

Nancy Koon (adpce.ad)

From: Nancy Koon (adpce.ad) on behalf of Water Permit Application
Sent: Thursday, December 22, 2022 11:49 AM
To: Tanya Ester (adpce.ad); Deena Thuston (adpce.ad)
Subject: FW: Request for Clarification on Stormwater Outfall Coverage - Eco-Vista Landfill
Attachments: EcoVista_StormwaterBasins_PermitCoverage.pdf

From: Brad Fureigh [<mailto:bfureigh@promusengineering.com>]
Sent: Thursday, December 22, 2022 10:02 AM
To: Water Permit Application
Cc: Bryan Leamons (adpce.ad); Reynolds, Jodi; David Conrad; Blake Small
Subject: Request for Clarification on Stormwater Outfall Coverage - Eco-Vista Landfill

Please see attached request for clarification regarding permit coverage and construction related requirements for Outfalls at the Eco-Vista Landfill. If there are any questions or if additional information is needed, feel free to contact me at your convenience.

Thanks!

Brad N. Fureigh, PE
Principal Engineer | Promus Engineering, LLC
M: (501) 554-4547
bfureigh@promusengineering.com
www.promusengineering.com

December 22, 2022

Mr. Bryan Leamons, PE
5301 Northshore Drive
North Little Rock, AR 72118-5317
via Email: bryan.leamons@adeq.state.ar.us

**RE: Request for Clarification – Stormwater Basin Coverage
Eco-Vista Landfill, Springdale, AR
AFIN: 72-00144; Permit: ARG160045**

Dear Mr. Leamons:

On behalf of our client, Eco-Vista, LLC (Facility), Promus Engineering, LLC is submitting this request for clarification regarding permit coverage for two existing stormwater basins and one proposed stormwater basin at the Eco-Vista Landfill.

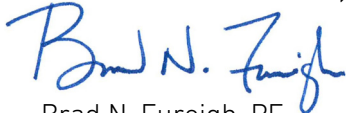
Background

In July 2021, a major permit modification application was prepared and submitted by FTN Associates LTD for the Eco-Vista Class 1 Landfill, which included upgrades to two existing stormwater basins and the design for one new stormwater basin. The two existing stormwater basins, associated with current Outfalls 001A and 003A, were intended to be upgraded to meet the requirements of Ten State Standards, as stated in Part I, Section 1.4.5 of permit ARG160045. The upgraded designs included, at a minimum but were not limited to, perimeter access, compacted clay liner system, minimum separation requirements, freeboard, and new discharge outlet structures. The new stormwater basin was proposed to be located in the northwest corner of the property.

The Facility respectfully requests clarification regarding permit coverage requirements for the two existing permitted Outfalls 001A and 003A, as well as requirements for the proposed northwest stormwater basin. Attached to this request is a copy of the stormwater basin design drawings and details obtained from DEQ Doc. ID 80454.

