

APPENDIX H: LANDFILL EXPANSION DESIGN DRAWINGS

PICKLES BUTTE LANDFILL
CANYON COUNTY, ID
PHASE 5 EXPANSION

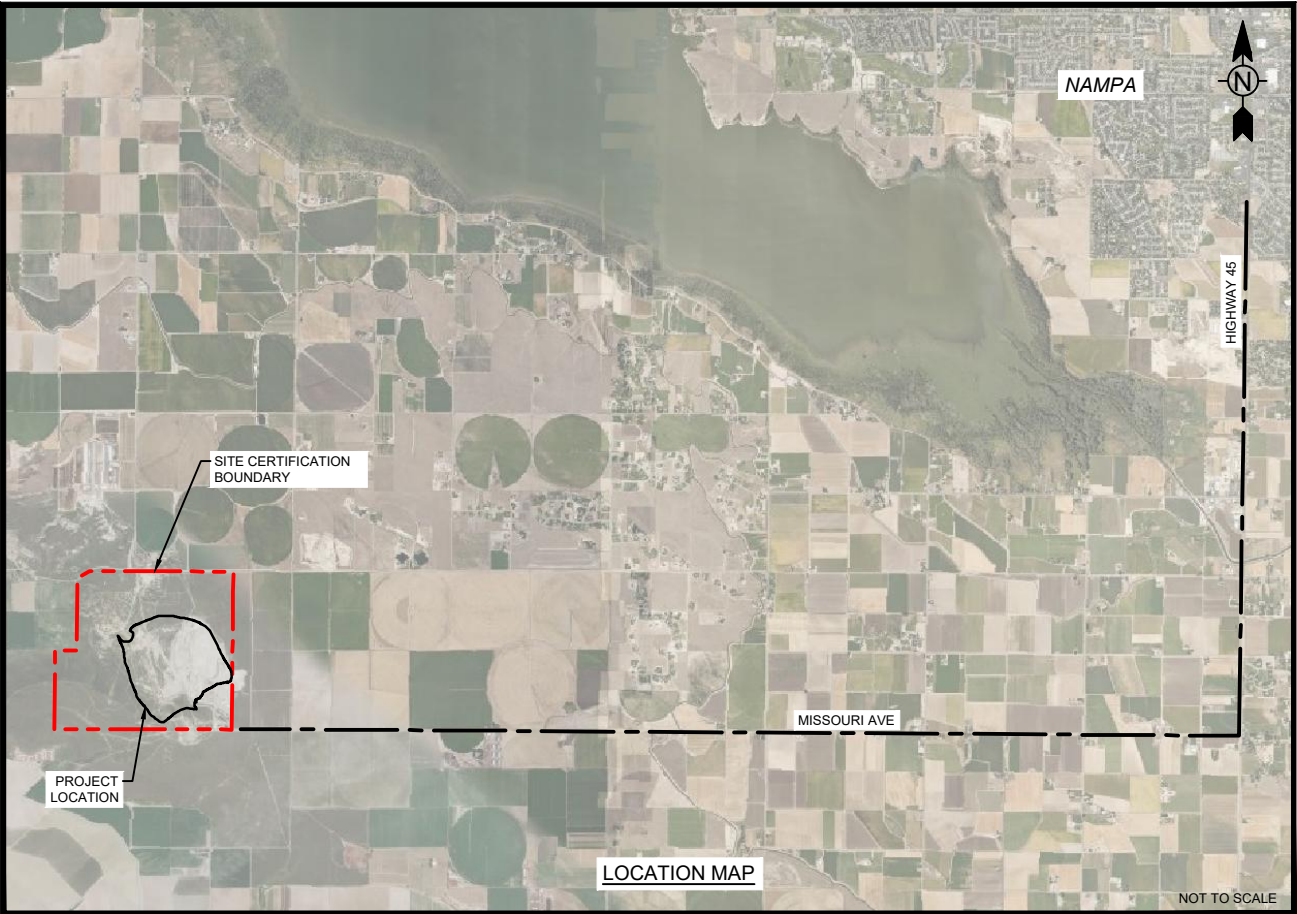
3380 AMERICANA TERRACE, SUITE 201
BOISE, IDAHO 83706
PHONE: 208-389-1030

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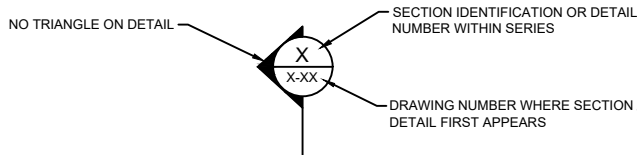
SHEET INDEX

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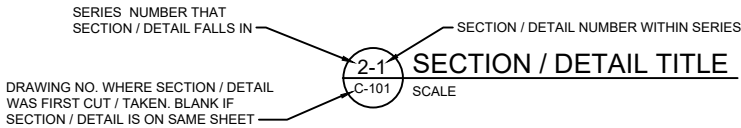


SURVEY DATUM INFORMATION PER IDAHO SURVEY GROUP
MAPPING DATED OCTOBER 4, 2023
LOCATION: SECTION 21, T2N, R3W, CANYON COUNTY, IDAHO
BASIS OF BEARING: IDAHO STATE PLANE - WEST
VERTICAL DATUM: NAVD 88
UNIT OF MEASURE: U.S. SURVEY FOOT

SECTION AND DETAIL DESIGNATION



SECTION CUT / DETAIL CALLOUT SYMBOL



TITLE FOR SECTION CUT / DETAIL

ABBREVIATIONS

#	NUMBER	HDPE	HIGH-DENSITY POLYETHYLENE
&	AND	MAX.	MAXIMUM
Ø	DIAMETER	MIN.	MINIMUM
%	PERCENT	NOM.	NOMINAL
CF	CUBIC FEET	NTS	NOT TO SCALE
CY	CUBIC YARD	PBL	PICKLES BUTTE LANDFILL
CMP	CORRUGATED METAL PIPE	QTY	QUANTITY
DIA	DIAMETER	STA	STATION
DWG	DRAWING	SF	SQUARE FEET
EG	EXISTING GROUND	SY	SQUARE YARD
ELEV	ELEVATION	TYP	TYPICAL
FG	FINISH GRADE		
LF	LINEAR FEET		
LFG	LANDFILL GAS		



PROJECT LOCATION:

INTERSECTION OF MISSOURI AVENUE
AND PERCH ROAD

CLIENT INFORMATION:

PICKLES BUTTE LANDFILL
15500 MISSOURI AVENUE
NAMPA, ID 83686

Tt PROJECT No.:

114-571040-2024

CLIENT PROJECT No.:

NONE

PROJECT DESCRIPTION / NOTES:

PHASE 5 EXPANSION DESIGN

ISSUED:

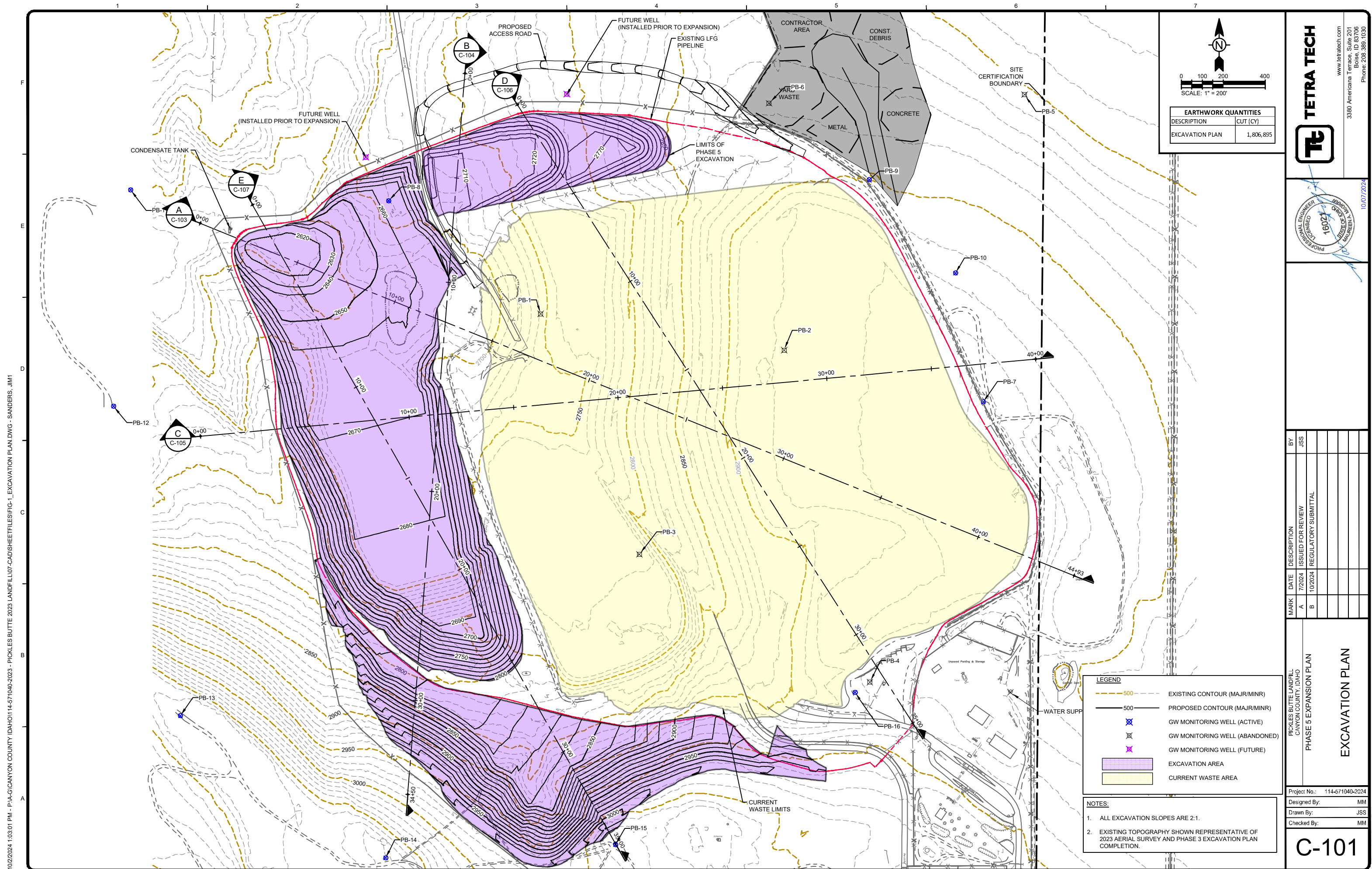
7/2024 ISSUED FOR REVIEW
10/2024 REGULATORY SUBMITTAL

VICINITY MAP:



