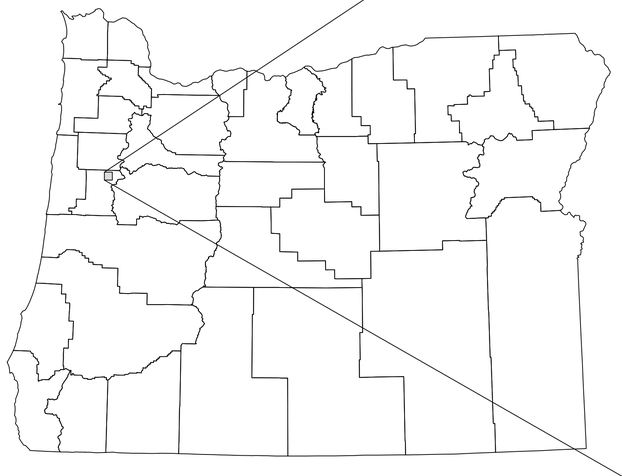
VALLEY LANDFILLS, INC.

COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
29175 COFFIN BUTTE ROAD
CORVALLIS, BENTON COUNTY, OREGON 97330

PREPARED FOR:

REPUBLIC SERVICES

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	BENTON COUNTY TAX LOTS & ZONING
2A	BENTON COUNTY TAX LOTS & ZONING
3	EXISTING CONDITIONS
4	DEMOLITION PLAN
5	OVERALL DEVELOPMENT PLAN
6	DEVELOPMENT AREA LAYOUT
7	COFFIN BUTTE ROAD PROPOSED RIGHTS-OF-WAY
8	LEFT TURN TRAFFIC PLAN
9	NORTH ROAD PLAN
10	PARKING INFRASTRUCTURE PLAN
11	DEVELOPMENT AREA TOP OF WASTE GRADES
12	DEVELOPMENT AREA PHASE 1
13	DEVELOPMENT AREA PHASE 2
14	TOP OF WASTE PHASE 1
15	TOP OF WASTE PHASE 2
16	TOP OF WASTE PHASE 3
17	TOP OF WASTE PHASE 4
18	STOCKPILE PLAN
19	LANDSCAPE PLAN
20	SOUTH STORMWATER BASIN
21	WETPOND-DETENTION POND COMBINATION PLAN
22	WETPOND-DETENTION POND COMBINATION PROFILES
23	STORMWATER PROFILES
24	STORMWATER PROFILES
25	CROSS-SECTIONS
26	CROSS-SECTIONS
27	TRAFFIC DETAILS
28	DEVELOPMENT DETAILS

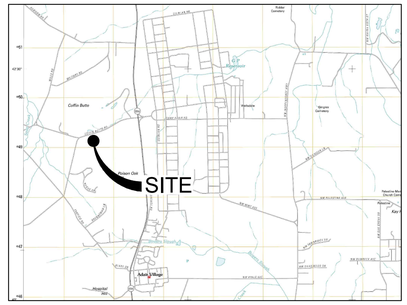


OREGON COUNTIES MAP
N.T.S.



SITE MAP

SCALE IN FEET
0 600 1200



U.S.G.S. MAP

U.S.G.S 7.5 MIN. TOPOGRAPHY MAP,
LEWISBURG QUADRANGLE, OR, DATED 2011

SCALE IN FEET
0 5000 10000

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2011
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

Civil & Environmental Consultants, Inc.