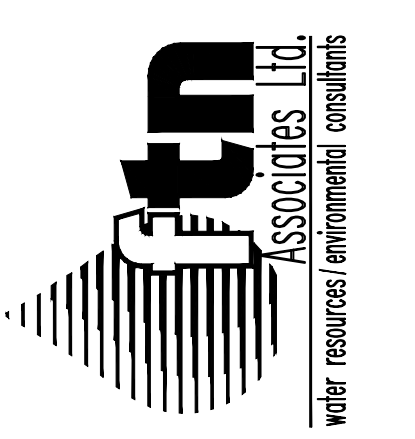
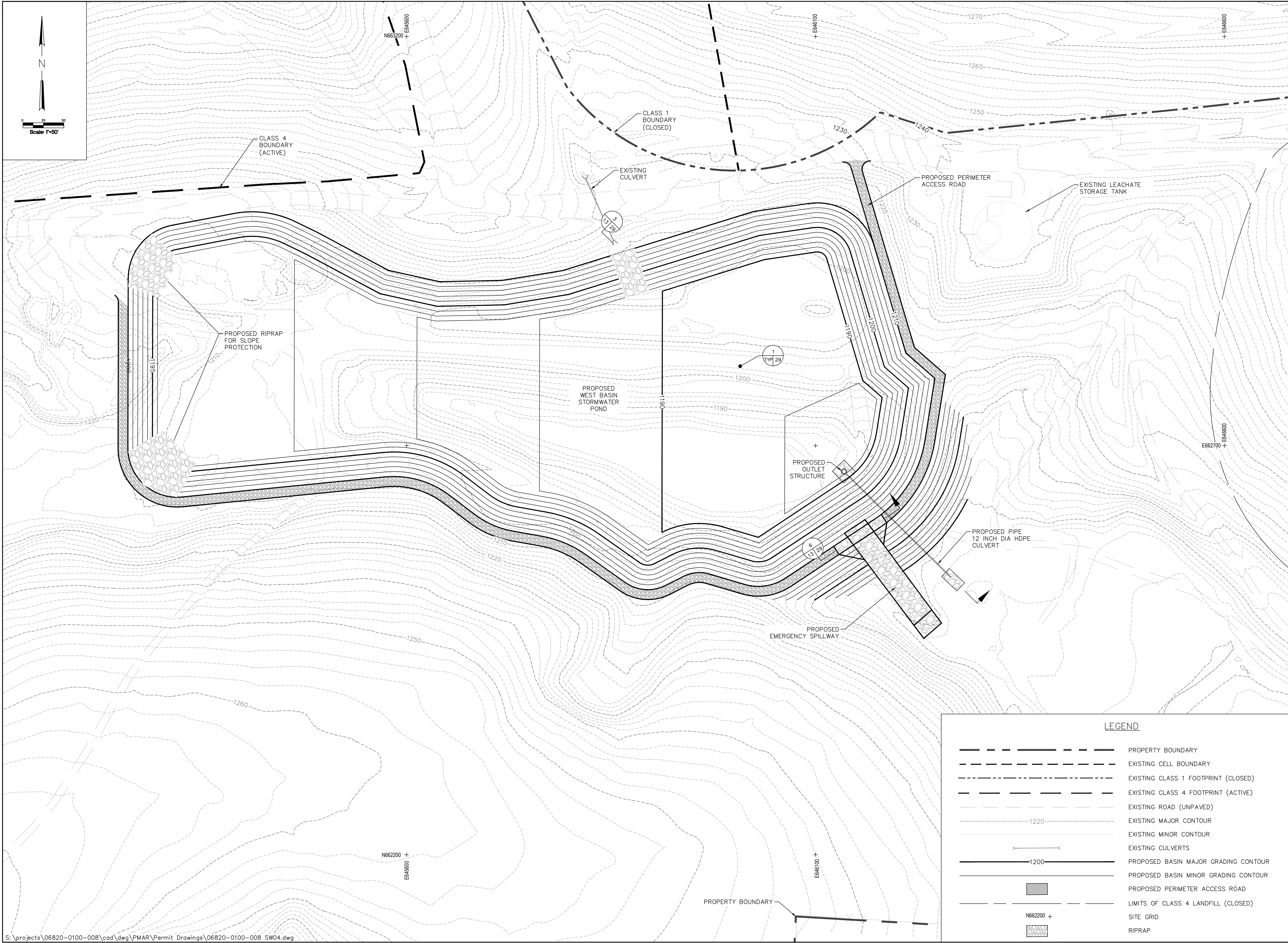
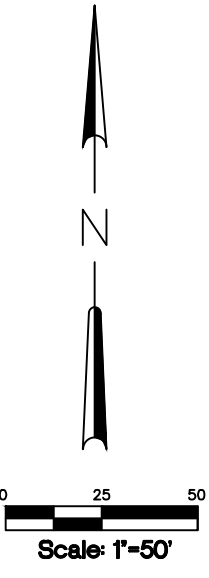
Should you have any questions regarding this request, please contact me via phone at (501) 554-4547 or email at bfureigh@promusengineering.com.

Sincerely,
PROMUS ENGINEERING, LLC



Brad N. Fureigh, PE
Principal Engineer

*Distribution: Mr. Blake Small, WM District Manager
Ms. Jodi Reynolds, WM Environmental Protection Manager – Mid South Area
Mr. David Conrad, WM Engineer – Mid South Area*