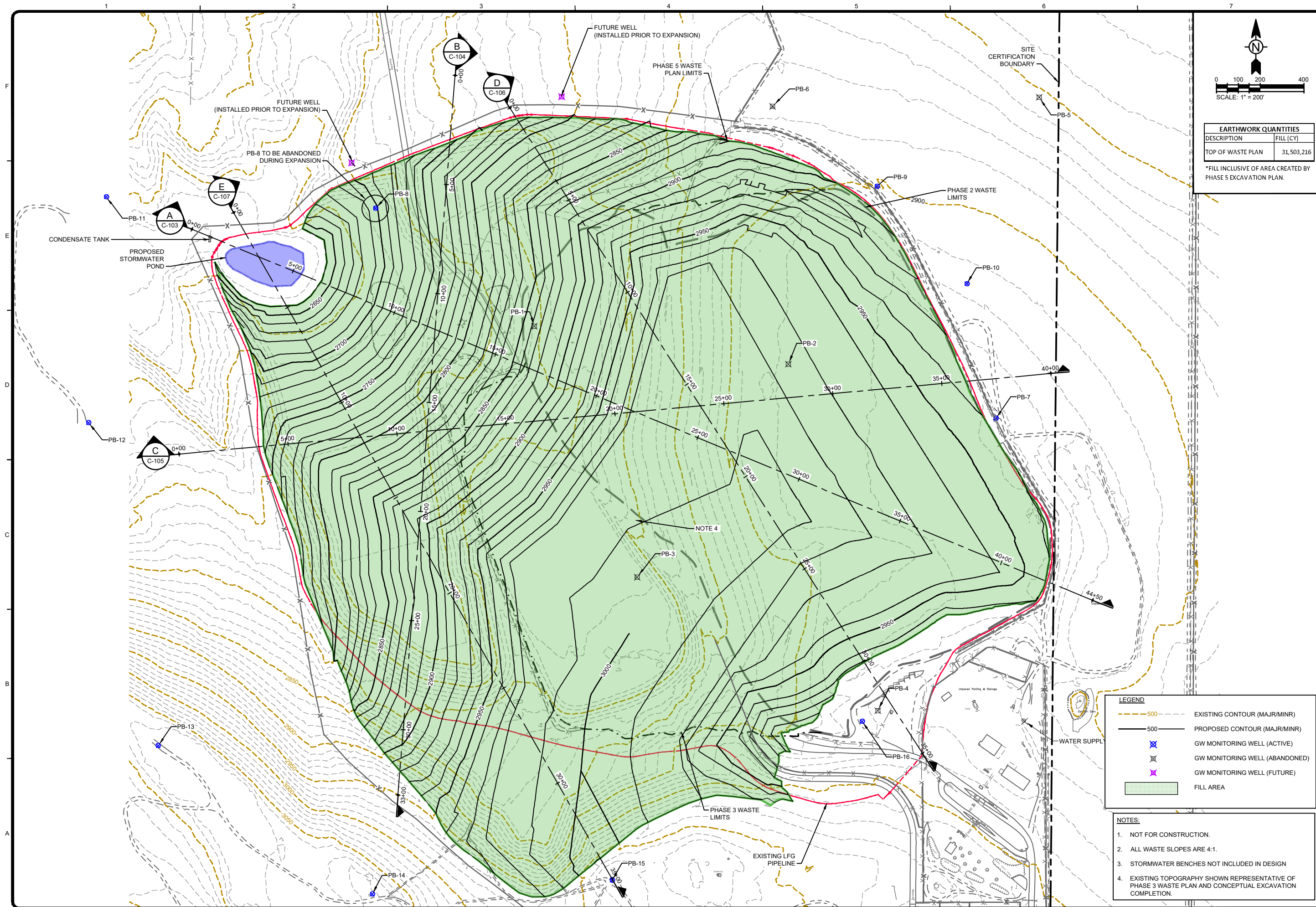
NOT TO SCALE

PHASE 5 EXPANSION



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A	7/2024	ISSUED FOR REVIEW	JSS
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10/2/2024 12:44:24 PM - P:\A-GIACANYON COUNTY IDAHO\114-571040-2023 - PICKLES BUTTE 2023 LANDFILL\07-CAD\SHEETFILES\FIG-2-6_WASTE PLAN & SECTIONS_2023.DWG - SANDERS, JIM1



EARTHWORK QUANTITIES	
DESCRIPTION	FILL (CY)
TOP OF WASTE PLAN	31,503,216

*FILL INCLUSIVE OF AREA CREATED BY PHASE 5 EXCAVATION PLAN.

LEGEND	
500	EXISTING CONTOUR (MAJR/MINR)
500	PROPOSED CONTOUR (MAJR/MINR)
X	GW MONITORING WELL (ACTIVE)
X	GW MONITORING WELL (ABANDONED)
X	GW MONITORING WELL (FUTURE)
	FILL AREA

- NOTES:
- NOT FOR CONSTRUCTION.
 - ALL WASTE SLOPES ARE 4:1.
 - STORMWATER BENCHES NOT INCLUDED IN DESIGN
 - EXISTING TOPOGRAPHY SHOWN REPRESENTATIVE OF PHASE 3 WASTE PLAN AND CONCEPTUAL EXCAVATION COMPLETION.

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PICKLES BUTTE LANDFILL
CANYON COUNTY, IDAHO
PHASE 5 EXPANSION PLAN
TOP OF WASTE
PLAN

Project No.: 114-571040-2024
Designed By: MM
Drawn By: JSS
Checked By: MM

C-102

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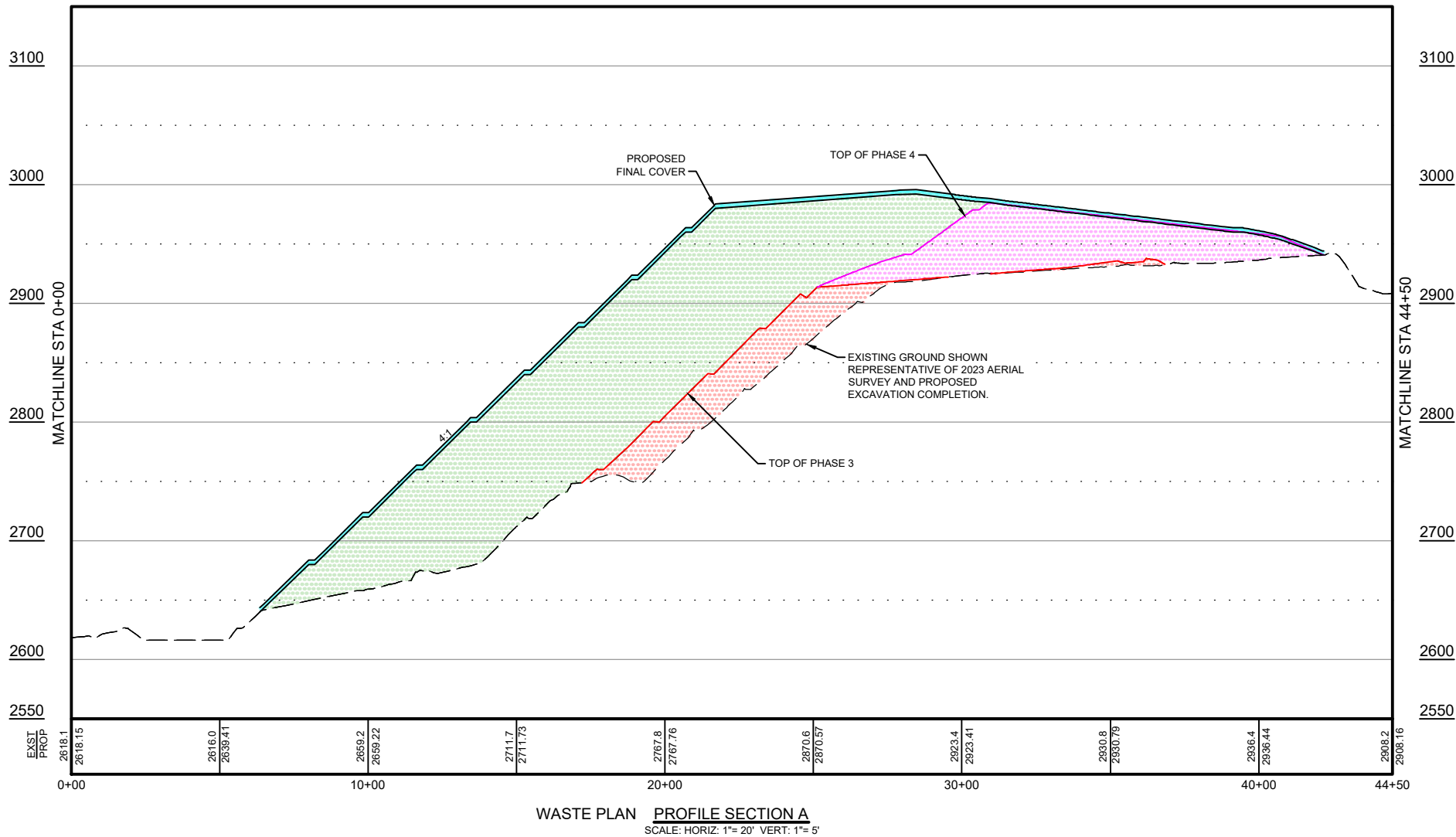
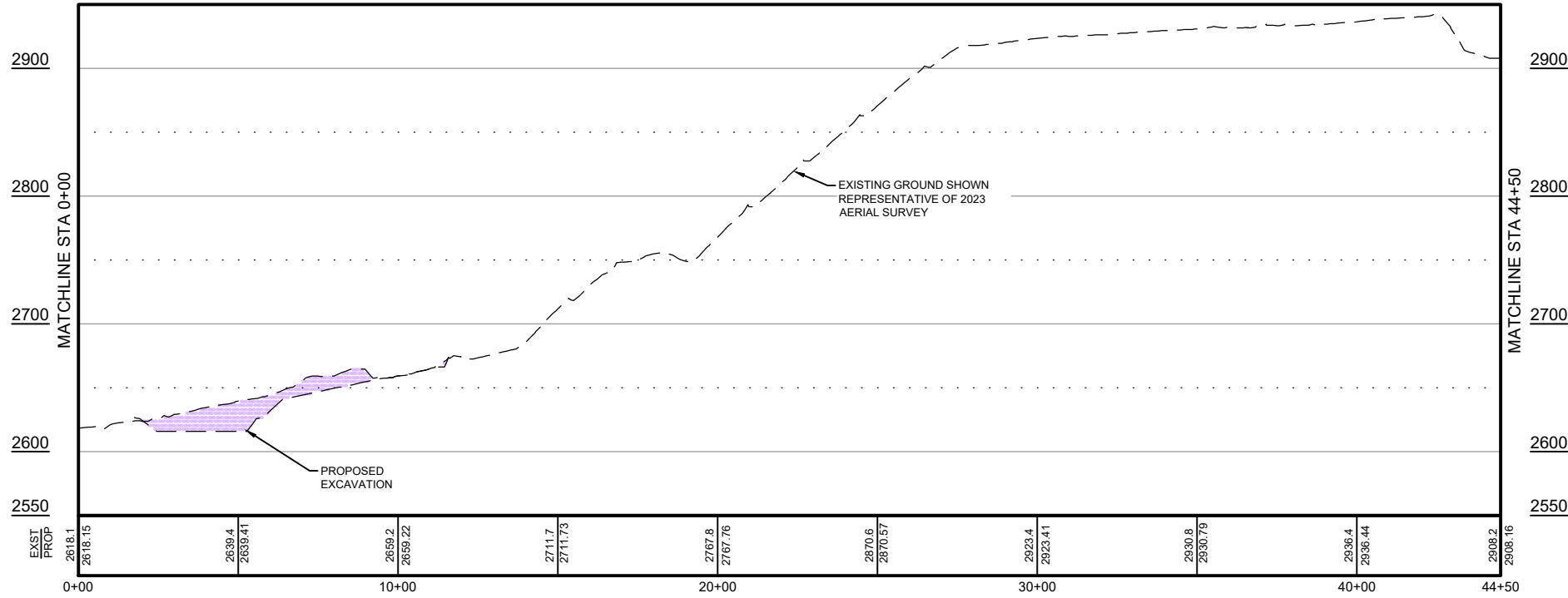
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LICENSED
18021
MAURICE A. MAURICE
STATE OF IDAHO

