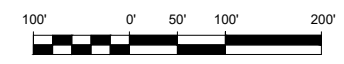
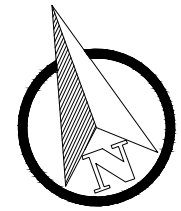
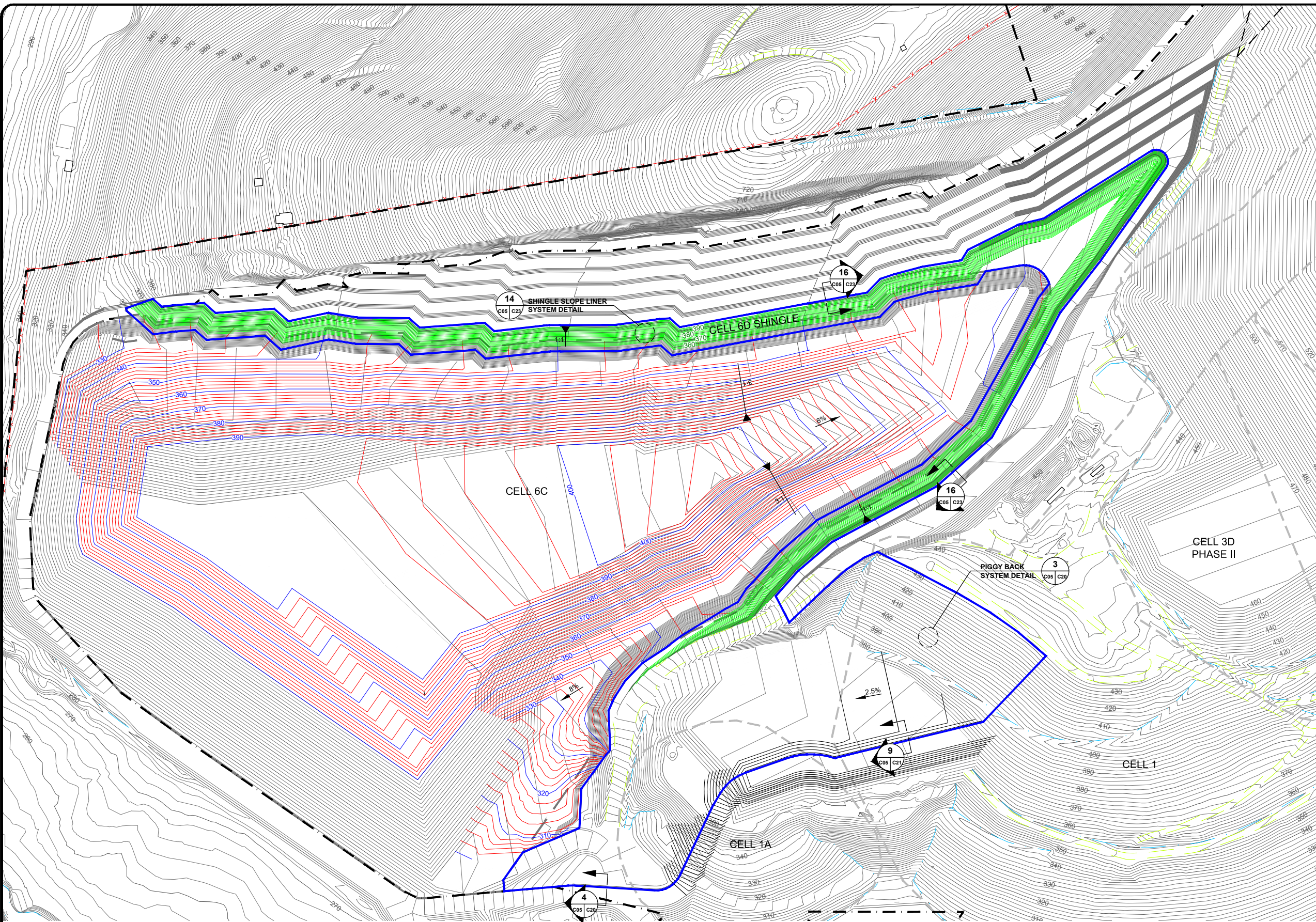


N:\COFFIN BUTTE\AU20.1211 - SITE DEVELOPMENT PLAN (SDP)\15_ENGINEERING\1_CIVILDRAWINGS\C05 CELL 6C FILL - 6D SHINGLE.DWG December 30, 2021 - 10:41 AM BY: GLA USER



LEGEND

- 300 — EXISTING 10' CONTOUR⁽¹⁾
- 300 — EXISTING 2' CONTOUR⁽¹⁾
- 300 — PROPOSED 10' WASTE FILL CONTOUR
- 300 — PROPOSED 2' WASTE FILL CONTOUR
- 300 — PROPOSED 10' SHINGLE FILL CONTOUR
- 300 — PROPOSED 2' SHINGLE FILL CONTOUR
- x - x - EXISTING FENCE
- — EXISTING PAVED ROAD
- — EXISTING UNPAVED ROAD
- — EXISTING DRAINAGE
- - - EXISTING LINER LIMITS
- — PROPOSED CELL 6 LINER
- - - PREVIOUS CELL 6 LINER
- - - PROPERTY LINE
- - - AREA PERMITTED FOR LANDFILL USE
- - - FUTURE CELL BOUNDARY

QUANTITIES

CELL 6C
 WASTE FILL VOLUME = 1,742,125 CY
 CUMULATIVE WASTE FILL VOLUME = 9,088,145 CY

CELL 6D
 LINED AREA = 11.5 ACRES
 SHINGLE FILL = 82,600 CY
 SOIL EMBANKMENT FILL = 18,000 CY

NOTES

1. REFERENCE AERIAL TOPOGRAPHY BASED ON MARCH 30, 2021 AERIAL SURVEY PERFORMED BY COOPER AERIAL SERVICES

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REV. NO.	DATE	DESCRIPTION	APPROVED BY
0	12/30/21	ISSUED AS 2021 PERMIT UPDATE	AO

DATE OF ISSUE: 12/30/2021
 DESIGNED BY: RPB/AO
 DRAWN BY: RPB
 CHECKED BY: JVR
 APPROVED BY: AO



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VALLEY LANDFILLS, INC.