July 6, 2021

**PERMIT MODIFICATION APPLICATION
ECO-VISTA CLASS 1 LANDFILL**

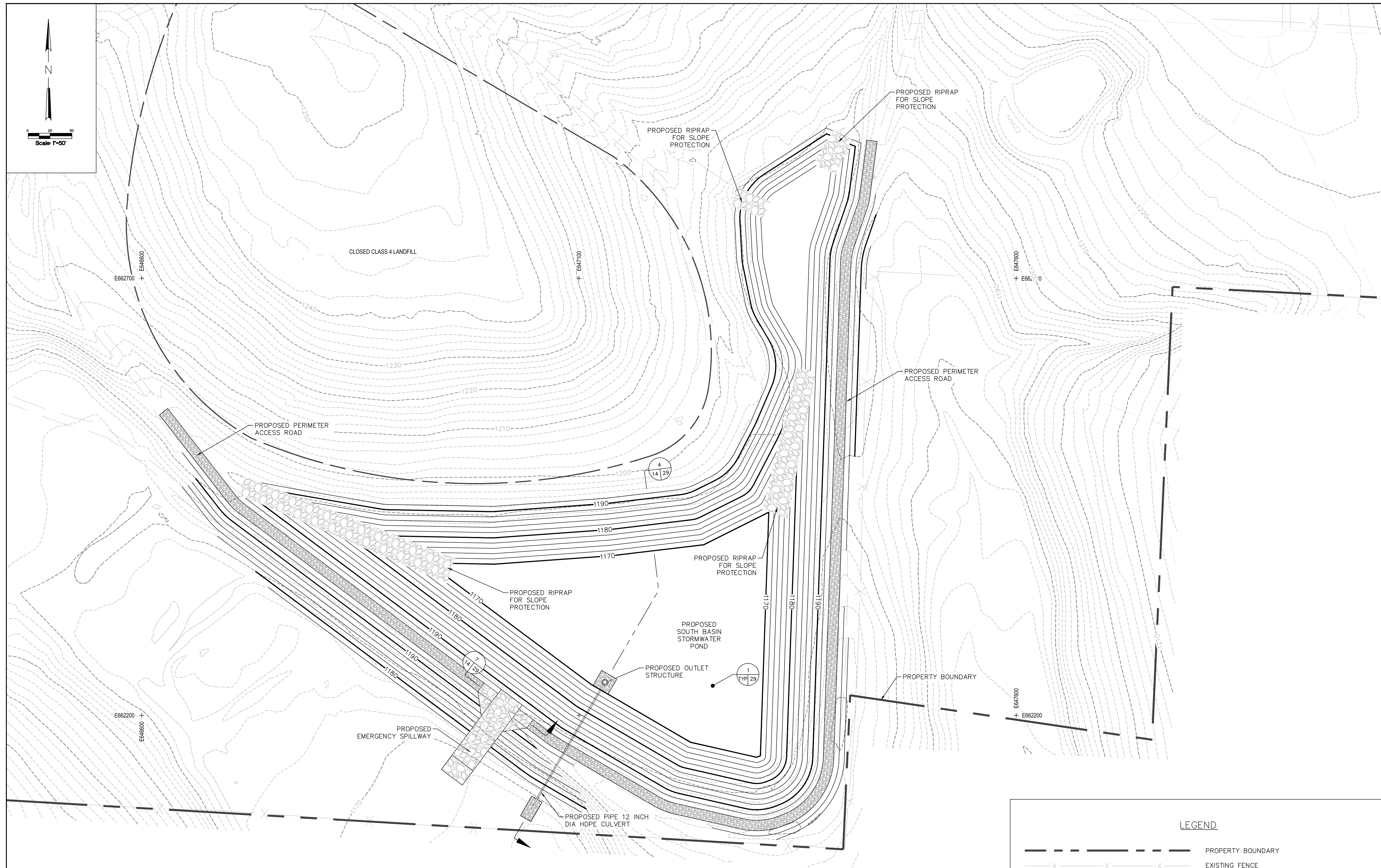
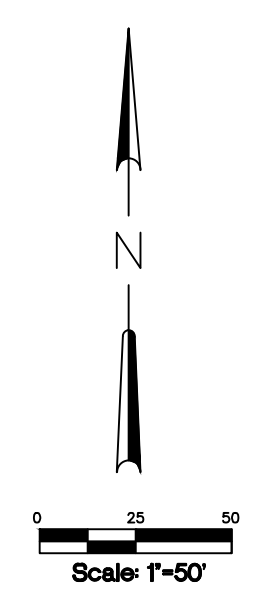


TONTITOWN, ARKANSAS

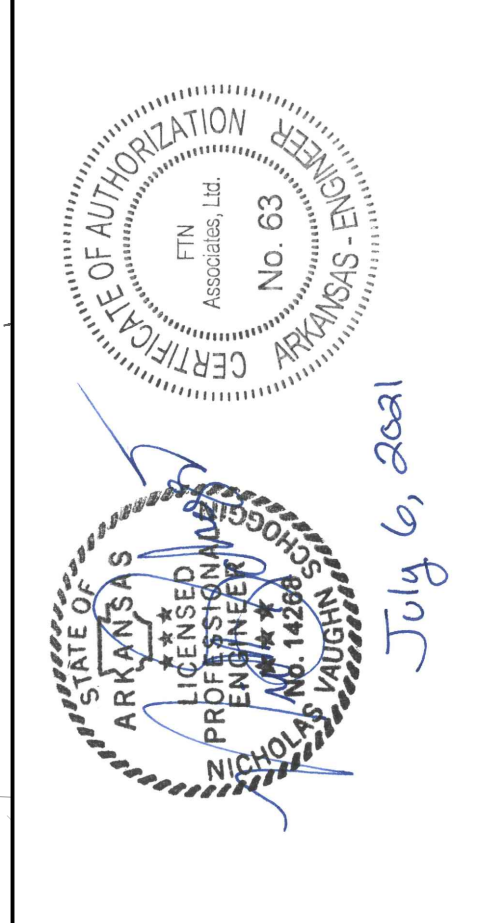
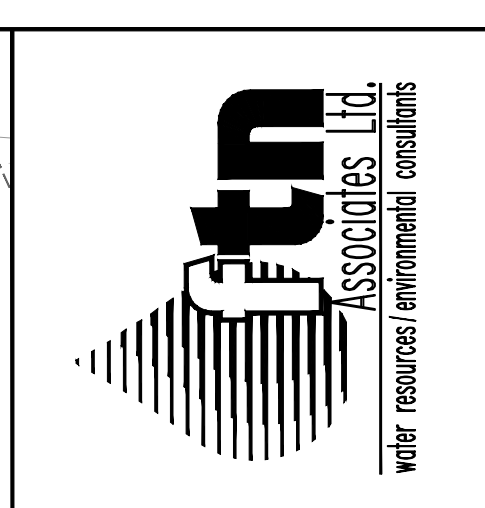
WEST BASIN GRADING PLAN