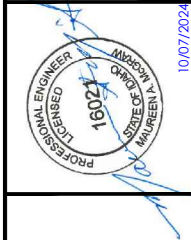
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- NOTES:
1. PROPOSED FINAL COVER THICKNESS IS 42"
 2. ALL EXCAVATION SLOPES ARE 2:1.
 3. ALL WASTE SLOPES ARE 4:1.
 4. STORMWATER BENCHES NOT INCLUDED IN DESIGN



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PICKLES BUTTE LANDFILL
CANYON COUNTY, IDAHO

PHASE 5 EXPANSION PLAN

EXCAVATION & WASTE
SECTION A

Project No.: 114-571040-2024

Designed By: MM

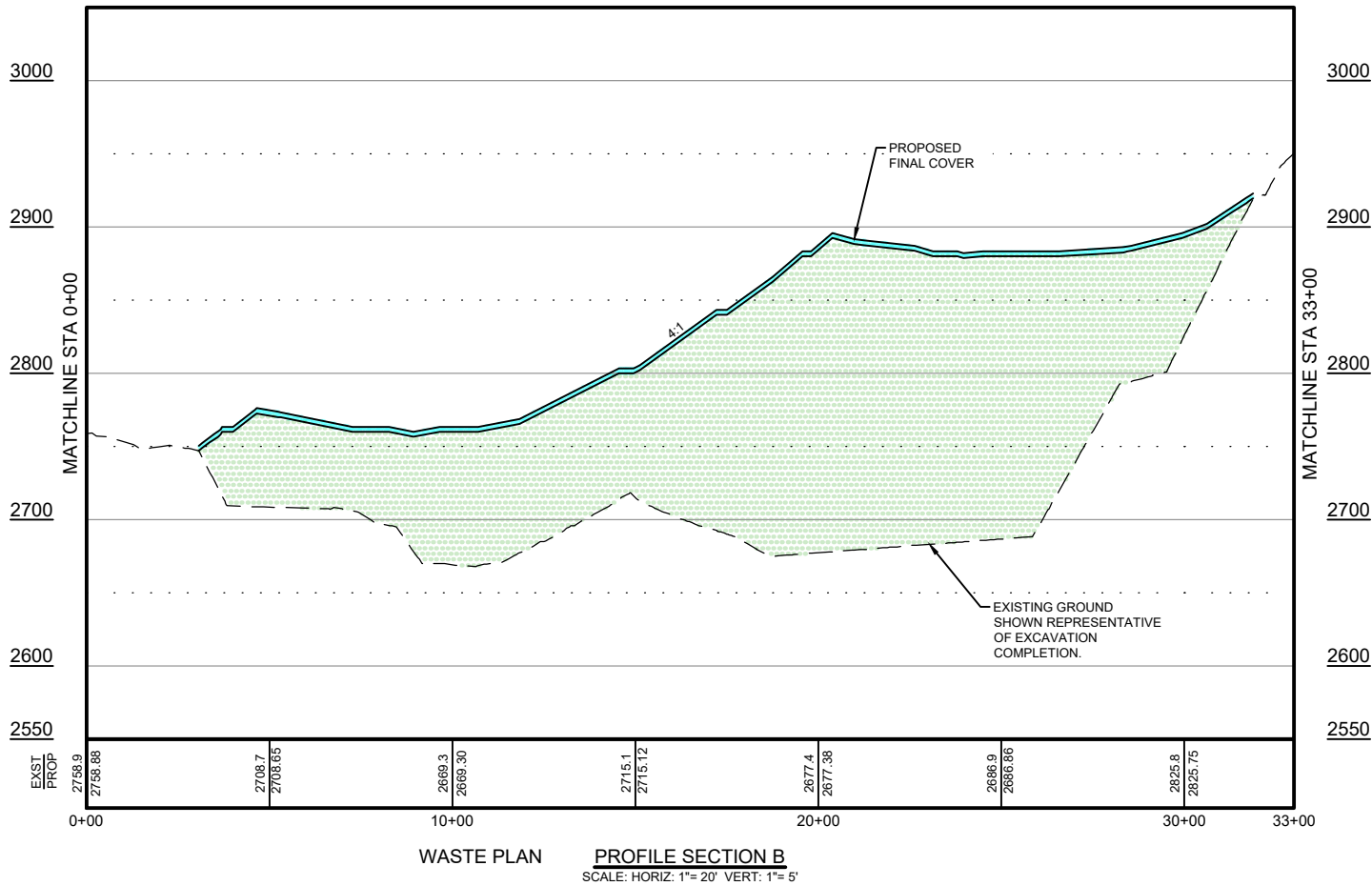
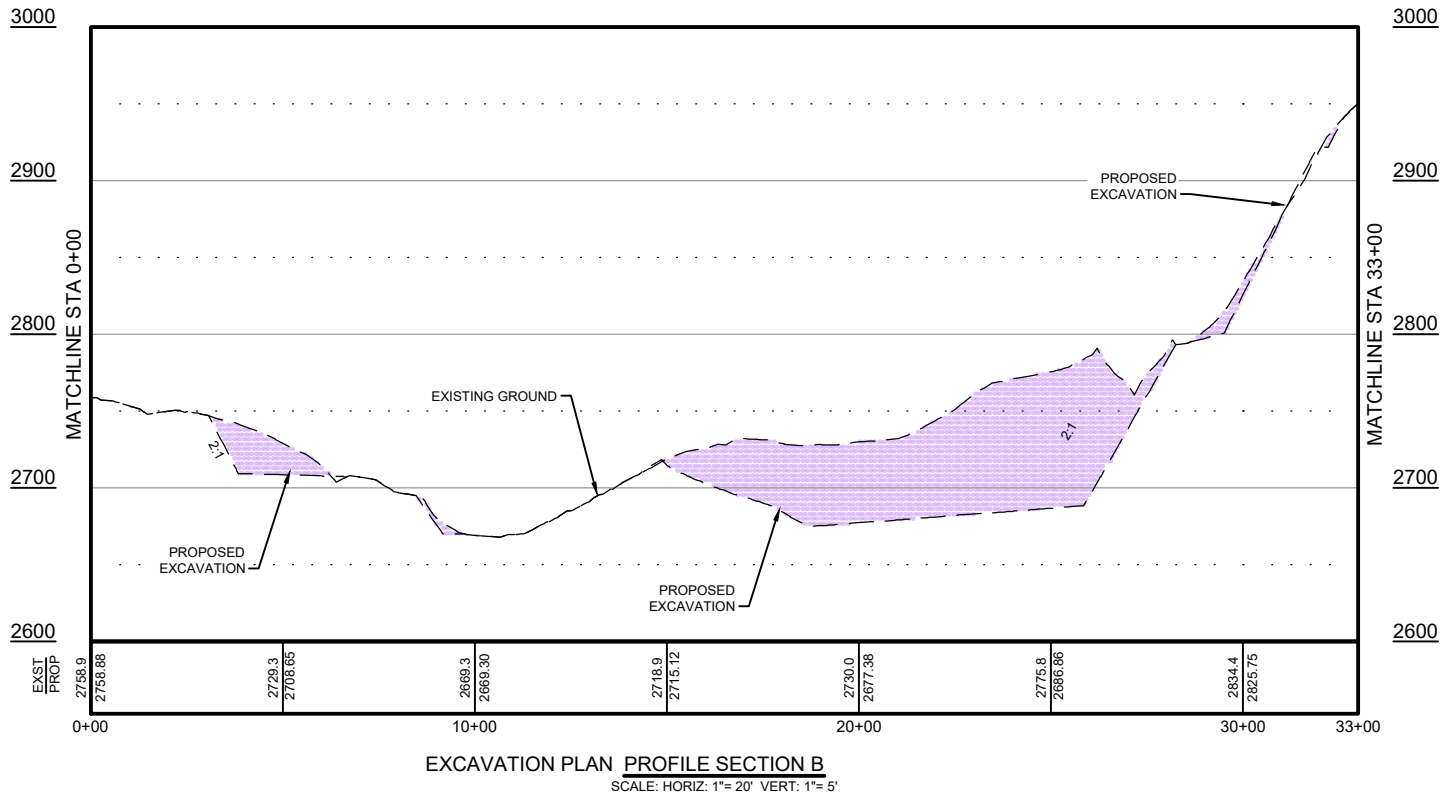
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LEGEND	
	EXCAVATION
	PHASE 5
	COVER

- NOTES:
- PROPOSED FINAL COVER THICKNESS IS 42"
 - ALL EXCAVATION SLOPES ARE 2:1.
 - ALL WASTE SLOPES ARE 4:1.
 - STORMWATER BENCHES NOT INCLUDED IN DESIGN

