NOTES:
1. SITE TOPOGRAPHY PROVIDED BY WM (AERIAL PHOTOGRAPHY BY AERO-METRIC, INC., DATED 15 FEBRUARY 2015). AS THE SITE IS AN ACTIVE LANDFILL, TOPOGRAPHY MAY HAVE CHANGED SINCE THE SURVEY DATE SHOWN.
2. DISPOSAL MODULE AND PREVIOUSLY-CLOSED AREAS BOUNDARIES COMPILED BY GEOSYNTEC BASED ON DATA PROVIDED BY RIVERBEND LANDFILL COMPANY.
3. ADDITIONAL BENCHMARKS LOCATED OUTSIDE LIMITS SHOWN ON DRAWING ARE AVAILABLE ON ELECTRONIC SITE TOPOGRAPHY FILE. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL CONFIRM BENCHMARKS WITH LELAND MACDONALD AND ASSOCIATES, LLC., McMinnville, Oregon.
4. NORTHINGS, EASTINGS, AND ELEVATIONS ARE IN LOCAL COORDINATE SYSTEM AS DETERMINED BY LELAND A. MACDONALD AND ASSOCIATES, LLC., McMinnville, Oregon. TO CONVERT FROM NAVD88 TO LOCAL ELEVATIONS NEED TO SUBTRACT 2.78 FEET FROM NAVD88 ELEVATIONS.
5. EXISTING FINAL COVER IN AREA OF MODULE 1, 2, AND 3 SHALL BE USED AS OVERLINER WITH PRIOR CONFIRMATION OF ITS LIMITS IN THE FIELD.
6. PORTION OF MODULE 9 OVERLIES MODULE 1.
1. Wetland information provided by Latimer Environmental, LLC, Portland, Oregon.
2. Northings, Eastings, and Elevations are in Local Coordinate System as determined by Leland A. MacDonald & Associates, LLC, McMinnville, Oregon. To convert from NAVD88 to Local Elevations, subtract 2.78 feet from NAVD88 Elevations.
3. Proposed extent of ground improvement. Final extents and depths to be determined at the time of construction level design.
NOTES:
1. WETLAND INFORMATION PROVIDED BY LATIMER ENVIRONMENTAL, LLC, PORTLAND, OREGON.
2. NORTHINGS, EASTINGS, AND ELEVATIONS ARE IN LOCAL COORDINATE SYSTEM AS DETERMINED BY LELAND A. MACDONALD AND ASSOCIATES, LLC, McMINTVILE, OREGON. TO CONVERT FROM NAVD88 TO LOCAL ELEVATIONS, SUBTRACT 2.78 FEET FROM NAVD88 ELEVATIONS.

LEGEND:
- FINAL GRADES - 10 FT CONTOUR
- FINAL GRADES - 2 FT CONTOUR
- FINAL GRADES - 1 FT CONTOUR
- ACCESS RAMP
- PROPOSED TOE OF BERM
- STORMWATER POND (EXISTING)
- STORMWATER POND (TO BE CONSTRUCTED)
- EXISTING MSE BERM/MODULE 9
- PROPOSED MSE BERM/MODULE 11
- APPROXIMATE EXISTING MODULES BOUNDARY
- EXISTING TOPOGRAPHY
- EXISTING FLOODWAY
- STREAM BANK
- 50' OFFSET TO STREAM BANK
- 50' OFFSET TO TAX LOT LINE
- 105' OFFSET TO STREAM BANK
- EXISTING FLOODWAY
- 100 YR FLOODPLAIN
- 100 YR FLOODPLAIN
- WETLANDS (SEE NOTE 1)
- STREAM BANK
- 50' OFFSET TO STREAM BANK
- APPROXIMATE EXISTING MODULES BOUNDARY
- EXISTING TOPOGRAPHY
- TAX LOT LINE
- EXISTING FLOODWAY
- FINAL GRADES - SOFT CONTOUR
EXISTING STORMWATER POND-1 TO REMAIN

EXISTING STORMWATER POND-2

EXISTING STORMWATER POND-3

EXISTING STORMWATER POND-4 (TO BE DECOMMISSIONED)

EXISTING STORMWATER POND-4 (TO BE CONSTRUCTED)