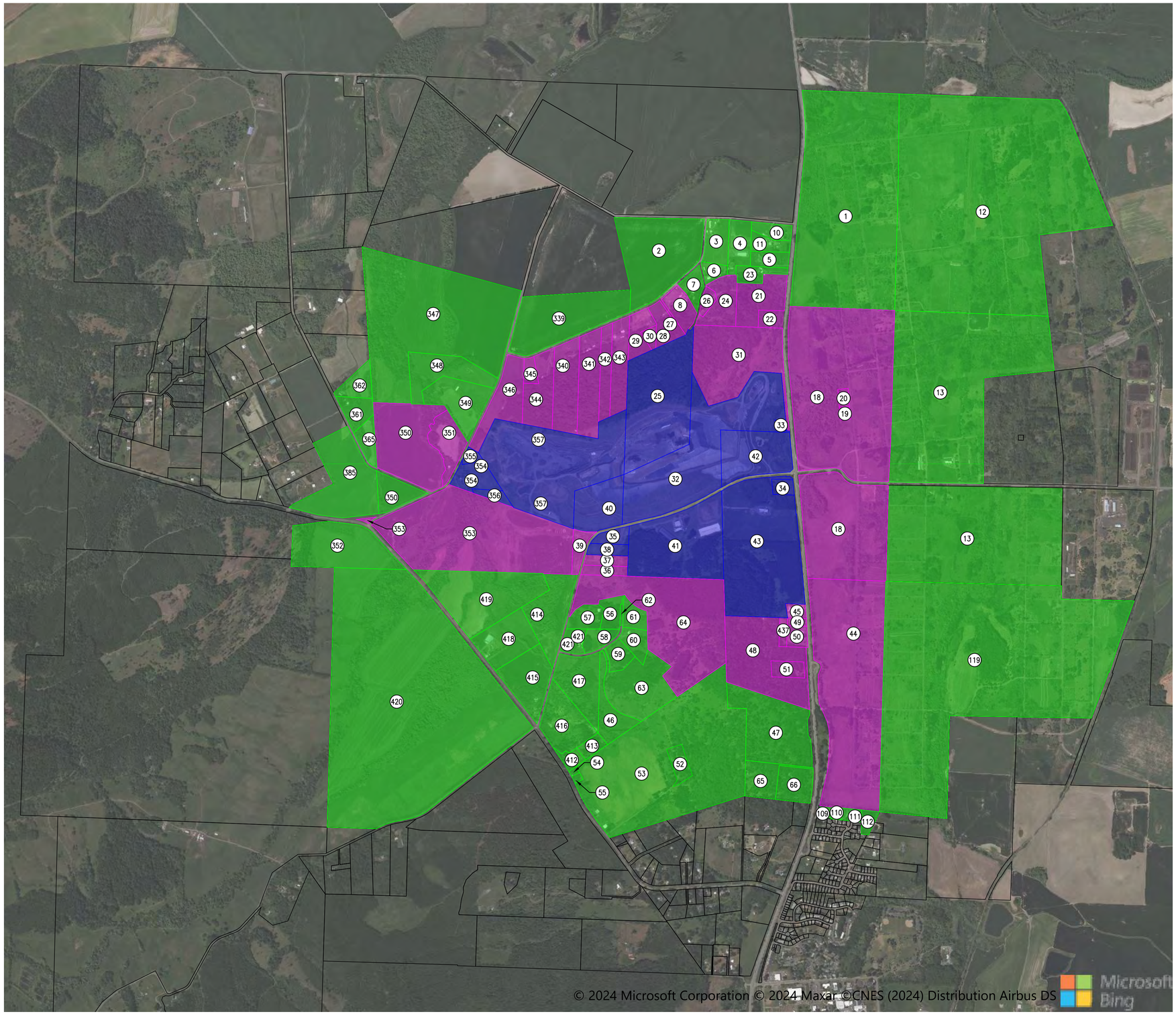
VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

COVER SHEET

DATE:	JANUARY 2025	DRAWN BY:	JS
DWG SCALE:	AS SHOWN	CHECKED BY:	JAS
PROJECT NO:			322-142
APPROVED BY:			JAS

DRAWING NO.: 1

P:\320-001\322-142\-CAD\Dwg\SW01\322142-SW01-1-Cover Sheet.dwg(1) LS(1/22/2025 - dbagwell) - LP: 1/30/2025 10:01 AM



LEGEND

- PROPERTY WITH LANDFILL OPERATIONS
- PROPERTY ADJACENT TO LANDFILL OPERATIONS
- PROPERTY ADJACENT TO ADJACENT PROPERTY

NORTH

SCALE IN FEET

0 1,000 2,000

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

Civil & Environmental Consultants, Inc.

VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

BENTON COUNTY TAX LOTS & ZONING

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
PROJECT NO:	322-142
DRAWN BY:	JS
CHECKED BY:	JAS
APPROVED BY:	JAS

DRAWING NO.: **2**

P:\320-0001\322-142\-CAD\Dwg\SW01\322142-SW01-2-Benton County Tax Lots Exhibit.dwg[2] LS(1/22/2025 - jshaw) - LP: 1/30/2025 10:02 AM

