Appendix D – Preliminary Engineering Drawings of the Proposed Landfill and Haul Road

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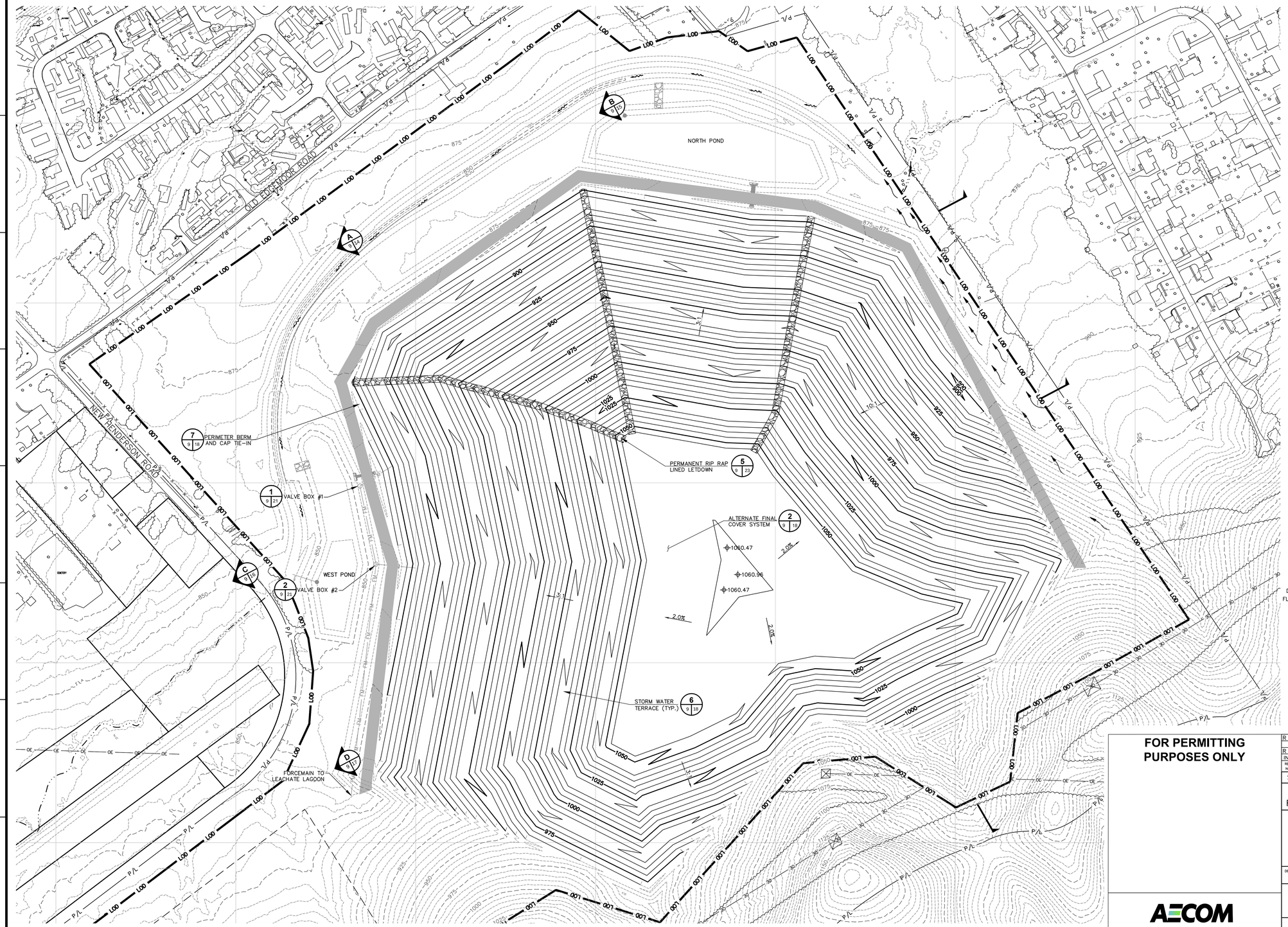
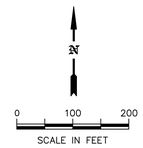
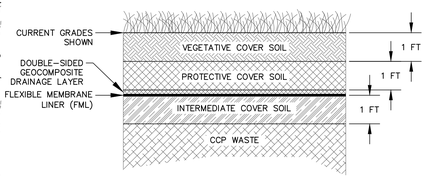