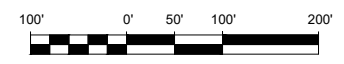
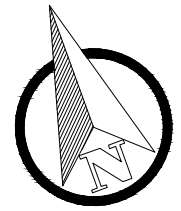
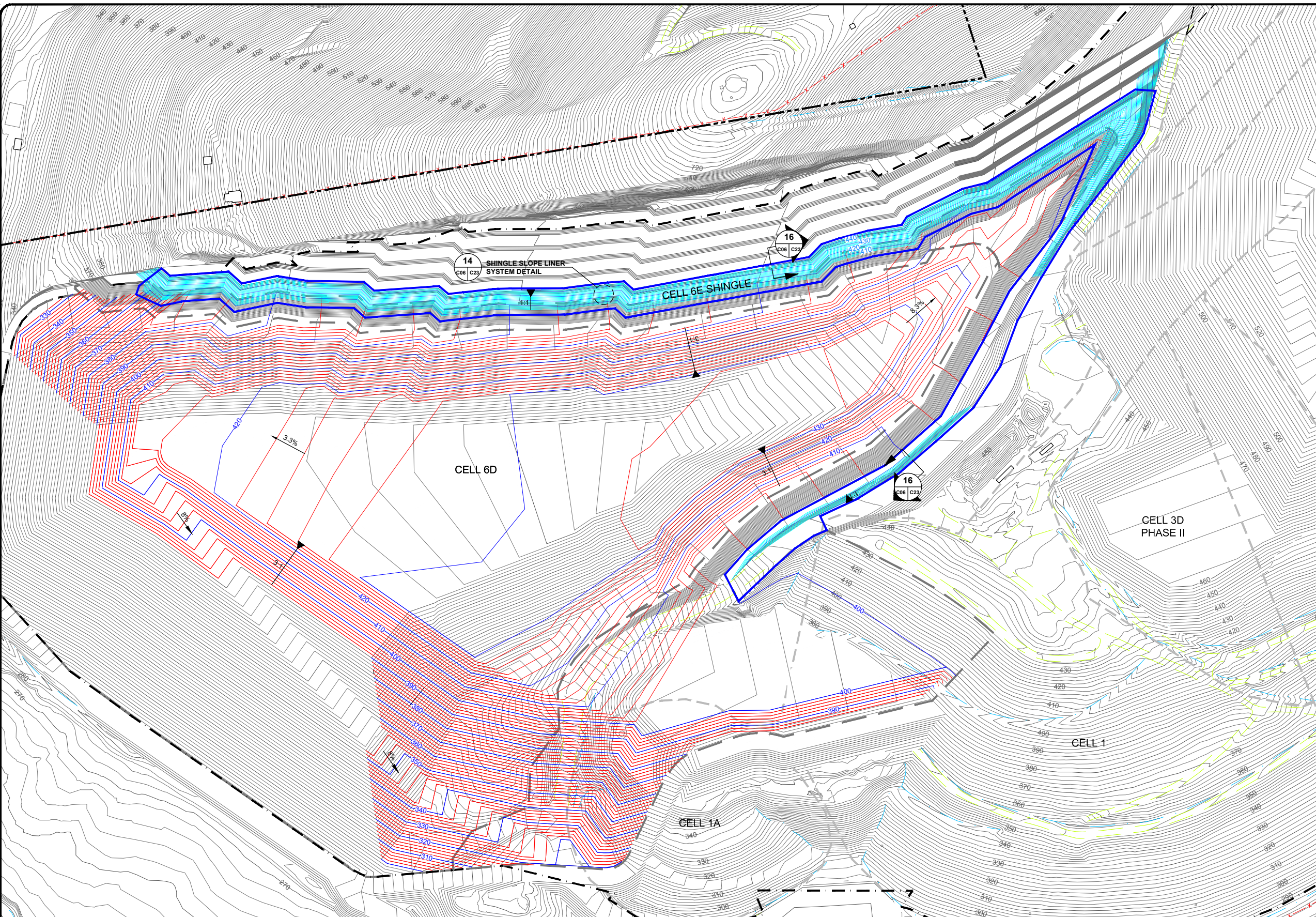


COFFIN BUTTE LANDFILL
 SITE DEVELOPMENT PLAN
 BENTON COUNTY, OREGON
 CELL 6C FILL & CELL 6D SHINGLE

DRAWING NO. C05
 PROJECT NO. AU20.1210

ISSUED AS 2021 PERMIT UPDATE

N:\COFFIN BUTTE\AU20.1211 - SITE DEVELOPMENT PLAN (SDP)\5_ENGINEERING\1_CIVILDRAWINGS\C06 CELL 6D FILL - 6E BASE.DWG December 30, 2021 - 10:32 AM BY: GLA USER



LEGEND

- 300 — EXISTING 10' CONTOUR⁽¹⁾
- 300 — EXISTING 2' CONTOUR⁽¹⁾
- 300 — PROPOSED 10' WASTE FILL CONTOUR
- 300 — PROPOSED 2' WASTE FILL CONTOUR
- 300 — PROPOSED 10' SHINGLE FILL CONTOUR
- 300 — PROPOSED 2' SHINGLE FILL CONTOUR
- x - x - EXISTING FENCE
- — EXISTING PAVED ROAD
- — EXISTING UNPAVED ROAD
- — EXISTING DRAINAGE
- — EXISTING LINER LIMITS
- — PROPOSED CELL 6 LINER
- — PREVIOUS CELL 6 LINER
- — PROPERTY LINE
- — AREA PERMITTED FOR LANDFILL USE
- — FUTURE CELL BOUNDARY

QUANTITIES

CELL 6D
 WASTE FILL VOLUME = 1,859,817 CY
 CUMULATIVE WASTE FILL VOLUME = 10,947,962 CY

CELL 6E
 LINED AREA = 3.9 ACRES
 SHINGLE FILL = 59,600 CY

NOTES

1. REFERENCE AERIAL TOPOGRAPHY BASED ON MARCH 30, 2021 AERIAL SURVEY PERFORMED BY COOPER AERIAL SURVEYS COMPANY.
2. WASTE FILL VOLUMES EXCLUDE UNDERDRAIN, SLCRS, PLCS, AND OPERATIONS SOIL VOLUMES.

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ISSUED AS 2021 PERMIT UPDATE

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0	12/30/21	ISSUED AS 2021 PERMIT UPDATE	AO

DATE OF ISSUE: 12/30/2021
 DESIGNED BY: RPB/AO
 DRAWN BY: RPB
 CHECKED BY: JVR
 APPROVED BY: AO



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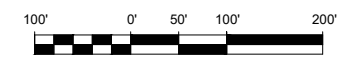
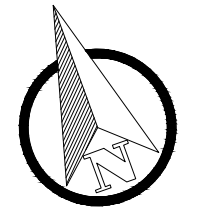
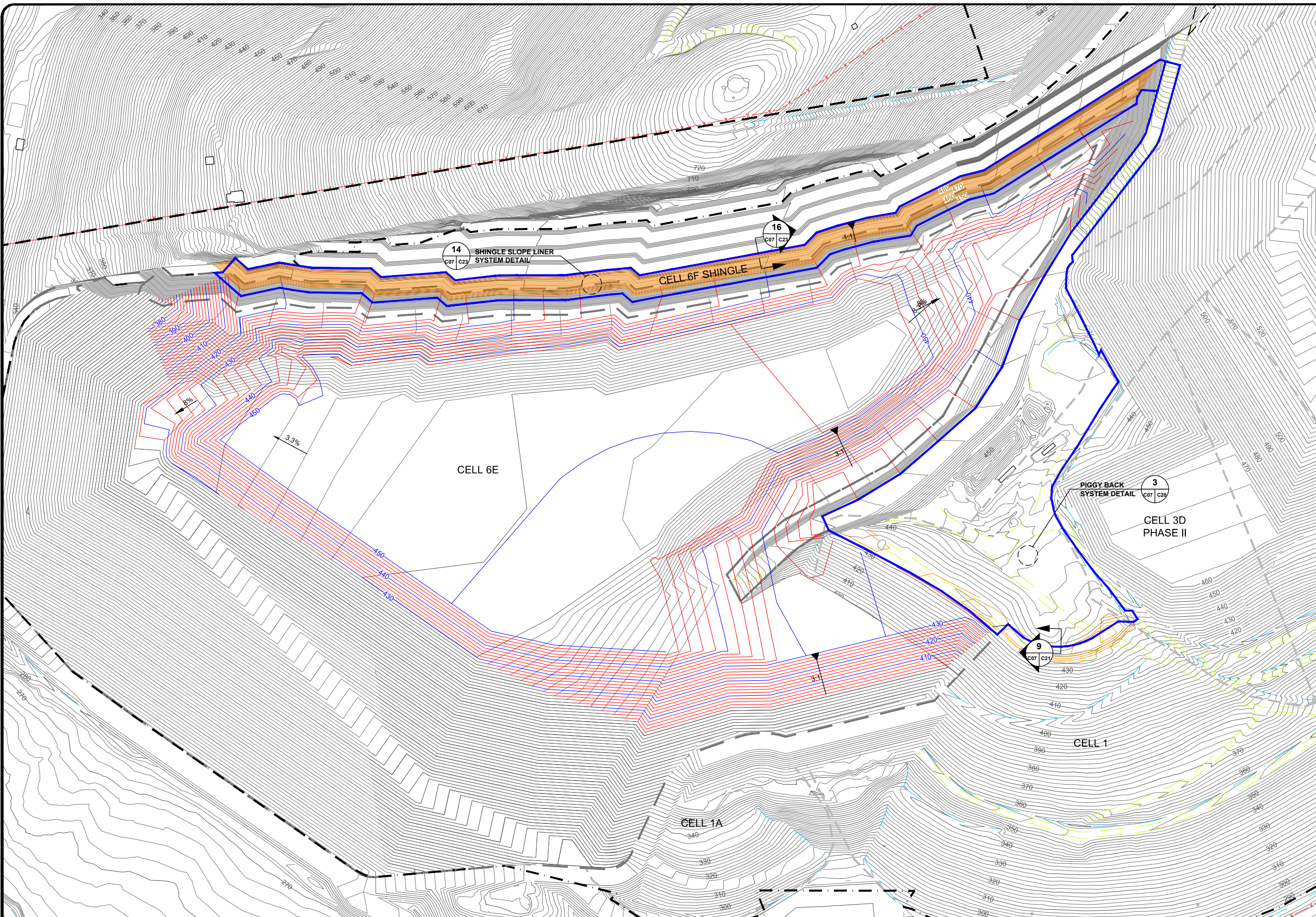
VALLEY LANDFILLS, INC.