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PICKLES BUTTE LANDFILL
CANYON COUNTY, IDAHO
PHASE 5 EXPANSION PLAN

EXCAVATION & WASTE
SECTION B

Project No.: 114-571040-2024

Designed By: MM

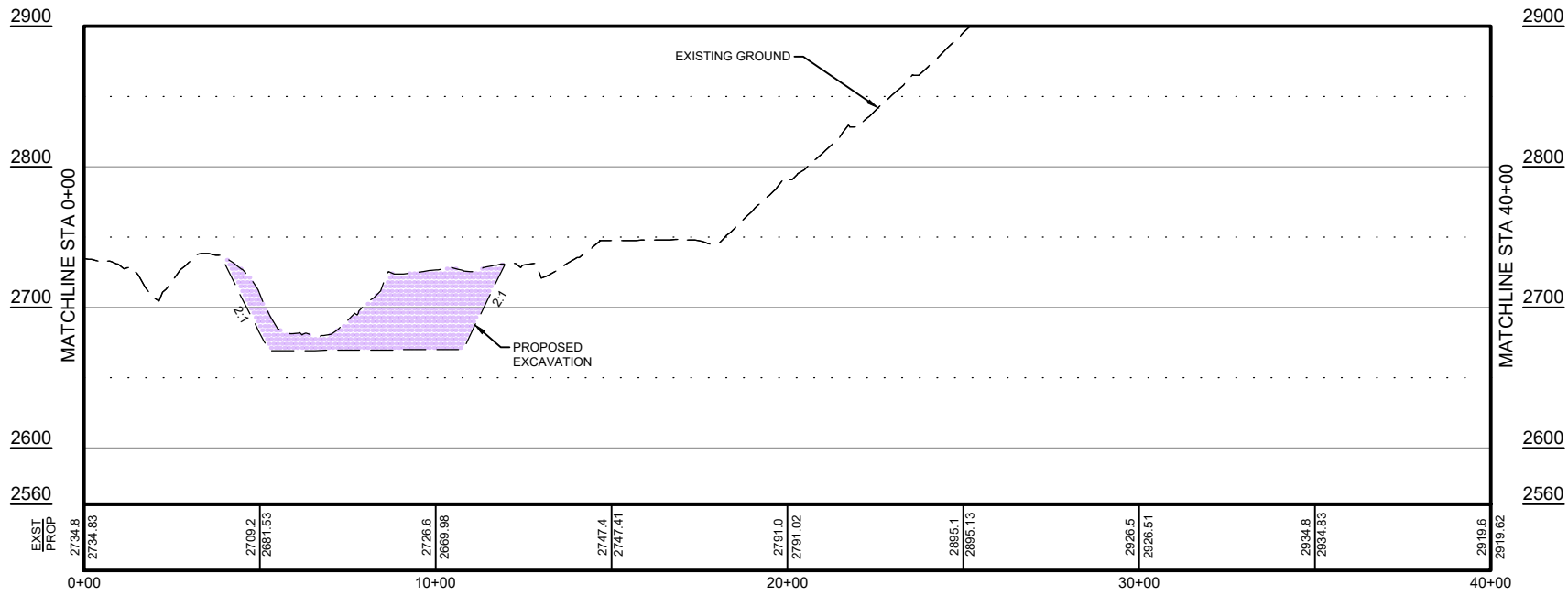
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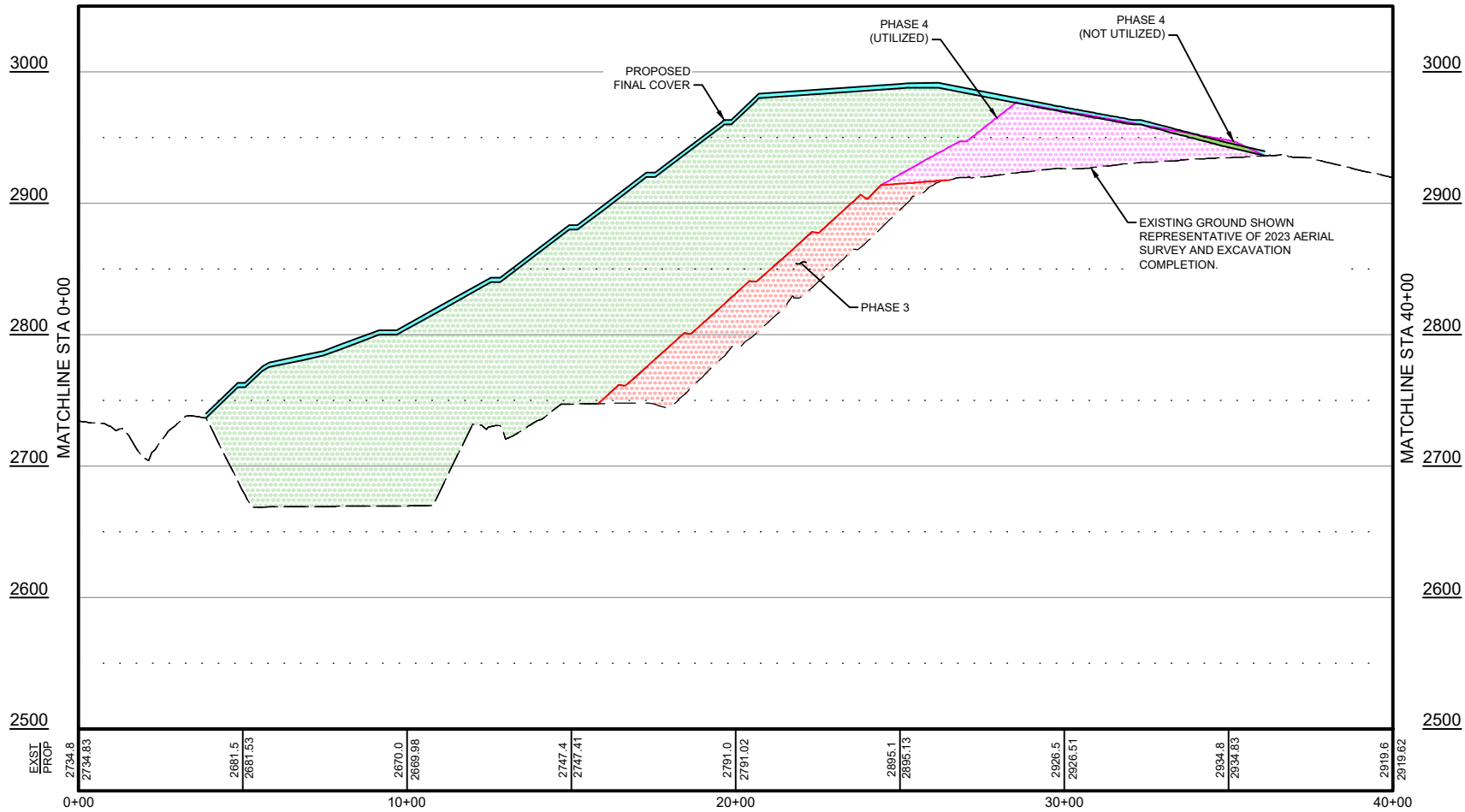
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EXCAVATION PLAN PROFILE SECTION C
SCALE: HORIZ: 1"= 20' VERT: 1"= 5'



WASTE PLAN PROFILE SECTION C
SCALE: HORIZ: 1"= 20' VERT: 1"= 5'

LEGEND	
	EXCAVATION
	PHASE 3
	PHASE 4
	PHASE 4 (NOT UTILIZED)
	PHASE 5
	COVER

- NOTES:
- PROPOSED FINAL COVER THICKNESS IS 42"
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 - ALL WASTE SLOPES ARE 4:1.
 - STORMWATER BENCHES NOT INCLUDED IN DESIGN



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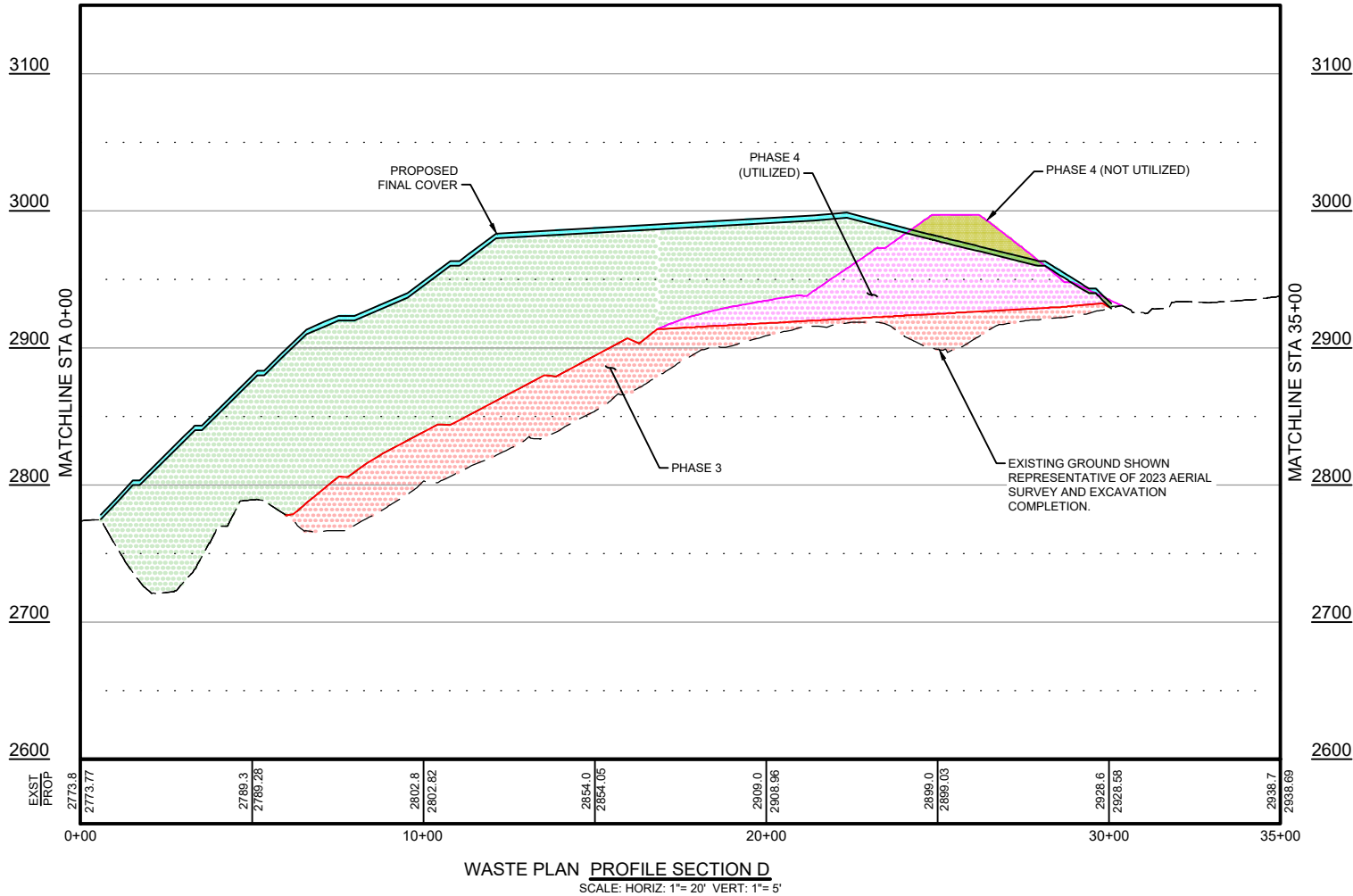
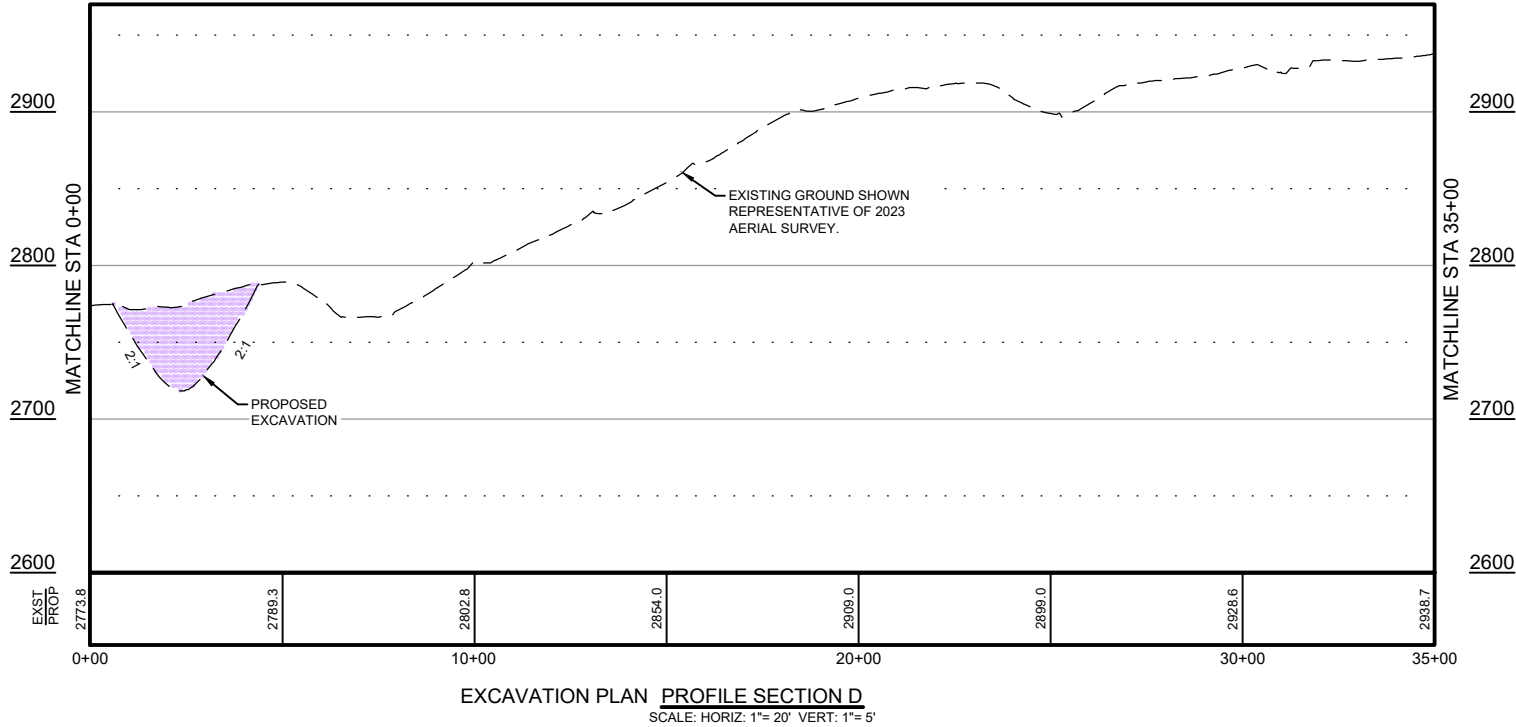
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PICKLES BUTTE LANDFILL
CANYON COUNTY, IDAHO
PHASE 5 EXPANSION PLAN
EXCAVATION & WASTE
SECTION C

