LEGEND

- STRATIGRAPHIC BOUNDARY (DASHED WHERE INFERRED)
- UNCONFORMITY BOUNDARY
- WATER TABLE SURFACE
- NOV. 2020 EXISTING GROUND SURFACE
- (1418.76) WATER ELEVATION IN WELL (FEET, MSL) (NI) NOT INSTALLED
- (NI) NOT INSTALLED
- *LL=32* LIQUID LIMIT (NV=NON-VISCOUS, NP=NON-PLASTIC, NT=NOT TESTED
- *PL=17* PLASTIC LIMIT (NP=NON-PLASTIC, NT=NOT TESTED)
- $K_H = 4.5 \times 10^{-3}$ FIELD HORIZONTAL HYDRAULIC CONDUCTIVITY (CM/S)
- $K_V = 9.3 \times 10^{-6}$ LABORATORY VERTICAL HYDRAULIC CONDUCTIVITY (CM/S)
- *9.2/73.8/10.7/6.3* GRAIN SIZE ANALYSIS RESULT (% GRAVEL/% SAND/ % SILT/ %CLAY) (NA=NOT AVAILABLE)
- *5.6/68.6/25.8* GRAIN SIZE ANALYSIS RESULT (% GRAVEL/% SAND/ % SILT & %CLAY)
- APPROVED FINAL COVER
- APPROVED COMPOSITE LINER
- PROPOSED EASTERN VERTICAL EXPANSION FINAL COVER

SOIL CLASSIFICATION

REFER TO GEOLOGIC SYMBOLOGY ON SHEET 5 FOR DETAILS.

NOTES

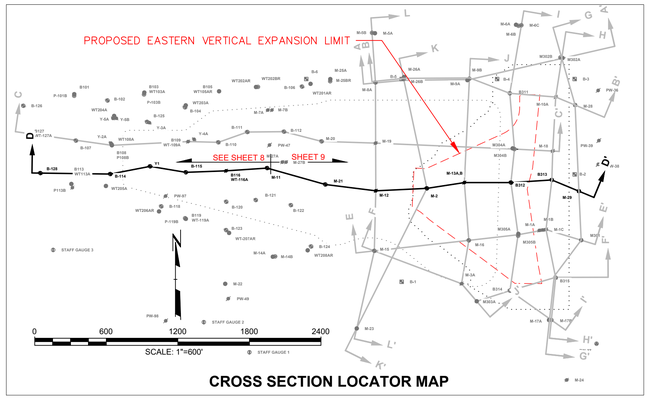
1. THE CORRELATION LINES ARE BASED ON INTERPOLATION BETWEEN BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS.
2. HORIZONTAL DISTANCES ARE MEASURED AND WATER TABLE DATA ARE PLOTTED WITH RESPECT TO THE CENTER OF EACH SOIL BORING LOCATION. WELL CONSTRUCTION SCHEMATICS ARE OFFSET FOR CLARITY.
3. THE NOVEMBER 2020 EXISTING GROUND SURFACE/PROPOSED SUBBASE GRADES/PROPOSED BASE GRADES/FINAL GRADES ARE BASED ON THE INFORMATION PRESENTED ON PLAN SHEETS 2, 15, 16, AND 17; RESPECTIVELY.
4. ELEVATIONS ARE SHOWN IN REFERENCE TO USGS MEAN SEA LEVEL (MSL) DATUM.
5. THE GROUNDWATER ELEVATIONS ARE BASED ON MEASUREMENTS OBTAINED BY SCS, INC. ON JUNE 1, 2008.
6. REFER TO THE FEASIBILITY REPORT APPENDICES FOR DETAILED LITHOLOGICAL DESCRIPTIONS, MONITORING WELL CONSTRUCTION DETAILS, SOIL TESTING RESULTS AND FIELD HYDRAULIC CONDUCTIVITY TEST RESULTS.
7. INTERPRETATION OF THE WATER TABLE BETWEEN BORINGS WAS TAKEN FROM THE HIGH WATER TABLE MAP (PLAN SHEET 3).

WELL CONSTRUCTION

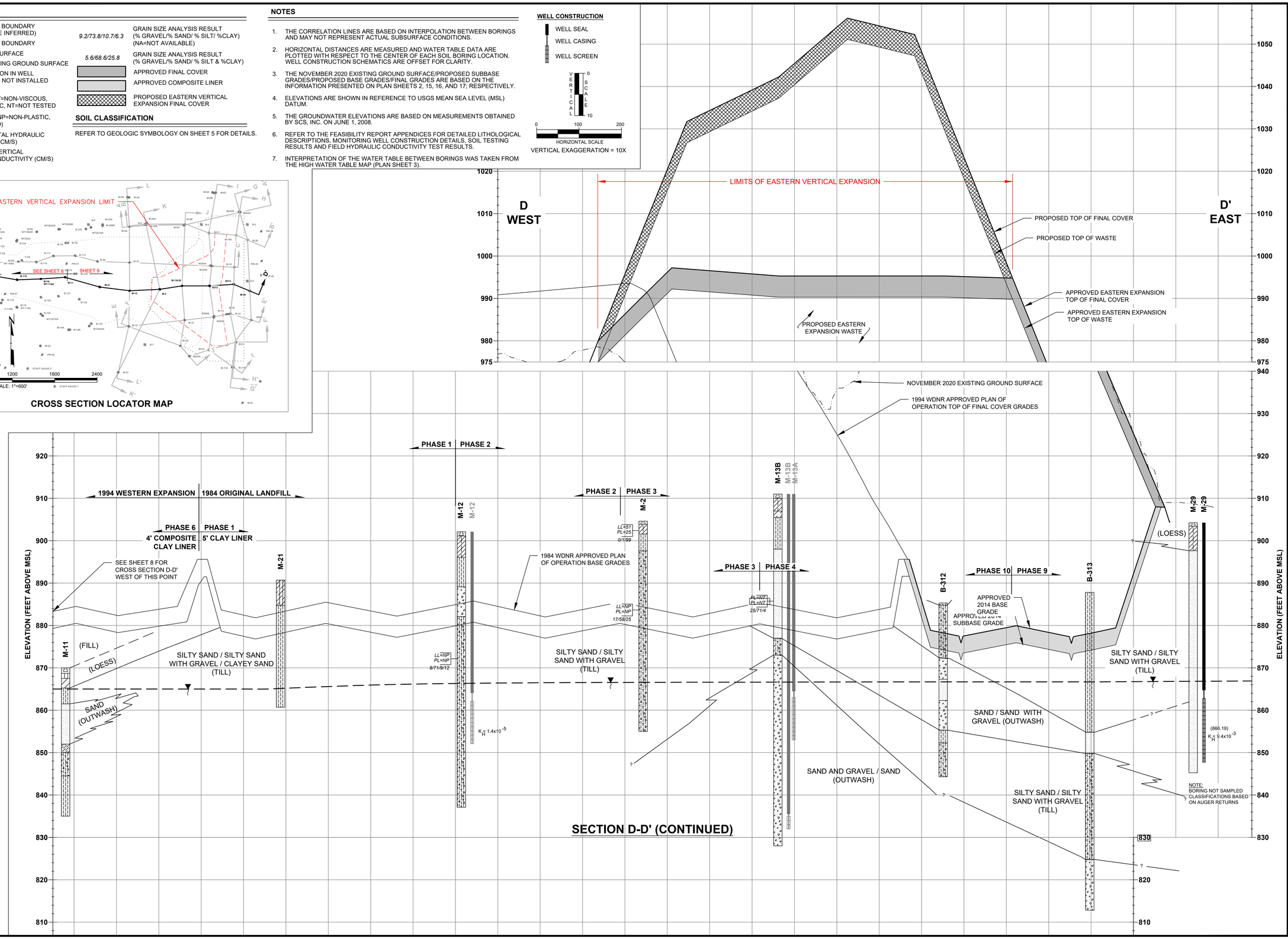
- WELL SEAL
- WELL CASING
- WELL SCREEN

VERTICAL SCALE 0 – 10; HORIZONTAL SCALE 0 – 100 – 200

VERTICAL EXAGGERATION = 10X



CROSS SECTION LOCATOR MAP



SECTION D-D' (CONTINUED)

PROJECT NO.	25220091.00
DRAWN:	01/28/2021
REVISED:	05/13/2021
DRAWN BY:	SHY
CHECKED BY:	BP
APPROVED BY:	BLP 05/14/2021

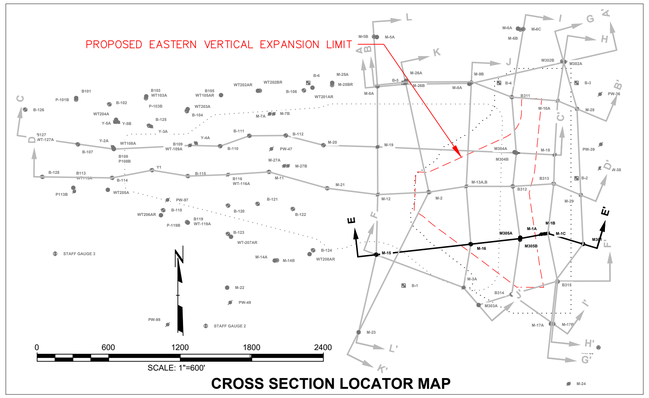
CLIENT: DANE COUNTY DEPARTMENT OF WASTE AND RENEWABLES, 1919 ALLIANT ENERGY CENTER WAY, MADISON, WI 53713