COFFIN BUTTE LANDFILL
SITE DEVELOPMENT PLAN
 BENTON COUNTY, OREGON
CELL 6D FILL & CELL 6E SHINGLE AND ASBESTOS AREA

DRAWING NO.
C06
PROJECT NO.
 AU20.1210

N:\COFFIN BUTTE\AU20.1211 - SITE DEVELOPMENT PLAN (SDP)\15_ENGINEERING\1_CIVILDRAWINGS\C07 CELL 6E FILL - 6F BASE DWG December 30, 2021 - 11:30 AM BY: GLA USER



LEGEND

- 300 — EXISTING 10' CONTOUR⁽¹⁾
- 300 — EXISTING 2' CONTOUR⁽¹⁾
- 300 — PROPOSED 10' WASTE FILL CONTOUR
- 300 — PROPOSED 2' WASTE FILL CONTOUR
- 300 — PROPOSED 10' SHINGLE FILL CONTOUR
- 300 — PROPOSED 2' SHINGLE FILL CONTOUR
- x - x - EXISTING FENCE
- — EXISTING PAVED ROAD
- — EXISTING UNPAVED ROAD
- — EXISTING DRAINAGE
- — EXISTING LINER LIMITS
- — PROPOSED CELL 6 LINER
- — PREVIOUS CELL 6 LINER
- — PROPERTY LINE
- — AREA PERMITTED FOR LANDFILL USE
- — FUTURE CELL BOUNDARY

QUANTITIES

CELL 6E
 WASTE FILL VOLUME = 1,078,416 CY
 CUMULATIVE WASTE FILL VOLUME = 12,026,378 CY

CELL 6F
 LINED AREA = 5.1 ACRES
 SHINGLE FILL = 44,000 CY
 SOIL EMBANKMENT FILL = 17,000 CY

NOTES

1. REFERENCE AERIAL TOPOGRAPHY BASED ON MARCH 30, 2021 AERIAL SURVEY PERFORMED BY COOPER AERIAL SURVEYS COMPANY.
2. WASTE FILL VOLUMES EXCLUDE UNDERDRAIN, SLCRS, PLCS, AND OPERATIONS SOIL VOLUMES.

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ISSUED AS 2021 PERMIT UPDATE

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0	12/30/21	ISSUED AS 2021 PERMIT UPDATE	AO

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 DRAWN BY: RPB
 CHECKED BY: JVR
 APPROVED BY: AO



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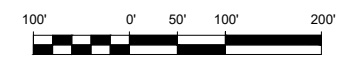
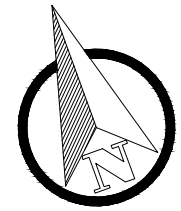
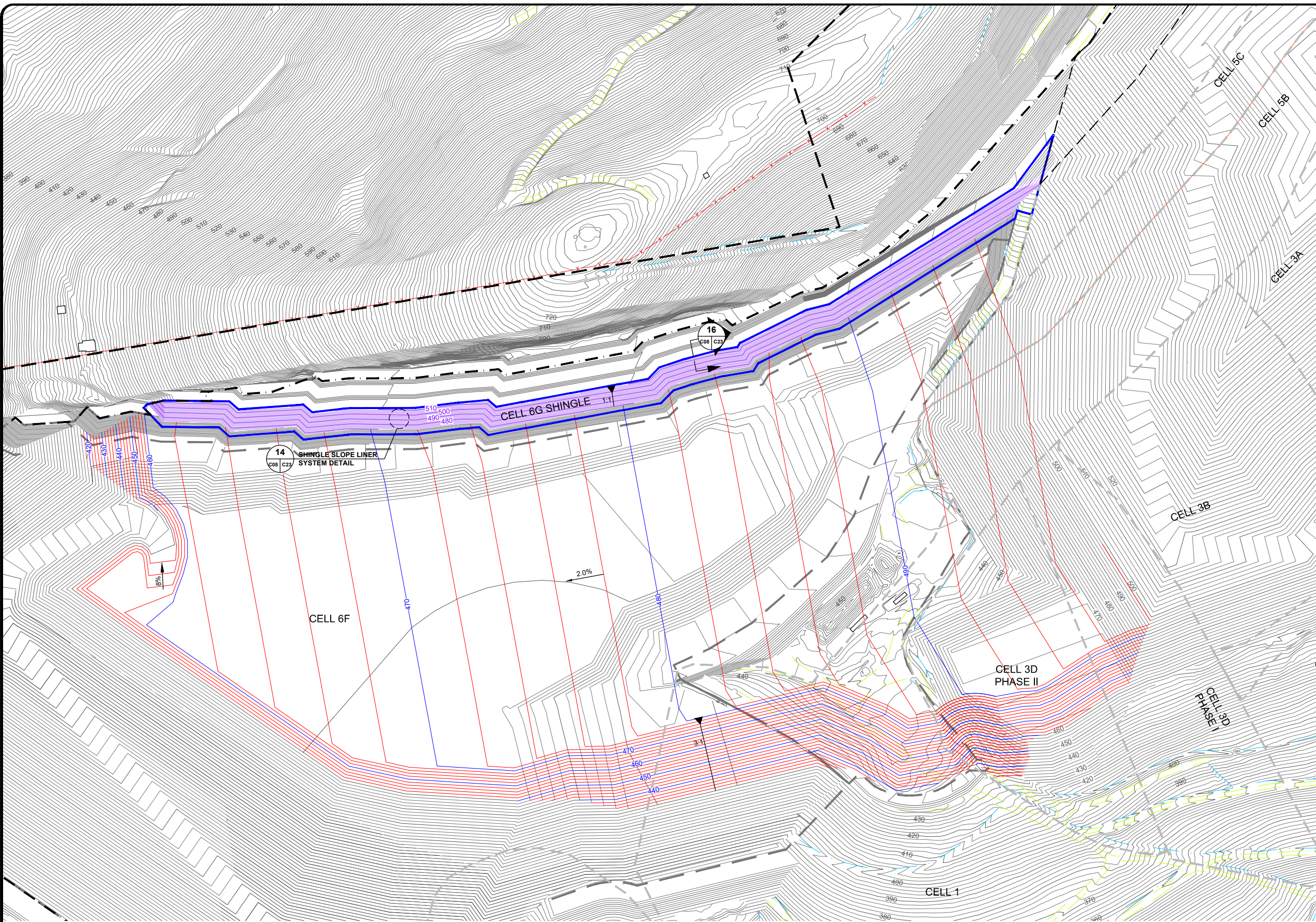
VALLEY LANDFILLS, INC.