LEGEND	
	PROPERTY BOUNDARY
	EXISTING CELL BOUNDARY
	EXISTING CLASS 1 FOOTPRINT (CLOSED)
	EXISTING CLASS 4 FOOTPRINT (ACTIVE)
	EXISTING ROAD (UNPAVED)
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING CULVERTS
	PROPOSED BASIN MAJOR GRADING CONTOUR
	PROPOSED BASIN MINOR GRADING CONTOUR
	PROPOSED PERIMETER ACCESS ROAD
	LIMITS OF CLASS 4 LANDFILL (CLOSED)
	SITE GRID
	RIPRAP

DRAWN BY: JM	FILE NAME: SW04.DWG
APPROVED: NVS	PROJECT NO. 06820-0100-008
SCALE: 1" = 50'	DATE: 07-06-2021
SHEET NO. 13	OF 30



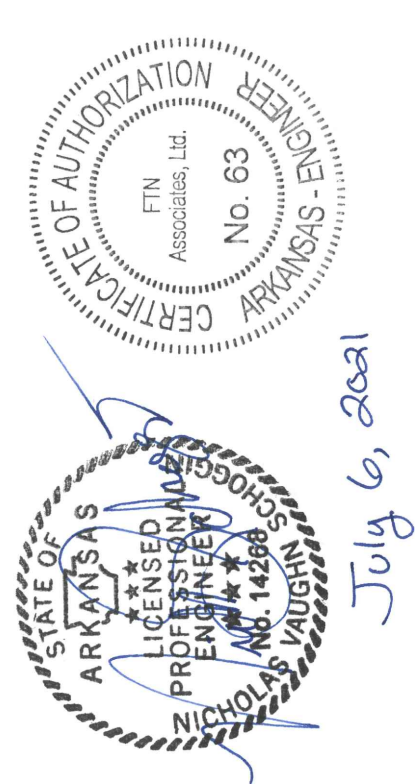
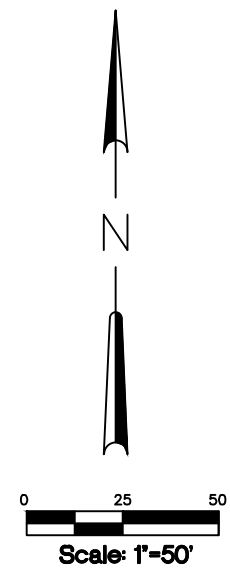
LEGEND	
	PROPERTY BOUNDARY
	EXISTING FENCE
	EXISTING ROAD (UNPAVED)
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED BASIN MAJOR GRADING CONTOUR
	PROPOSED BASIN MINOR GRADING CONTOUR
	PROPOSED PERIMETER ACCESS ROAD
	LIMITS OF CLASS 4 LANDFILL (CLOSED)
	SITE GRID
	RIPRAP



PERMIT MODIFICATION APPLICATION
ECO-VISTA CLASS 1 LANDFILL
WWM
TONTITOWN, ARKANSAS

SOUTH BASIN GRADING PLAN

DRAWN BY: JM	FILE NAME: SW05.DWG
APPROVED: NVS	PROJECT NO. 06820-0100-008
SCALE: 1" = 50'	DATE: 07-06-2021
SHEET NO. 14	OF 30