ENGINEER: SCS ENGINEERS, 2830 DAIRY DRIVE MADISON, WI 53718-6751, PHONE: (608) 224-2830

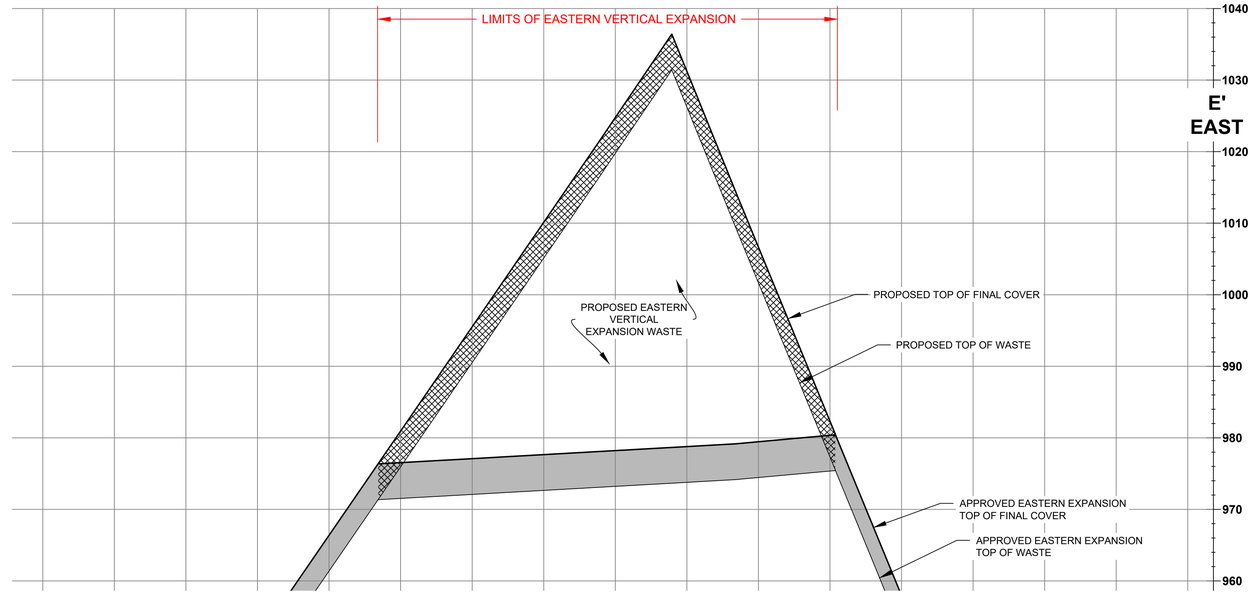
SITE: FEASIBILITY REPORT–EASTERN VERTICAL EXPANSION, DANE COUNTY LANDFILL SITE NO. 2, 7001 TUMBLEWEED TRAIL, MADISON, WISCONSIN

GEOLOGIC CROSS SECTION D–D' (CONTINUED)

SHEET 9 of 17



CROSS SECTION LOCATOR MAP



LEGEND

- STRATIGRAPHIC BOUNDARY (DASHED WHERE INFERRED)
- UNCONFORMITY BOUNDARY
- WATER TABLE SURFACE
- NOV. 2020 EXISTING GROUND SURFACE
- (865.47) WATER ELEVATION IN WELL (FEET, MSL)
- (NI) NOT INSTALLED
- *LL=32* LIQUID LIMIT (NV=NON-VISCOUS, NP=NON-PLASTIC, NT=NOT TESTED
- *PL=17* PLASTIC LIMIT (NP=NON-PLASTIC, NT=NOT TESTED)
- $K_H = 4.5x10^{-3}$ FIELD HORIZONTAL HYDRAULIC CONDUCTIVITY (CM/S)
- $K_V = 9.3x10^{-6}$ LABORATORY VERTICAL HYDRAULIC CONDUCTIVITY (CM/S)
- *9.2/73.8/10.7/6.3* GRAIN SIZE ANALYSIS RESULT (% GRAVEL/% SAND/ % SILT/ %CLAY) (NA=NOT AVAILABLE)
- *5.6/68.6/25.8* GRAIN SIZE ANALYSIS RESULT (% GRAVEL/% SAND/ % SILT & %CLAY)
- APPROVED FINAL COVER
- APPROVED COMPOSITE LINER
- PROPOSED EASTERN VERTICAL EXPANSION FINAL COVER

WELL CONSTRUCTION

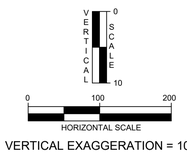
- WELL SEAL
- WELL CASING
- WELL SCREEN

SOIL CLASSIFICATION

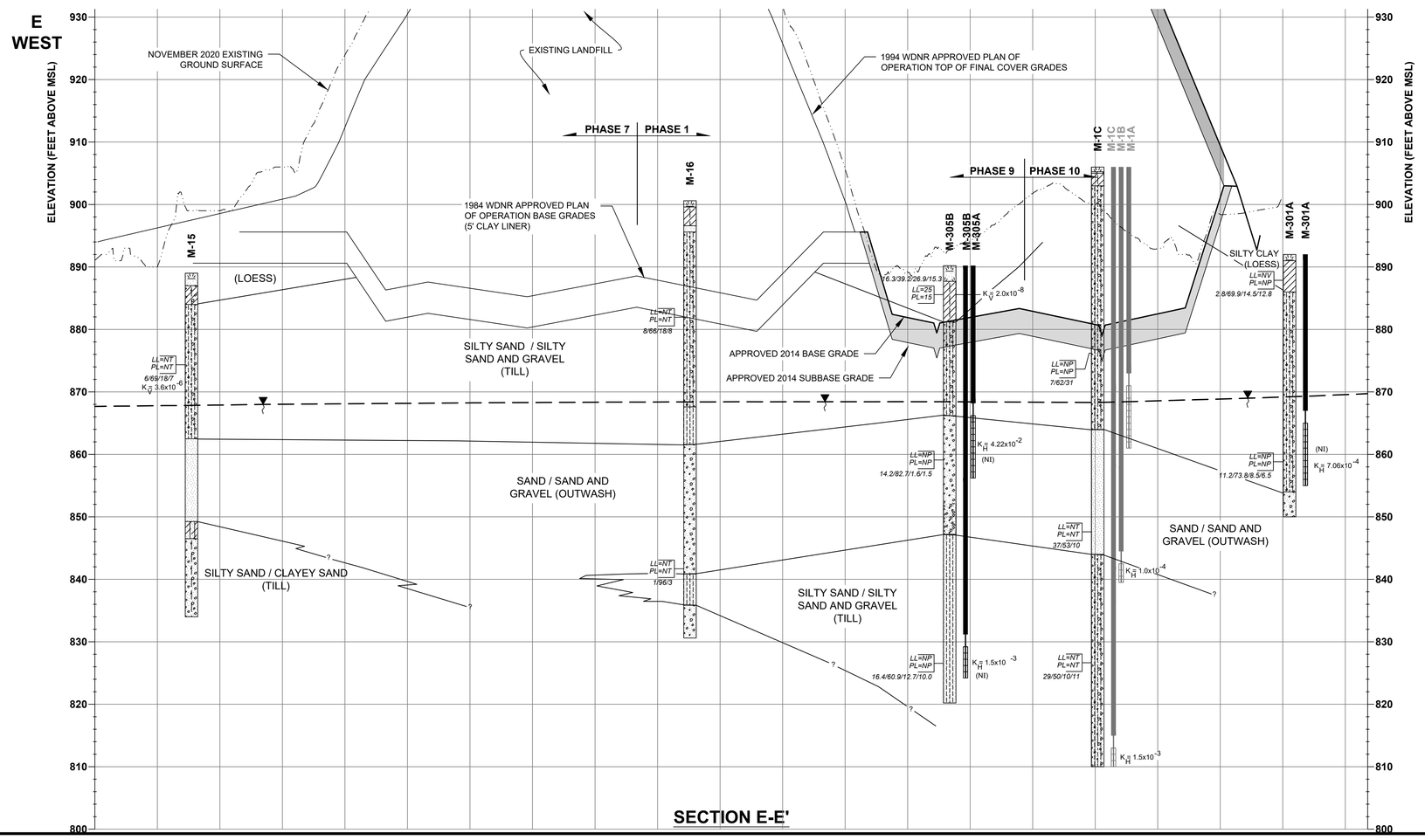
REFER TO GEOLOGIC SYMBOLOGY ON SHEET 5 FOR DETAILS.