COFFIN BUTTE LANDFILL
SITE DEVELOPMENT PLAN
 BENTON COUNTY, OREGON
 CELL 6E FILL & CELL 6F SHINGLE

DRAWING NO.
C07
PROJECT NO.
 AU20.1210

N:\COFFIN BUTTE\AU20.1211 - SITE DEVELOPMENT PLAN (SDP)\15_ENGINEERING\1_CIVILDRAWINGS\C08 CELL 6F FILL - 6G BASE DWG December 30, 2021 - 10:05 AM BY: GLA USER



LEGEND

- 300 — EXISTING 10' CONTOUR⁽¹⁾
- 300 — EXISTING 2' CONTOUR⁽¹⁾
- 300 — PROPOSED 10' WASTE FILL CONTOUR
- 300 — PROPOSED 2' WASTE FILL CONTOUR
- 300 — PROPOSED 10' SHINGLE FILL CONTOUR
- 300 — PROPOSED 2' SHINGLE FILL CONTOUR
- x - x - EXISTING FENCE
- — EXISTING PAVED ROAD
- — EXISTING UNPAVED ROAD
- — EXISTING DRAINAGE
- — EXISTING LINER LIMITS
- — PROPOSED CELL 6 LINER
- — PREVIOUS CELL 6 LINER
- — PROPERTY LINE
- — AREA PERMITTED FOR LANDFILL USE
- — FUTURE CELL BOUNDARY

QUANTITIES

CELL 6F
 WASTE FILL VOLUME = 1,686,068 CY
 CUMULATIVE WASTE FILL VOLUME = 13,712,446 CY

CELL 6G
 LINED AREA = 2.4 ACRES
 SHINGLE FILL = 41,000 CY

NOTES

1. REFERENCE AERIAL TOPOGRAPHY BASED ON MARCH 30, 2021 AERIAL SURVEY PERFORMED BY COOPER AERIAL SURVEYS COMPANY.
2. WASTE FILL VOLUMES EXCLUDE UNDERDRAIN, SLCRS, PLCS, AND OPERATIONS SOIL VOLUMES.

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ISSUED AS 2021 PERMIT UPDATE

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 DRAWN BY: RPB
 CHECKED BY: JVR
 APPROVED BY: AO



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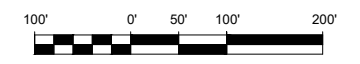
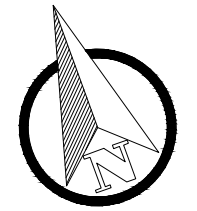
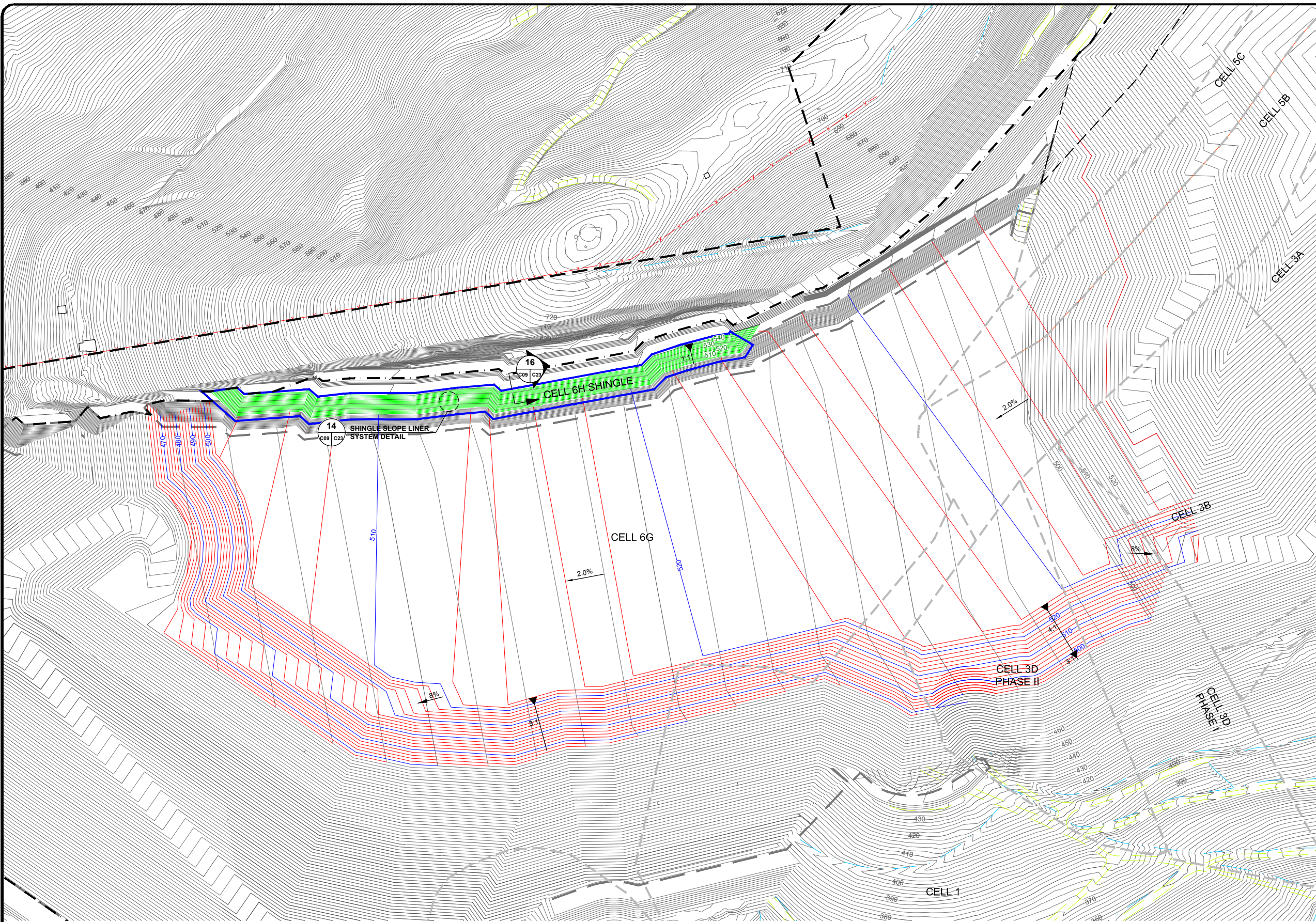
VALLEY LANDFILLS, INC.



COFFIN BUTTE LANDFILL
SITE DEVELOPMENT PLAN
 BENTON COUNTY, OREGON
 CELL 6F FILL & CELL 6G SHINGLE

DRAWING NO. C08
PROJECT NO. AU20.1210

N:\COFFIN BUTTE\AU20.1211 - SITE DEVELOPMENT PLAN (SDP)\15_ENGINEERING\1_CIVILDRAWINGS\C09 CELL 6G FILL - 6H SHINGLE.DWG December 30, 2021 - 10:09 AM BY: GLA USER



LEGEND

- 300 — EXISTING 10' CONTOUR⁽¹⁾
- 300 — EXISTING 2' CONTOUR⁽¹⁾
- 300 — PROPOSED 10' WASTE FILL CONTOUR
- 300 — PROPOSED 2' WASTE FILL CONTOUR
- 300 — PROPOSED 10' SHINGLE FILL CONTOUR
- 300 — PROPOSED 2' SHINGLE FILL CONTOUR
- x - x - EXISTING FENCE
- — EXISTING PAVED ROAD
- — EXISTING UNPAVED ROAD
- — EXISTING DRAINAGE
- - - - EXISTING LINER LIMITS
- — PROPOSED CELL 6 LINER
- - - - PREVIOUS CELL 6 LINER
- - - - PROPERTY LINE
- - - - AREA PERMITTED FOR LANDFILL USE
- - - - FUTURE CELL BOUNDARY

QUANTITIES

CELL 6G
 WASTE FILL VOLUME = 2,015,256 CY
 CUMULATIVE WASTE FILL VOLUME = 15,727,702 CY

CELL 6H
 LINED AREA = 1.1 ACRES
 SHINGLE FILL = 24,000 CY

NOTES

1. REFERENCE AERIAL TOPOGRAPHY BASED ON MARCH 30, 2021 AERIAL SURVEY PERFORMED BY COOPER AERIAL SURVEYS COMPANY.
2. WASTE FILL VOLUMES EXCLUDE UNDERDRAIN, SLCRS, PLCS, AND OPERATIONS SOIL VOLUMES.