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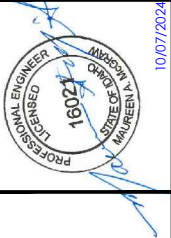


LEGEND	
	EXCAVATION
	PHASE 3
	PHASE 4
	PHASE 4 (NOT UTILIZED)
	PHASE 5
	COVER

- NOTES:
- PROPOSED FINAL COVER THICKNESS IS 42"
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 - ALL WASTE SLOPES ARE 4:1.
 - STORMWATER BENCHES NOT INCLUDED IN DESIGN



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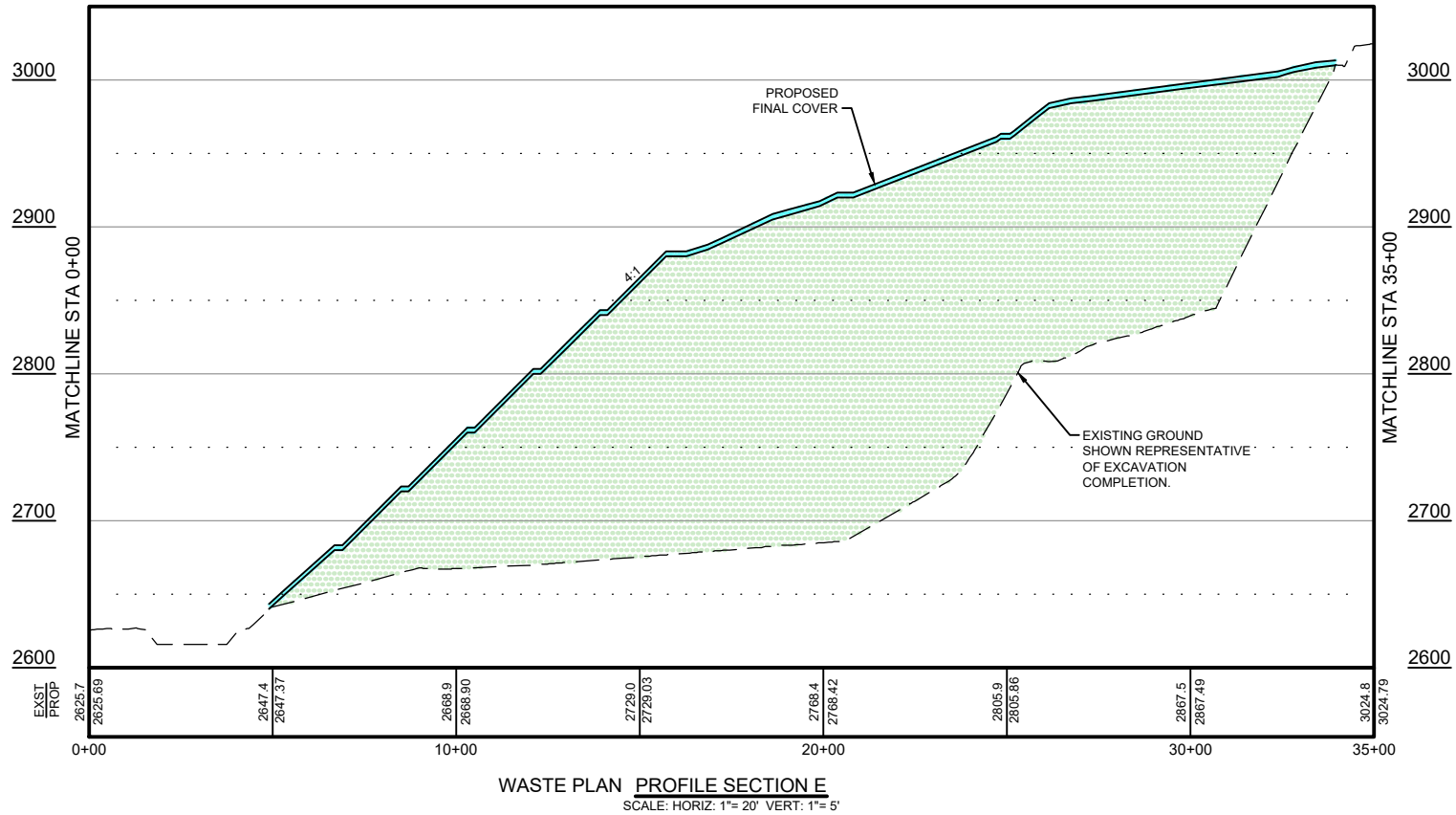
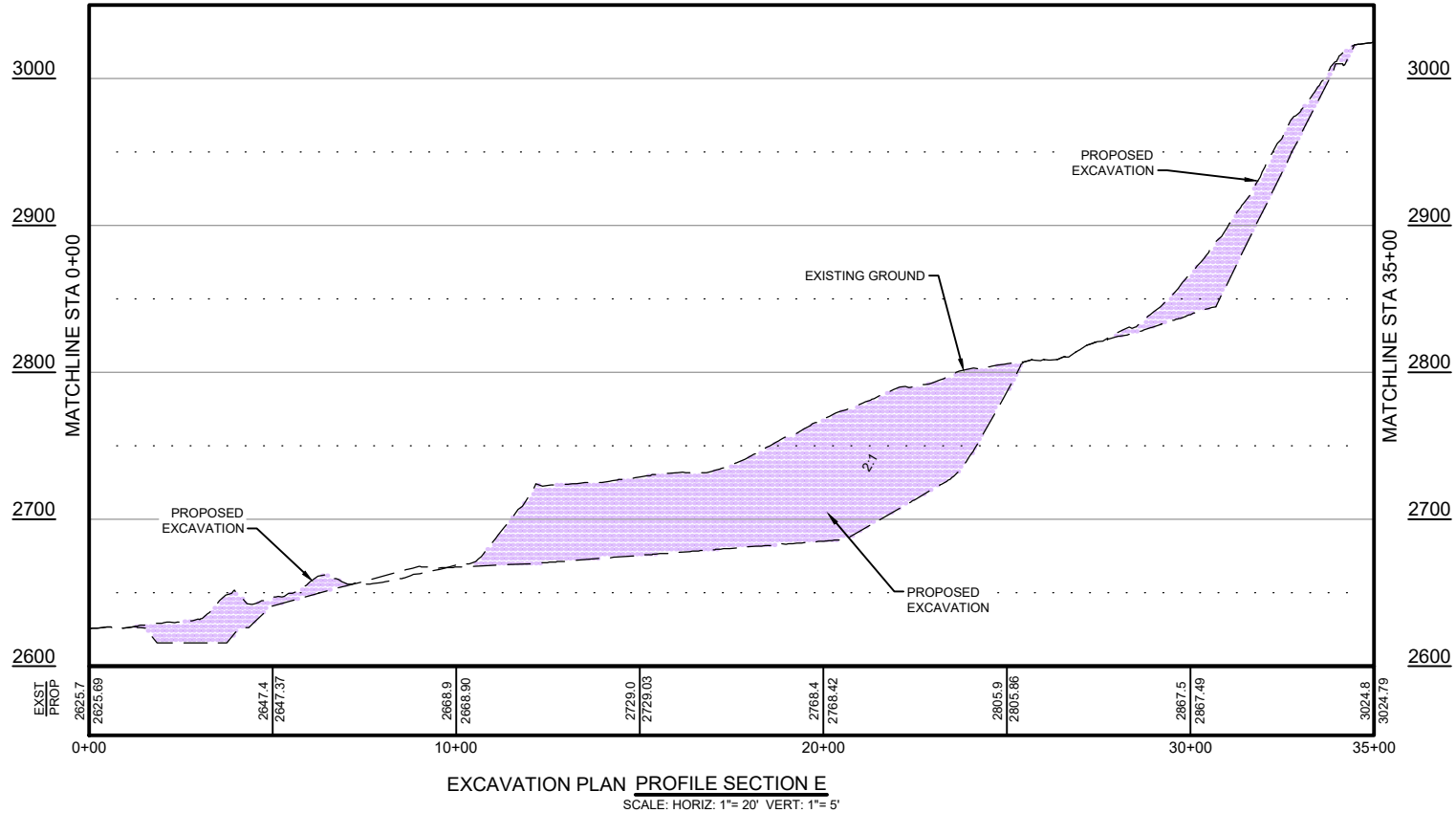
PICKLES BUTTE LANDFILL
CANYON COUNTY, IDAHO
PHASE 5 EXPANSION PLAN
EXCAVATION & WASTE
SECTION D

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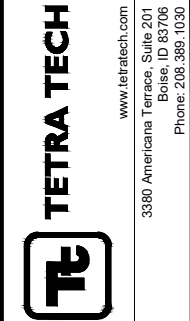
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LEGEND	
	EXCAVATION
	PHASE 5
	COVER

- NOTES:**
- PROPOSED FINAL COVER THICKNESS IS 42"
 - ALL EXCAVATION SLOPES ARE 2:1.
 - ALL WASTE SLOPES ARE 4:1.
 - STORMWATER BENCHES NOT INCLUDED IN DESIGN