NOTES

1. THE CORRELATION LINES ARE BASED ON INTERPOLATION BETWEEN BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS.
2. HORIZONTAL DISTANCES ARE MEASURED AND WATER TABLE DATA ARE PLOTTED WITH RESPECT TO THE CENTER OF EACH SOIL BORING LOCATION. WELL CONSTRUCTION SCHEMATICS ARE OFFSET FOR CLARITY.
3. THE NOVEMBER 2020 EXISTING GROUND SURFACE/PROPOSED SUBBASE GRADES/PROPOSED BASE GRADES/FINAL GRADES ARE BASED ON THE INFORMATION PRESENTED ON PLAN SHEETS 2, 15, 16, AND 17; RESPECTIVELY.
4. ELEVATIONS ARE SHOWN IN REFERENCE TO USGS MEAN SEA LEVEL (MSL) DATUM.
5. THE GROUNDWATER ELEVATIONS ARE BASED ON MEASUREMENTS OBTAINED BY SCS, INC. ON JUNE 1, 2008.
6. REFER TO THE FEASIBILITY REPORT APPENDICES FOR DETAILED LITHOLOGICAL DESCRIPTIONS, MONITORING WELL CONSTRUCTION DETAILS, SOIL TESTING RESULTS AND FIELD HYDRAULIC CONDUCTIVITY TEST RESULTS.
7. INTERPRETATION OF THE WATER TABLE BETWEEN BORINGS WAS TAKEN FROM THE HIGH WATER TABLE MAP (PLAN SHEET 3).



VERTICAL EXAGGERATION = 10X



SECTION E-E'

DRAWN BY:	SHY
CHECKED BY:	BP
APPROVED BY:	BLP 05/14/2021
PROJECT NO.	25220091.00
DRAWN:	01/28/2021
REVISED:	05/13/2021

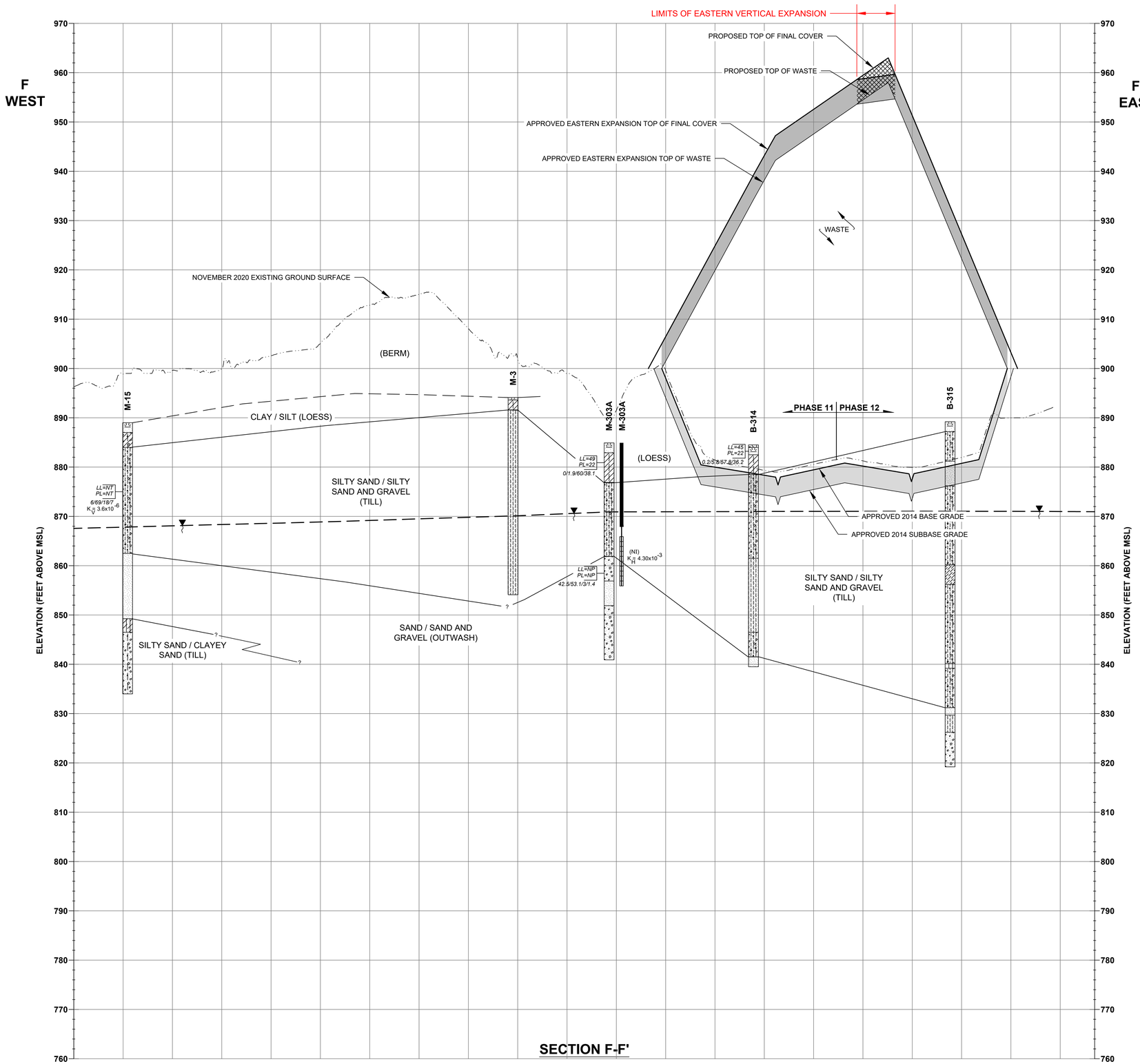
CLIENT: DANE COUNTY DEPARTMENT OF WASTE AND RENEWABLES, 1919 ALLIANT ENERGY CENTER WAY, MADISON, WI 53713

ENGINEER: SCS ENGINEERS, 2830 DARY DRIVE MADISON, WI 53718-6751, PHONE: (608) 224-2830

SITE: FEASIBILITY REPORT–EASTERN VERTICAL EXPANSION, DANE COUNTY LANDFILL SITE NO. 2, 7102 LANDFILL ROAD, MADISON, WISCONSIN

GEOLOGIC CROSS SECTION E–E'

SHEET 10 of 17



SECTION F-F'

LEGEND

	STRATIGRAPHIC BOUNDARY (DASHED WHERE INFERRED)
	UNCONFORMITY BOUNDARY
	WATER TABLE SURFACE
	NOV. 2020 EXISTING GROUND SURFACE
(865.47)	WATER ELEVATION IN WELL (FEET, MSL)
(NI)	NOT INSTALLED
LL=32	LIQUID LIMIT (NV=NON-VISCOUS, NP=NON-PLASTIC, NT=NOT TESTED
PL=17	PLASTIC LIMIT (NP=NON-PLASTIC, NT=NOT TESTED)
$K_H = 4.5x10^{-3}$	FIELD HORIZONTAL HYDRAULIC CONDUCTIVITY (CM/S)
$K_V = 9.3x10^{-6}$	LABORATORY VERTICAL HYDRAULIC CONDUCTIVITY (CM/S)
9.2/73.8/10.7/6.3	GRAIN SIZE ANALYSIS RESULT (% GRAVEL/% SAND/ % SILT/ %CLAY) (NA=NOT AVAILABLE)
5.6/68.6/25.8	GRAIN SIZE ANALYSIS RESULT (% GRAVEL/% SAND/ % SILT & %CLAY)
	APPROVED FINAL COVER
	APPROVED COMPOSITE LINER
	PROPOSED EASTERN VERTICAL EXPANSION FINAL COVER

WELL CONSTRUCTION

- WELL SEAL
- WELL CASING
- WELL SCREEN

SOIL CLASSIFICATION

REFER TO GEOLOGIC SYMBOLOGY ON SHEET 5 FOR DETAILS.

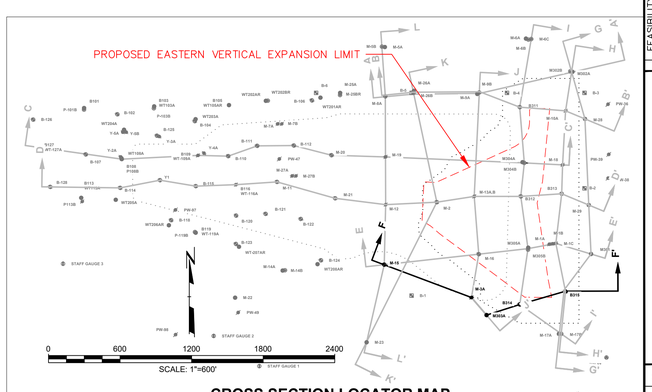
NOTES

1. THE CORRELATION LINES ARE BASED ON INTERPOLATION BETWEEN BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS.
2. HORIZONTAL DISTANCES ARE MEASURED AND WATER TABLE DATA ARE PLOTTED WITH RESPECT TO THE CENTER OF EACH SOIL BORING LOCATION. WELL CONSTRUCTION SCHEMATICS ARE OFFSET FOR CLARITY.
3. THE NOVEMBER 2020 EXISTING GROUND SURFACE/PROPOSED SUBBASE GRADES/PROPOSED BASE GRADES/FINAL GRADES ARE BASED ON THE INFORMATION PRESENTED ON PLAN SHEETS 2, 15, 16, AND 17; RESPECTIVELY.
4. ELEVATIONS ARE SHOWN IN REFERENCE TO USGS MEAN SEA LEVEL (MSL) DATUM.
5. THE GROUNDWATER ELEVATIONS ARE BASED ON MEASUREMENTS OBTAINED BY SCS, INC. ON JUNE 1, 2008.
6. REFER TO THE FEASIBILITY REPORT APPENDICES FOR DETAILED LITHOLOGICAL DESCRIPTIONS, MONITORING WELL CONSTRUCTION DETAILS, SOIL TESTING RESULTS AND FIELD HYDRAULIC CONDUCTIVITY TEST RESULTS.
7. INTERPRETATION OF THE WATER TABLE BETWEEN BORINGS WAS TAKEN FROM THE HIGH WATER TABLE MAP (PLAN SHEET 3).