ISSUED AS 2021 PERMIT UPDATE

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0	12/30/21	ISSUED AS 2021 PERMIT UPDATE	AO

DATE OF ISSUE: 12/30/2021
 DESIGNED BY: RPB/AO
 DRAWN BY: RPB
 CHECKED BY: JVR
 APPROVED BY: AO



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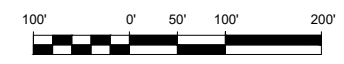
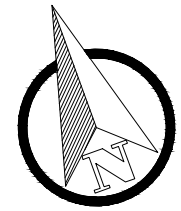
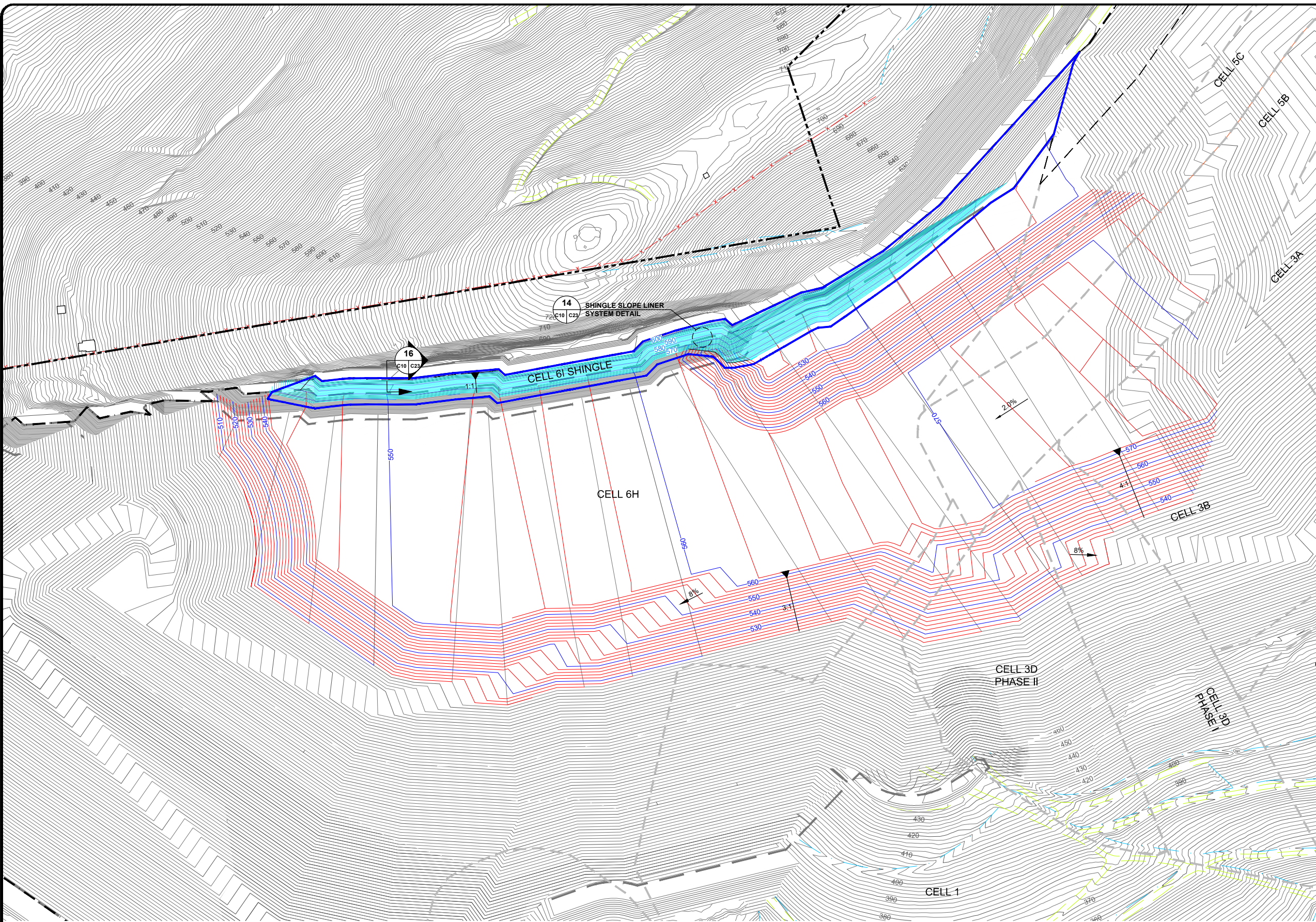
VALLEY LANDFILLS, INC.



COFFIN BUTTE LANDFILL
SITE DEVELOPMENT PLAN
 BENTON COUNTY, OREGON
 CELL 6G FILL & CELL 6H SHINGLE

DRAWING NO.
C09
 PROJECT NO.
 AU20.1210

N:\COFFIN BUTTE\AU20.1211 - SITE DEVELOPMENT PLAN (SDP)\5_ENGINEERING\1_CIVILDRAWINGS\C10 CELL 6H FILL - 6I BASE.DWG December 30, 2021 - 2:52 PM BY: GLA USER



LEGEND

- 300 — EXISTING 10' CONTOUR⁽¹⁾
- 300 — EXISTING 2' CONTOUR⁽¹⁾
- 300 — PROPOSED 10' WASTE FILL CONTOUR
- 300 — PROPOSED 2' WASTE FILL CONTOUR
- 300 — PROPOSED 10' SHINGLE FILL CONTOUR
- 300 — PROPOSED 2' SHINGLE FILL CONTOUR
- x - x - EXISTING FENCE
- — EXISTING PAVED ROAD
- — EXISTING UNPAVED ROAD
- — EXISTING DRAINAGE
- — EXISTING LINER LIMITS
- — PROPOSED CELL 6 LINER
- — PREVIOUS CELL 6 LINER
- — PROPERTY LINE
- — AREA PERMITTED FOR LANDFILL USE
- — FUTURE CELL BOUNDARY

QUANTITIES

CELL 6H
 WASTE FILL VOLUME = 1,295,451 CY
 CUMULATIVE WASTE FILL VOLUME = 17,023,152 CY

CELL 6I
 LINED AREA = 1.2 ACRES
 SHINGLE FILL = 45,000 CY

NOTES

1. REFERENCE AERIAL TOPOGRAPHY BASED ON MARCH 30, 2021 AERIAL SURVEY PERFORMED BY COOPER AERIAL SURVEYS COMPANY.
2. WASTE FILL VOLUMES EXCLUDE UNDERDRAIN, SLCRS, PLCS, AND OPERATIONS SOIL VOLUMES.