PROPOSED DRAINAGE DITCH

PROPOSED ROADSIDE DRAINAGE DITCH

NEW STORMWATER POND-1

NEW STORMWATER POND-2

NEW STORMWATER POND-3

NEW-STORM DRAIN PIPE INTO SEDIMENT POND-3 AT 120° TO 36" DIAMETER

NEW OUTLET PIPE FROM SEDIMENT POND-3 TO OUTFALL 18" TO 24" DIAMETER

OUTFALL CONCENTRATION POINT (SEE NOTE 5)

OUTFALL POINT OF CONCENTRATION

EXISTING OUTFALL TO ENTRANCE FACILITY

EXISTING FLOODPLAIN WATER QUALITY DETENTION AND TREATMENT SYSTEM

EXISTING FLOODPLAIN WATER QUALITY DETENTION AND TREATMENT SYSTEM

NEW STORM DRAIN PIPE INTO SEDIMENT POND-3 120° TO 36" DIAMETER

NEW OUTLET PIPE FROM SEDIMENT POND-3 TO OUTFALL 18" TO 24" DIAMETER

OUTFALL CONCENTRATION POINT (SEE NOTE 5)

EXISTING STORMWATER POND 4 (TO BE DECOMMISSIONED)

EXISTING FLOODPLAIN WATER QUALITY DETENTION AND TREATMENT SYSTEM

EXISTING FLOODPLAIN WATER QUALITY DETENTION AND TREATMENT SYSTEM

NOTES:

1. WETLAND INFORMATION PROVIDED BY LATIMER ENVIRONMENTAL, LLC, PORTLAND, OREGON.

2. NORTHINGS, EASTINGS, AND ELEVATIONS ARE IN LOCAL COORDINATE SYSTEM AS DETERMINED BY LELAND A. MACDONALD AND ASSOCIATES, LLC, McMINTVILL, OREGON. TO CONVERT FROM NAVD88 TO LOCAL ELEVATIONS, SUBTRACT 2.78 FEET FROM NAVD88 ELEVATIONS.

3. LOCATIONS OF SURFACE WATER IMPROVEMENTS SHOWN BASED ON PRELIMINARY LAYOUT OF SURFACE WATER MANAGEMENT PLAN. THE SIZES AND LOCATIONS OF CHANNELS/DITCHES, DOWNCHUTES, OUTLETS, AND PONDS WILL BE FINALIZED AS PART OF PREPARING THE CONSTRUCTION DRAWINGS FOR EACH PHASE.

4. IN AREAS THAT HAVE BEEN CLOSED, EXISTING DOWNCHUTES AND OUTFALLS MAY NEED TO BE MODIFIED TO ACCOMMODATE ADDITIONAL FLOWS.

5. WATER QUALITY UNITS MAY BE NEEDED AT NEW AND AT EXISTING OUTFALLS.

6. CHANNEL/DITCH LINING WILL BE TURF REINFORCEMENT MAT (TRM), ASPHALT, OR EQUIVALENT.

7. PIPES SHALL BE SMOOTH HDPE WITH WELDED JOINTS. OTHER PIPE MATERIALS MAY ALSO BE USED DEPENDING ON LOCATION AND AS DETERMINED BY THE ENGINEER.

8. DOWNCHUTES SHALL BE PIPES OR ARMOR EROSION CONTROL BLOCKS (E.G., ARMORTEC) OR EQUIVALENT TO BE DETAILED IN THE CONSTRUCTION DRAWINGS.
WESTERN BERM CROSS SECTION - TYPICAL
Hc Geomembrane Geosynthetic Composite Liner System at Berm – With Pipe

NOTE: All dimensions are in feet.

NOTES:
1. The slope operation layer is 15' minimum and the drainage slope is 1:3.

2. The composite liner system shall meet the performance standards as specified in the
   Project Specifications.

Gh Geomembrane Geosynthetic Composite Liner System at Berm – With Pipe

NOTE: All dimensions are in feet.

NOTES:
1. The slope operation layer is 15' minimum and the drainage slope is 1:3.

2. The composite liner system shall meet the performance standards as specified in the
   Project Specifications.

Fw Geomembrane Geosynthetic Composite Liner System at Berm – With Pipe

NOTE: All dimensions are in feet.

NOTES:
1. The slope operation layer is 15' minimum and the drainage slope is 1:3.

2. The composite liner system shall meet the performance standards as specified in the
   Project Specifications.

Jw Geomembrane Geosynthetic Composite Liner System at Berm – With Pipe

NOTE: All dimensions are in feet.

NOTES:
1. The slope operation layer is 15' minimum and the drainage slope is 1:3.

2. The composite liner system shall meet the performance standards as specified in the
   Project Specifications.