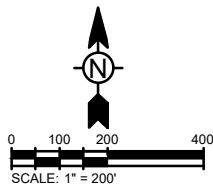
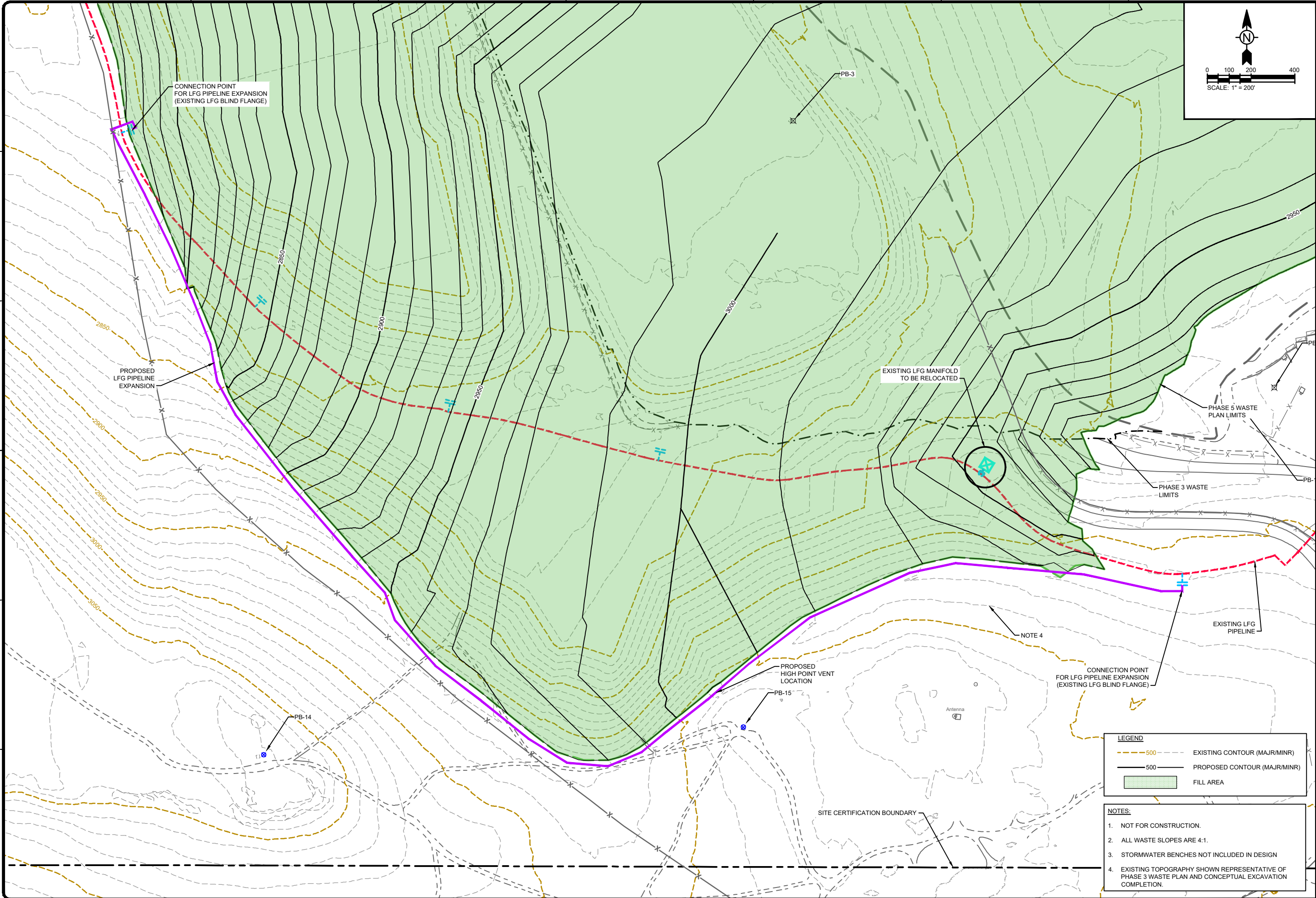
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PICKLES BUTTE LANDFILL
CANYON COUNTY, IDAHO
PHASE 5 EXPANSION PLAN
**EXCAVATION & WASTE
SECTION E**

Project No.: 114-571040-2024
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CANYON COUNTY, IDAHO

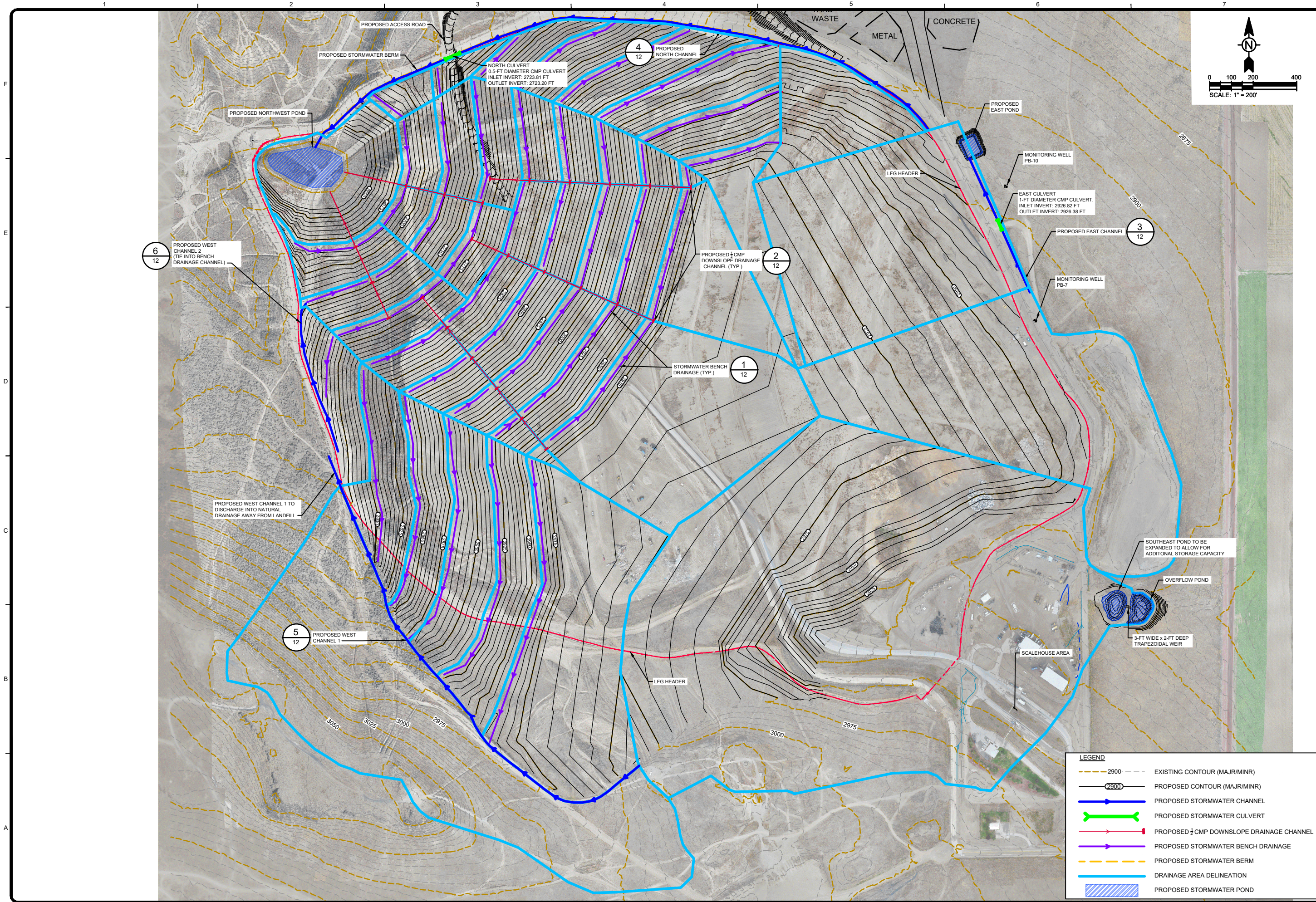
PHASE 5 EXPANSION PLAN

**LANDFILL GAS PIPELINE
EXPANSION**

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Drawn By:	JSS
Checked By:	MM

C-108

10/2/2024 6:21:45 PM - P:\A-C\CANYON COUNTY\DAHO\114-571040-2023 - PICKLES BUTTE 2023 LANDFILL\07-CAD\SHSHEETFILES\FIG-X STORMWATER PLAN.DWG - SANDERS, JIM1



LEGEND			
	2900	EXISTING CONTOUR (MAJR/MINR)	
	2900	PROPOSED CONTOUR (MAJR/MINR)	
		PROPOSED STORMWATER CHANNEL	
		PROPOSED STORMWATER CULVERT	
		PROPOSED 1/2 CMP DOWNSLOPE DRAINAGE CHANNEL	
		PROPOSED STORMWATER BENCH DRAINAGE	
		PROPOSED STORMWATER BERM	
		DRAINAGE AREA DELINEATION	
		PROPOSED STORMWATER POND	

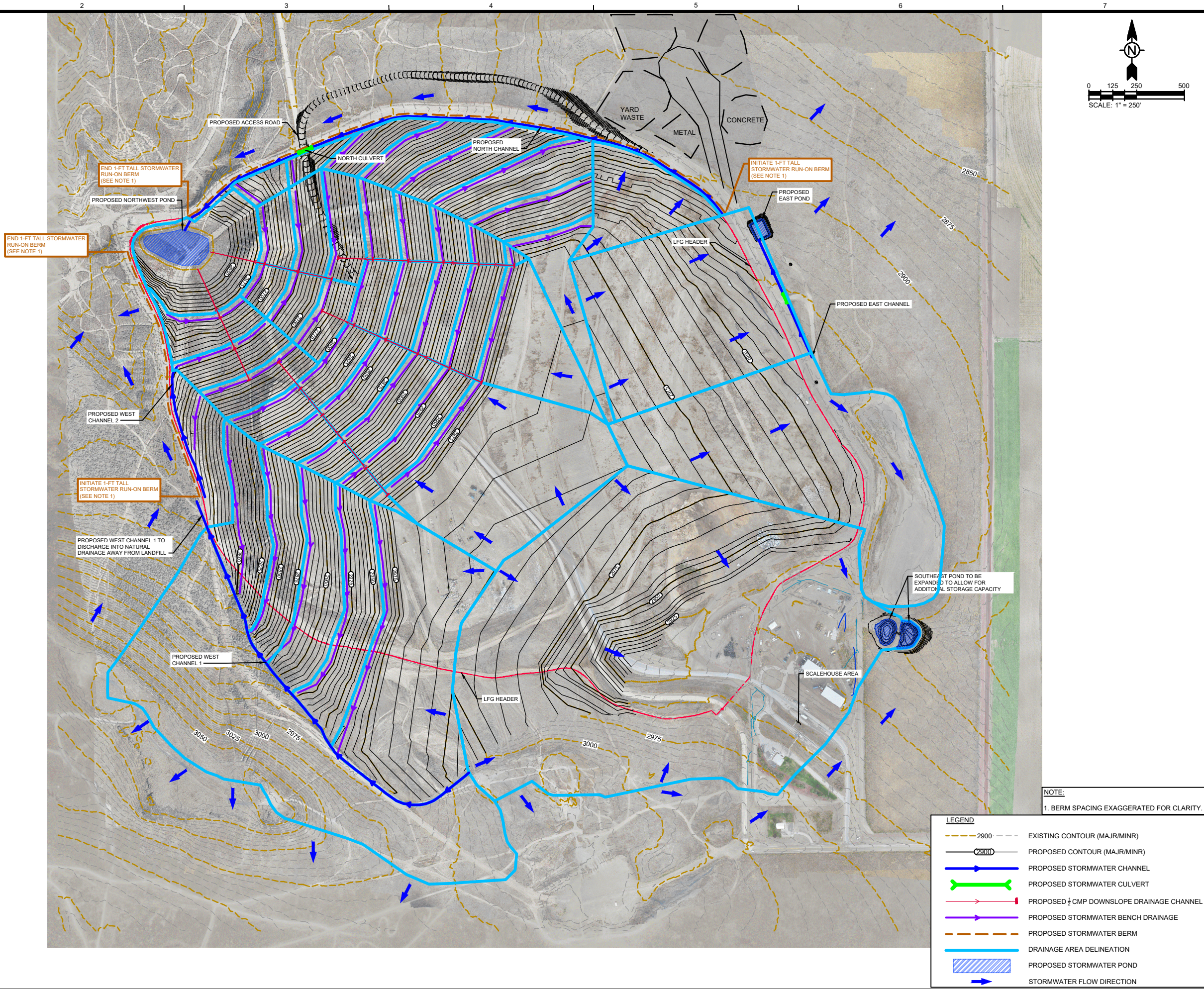
PICKLES BUTTE LANDFILL CANYON COUNTY, IDAHO PHASE 5 EXPANSION PLAN	MARK	DATE	DESCRIPTION	BY
	A	7/2024	ISSUED FOR REVIEW	JSS
STORMWATER MANAGEMENT PLAN	B	10/2024	REGULATORY SUBMITTAL	
Project No.: 114-571040-2024				
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Drawn By:				JSS
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PICKLES BUTTE LANDFILL CANYON COUNTY, IDAHO		DATE	DESCRIPTION	BY
PHASE 5 EXPANSION PLAN		7/2024	ISSUED FOR REVIEW	JSS
STORMWATER R RUN-OFF/RUN-ON PLAN		10/2024	REGULATORY SUBMITTAL	
Project No.: 114-571040-2024				
Designed By: MM				
Drawn By: JSS				
Checked By: MM				