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ISSUED AS 2021 PERMIT UPDATE

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0	12/30/21	ISSUED AS 2021 PERMIT UPDATE	AO

DATE OF ISSUE: 12/30/2021
 DESIGNED BY: RPB/AO
 DRAWN BY: RPB
 CHECKED BY: JVR
 APPROVED BY: AO



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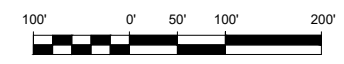
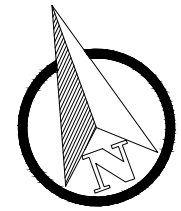
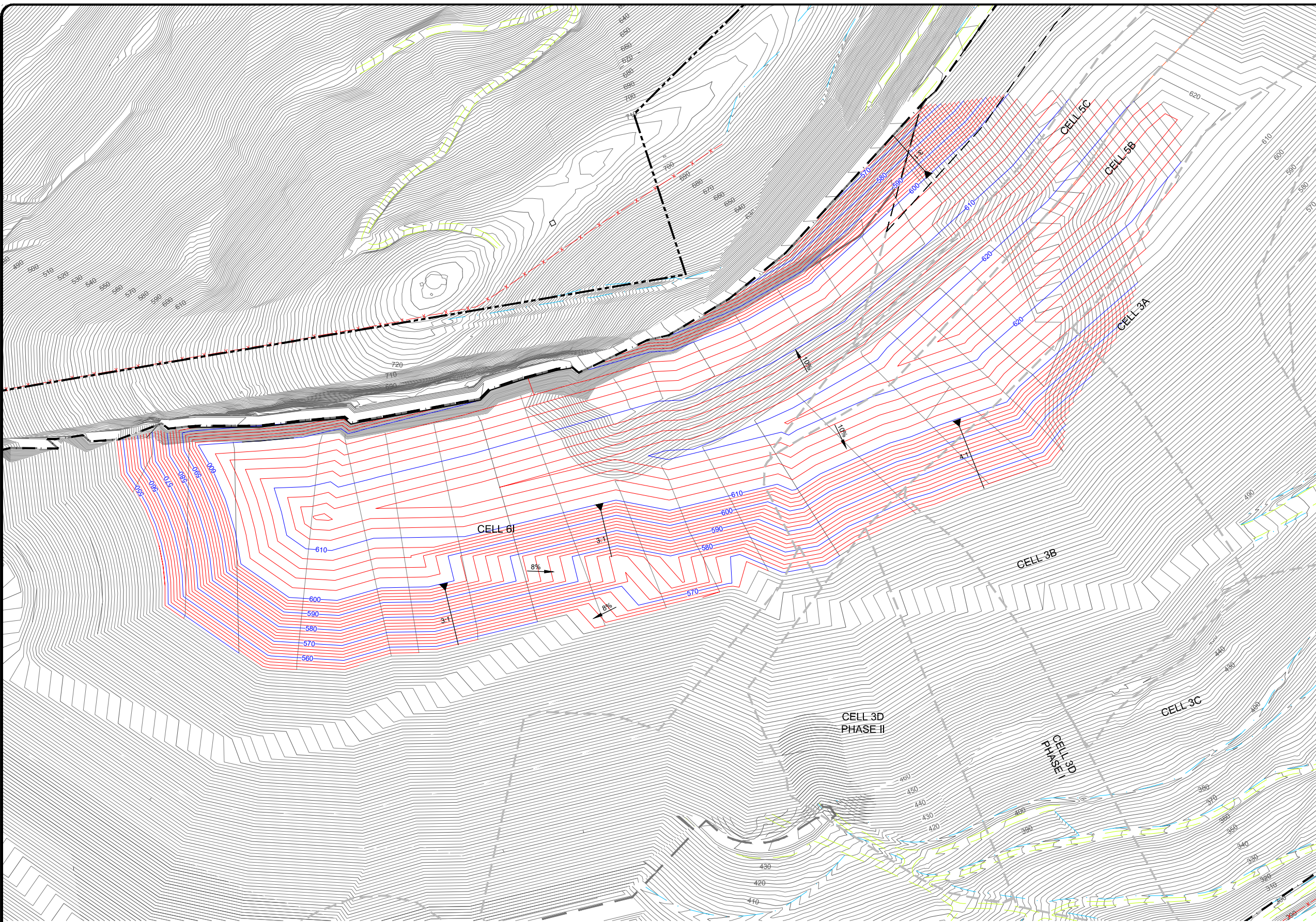
VALLEY LANDFILLS, INC.



COFFIN BUTTE LANDFILL
SITE DEVELOPMENT PLAN
 BENTON COUNTY, OREGON
 CELL 6H FILL & CELL 6I SHINGLE

DRAWING NO. C10
PROJECT NO. AU20.1210

N:\COFFIN BUTTE\AU20.1211 - SITE DEVELOPMENT PLAN (SDP)\15_ENGINEERING\1_CIVILDRAWINGS\C11 CELL 6I FILL.DWG December 30, 2021 - 2:22 PM BY: GLA USER



LEGEND

- 300 — EXISTING 10' CONTOUR⁽¹⁾
- 200 — EXISTING 2' CONTOUR⁽¹⁾
- 300 — PROPOSED 10' WASTE FILL CONTOUR
- 200 — PROPOSED 2' WASTE FILL CONTOUR
- x - x - EXISTING FENCE
- — EXISTING PAVED ROAD
- — EXISTING UNPAVED ROAD
- — EXISTING DRAINAGE
- - - EXISTING LINER LIMITS
- — PROPOSED CELL 6 LINER
- - - PREVIOUS CELL 6 LINER
- - - PROPERTY LINE
- - - FUTURE LANDFILL FOOTPRINT
- - - FUTURE CELL BOUNDARY

QUANTITIES

CELL 6I
 WASTE FILL VOLUME = 1,622,128 CY
 CUMULATIVE WASTE FILL VOLUME = 18,645,280 CY

NOTES

1. REFERENCE AERIAL TOPOGRAPHY BASED ON MARCH 30, 2021 AERIAL SURVEY PERFORMED BY COOPER AERIAL SURVEYS COMPANY.
2. WASTE FILL VOLUMES EXCLUDE UNDERDRAIN, SLCRS, PLCS, AND OPERATIONS SOIL VOLUMES.

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 APPROVED BY: AO



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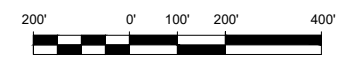
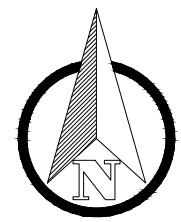
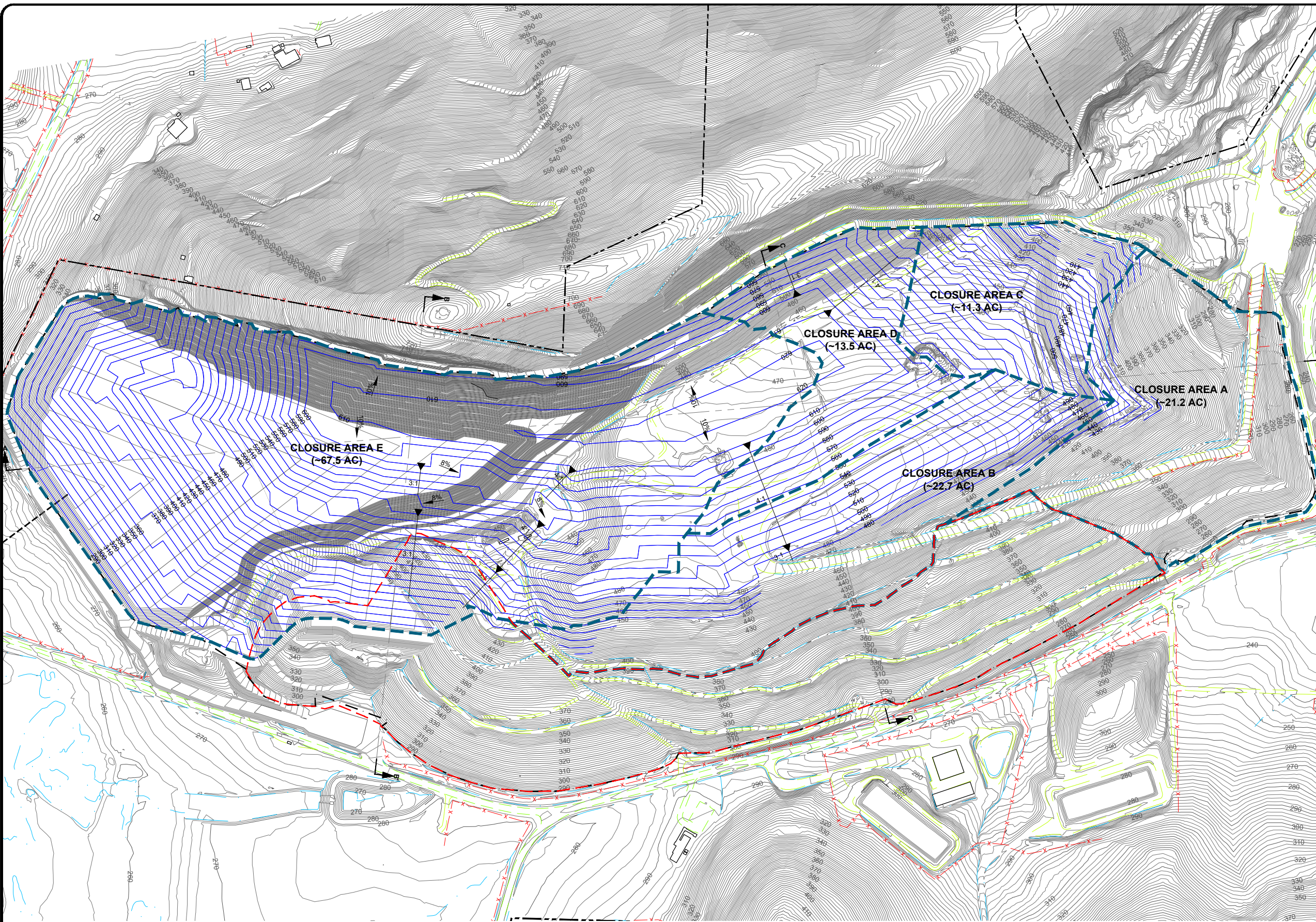
VALLEY LANDFILLS, INC.