VERTICAL SCALE 0 – 10

0 100 200
HORIZONTAL SCALE

VERTICAL EXAGGERATION = 10X



CROSS SECTION LOCATOR MAP

PROJECT NO.	25220091.00
DRAWN:	01/28/2021
REVISED:	05/13/2021
DRAWN BY:	SHY
CHECKED BY:	BP
APPROVED BY:	BLP 05/14/2021

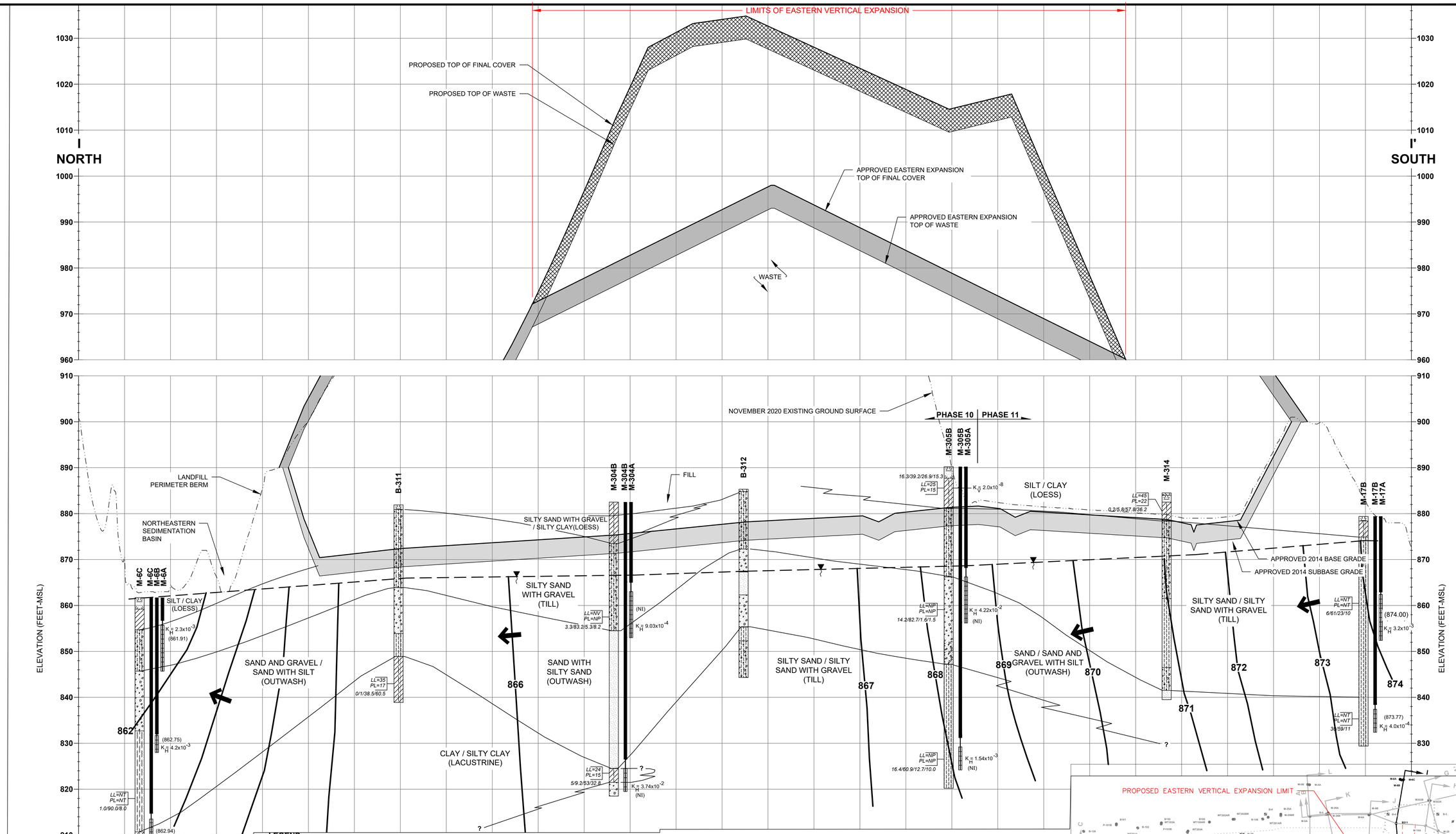
CLIENT: DANE COUNTY DEPARTMENT OF WASTE AND RENEWABLES
1919 ALLIANT ENERGY CENTER WAY
MADISON, WI 53713

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

SITE: FEASIBILITY REPORT–EASTERN VERTICAL EXPANSION
DANE COUNTY LANDFILL SITE
7010 US HWY 12/18 NO. 2
MADISON, WISCONSIN

GEOLOGIC CROSS SECTION F–F'

SHEET 11 of 17



LEGEND

- STRATIGRAPHIC BOUNDARY (DASHED WHERE INFERRED)
- UNCONFORMITY BOUNDARY
- WATER TABLE SURFACE
- POTENTIOMETRIC FLOW DIRECTION
- NOV. 2020 EXISTING GROUND SURFACE
- (1418.76) WATER ELEVATION IN WELL (FEET, MSL) (NI) NOT INSTALLED
- (NI) NOT INSTALLED
- *LL=32* LIQUID LIMIT (NV=NON-VISCOUS, NP=NON-PLASTIC, NT=NOT TESTED
- *PL=17* PLASTIC LIMIT (NP=NON-PLASTIC, NT=NOT TESTED)
- $K_H = 4.5x10^{-3}$ FIELD HORIZONTAL HYDRAULIC CONDUCTIVITY (CM/S)
- $K_V = 9.3x10^{-6}$ LABORATORY VERTICAL HYDRAULIC CONDUCTIVITY (CM/S)
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- *5.6/68.6/25.8* GRAIN SIZE ANALYSIS RESULT (% GRAVEL/% SAND/ % SILT & %CLAY)
- APPROVED FINAL COVER
- APPROVED COMPOSITE LINER
- PROPOSED EASTERN VERTICAL EXPANSION FINAL COVER

SOIL CLASSIFICATION

REFER TO GEOLOGIC SYMBOLOGY ON SHEET 5 FOR DETAILS.

NOTES

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7. INTERPRETATION OF THE WATER TABLE BETWEEN BORINGS WAS TAKEN FROM THE HIGH WATER TABLE MAP (PLAN SHEET 3).

WELL CONSTRUCTION

- WELL SEAL
- WELL CASING
- WELL SCREEN

VERTICAL SCALE 0 – 10; HORIZONTAL SCALE 0 – 100 – 200

VERTICAL EXAGGERATION = 10X

PROJECT NO.	25220091.00	DRAWN BY: SHY
DRAWN:	01/28/2021	CHECKED BY: BP
REVISED:	05/13/2021	APPROVED BY: BLP 05/14/2021

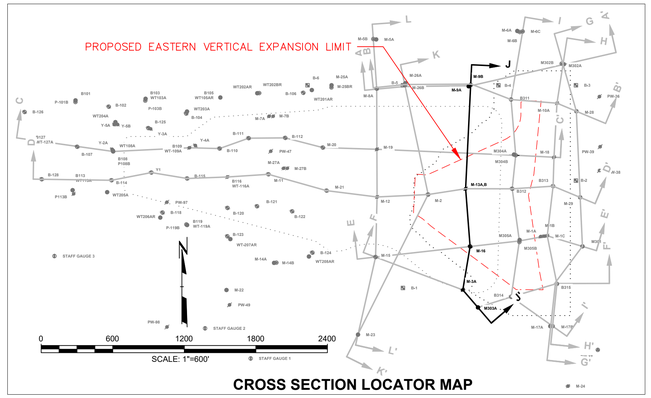
CLIENT: DANE COUNTY DEPARTMENT OF WASTE AND RENEWABLES, 1919 ALLIANT ENERGY CENTER WAY, MADISON, WI 53713