NO.	TAX LOT NO.	OWNER NAME	CURRENT ZONING
1	104070000100	OREGON STATE GAME COMMISSION	OS
2	104070000300	R B WEBBER DEVELOPMENT LLC	EFU
3	104070000400	WILFONG TRISHA M	RR-5
4	104070000500	BURDOCK GARLAND R	RR-5
5	104070000601	RINKER TRISTA M	RR-5
6	104070000700	CLEARY BRYCE LAWRENCE	RR-5
7	104070000800	SCOTT DARCI L	RR-5
8	104070000900	WHITE JASON BYRON & JULIE B	RR-5
10	104070001100	AMADOR MARIBEL	RR-5
11	104070001200	LEAVENWORTH EDYNE	RR-5
12	104080000100	OREGON STATE GAME COMMISSION	OS
13	104170000100	OREGON STATE GAME COMMISSION	OS
18	104180000100	OREGON STATE GAME COMMISSION	OS
19	104180000101	CONSUMERS POWER INC	OS
20	104180000102	BUREAU OF LAND MANAGEMENT	OS
21	104180000200	PELTIER REAL ESTATE CO	FC
22	104180000201	POWELL LYNN MAY & HEALD NATHAN LESLIE	FC
23	104180000202	GOETZINGER DALE L & MONA G	RR-5
24	104180000300	DUBIKIN ALEXANDRE & POLUSHKIN GLIKERIA	FC
25	104180000301	VALLEY LANDFILLS INC	FC
26	104180000400	DUBIKIN ALEXANDRE & POLUSHKIN GLIKERIA	RR-5
27	104180000500	YOUNG CAROLYN	RR-5
28	104180000600	YOUNG CAROLYN	RR-5
29	104180000700	HOCKEMA JOSEPH E & JASMINE L	RR-5
30	104180000701	HOCKEMA JOSEPH E & JASMINE L	RR-5
31	104180000800	OREGON STATE FISH & WILDLIFE	FC
32	104180000801	VALLEY LANDFILLS INC	FC
33	104180000900	VALLEY LANDFILLS INC	FC
34	104180001000	VALLEY LANDFILLS INC	FC
35	104180001101	VALLEY LANDFILLS INC	FC
36	104180001102	VALLEY LAND FILLS INC	FC
37	104180001103	PHILLIPS SAMUEL F & CHERYL G	FC
38	104180001104	VALLEY LANDFILLS INC	FC
39	104180001105	PELTIER REAL ESTATE CO	EFU
40	104180001106	VALLEY LANDFILLS INC	LS
41	104180001107	VALLEY LANDFILLS INC	LS
42	104180001108	VALLEY LANDFILLS INC	LS
43	104180001200	VALLEY LANDFILLS INC	FC
44	104190000100	OREGON STATE GAME COMMISSION	OS
45	104190000200	BRADLEY LOWELL THOMAS & MARY ERIN	RR-10
46	104190000301	HOLDORF CATHERINE E, TR	EFU
47	104190000400	TAMPICO RIDGE LLC	RR-10
48	104190000402	KIPPER ROBERT J & JULIE A, TR	RR-10
49	104190000500	GEIER JOEL E & REBECCA S SHERMAN	RR-10
50	104190000600	CRESS MERRILL	RR-10
51	104190000700	MORRELL JEFFREY J & PATRICIA D	RR-10
52	104190001700	CLAPP CYNTHIA R	EFU & RR-10
53	104190001800	KEN & SARAH EDWARDSSON RL TRUST	EFU
54	104190001801	SLABAUGH ROGER L & MICHELLE V	EFU
55	104190001900	HERNANDEZ VICTOR	EFU
56	10419B000300	PELTIER REAL ESTATE CO	RR-10