COFFIN BUTTE LANDFILL
SITE DEVELOPMENT PLAN
 BENTON COUNTY, OREGON
 CELL 6I FILL

DRAWING NO.
C11
PROJECT NO.
 AU20.1210

N:\COFFIN BUTTE\AU20.1211 - SITE DEVELOPMENT PLAN (SDP)\J5_ENGINEERING\1_CIVILDRAWINGS\C12_FINAL_TOW.DWG December 30, 2021 - 11:12 AM BY: GLA USER



LEGEND

- 300 — EXISTING 10' CONTOUR⁽¹⁾
- 2' — EXISTING 2' CONTOUR⁽¹⁾
- 300 — PROPOSED 10' WASTE FILL CONTOUR
- x - x - EXISTING FENCE
- — EXISTING PAVED ROAD
- — EXISTING UNPAVED ROAD
- — EXISTING DRAINAGE
- - - EXISTING CLOSURE AREA
- - - PROPOSED CLOSURE AREA
- - - PROPERTY LINE
- - - LANDFILL FOOTPRINT

NOTES

1. REFERENCE AERIAL TOPOGRAPHY BASED ON MARCH 30, 2021 AERIAL SURVEY PERFORMED BY COOPER AERIAL SURVEYS COMPANY.
2. WASTE FILL VOLUMES EXCLUDE UNDERDRAIN, SLCRS, PLCS, AND OPERATIONS SOIL VOLUMES.

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DRAWN BY:	RPB
CHECKED BY:	JVR
APPROVED BY:	AO



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geo-logic.com | 541.678.5733

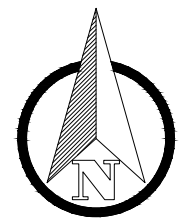
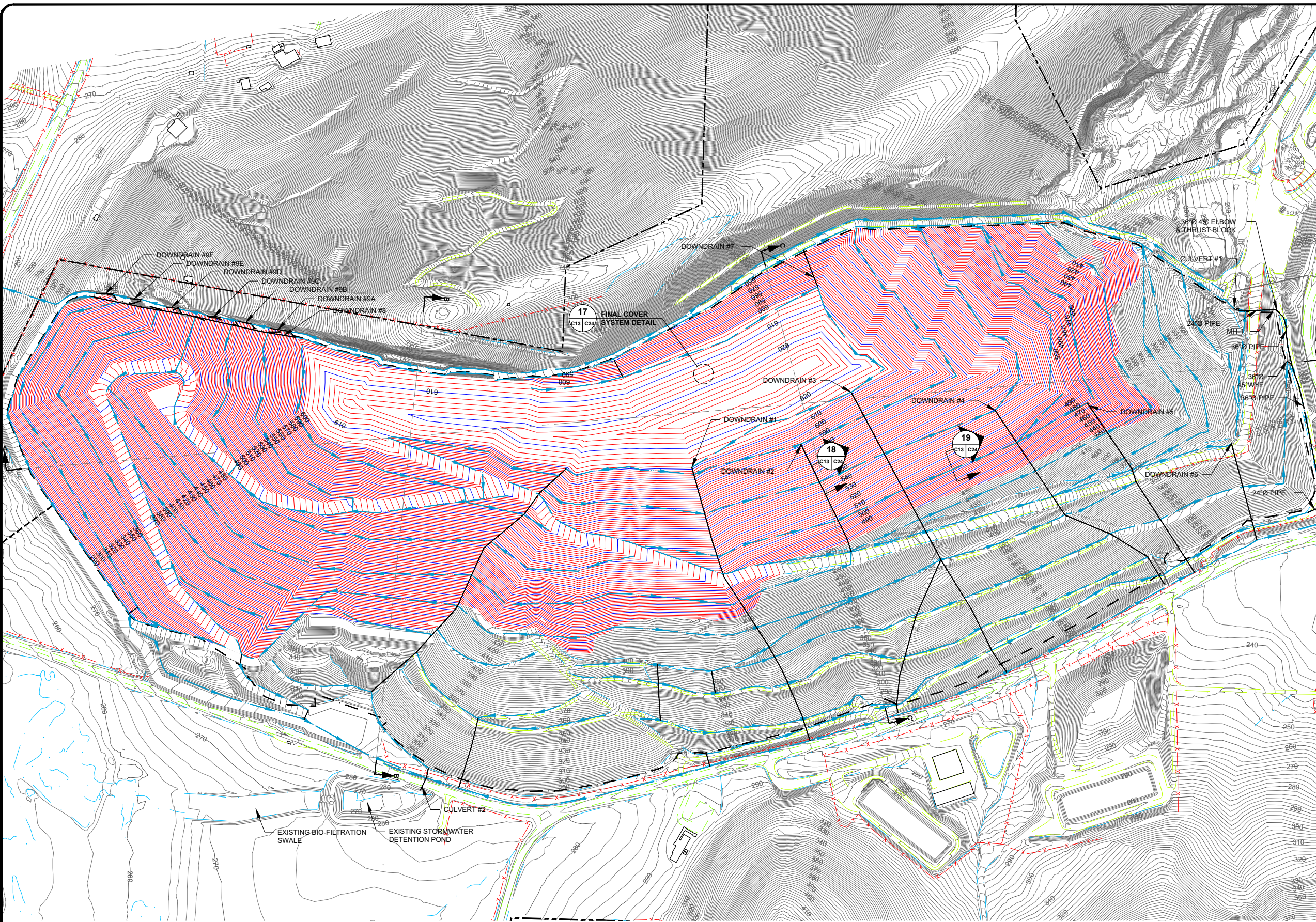
VALLEY LANDFILLS, INC.