LEGEND

- 500 — EXISTING MAJOR CONTOURS (25')
- EXISTING MINOR CONTOURS (5')
- 500 — PROPOSED MAJOR CONTOURS (25')
- PROPOSED MINOR CONTOURS (5')
- LOD — LIMITS OF DISTURBANCE
- FM — FORCEMAIN PIPE
- OE — OVERHEAD LINE
- PROPOSED PERIMETER ROAD
- STORM WATER RUN-OFF FLOW DIRECTION
- EXISTING STREAM
- TRANSMISSION TOWER



ALTERNATE FINAL COVER SYSTEM

FOR PERMITTING PURPOSES ONLY

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INITIAL ISSUE										

SCALE: 1" = 100' EXCEPT AS NOTED

DISCIPLINE INTERFACE

FINAL COVER AND GRADING PLAN

CLASS II DISPOSAL FACILITY PERMIT DRAWINGS

DESIGNED BY:	DRAWN BY:	CHECKED BY:	SUPERVISED BY:	REVIEWED BY:	APPROVED BY:	ISSUED BY:
SEB	CLF	NSG	TAK	RBC	MST	JCK

AECOM

BULL RUN FOSSIL PLANT
TENNESSEE VALLEY AUTHORITY
FOSSIL AND HYDRO ENGINEERING

AUTOCAD 2013 | DATE 10/07/15 | 49 | C | 10W392-09 | R A

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PLOT FACTOR:XX
W_TVA

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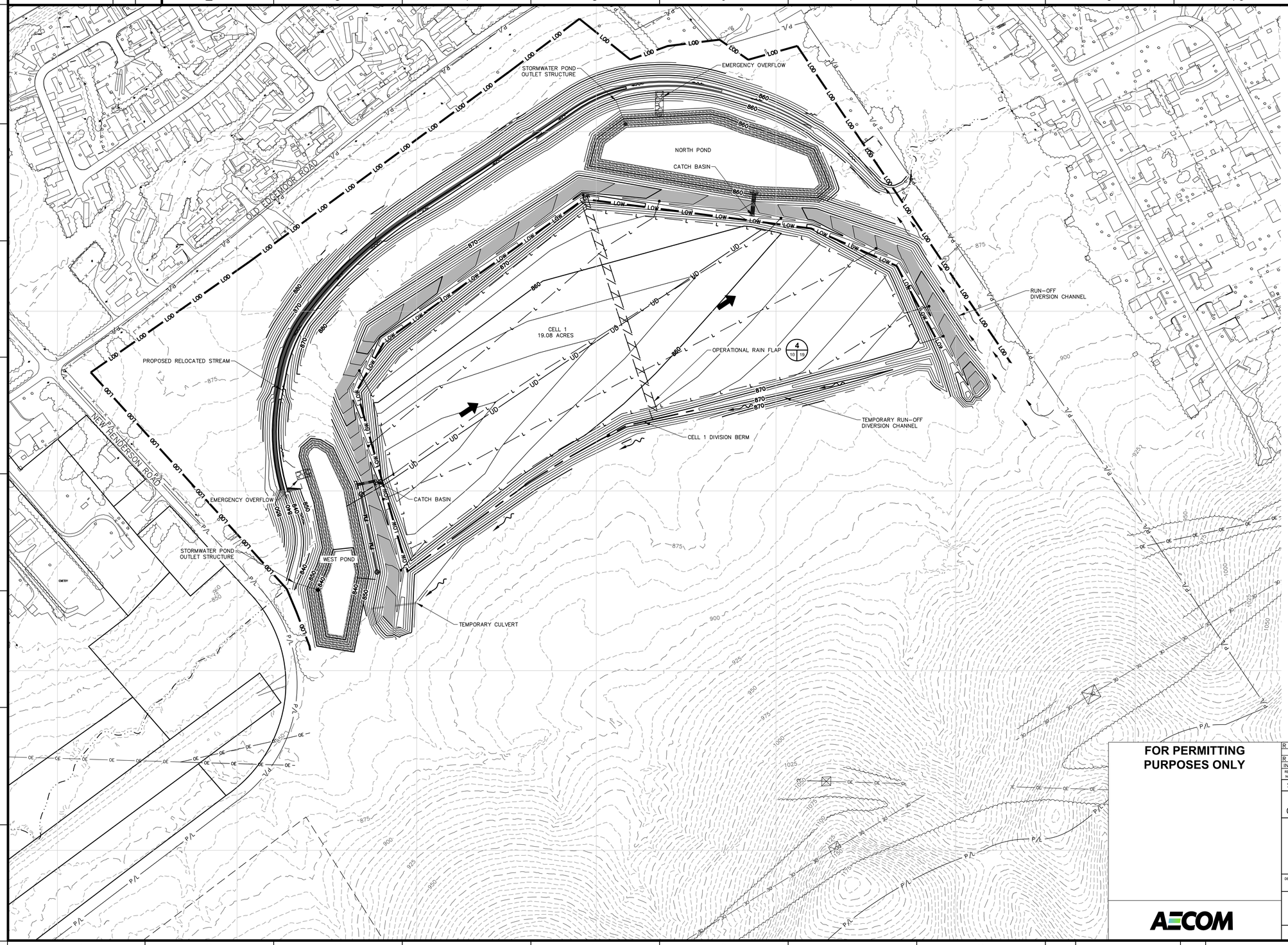