NO.	TAX LOT NO.	OWNER NAME	CURRENT ZONING
57	10419B000400	CARLIN KATHERYN L, TR	RR-10
58	10419B000500	FRAZIER STEVEN & DAVIS LUE ANN	RR-10
59	10419B000600	GIBBS LANCE A	RR-10
60	10419B001200	BARBARA FICK LIVING TRUST	RR-10
61	10419B001300	BARBARA FICK LIVING TRUST	RR-10
62	10419B001301	VALLEY LANDFILLS INC	RR-10
63	10419B001500	CATHERINE E HOLDORF LIVING TRUST	RR-10
64	10419B001600	VALLEY LANDFILLS INC	RR-10
65	10419D000100	POSTLEWAIT JACOB EDWARD & ELIZABETH REGA	RR-10
66	10419D000200	HOLMES RICHARD H & CHARLCY L	RR-10
109	10419DD03700	YANEZ ERIC & BETHANY J	RR-5
110	10419DD03800	LOPEZ OMAR GENARO	RR-5
111	10419DD03900	ANTONIO & ELIZABETH AMANDI REVOCABLE LIV	RR-5
112	10419DD04000	ANTONIO & ELIZABETH AMANDI REVOCABLE LIV	RR-5
119	104200000300	OREGON STATE GAME COMMISSION	OS
339	105130000100	R B WEBBER DEVELOPMENT LLC	EFU
340	105130000200	DAVID & DEBRA HACKLEMAN TRUST	FC
341	105130000201	DAVID & DEBRA HACKLEMAN TRUST	FC
342	105130000202	BERKLUND HARRISUE, TR	FC
343	105130000203	BERKLUND HARRISUE, TR	FC
344	105130000300	DENOMA JOHN T JR & SEARS DONNA J	FC
345	105130000301	SEARS ROLLIN & DONNA JEANNE	FC
346	105130000400	BRISKEY JOINT REVOCABLE LIVING TRUST	FC
347	105130000500	DAVID A PLANT TRUST	EFU
348	105130000501	MARCUM DONALD R JR	EFU
349	105130000502	LINDSEY RICHARD T & KAREN J	EFU
350	105130000600	WINN TERRILL JAMES & APRIL DOVE	EFU
351	105130000601	GOETZINGER DALE L & MONA G	EFU
352	105130000700	OSC	FC
353	105130000800	VALLEY LANDFILLS INC	EFU
354	105130000900	VALLEY LANDFILLS INC	EFU
355	105130000901	VALLEY LANDFILLS INC	EFU
356	105130000902	VALLEY LANDFILLS INC	EFU
357	105130001000	VALLEY LANDFILLS INC	LS
361	105140000105	HARLAN ANNE M	EFU
362	105140000107	EDWARD L PORTZ & JOANN PORTZ TRUST	EFU
365	105140000111	HARLAN ANNE M	EFU
385	105140001400	BUCKOVIC FAMILY TRUST	EFU
411	105230000100	OREGON STATE BOARD HIGHER ED	FC
412	105240000101	JOHNSON DEBORA LEE, TR	EFU
413	105240000102	JOHNSON DEBORA LEE, TR	EFU
414	105240000103	VALLEY LANDFILLS INC	EFU
415	105240000104	LABRASSEUR GEORGE F & YOLANDE	EFU
416	105240000105	MASON FAMILY LIVING TRUST	EFU
417	105240000106	HOLDORF CATHERINE E, TR	EFU
418	105240000190	STAHL DEE M & WAYNE A	EFU
419	105240000200	VALLEY LANDFILLS INC	EFU
420	105240000300	OREGON STATE BOARD HIGHER ED	FC
421	105240000400	FLAK TIMOTHY A & LIND GINA M	RR-10
437	104190000401	SEARLS JAMES CLUETT	RR-10

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2011
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

Civil & Environmental Consultants, Inc.

VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

BENTON COUNTY TAX LOTS & ZONING

DRAWN BY:	JS
CHECKED BY:	JAS
PROJECT NO:	322-142
APPROVED BY:	JAS
DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN

DRAWING NO.:
2A

P:\320-0001\322-142\-0A01\Dwg\SHT\322142-SHT1-2-Benton County Tax Lots Exhibit.dwg[2A] LS(1/22/2025 - jshah) - LP: 1/30/2025 10:02 AM



LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 EXISTING 10-FT CONTOUR
- EXISTING 2-FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- HERON ROOKERY AS SHOWN ON MAP BY ODF WILDLIFE BIOLOGIST DATED 08/23/21

NOTES

1. TAX LOT BOUNDARIES FROM BENTON COUNTY ZONING MAP PANEL 41047C0975G, DATED 01/19/2000 (TAX LOT BOUNDARIES MAY DIFFER FROM ZONING DATED 2021).

SITE SURVEY CONTROL POINTS

PANEL NO.	NORTHING	EASTING	ELEVATION
29	389787.88	7493044.19	359.97
501	384664.04	7495154.42	307.12
503	387388.81	7486318.48	261.23
504	387264.72	7490779.38	284.60
509	389487.43	7488509.98	266.65
510	384184.71	7489109.45	275.60
513	385754.19	7487796.28	263.88
514	388618.37	7486338.73	248.52
10506	387033.07	7494916.43	245.27
10507	389112.23	7494668.96	221.72
10511	391036.59	7494506.97	235.97

NORTH

SCALE IN FEET

0 400 800

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER 92360PE OREGON JULY 13, 2017 JEFF A. SHEPHERD

EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

Civil & Environmental Consultants, Inc.

VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

EXISTING CONDITIONS

DATE:	JANUARY 2025	DRAWN BY: JS
DWG SCALE:	AS SHOWN	CHECKED BY: JAS
PROJECT NO:	322-142	APPROVED BY: JAS

DRAWING NO.: 3

P:\320-005\322-142\-CADD\Dwg\SHT\322142-SHT1-Existing Conditions.dwg[1] 1:1(1/22/2025 - dbaptell) - LP: 1/30/2025 10:02 AM



REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

Civil & Environmental Consultants, Inc.