COFFIN BUTTE LANDFILL
SITE DEVELOPMENT PLAN
BENTON COUNTY, OREGON
TOP OF INTERIM WASTE & CLOSURE PLAN

DRAWING NO.
C12
PROJECT NO.
AU20.1210

N:\COFFIN BUTTE\AU20.1211 - SITE DEVELOPMENT PLAN (SDP)\5. ENGINEERING\1. CIVILDRAWINGS\C13 DRAINAGE PLAN\DWG December 30, 2021 - 11:10 AM BY: GLA USER



LEGEND

- 300 — EXISTING 10' CONTOUR⁽¹⁾
- 300 — EXISTING 2' CONTOUR⁽¹⁾
- 300 — PROPOSED 10' FINAL COVER CONTOUR
- 300 — PROPOSED 2' FINAL COVER CONTOUR
- — PROPOSED DRAINAGE PATH
- — PROPOSED CULVERT
- x - x - EXISTING FENCE
- — EXISTING PAVED ROAD
- — EXISTING UNPAVED ROAD
- — EXISTING DRAINAGE
- - - - PROPERTY LINE
- - - - LANDFILL FOOTPRINT

NOTES

1. REFERENCE AERIAL TOPOGRAPHY BASED ON MARCH 30, 2021 AERIAL SURVEY PERFORMED BY COOPER AERIAL SURVEYS COMPANY.
2. WASTE FILL VOLUMES EXCLUDE UNDERDRAIN, SLCRS, PLCS, AND OPERATIONS SOIL VOLUMES.

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ISSUED AS 2021 PERMIT UPDATE

REV. NO.	DATE	DESCRIPTION	APPROVED BY
0	12/30/21	ISSUED AS 2021 PERMIT UPDATE	AO

DATE OF ISSUE:	12/30/2021
DESIGNED BY:	RPB/AO
DRAWN BY:	RPB
CHECKED BY:	JVR
APPROVED BY:	AO



803 SW Industrial Way, Suite 211, Bend, OR 97702
geo-logic.com | 541.678.5733

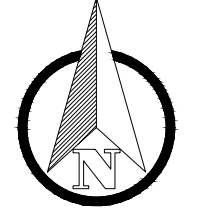
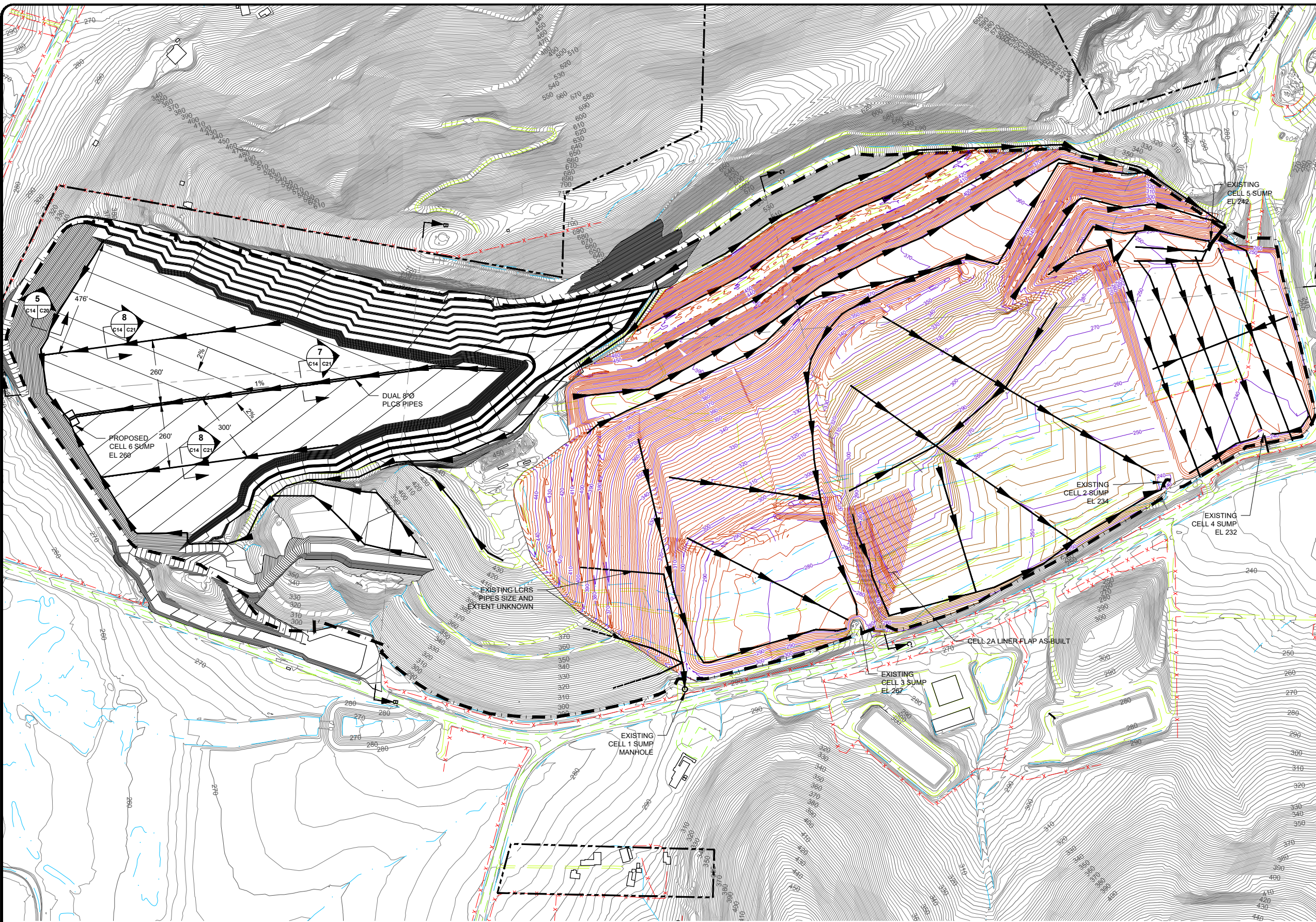
VALLEY LANDFILLS, INC.



COFFIN BUTTE LANDFILL
SITE DEVELOPMENT PLAN
BENTON COUNTY, OREGON
FINAL COVER & DRAINAGE PLAN

DRAWING NO.
C13
PROJECT NO.
AU20.1210

N:\COFFIN BUTTE\AU20.1211 - SITE DEVELOPMENT PLAN (SDP)\5. ENGINEERING\1. CIVIL\DRAWINGS\C14 LEACHATE COLLECTION PLAN.DWG December 29, 2021 - 5:07 PM BY: GLA USER



LEGEND

- 300 — EXISTING 10' CONTOUR⁽¹⁾
- 200 — EXISTING 2' CONTOUR⁽¹⁾
- 300 — PROPOSED 10' SUBGRADE CONTOUR
- 200 — PROPOSED 2' SUBGRADE CONTOUR
- 300 — EXISTING 2' AS-BUILT OPERATIONS LAYER CONTOUR⁽²⁾
- 200 — EXISTING 10' AS-BUILT OPERATIONS LAYER CONTOUR⁽²⁾
- x - x - EXISTING FENCE
- — EXISTING PAVED ROAD
- — EXISTING UNPAVED ROAD
- — EXISTING DRAINAGE
- — EXISTING LINER LIMITS
- — PROPOSED/EXISTING LCRS PIPE
- — LANDFILL LIMIT
- — PROPERTY LINE

NOTES

1. REFERENCE AERIAL TOPOGRAPHY BASED ON MARCH 30, 2021 AERIAL SURVEY PERFORMED BY COOPER AERIAL SURVEYS COMPANY.
2. OPERATIONS LAYER CONTOURS BASED ON "COMPILED OVERALL OPERATIONS LAYER SURFACE" DRAWING BY GLA ON MAY 20, 2020.

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COFFIN BUTTE LANDFILL
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BENTON COUNTY, OREGON
LEACHATE COLLECTION PLAN

DRAWING NO.
C14
PROJECT NO.
AU20.1210