ENGINEER: SCS ENGINEERS, 2830 DAIRY DRIVE MADISON, WI 53718-6751, PHONE: (608) 224-2830

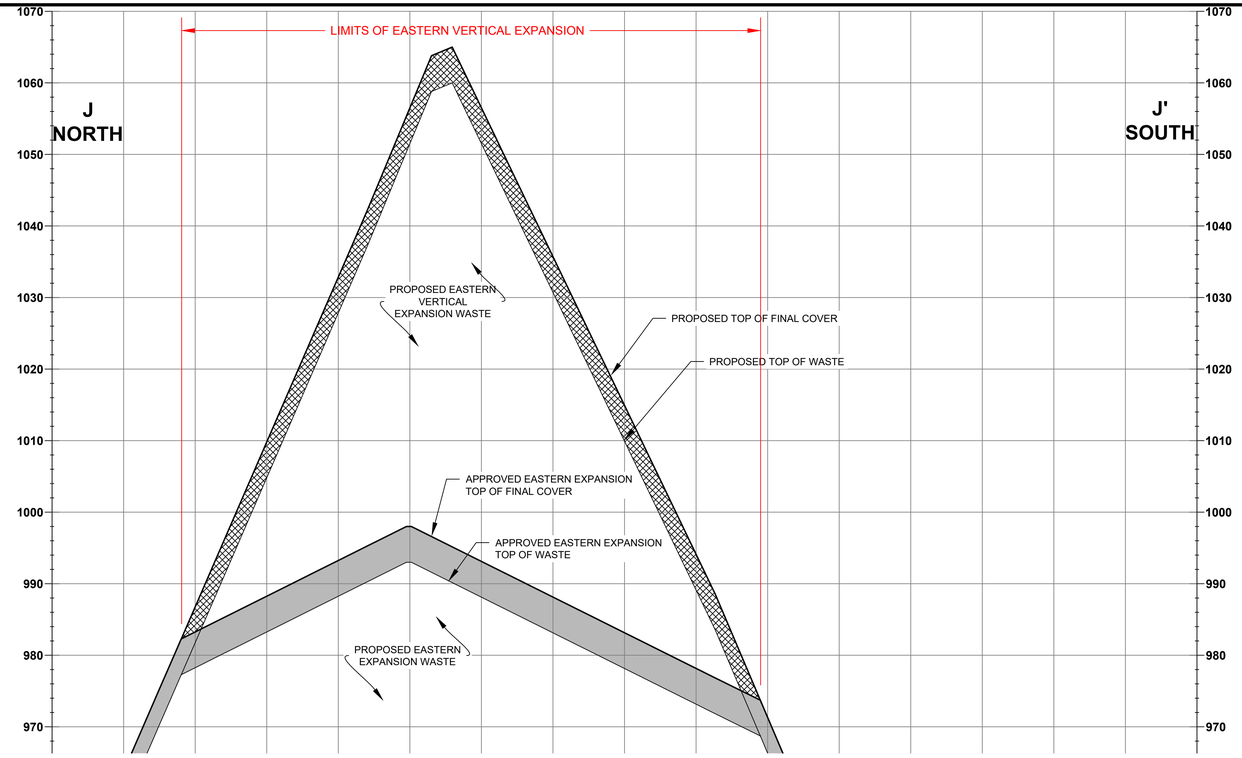
SITE: FEASIBILITY REPORT–EASTERN VERTICAL EXPANSION, DANE COUNTY LANDFILL SITE NO. 2, 1919 ALLIANT ENERGY CENTER WAY, MADISON, WISCONSIN

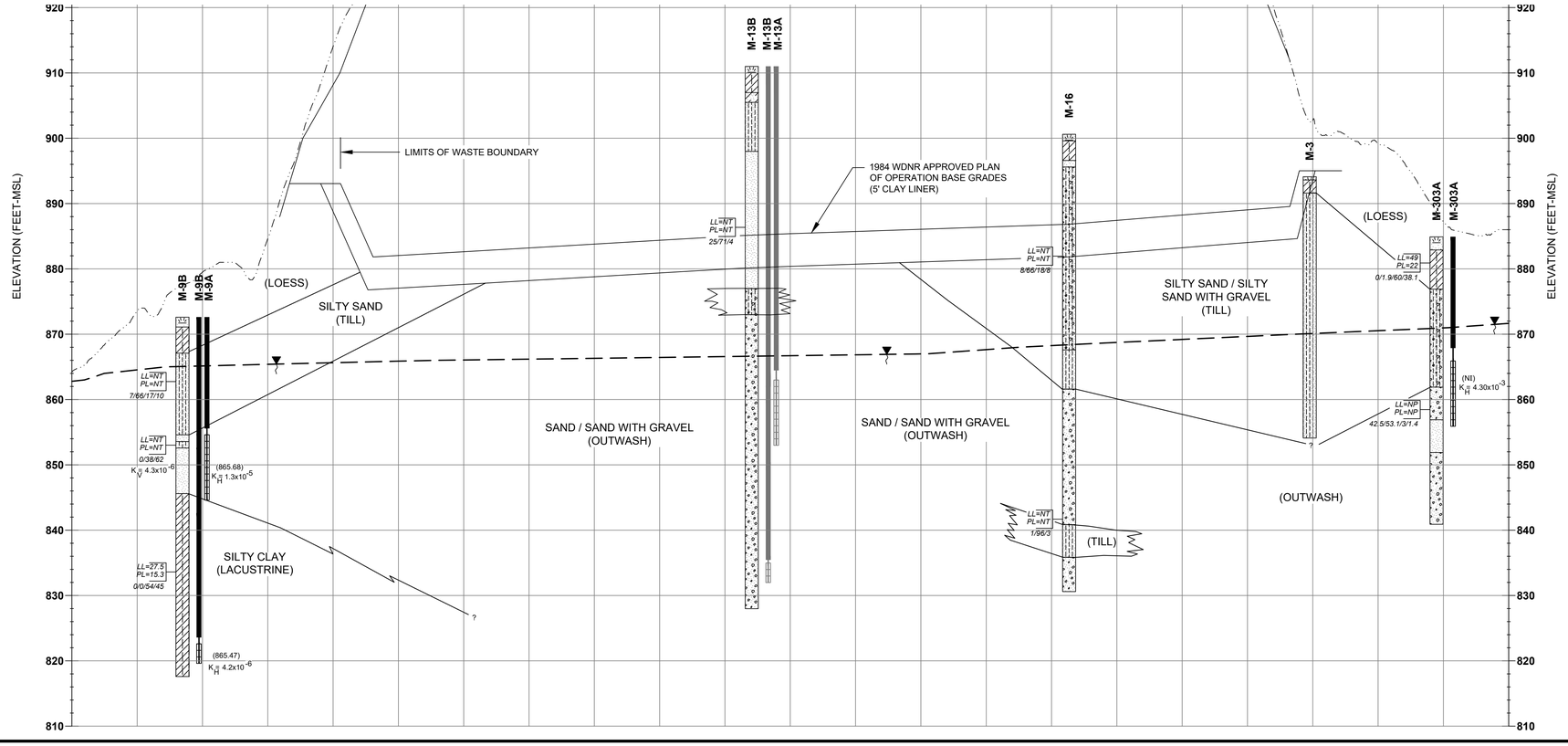
GEOLOGIC CROSS SECTION I–I'

SHEET 12 of 17



CROSS SECTION LOCATOR MAP





LEGEND

	STRATIGRAPHIC BOUNDARY (DASHED WHERE INFERRED)
	UNCONFORMITY BOUNDARY
	WATER TABLE SURFACE
	NOV. 2020 EXISTING GROUND SURFACE
(865.47)	WATER ELEVATION IN WELL (FEET, MSL)
(NI)	NOT INSTALLED
LL=32	LIQUID LIMIT (NV=NON-VISCOUS, NP=NON-PLASTIC, NT=NOT TESTED
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9.2/73.8/10.7/6.3	GRAIN SIZE ANALYSIS RESULT (% GRAVEL/% SAND/ % SILT/ %CLAY) (NA=NOT AVAILABLE)
5.6/68.6/25.8	GRAIN SIZE ANALYSIS RESULT (% GRAVEL/% SAND/ % SILT & %CLAY)
	APPROVED FINAL COVER
	APPROVED COMPOSITE LINER
	PROPOSED EASTERN VERTICAL EXPANSION FINAL COVER

WELL CONSTRUCTION

- WELL SEAL
- WELL CASING
- WELL SCREEN

SOIL CLASSIFICATION

REFER TO GEOLOGIC SYMBOLOGY ON SHEET 5 FOR DETAILS.