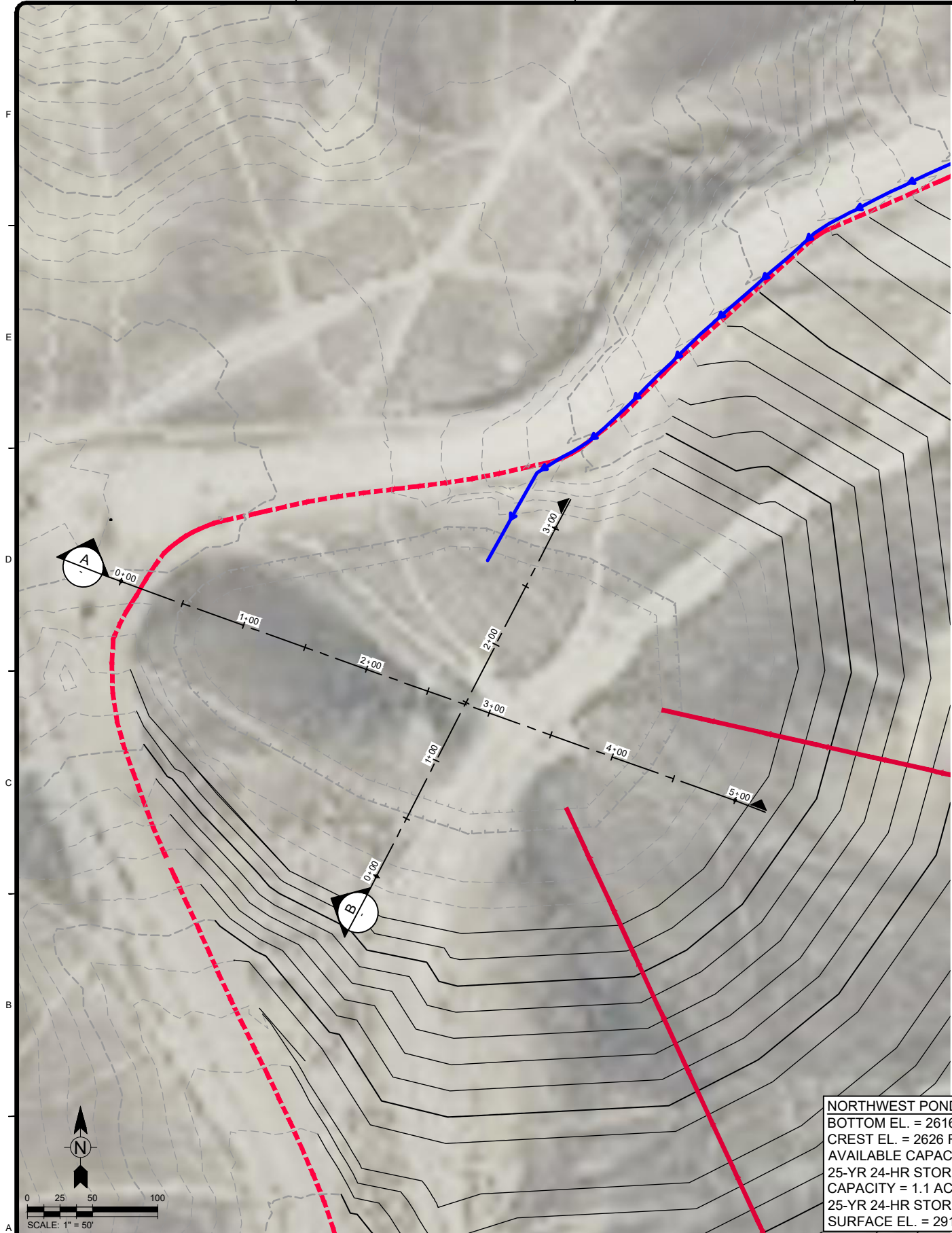
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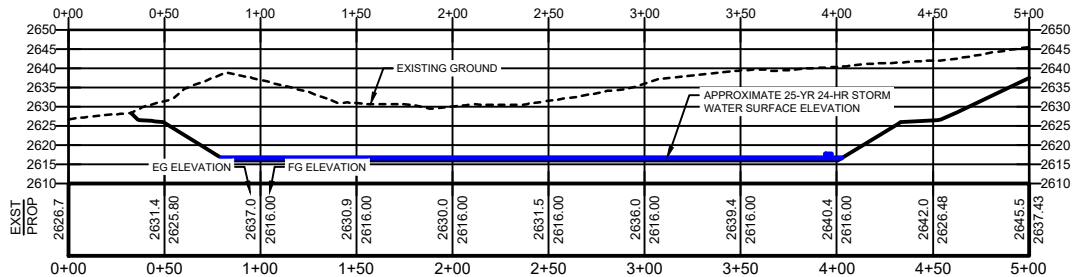
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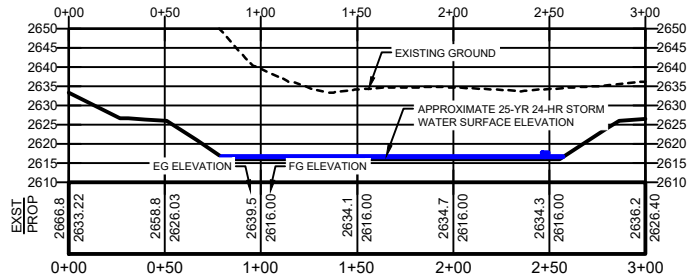


NORTHWEST POND PLAN

NORTHWEST POND
BOTTOM EL. = 2616 FT
CREST EL. = 2626 FT
AVAILABLE CAPACITY AT CREST = 13.0 AC-FT
25-YR 24-HR STORM EVENT REQUIRED
CAPACITY = 1.1 AC-FT
25-YR 24-HR STORM EVENT APPROX. WATER
SURFACE EL. = 2917 FT



A SECTION A
SCALE: HORIZ. 1" = 50' VERT 2X



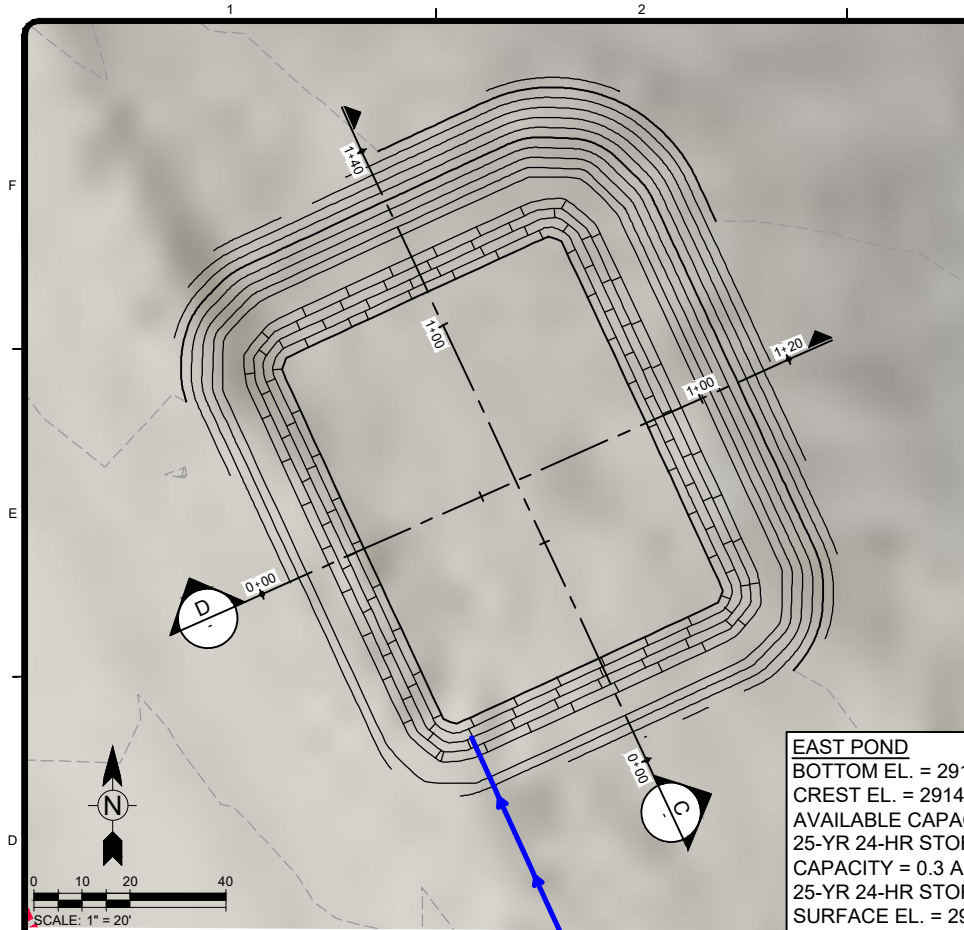
B SECTION B
SCALE: HORIZ. 1" = 50' VERT 2X

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PICKLES BUTTE LANDFILL
CANYON COUNTY, IDAHO
PHASE 5 EXPANSION PLAN
STORMWATER PONDS
SECTIONS 1

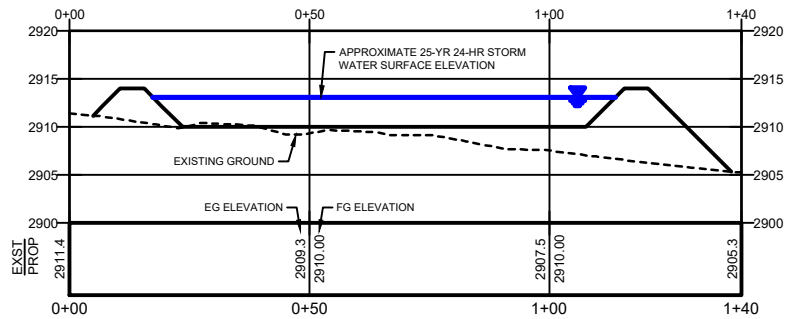
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Drawn By: JSS
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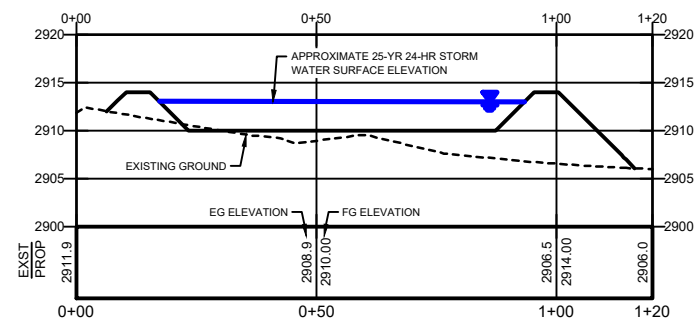


EAST POND PLAN

EAST POND
BOTTOM EL. = 2910 FT
CREST EL. = 2914 FT
AVAILABLE CAPACITY AT CREST = 0.67 AC-FT
25-YR 24-HR STORM EVENT REQUIRED
CAPACITY = 0.3 AC-FT
25-YR 24-HR STORM EVENT APPROX. WATER
SURFACE EL. = 2912 FT