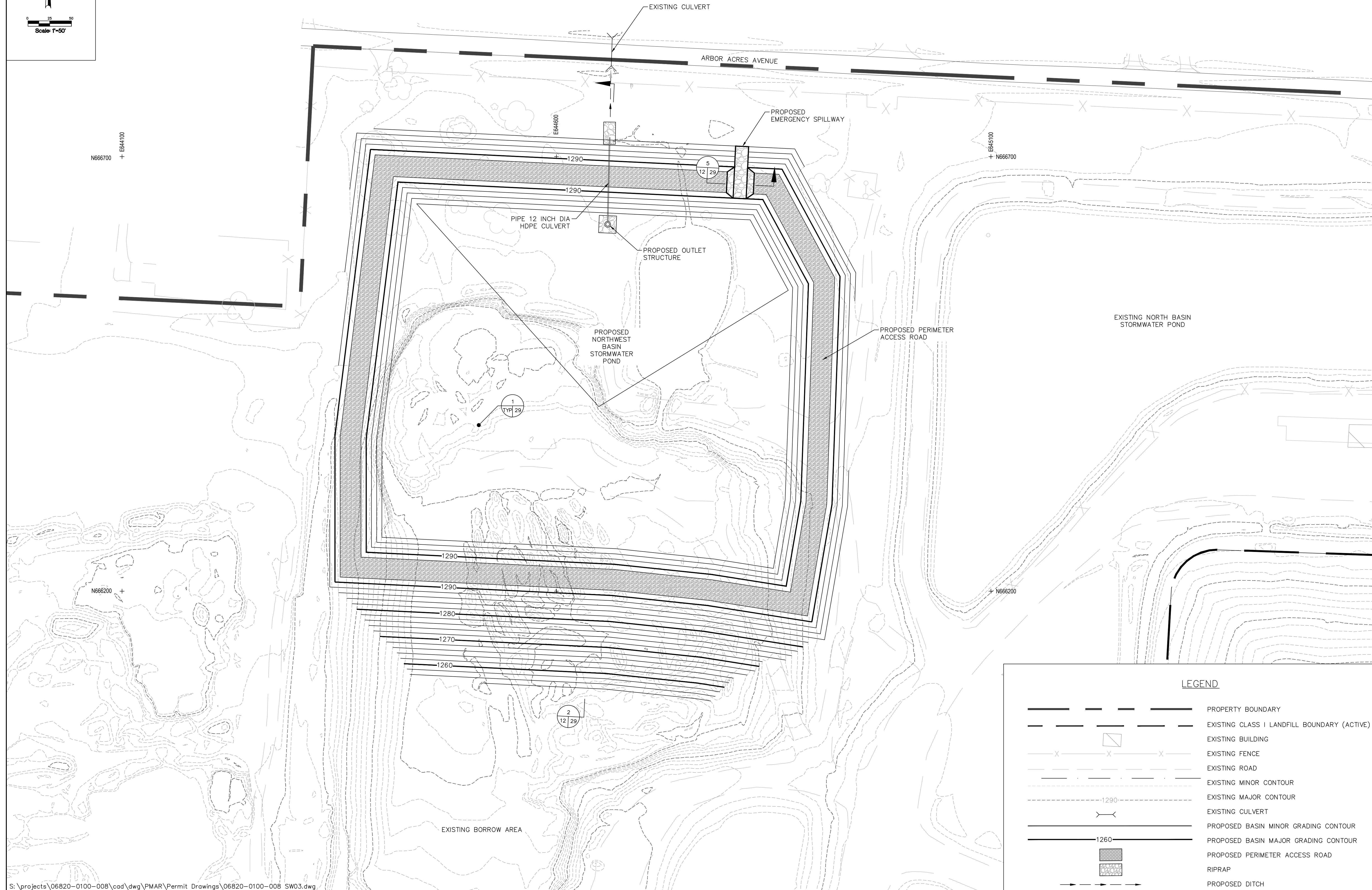
**PERMIT MODIFICATION APPLICATION
ECO-VISTA CLASS 1 LANDFILL**



TONTITOWN, ARKANSAS

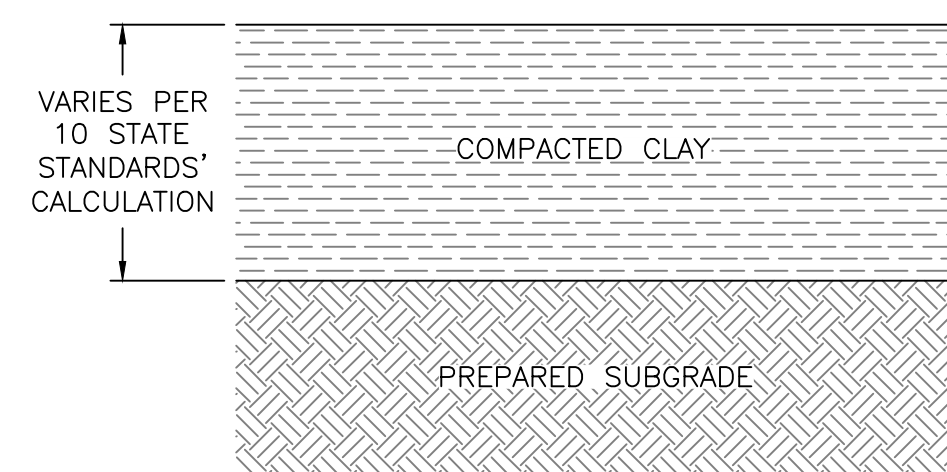
NORTHWEST BASIN GRADING PLAN

DRAWN BY: JM	FILE NAME: SW03.DWG
APPROVED: NVS	PROJECT NO. 06820-0100-008
SCALE: 1" = 50'	DATE: 07-06-2021
SHEET NO. 12	OF 30