NOTES

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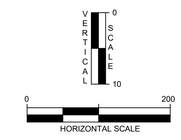


VERTICAL EXAGGERATION = 10X

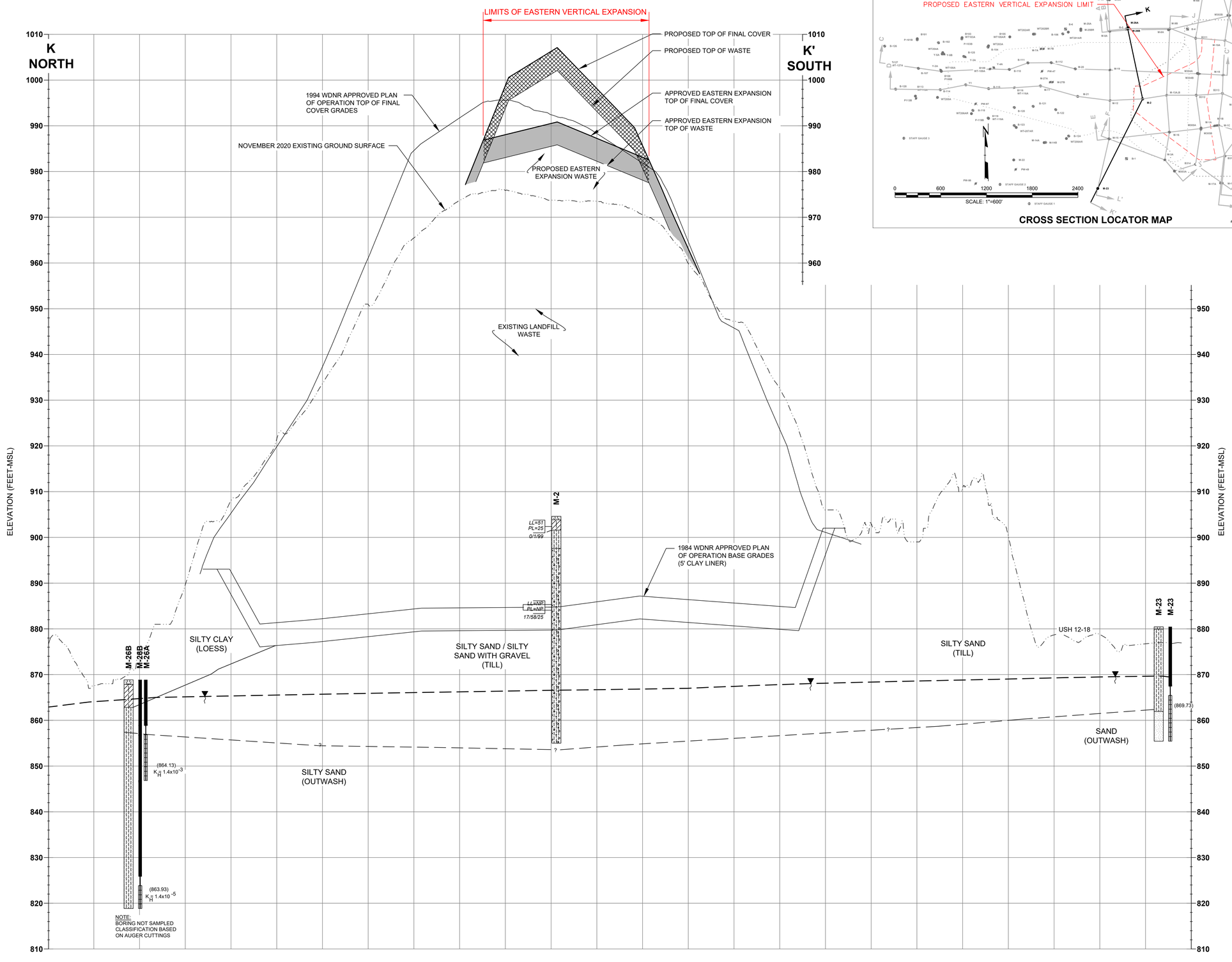
DRAWN BY:	SHY
CHECKED BY:	BP
APPROVED BY:	BLP 05/14/2021
PROJECT NO.	25220091.00
DRAWN:	01/28/2021
REVISED:	05/13/2021

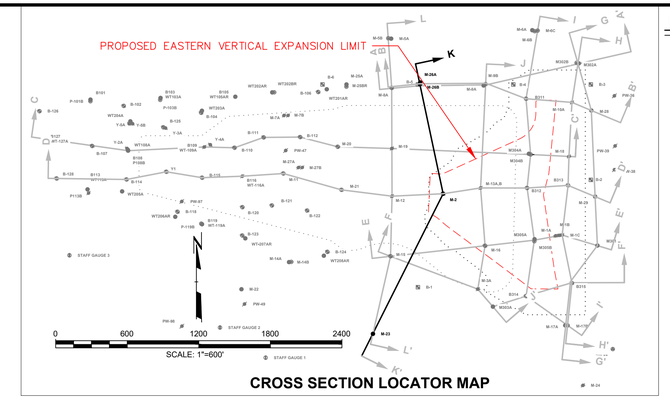
CLIENT: DANE COUNTY DEPARTMENT OF WASTE AND RENEWABLES, 1919 ALLIANT ENERGY CENTER WAY, MADISON, WI 53713

ENGINEER: SCS ENGINEERS, 2830 DAIRY DRIVE MADISON, WI 53718-6751, PHONE: (608) 224-2830

SITE: FEASIBILITY REPORT–EASTERN VERTICAL EXPANSION, DANE COUNTY LANDFILL SITE NO. 2, 7002 LANDFILL LANE, MADISON, WISCONSIN

GEOLOGIC CROSS SECTION J–J'





LEGEND

	STRATIGRAPHIC BOUNDARY (DASHED WHERE INFERRED)
	UNCONFORMITY BOUNDARY
	WATER TABLE SURFACE
	NOV. 2020 EXISTING GROUND SURFACE
(865.47)	WATER ELEVATION IN WELL (FEET, MSL)
(NI)	NOT INSTALLED
LL=32	LIQUID LIMIT (NV=NON-VISCOUS, NP=NON-PLASTIC, NT=NOT TESTED
PL=17	PLASTIC LIMIT (NP=NON-PLASTIC, NT=NOT TESTED)
$K_H = 4.5x10^{-3}$	FIELD HORIZONTAL HYDRAULIC CONDUCTIVITY (CM/S)
$K_V = 9.3x10^{-6}$	LABORATORY VERTICAL HYDRAULIC CONDUCTIVITY (CM/S)
9.2/73.8/10.7/6.3	GRAIN SIZE ANALYSIS RESULT (% GRAVEL/% SAND/ % SILT/ %CLAY) (NA=NOT AVAILABLE)
5.6/68.6/25.8	GRAIN SIZE ANALYSIS RESULT (% GRAVEL/% SAND/ % SILT & %CLAY)
	APPROVED FINAL COVER
	APPROVED COMPOSITE LINER
	PROPOSED EASTERN VERTICAL EXPANSION FINAL COVER

WELL CONSTRUCTION

- WELL SEAL
- WELL CASING
- WELL SCREEN

SOIL CLASSIFICATION

REFER TO GEOLOGIC SYMBOLOGY ON SHEET 5 FOR DETAILS.

NOTES

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7. INTERPRETATION OF THE WATER TABLE BETWEEN BORINGS WAS TAKEN FROM THE HIGH WATER TABLE MAP (PLAN SHEET 3).