C SECTION C
SCALE: HORIZ. 1" = 20' VERT 2X

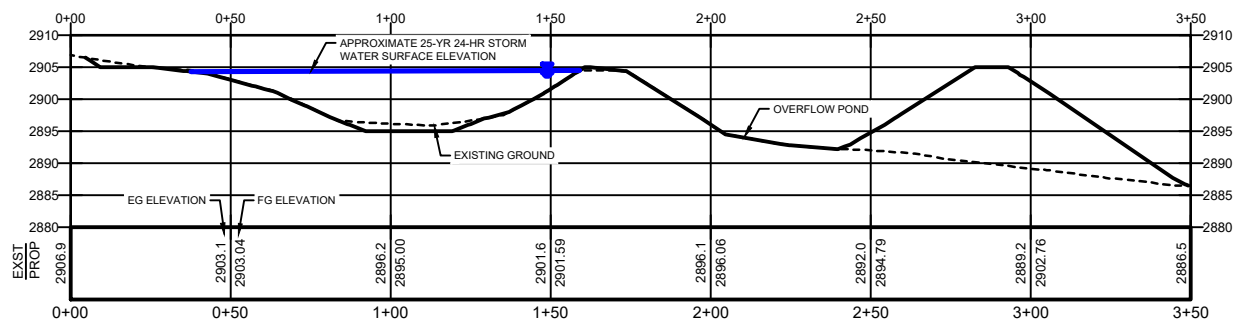


B SECTION D
SCALE: HORIZ. 1" = 20' VERT 2X



SOUTHEAST AND OVERFLOW POND PLAN

SOUTHEAST POND
BOTTOM EL. = 2895 FT
CREST EL. = 2905 FT
AVAILABLE CAPACITY AT CREST = 1.47 AC-FT
25-YR 24-HR STORM EVENT REQUIRED
CAPACITY = 1.1 AC-FT
25-YR 24-HR STORM EVENT APPROX. WATER
SURFACE EL. = 2914 FT



F SECTION E
SCALE: HORIZ. 1" = 30' VERT 2X

OVERFLOW POND
BOTTOM EL. = 2892 FT
CREST EL. = 2905 FT
AVAILABLE CAPACITY AT CREST = 1.76 AC-FT



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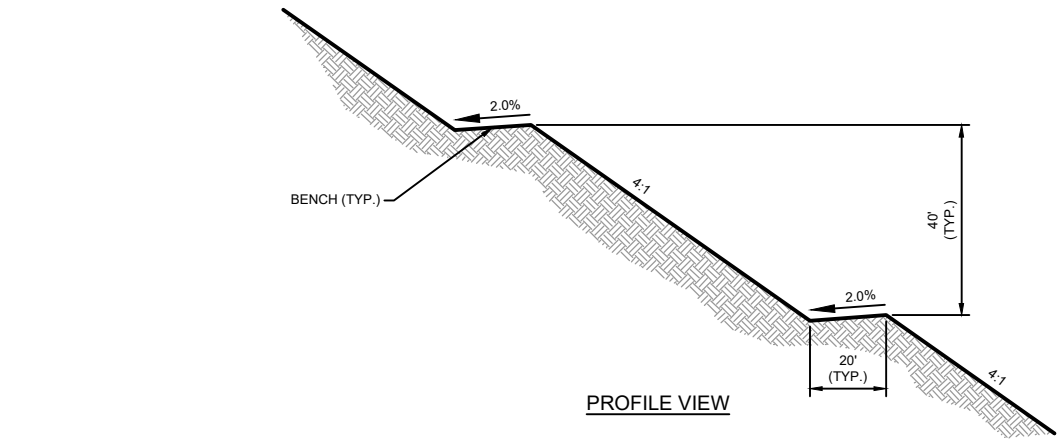
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CANYON COUNTY, IDAHO
PHASE 5 EXPANSION PLAN
STORMWATER PONDS
SECTIONS 2

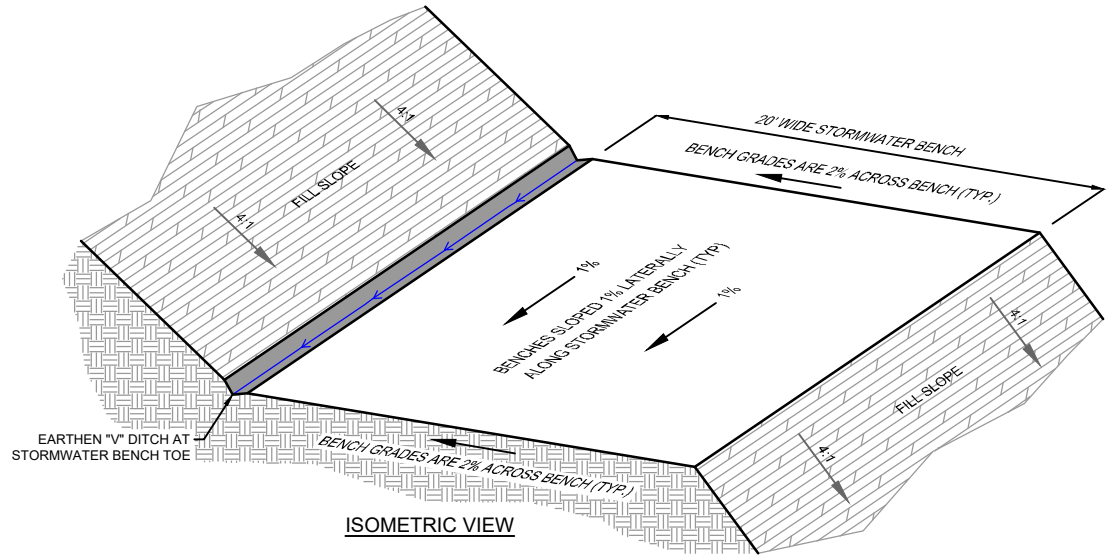
Project No.: 114-571040-2024
Designed By: MM
Drawn By: JSS
Checked By: MM

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10/2/2024 2:33:20 PM - P:\A-C\CANYON COUNTY DAHO\114-571040-2023 - PICKLES BUTTE 2023 LANDFILL\07-CAD\114-571040-2023 STORMWATER SECTIONS AND DETAILS.DWG - SANDERS, JIM1

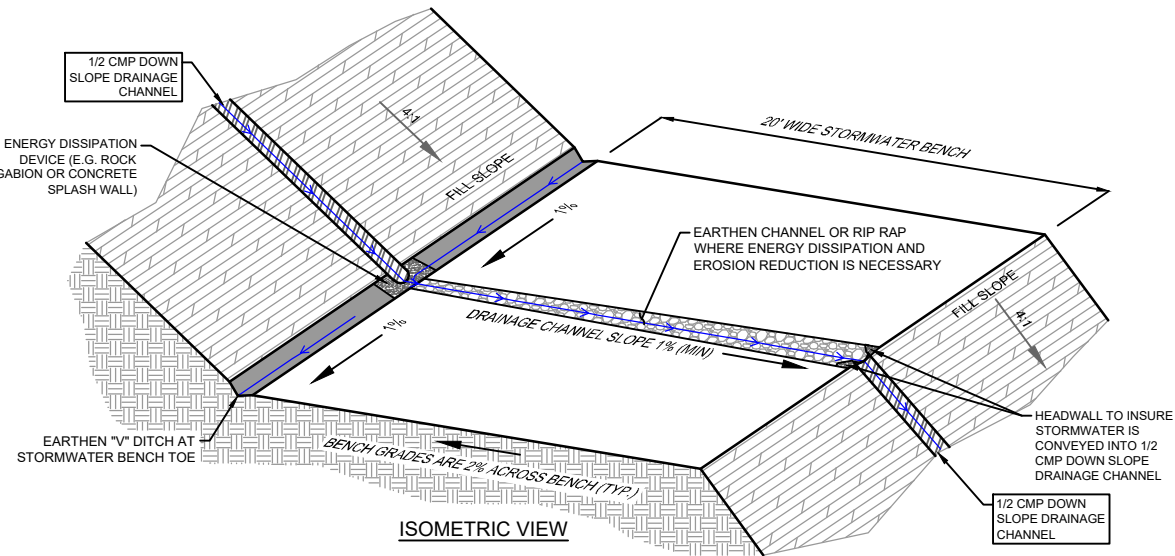


PROFILE VIEW



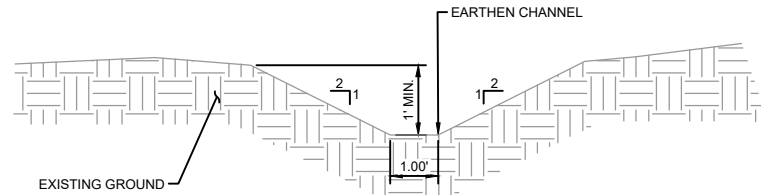
ISOMETRIC VIEW

1 STORMWATER BENCH DETAIL
X NOT TO SCALE

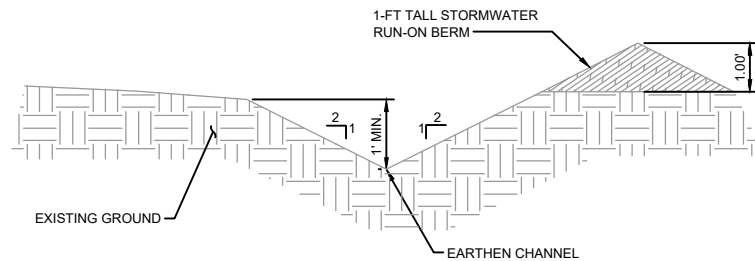


ISOMETRIC VIEW

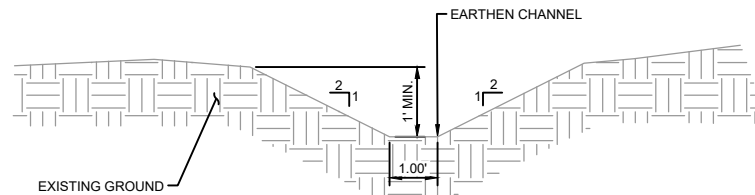
2 1/2 CMP DOWN SLOPE DRAINAGE CHANNEL DETAIL
X NOT TO SCALE



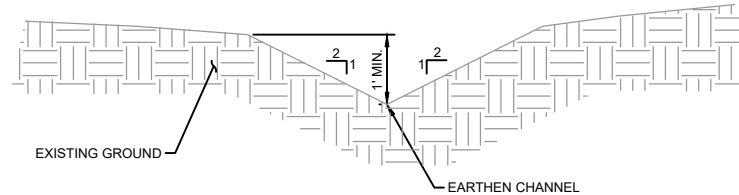
3 EAST STORMWATER CHANNEL SECTION (TYP.)
X NOT TO SCALE



4 NORTH STORMWATER CHANNEL SECTION (TYP.)
X NOT TO SCALE



5 WEST STORMWATER CHANNEL 1 SECTION (TYP.)
X NOT TO SCALE



6 WEST STORMWATER CHANNEL 2 SECTION (TYP.)
X NOT TO SCALE



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MARK	DATE	DESCRIPTION	BY
A	7/2024	ISSUED FOR REVIEW	JSS
B	10/2024	REGULATORY SUBMITTAL	

PICKLES BUTTE LANDFILL CANYON COUNTY, IDAHO PHASE 5 EXPANSION PLAN	STORMWATER SECTIONS AND DETAILS
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Project No.: 114-571040-2024
Designed By: MM
Drawn By: JSS
Checked By: MM

C-113

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