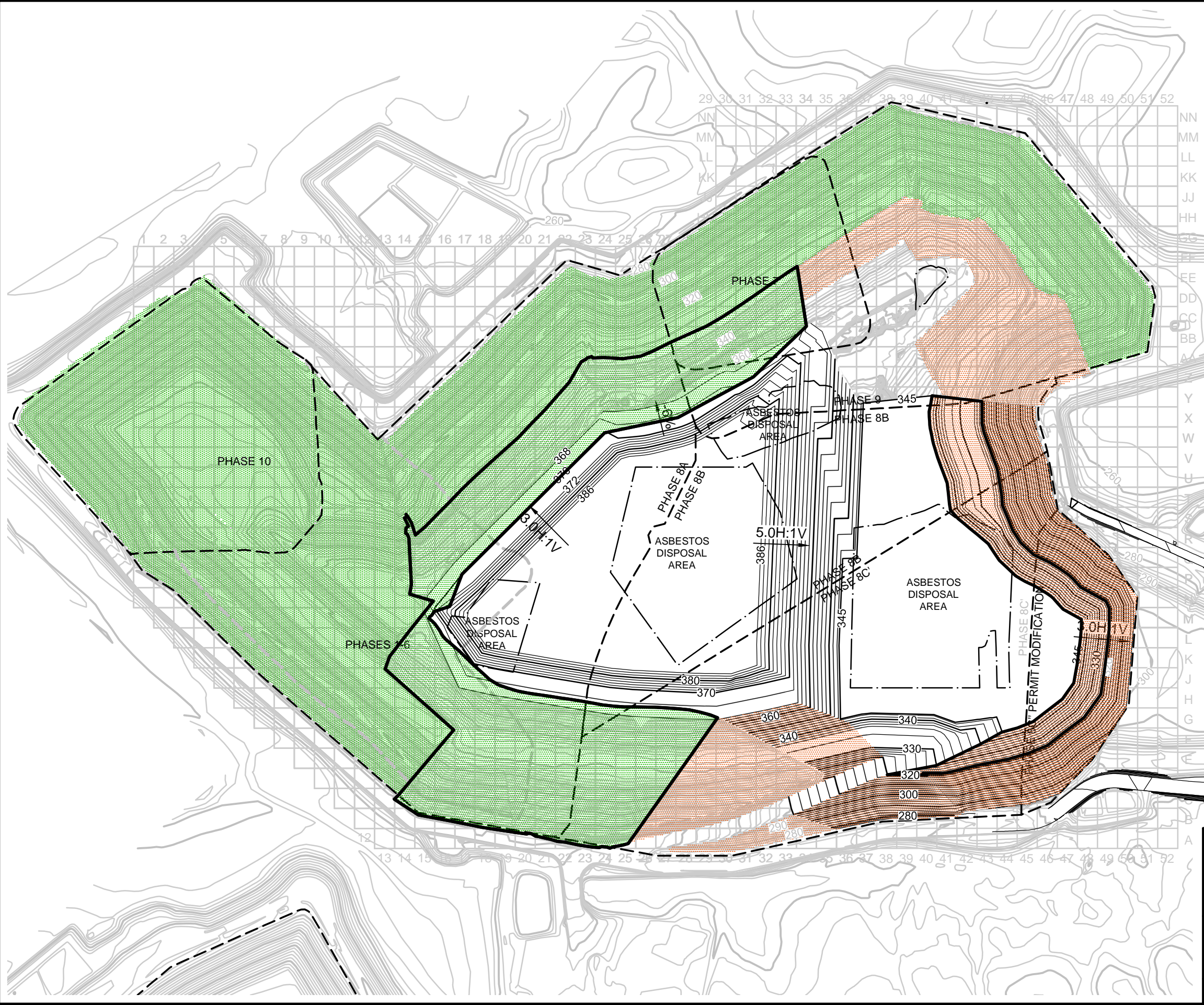
ACTON, MA

JULY 2019

Figure:

1

T:\PROJECTS\CADD\CROSSROADS LANDFILL\RATE PACKAGE\2019\MULTI-YEAR DEVELOPMENT\TOP OF WASTE GRADE-2021

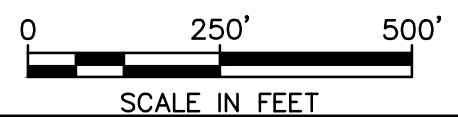


LEGEND

- 290** EXISTING CONTOUR
- 290** PROPOSED CONTOUR
- ASBESTOS DISPOSAL AREA BOUNDARY
- TOTAL EXTENT OF EXISTING FINAL COVER (27.3 ACRES)
- LIMIT OF NEW FINAL COVER TO BE INSTALLED THIS YEAR (10.1 ACRES)
- TOTAL EXTENT OF EXISTING TEMP. TARP (10.2 ACRES)
- LIMITS OF TEMP. TARP TO BE INSTALLED THIS YEAR (2.4 ACRES)

NOTES:

1. ACTIVE AREA TOPOGRAPHIC SURVEY BY BOYNTON AND PICKETT, LLC, DATED 31 MARCH 2019 AND PHASE 9 AREA DATED 31 MARCH 2015. SURROUNDING TOPOGRAPHY OUTSIDE LANDFILL LIMITS PROVIDED BY SACKETT AND BRAKE SURVEY, DATED 30 JUNE 2014.
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3. PROPOSED FILL CONTOURS REPRESENT TOP OF WASTE GRADES, AT YEARS END. WMDSM WILL PERFORM LEACHATE RECIRCULATION WITHIN THE ACTIVE LANDFILL, EXCLUDING THE ASBESTOS DISPOSAL AREAS, DURING 2021.
4. WMDSM PROVIDED AN EXISTING FINAL COVER AREA OF 27.3 ACRES IN 2017.
5. LOCATION OF INTERNAL ACCESS ROAD(S) TO BE DETERMINED IN THE FIELD BY WMDSM OPERATIONS.
6. WASTE FILL VOLUME = 431,000 (PROJECTED FOR PERIOD FROM 1 JAN TO 31 DEC 2021)



MULTI-YEAR DEVELOPMENT PLAN
 WASTE CONFIGURATION
 PERIOD ENDING 31 DECEMBER 2021
 CROSSROADS LANDFILL
 NORRIDGEWOCK, MAINE



ACTON, MA

JULY 2019

Figure:

2