VERTICAL SCALE 0 – 10
HORIZONTAL SCALE 0 – 200

VERTICAL EXAGGERATION = 10X

DRAWN BY: SHY
CHECKED BY: BP
APPROVED BY: BLP 05/14/2021

PROJECT NO. 25220091.00
DRAWN: 01/28/2021
REVISED: 05/13/2021

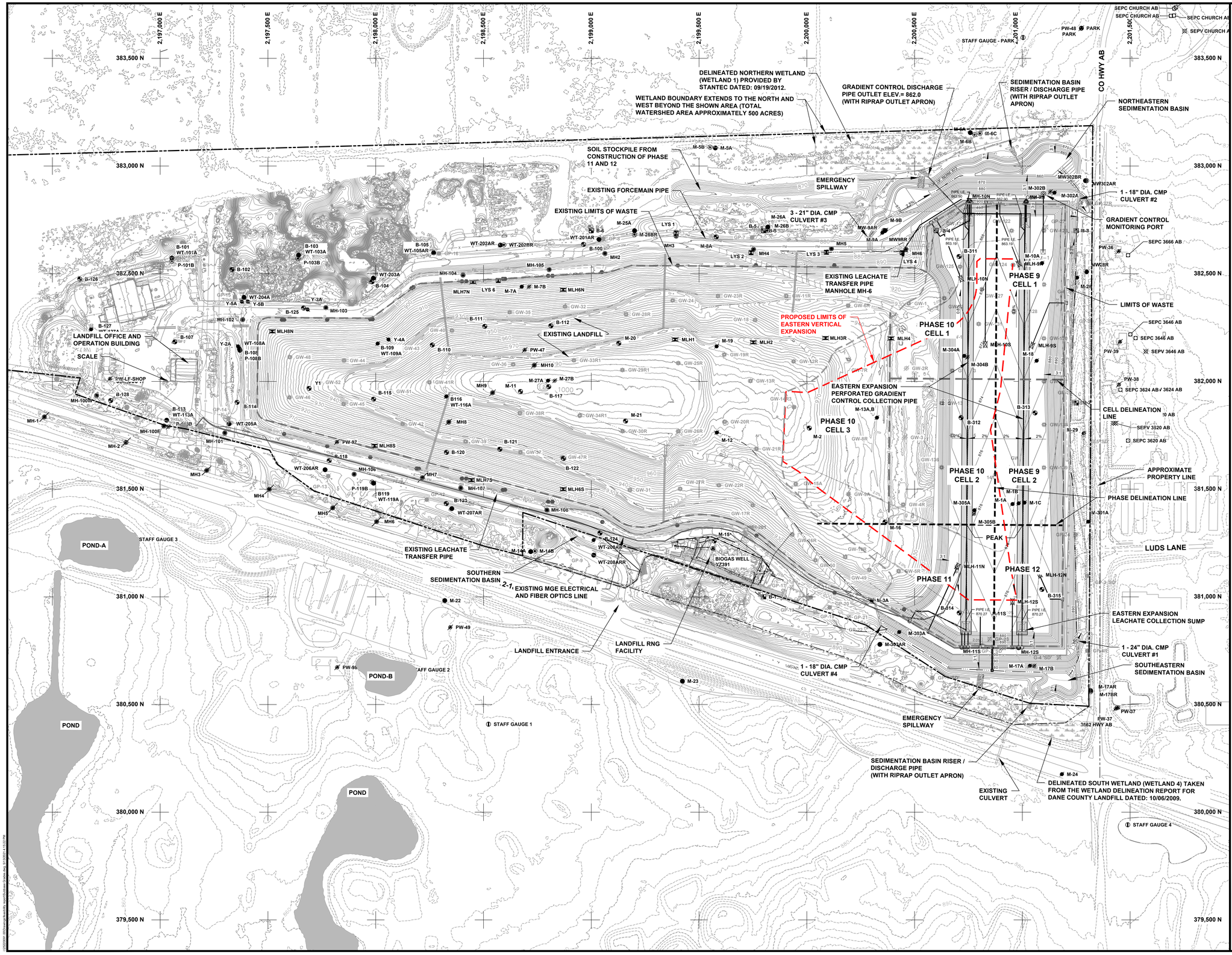
CLIENT
DANE COUNTY DEPARTMENT OF WASTE AND RENEWABLES
1919 ALLIANT ENERGY CENTER WAY
MADISON, WI 53713

ENGINEER
SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

SITE
FEASIBILITY REPORT–EASTERN VERTICAL EXPANSION
DANE COUNTY LANDFILL SITE NO. 2
7002 LANDFILL LANE
MADISON, WISCONSIN

GEOLOGIC CROSS SECTION K–K'

SHEET
14 of 17



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE RIGHT-OF-WAY
- GRID LOCATION
- EXISTING PAVED ROAD
- EXISTING UNPAVED ROAD
- EXISTING FENCE
- EXISTING BUILDING
- 800 — EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- x 815.1 — EXISTING SPOT ELEVATION
- EXISTING TREES AND/OR BRUSH
- EXISTING WET AREA AND WETLAND LIMITS
- EXISTING EDGE OF WATER
- DRAINAGE DITCH
- EXISTING APPROVED LIMITS OF WASTE
- PROPOSED EASTERN VERTICAL EXPANSION LIMITS
- APPROVED PHASE DELINEATION LINE
- APPROVED CELL DELINEATION LINE
- 890 — APPROVED 10' BASE GRADE CONTOUR
- 892 — APPROVED 2' BASE GRADE CONTOUR
- APPROVED LEACHATE COLLECTION SUMP
- 0.75% — SLOPE AND DIRECTION
- PROPOSED PERFORATED GRADIENT CONTROL PIPE
- B-1 — EXISTING SURVEY CONTROL MONUMENT
- FM — EXISTING LEACHATE FORCEMAIN LINE
- GD — EXISTING LEACHATE GRAVITY DRAIN LINE
- SAN — EXISTING SANITARY SEWER LINE
- FM — PROPOSED NEW FORCEMAIN PIPE
- GRADIENT CONTROL GRADIENT LAYER

NOTES

1. REFER TO PLAN SHEET 2 OF THIS PLAN SET FOR BASE MAP LEGEND AND GENERAL NOTES.
2. SUBBASE GRADES SHOWN ARE AS APPROVED FOR THE EASTERN EXPANSION.
3. REFER TO PLAN SHEET 2 OF THIS PLAN SET FOR LOCATIONS AND ELEVATIONS OF EXISTING CONTROL MONUMENTS.

N

0 200 400 600 800

SCALE: 1"=200'

PROJECT NO.	23220091.00
DRAWN:	01/28/2021
REVISED:	05/13/2021
DRAWN BY:	SHY
CHECKED BY:	BP
APPROVED BY:	BLP 05/14/2021

CLIENT: DANE COUNTY DEPARTMENT OF WASTE AND RENEWABLES
1919 ALLIANT ENERGY CENTER WAY
MADISON, WI 53713

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

SITE: FEASIBILITY REPORT—EASTERN VERTICAL EXPANSION
DANE COUNTY LANDFILL NO. 2
7102 US HWY 12/18
MADISON, WISCONSIN

SHEET: APPROVED SUBBASE GRADES

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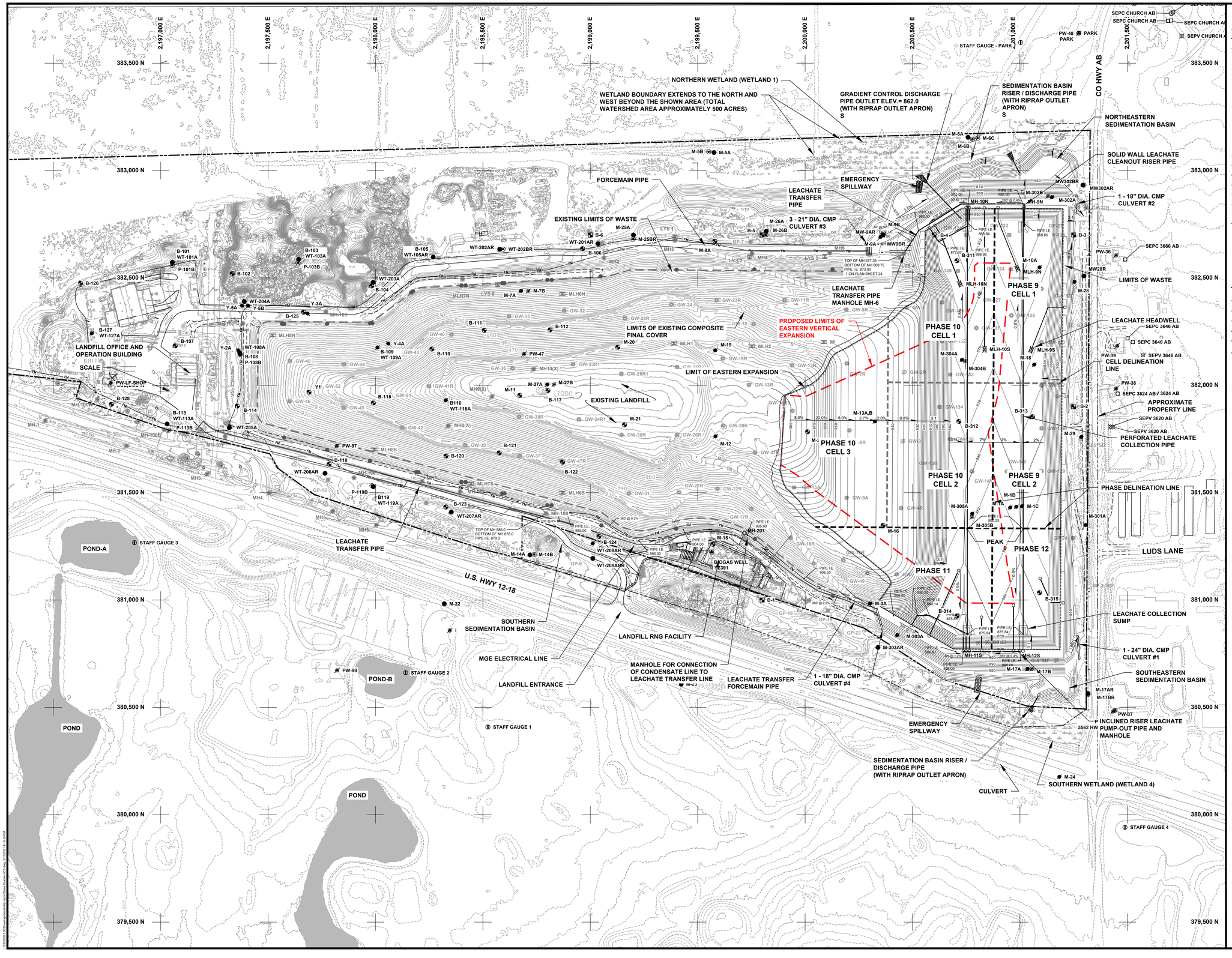


LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE RIGHT-OF-WAY
- GRID LOCATION
- EXISTING PAVED ROAD
- EXISTING UNPAVED ROAD
- EXISTING FENCE
- EXISTING BUILDING
- 800 — EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- x 815.1 — EXISTING SPOT ELEVATION
- EXISTING WET AREA AND WETLAND LIMITS
- EXISTING EDGE OF WATER
- DRAINAGE DITCH
- EXISTING APPROVED LIMITS OF WASTE
- PROPOSED EASTERN VERTICAL EXPANSION AREA
- APPROVED PHASE DELINEATION LINE
- APPROVED CELL DELINEATION LINE
- 890 — APPROVED 10' BASE GRADE CONTOUR
- 892 — APPROVED 2' BASE GRADE CONTOUR
- APPROVED LEACHATE COLLECTION PIPE
- APPROVED LEACHATE COLLECTION SUMP
- 0.75% — SLOPE AND DIRECTION
- APPROVED SOLID WALL LEACHATE CLEANOUT PIPE
- MH-9N — APPROVED INCLINED RISER LEACHATE PUMP-OUT PIPE AND MANHOLE
- APPROVED PERFORATED LEACHATE COLLECTION PIPE
- FM — EXISTING LEACHATE FORCEMAIN LINE
- GD — EXISTING LEACHATE GRAVITY DRAIN LINE
- SAN — EXISTING SANITARY SEWER LINE
- FM — APPROVED NEW FORCEMAIN PIPE
- LIMITS OF COMPOSITE FINAL COVER
- LIMITS OF VERTICAL EXPANSION FOR 1993 WESTERN EXPANSION
- MLH-9N — APPROVED LEACHATE HEADWELL LOCATION

NOTES

1. REFER TO PLAN SHEET 2 OF THIS PLAN SET FOR BASE MAP LEGEND AND GENERAL NOTES.
2. BASE GRADES SHOWN ARE AS APPROVED FOR THE EASTERN EXPANSION.
3. APPROVED BASE GRADES FROM SHEET 5 OF 33 OF THE EASTERN EXPANSION PLAN OF OPERATION.

N

0 200 400 600 800

SCALE: 1"=200'

PROJECT NO.	252200911.00	DRAWN BY:	SHY
DRAWN:	01/28/2021	CHECKED BY:	BP
REVISED:	05/13/2021	APPROVED BY:	BLP 05/14/2021

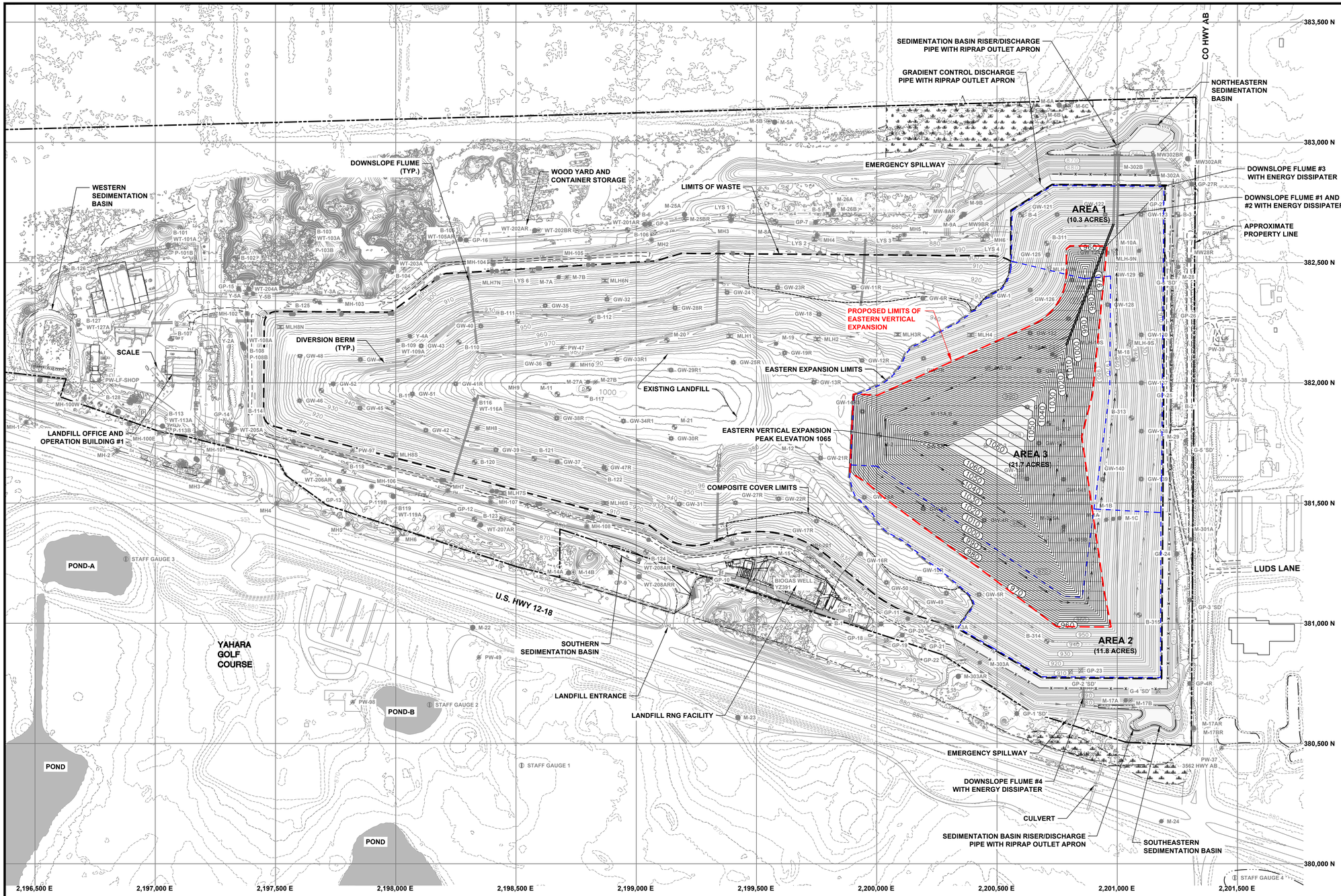
CLIENT: DANE COUNTY DEPARTMENT OF WASTE AND RENEWABLES
1919 ALLIANT ENERGY CENTER WAY
MADISON, WI 53713

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE, MADISON, WI 53718-6751
PHONE: (608) 224-2830

SITE: FEASIBILITY REPORT–EASTERN VERTICAL EXPANSION
DANE COUNTY LANDFILL SITE NO. 2
7102 LUDS LANE, T07N R10E
MADISON, WISCONSIN

APPROVED BASE GRADES–LEACHATE COLLECTION SYSTEM

SHEET 16 of 17



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- APPROVED LIMITS OF WASTE
- EXISTING EASTERN EXPANSION LIMITS
- PROPOSED EASTERN VERTICAL EXPANSION LIMITS
- PROPOSED FINAL COVER CLOSURE AREA LIMITS
- EXISTING COMPOSITE FINAL COVER LIMITS
- 920 EXISTING GRADE (10' CONTOUR)
- EXISTING GRADE (2' CONTOUR)
- 920 EXISTING LANDFILL FINAL GRADE (10' CONTOUR)
- EXISTING LANDFILL FINAL GRADE (2' CONTOUR)
- 920 APPROVED FINAL GRADE (10' CONTOUR)
- APPROVED FINAL GRADE (2' CONTOUR)
- 1000 PROPOSED FINAL GRADE (10' CONTOUR)
- PROPOSED FINAL GRADE (2' CONTOUR))
- EXISITNG TREES AND/OR BRUSH
- EXISTING WET AREA AND WETLAND LIMITS
- EXISTING EDGE OF WATER
- EXISTING DIVERSION BERM
- PROPOSED DIVERSION BERM
- EXISTING PAVED ROAD
- EXISTING UNPAVED ROAD
- EXISTING FENCE
- EXISTING BUILDING
- EXISTING CULVERT
- EXISTING DOWNSLOPE FLUME
- PROPOSED DOWNSLOPE FUME

NOTE:

1. EXISTING LANDFILL TOPOGRAPHY AT 2' CONTOUR INTERVAL PROVIDED BY DANE COUNTY DRONE FLIGHT OF 11-04-20.
2. PROPERTY BOUNDARY BASED ON CSM PREPARED BY AYRES ASSOCIATES, INC. DATED AUGUST 6, 2020.
3. HORIZONTAL DATUM IS BASED ON NAD27 WISCONSIN STATE PLANE COORDINATE SYSTEM.
4. ELEVATIONS ARE BASED ON USGS MEAN SEA LEVEL (MSL) DATUM. TOPOGRAPHIC CONTOUR INTERVAL IS 2 FEET.

0 200 400 600 800

PROJECT NO.	252/2009.00
DRAWN:	01/28/2021
REVISED:	05/13/2021
DRAWN BY:	SHY
CHECKED BY:	BIP
APPROVED BY:	BLP 05/14/2021

CLIENT: DANE COUNTY DEPARTMENT OF WASTE AND RENEWABLES
1919 ALVIN DODGE DRIVE
MADISON, WI 53713

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

SITE: FEASIBILITY REPORT-EASTERN VERTICAL EXPANSION
DANE COUNTY LANDFILL SITE NO. 2
7102 US HWY 12/18
MADISON, WISCONSIN

FINAL COVER WITH CLOSURE PHASES

SHEET 17 of 17

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