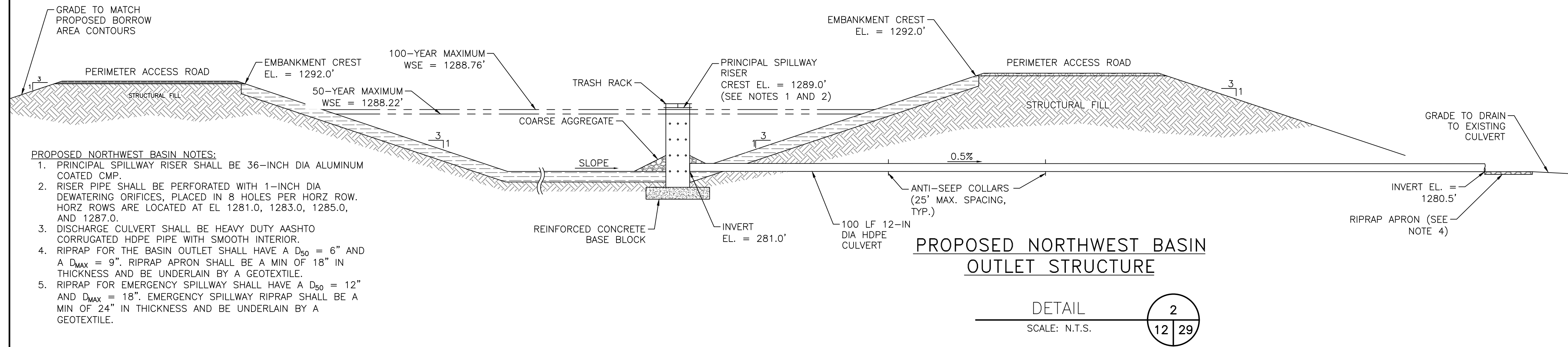
LEGEND

	PROPERTY BOUNDARY
	EXISTING CLASS 1 LANDFILL BOUNDARY (ACTIVE)
	EXISTING BUILDING
	EXISTING FENCE
	EXISTING ROAD
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING CULVERT
	PROPOSED BASIN MINOR GRADING CONTOUR
	PROPOSED BASIN MAJOR GRADING CONTOUR
	PROPOSED PERIMETER ACCESS ROAD
	RIPRAP
	PROPOSED DITCH



STORMWATER BASIN BOTTOM LINER

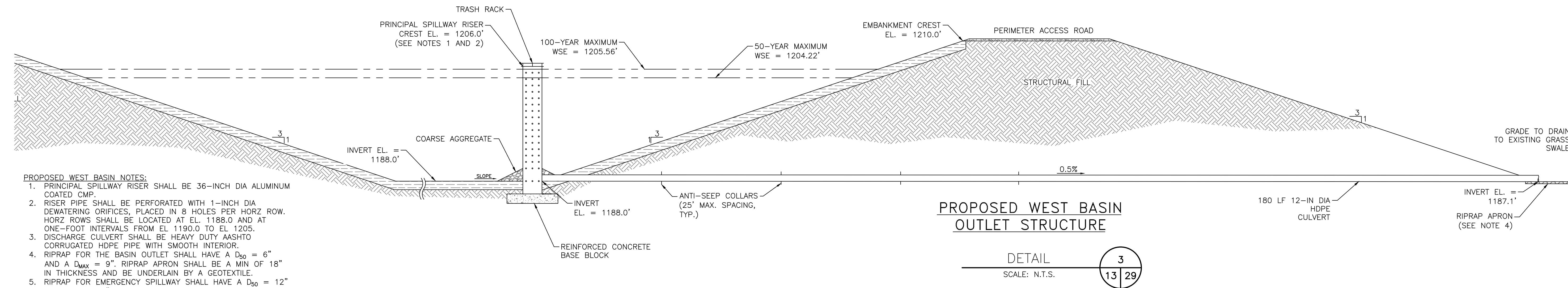
DETAIL
SCALE: 1"=1'-0"
1
TYP 29



PROPOSED NORTHWEST BASIN OUTLET STRUCTURE

DETAIL
SCALE: N.T.S.
2
12 29

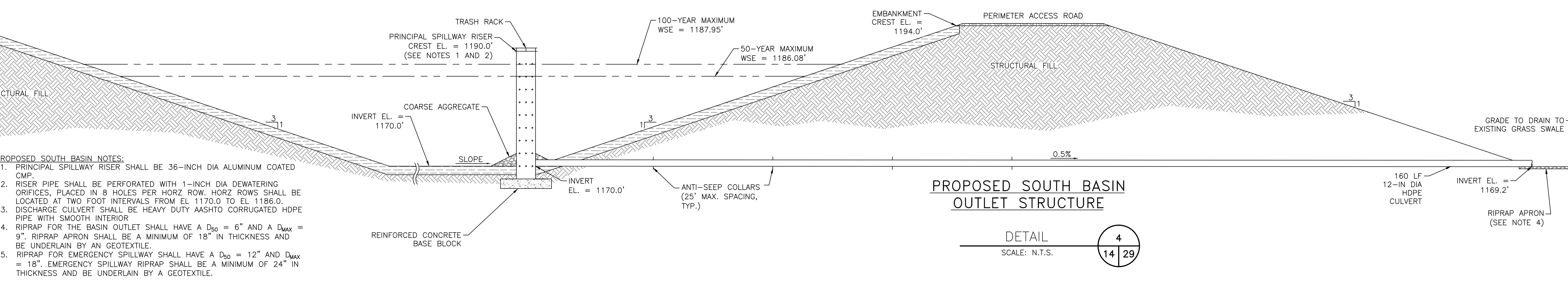
- PROPOSED NORTHWEST BASIN NOTES:**
1. PRINCIPAL SPILLWAY RISER SHALL BE 36-INCH DIA ALUMINUM COATED CMP.
 2. RISER PIPE SHALL BE PERFORATED WITH 1-INCH DIA DEWATERING ORIFICES, PLACED IN 8 HOLES PER HORZ ROW. HORZ ROWS ARE LOCATED AT EL 1281.0, 1283.0, 1285.0, AND 1287.0.
 3. DISCHARGE CULVERT SHALL BE HEAVY DUTY AASHTO CORRUGATED HDPE PIPE WITH SMOOTH INTERIOR.
 4. RIPRAP FOR THE BASIN OUTLET SHALL HAVE A $D_{50} = 6"$ AND A $D_{max} = 9"$. RIPRAP APRON SHALL BE A MIN OF 18" IN THICKNESS AND BE UNDERLAIN BY A GEOTEXTILE.
 5. RIPRAP FOR EMERGENCY SPILLWAY SHALL HAVE A $D_{50} = 12"$ AND $D_{max} = 18"$. EMERGENCY SPILLWAY RIPRAP SHALL BE A MIN OF 24" IN THICKNESS AND BE UNDERLAIN BY A GEOTEXTILE.