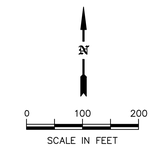

LEGEND

- 500 — EXISTING MAJOR CONTOURS (25')
- EXISTING MINOR CONTOURS (5')
- 500 — PROPOSED MAJOR CONTOURS (10')
- PROPOSED MINOR CONTOURS (2')
- LOW — PROPOSED LIMIT OF WASTE
- LOD — LIMITS OF DISTURBANCE
- OE — OVERHEAD LINE
- PROPOSED PERIMETER ROAD
- STORM WATER RUN-OFF FLOW DIRECTION
- CELL 1 DIVISION BERM
- FILL PROGRESSION
- PROPOSED RAIN FLAP
- EXISTING STREAM
- TRANSMISSION TOWER

NOTES:

1. OPERATIONAL RAINFLAPS OR SUB-CELL DIVISION BERMS SHOULD BE USED TO LIMIT THE SIZE OF THE ACTIVE AREA. RAINFLAP LOCATIONS ARE APPROXIMATE AND CAN BE MODIFIED BASED ON OPERATIONAL CONDITIONS.
2. THE OPERATIONAL AND CONSTRUCTION SEQUENCING OUTLINED IN THESE DEVELOPMENT PLANS REPRESENTS ONE POSSIBLE PLAN FOR THE SYSTEMATIC DEVELOPMENT OF THE FACILITY. CHANGES TO THE DEVELOPMENT SEQUENCE MAY BE MADE BY THE OPERATOR TO ACCOUNT FOR FIELD CONDITIONS ENCOUNTERED OR OPERATIONAL PREFERENCES. IN ANY CASE, THE ACTUAL DEVELOPMENT OF THE FACILITY SHALL BE IN ACCORDANCE WITH THE APPLICABLE REGULATIONS AND THE ENGINEERING OBJECTIVE OF THIS PLAN. PRIOR TO MAKING ANY CHANGES TO THE FACILITY'S PERMITTED ENGINEERING COMPONENTS, TDEC APPROVAL IS REQUIRED.
3. ACCESS RAMPS CONSTRUCTED FROM PROTECTIVE COVER MATERIAL SHALL BE PROVIDED INTO EACH CELL. A DUMP PAD SHALL BE CONSTRUCTED FOR INITIAL WASTE PLACEMENT.
4. PROPOSED GRADING SHOWN REPRESENTS TOP OF COMPACTED CLAY LINER, SEE SHEET 6.