PROPOSED WEST BASIN OUTLET STRUCTURE

DETAIL
SCALE: N.T.S.
3
13 29

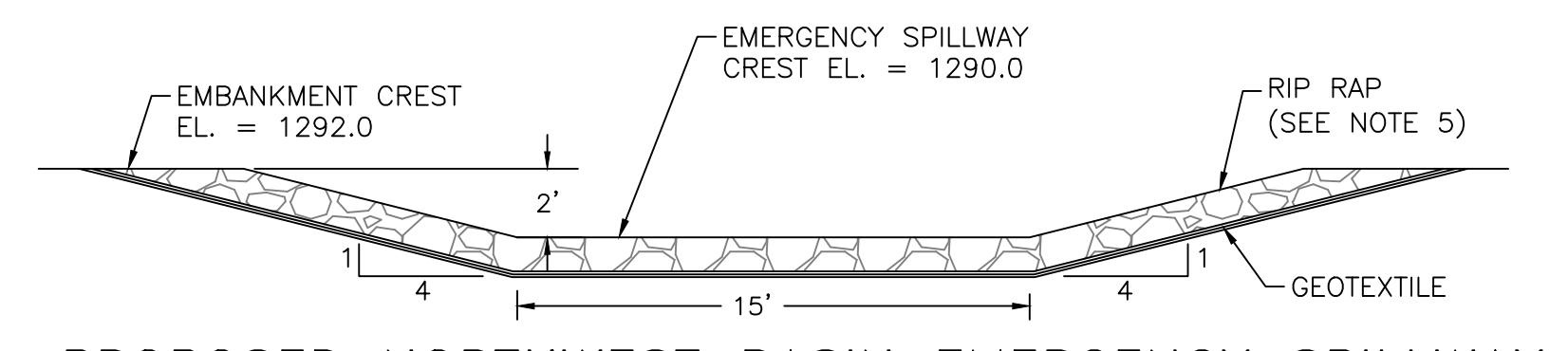
- PROPOSED WEST BASIN NOTES:**
1. PRINCIPAL SPILLWAY RISER SHALL BE 36-INCH DIA ALUMINUM COATED CMP.
 2. RISER PIPE SHALL BE PERFORATED WITH 1-INCH DIA DEWATERING ORIFICES, PLACED IN 8 HOLES PER HORZ ROW. HORZ ROWS SHALL BE LOCATED AT EL. 1188.0 AND AT ONE-FOOT INTERVALS FROM EL 1190.0 TO EL 1205.0.
 3. DISCHARGE CULVERT SHALL BE HEAVY DUTY AASHTO CORRUGATED HDPE PIPE WITH SMOOTH INTERIOR.
 4. RIPRAP FOR THE BASIN OUTLET SHALL HAVE A $D_{50} = 6"$ AND A $D_{max} = 9"$. RIPRAP APRON SHALL BE A MIN OF 18" IN THICKNESS AND BE UNDERLAIN BY A GEOTEXTILE.
 5. RIPRAP FOR EMERGENCY SPILLWAY SHALL HAVE A $D_{50} = 12"$ AND $D_{max} = 18"$. EMERGENCY SPILLWAY RIPRAP SHALL BE A MIN OF 24" IN THICKNESS AND BE UNDERLAIN BY A GEOTEXTILE.