FOR PERMITTING PURPOSES ONLY

AECOM

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SCALE: 1" = 100 EXCEPT AS NOTED

CELL 1 DEVELOPMENT PLAN

CLASS II DISPOSAL FACILITY PERMIT DRAWINGS

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SSK	SSK	NSG	TAK	RBC	MST	JCK

BULL RUN FOSSIL PLANT
TENNESSEE VALLEY AUTHORITY
FOSSIL AND HYDRO ENGINEERING

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N

0 100 200
SCALE IN FEET

LEGEND

- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- PROPOSED LIMIT OF WASTE
- LIMITS OF DISTURBANCE
- OVERHEAD LINE
- PROPOSED PERIMETER ROAD
- STORM WATER RUN-OFF FLOW DIRECTION
- TEMPORARY TAG-ON TERRACES
- FILL PROGRESSION
- LIMITS OF CELL 1 WASTE PLACEMENT
- PROPOSED RAIN FLAP
- EXISTING STREAM
- TRANSMISSION TOWER

NOTES:

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3. ACCESS RAMPS CONSTRUCTED FROM PROTECTIVE COVER MATERIAL SHALL BE PROVIDED INTO EACH CELL. A DUMP PAD SHALL BE CONSTRUCTED FOR INITIAL WASTE PLACEMENT.
4. PROPOSED GRADING SHOWN REPRESENT TOP OF ASH/WASTE AND TOP OF COMPACTED CLAY, SEE SHEET 6.

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SCALE: 1" = 100' EXCEPT AS NOTED

DISCIPLINE INTERFACE

CELL 2 DEVELOPMENT PLAN

CLASS II DISPOSAL FACILITY PERMIT DRAWINGS

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SSK	SSK	NSG	TAK	RBC	MST	JCK

BULL RUN FOSSIL PLANT
TENNESSEE VALLEY AUTHORITY
FOSSIL AND HYDRO ENGINEERING

AUTOCAD 2013 | DATE 10/07/15 | 49 | C | 10W392-11 | R A

PLOT FACTOR:XX
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0 100 200
SCALE IN FEET

LEGEND

- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- PROPOSED LIMIT OF WASTE
- LIMITS OF DISTURBANCE
- OVERHEAD LINE
- PROPOSED PERIMETER ROAD
- STORM WATER RUN-OFF FLOW DIRECTION
- TEMPORARY TAG ON TERRACES
- FILL PROGRESSION
- CELL SEPARATION BERMS
- PROPOSED RAIN FLAP
- EXISTING STREAM
- TRANSMISSION TOWER

NOTES:

1. OPERATIONAL RAINFLAPS OR SUB-CELL DIVISION BERMS SHOULD BE USED TO LIMIT THE SIZE OF THE ACTIVE AREA TO APPROXIMATELY 10 ACRES. RAINFLAP LOCATIONS ARE APPROXIMATE AND CAN BE MODIFIED BASED ON OPERATIONAL CONDITIONS.
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4. PROPOSED GRADING SHOWN REPRESENTS TOP OF ASH/WASTE AND TOP OF COMPACTED CLAY LINER, SEE SHEET 6.

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SCALE: 1" = 100' EXCEPT AS NOTED

CELL 3 DEVELOPMENT PLAN

CLASS II DISPOSAL FACILITY PERMIT DRAWINGS

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SSK	SSK	NSG	TAK	RBC	MST	JCK

BULL RUN FOSSIL PLANT
TENNESSEE VALLEY AUTHORITY
FOSSIL AND HYDRO ENGINEERING

AUTOCAD	2013	DATE 10/07/15	49	C	10W392-12	R A

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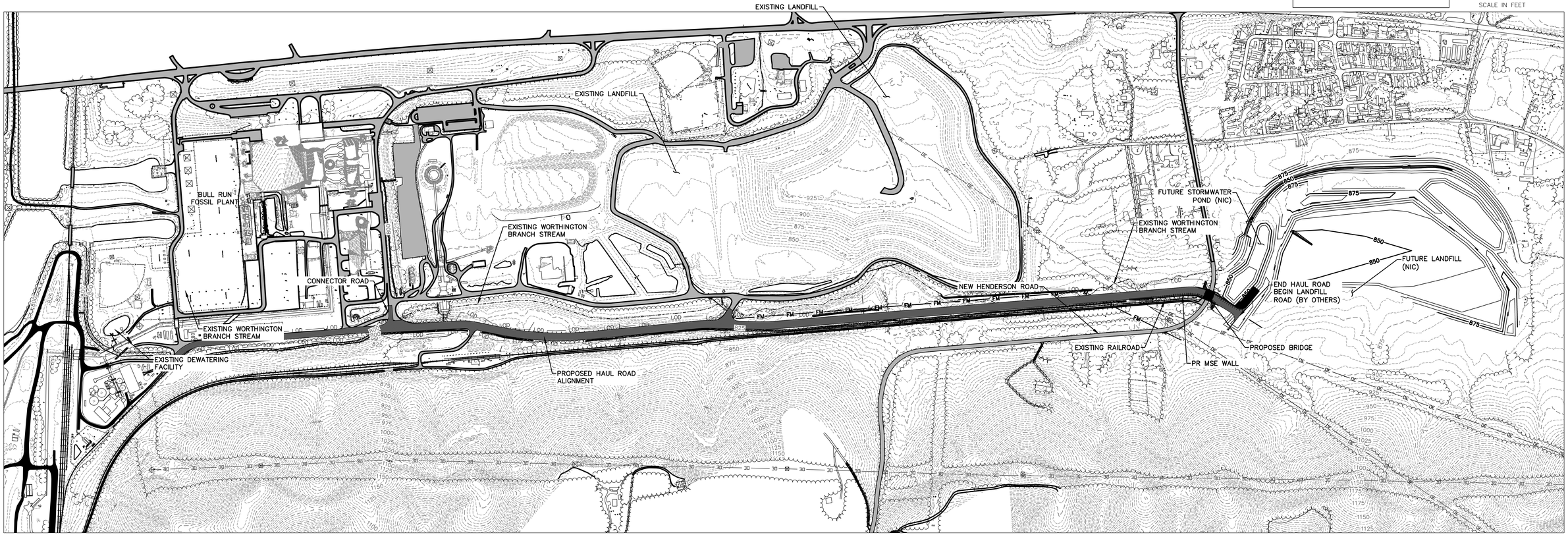
500	FUTURE MAJOR CONTOURS (25')
	FUTURE MINOR CONTOURS (1')
500	EXISTING MAJOR CONTOURS (25')
	EXISTING MINOR CONTOURS (1')
NIC	NOT IN CONTRACT
FM	FORCEMAIN
	EXISTING ROAD
	PROPOSED HAUL ROAD
	RAILROAD TRACKS
	TREELINE
	STREAMS
OE	OVERHEAD ELECTRIC
	EX. TRANSMISSION TOWERS

0 250 500
SCALE IN FEET



FOR SUPPORTING DESIGN CALCULATIONS SEE

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DISCIPLINE INTERFACE

SCALE: 1" = 250' EXCEPT AS NOTED

PROPOSED SITE PLAN

CCP HAUL ROAD

DESIGNED BY:	DRAWN BY:	CHECKED BY:	SUPERVISED BY:	REVIEWED BY:	APPROVED BY:	ISSUED BY:
AMD	MJT	MAW				

BULL RUN FOSSIL PLANT
TENNESSEE VALLEY AUTHORITY
FOSSIL AND HYDRO ENGINEERING

AUTOCAD 2015 | DATE 12/17/15 | ## | 10WXXX-104 | R

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PLOT FACTOR: W_TVA

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