PROPOSED SOUTH BASIN OUTLET STRUCTURE

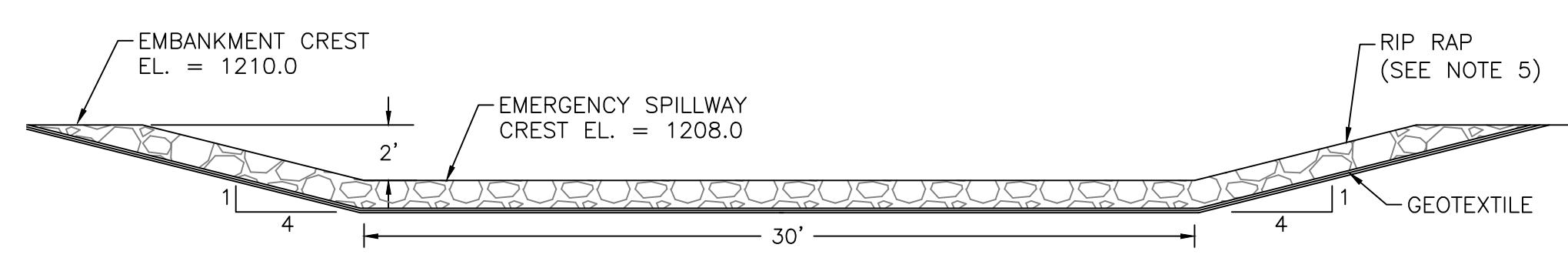
DETAIL
SCALE: N.T.S.
4
14 29

- PROPOSED SOUTH BASIN NOTES:**
1. PRINCIPAL SPILLWAY RISER SHALL BE 36-INCH DIA ALUMINUM COATED CMP.
 2. RISER PIPE SHALL BE PERFORATED WITH 1-INCH DIA DEWATERING ORIFICES, PLACED IN 8 HOLES PER HORZ ROW. HORZ ROWS SHALL BE LOCATED AT TWO FOOT INTERVALS FROM EL 1170.0 TO EL 1186.0.
 3. DISCHARGE CULVERT SHALL BE HEAVY DUTY AASHTO CORRUGATED HDPE PIPE WITH SMOOTH INTERIOR.
 4. RIPRAP FOR THE BASIN OUTLET SHALL HAVE A $D_{50} = 6"$ AND A $D_{max} = 9"$. RIPRAP APRON SHALL BE A MINIMUM OF 18" IN THICKNESS AND BE UNDERLAIN BY A GEOTEXTILE.
 5. RIPRAP FOR EMERGENCY SPILLWAY SHALL HAVE A $D_{50} = 12"$ AND $D_{max} = 18"$. EMERGENCY SPILLWAY RIPRAP SHALL BE A MINIMUM OF 24" IN THICKNESS AND BE UNDERLAIN BY A GEOTEXTILE.



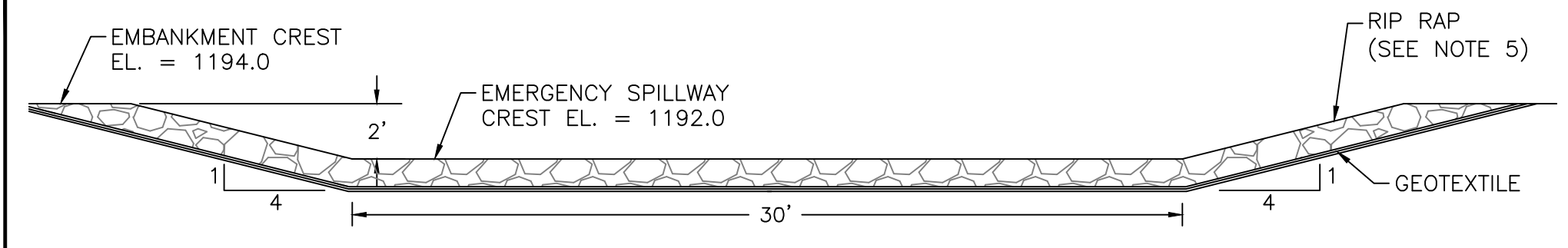
PROPOSED NORTHWEST BASIN EMERGENCY SPILLWAY

DETAIL 5
SCALE: 3/16"=1'-0"
5
12 29



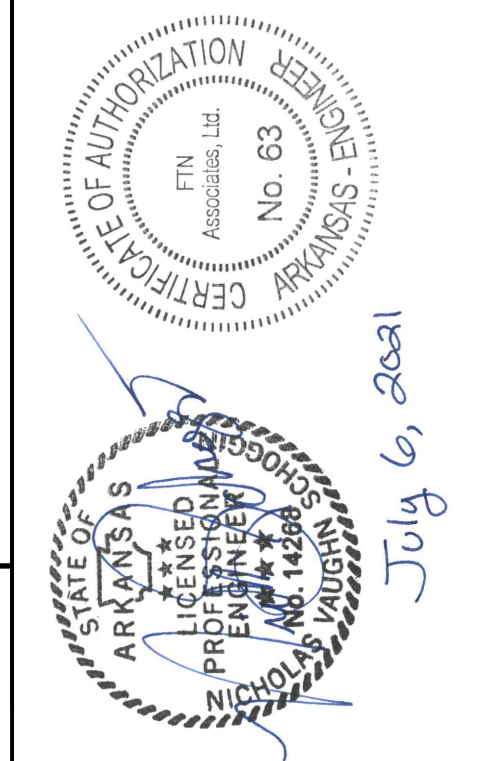
PROPOSED WEST BASIN EMERGENCY SPILLWAY

DETAIL
SCALE: 3/16"=1'-0"
6
13 29



PROPOSED SOUTH BASIN EMERGENCY SPILLWAY

DETAIL
SCALE: 3/16"=1'-0"
7
14 29



PERMIT MODIFICATION APPLICATION
ECO-VISTA CLASS 1 LANDFILL
TONTITOWN, ARKANSAS

STORMWATER BASIN DETAILS

DRAWN BY: JM	FILE NAME: DD07.DWG
APPROVED: NVS	PROJECT NO. 06820-0100-008
SCALE: AS SHOWN	DATE: 07-06-2021
SHEET NO. 29	OF 30