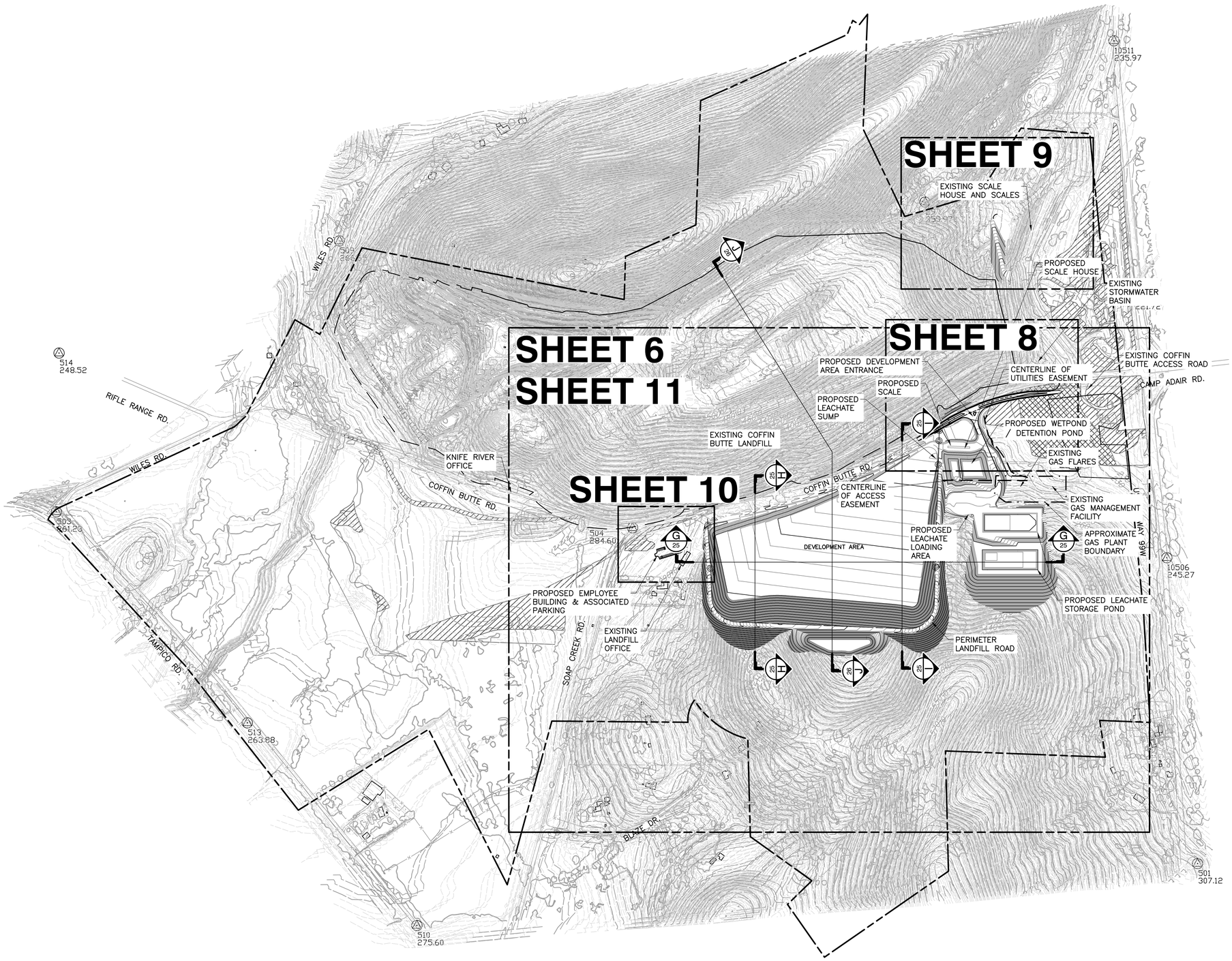
VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

DEMOLITION PLAN

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
PROJECT NO:	322-142
DRAWN BY:	JS
CHECKED BY:	JAS
APPROVED BY:	JAS

DRAWING NO.: **4**

P:\320-005\322-142\-CADD\Dwg\SW01\322142-SW01-4-Demolition Plan.dwg[4] LS(1:150/2025 - (Shepell) - LP: 1/30/2025 10:03 AM



LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- ZONING BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 EXISTING 10-FT CONTOUR
- EXISTING 2-FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 PROPOSED 10-FT CONTOUR

NOTES

1. TAX LOT BOUNDARIES FROM BENTON COUNTY ZONING MAP PANEL 41047C0975G, DATED 01/19/2000 (TAX LOT BOUNDARIES MAY DIFFER FROM ZONING DATED 2021).

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

Civil & Environmental Consultants, Inc.

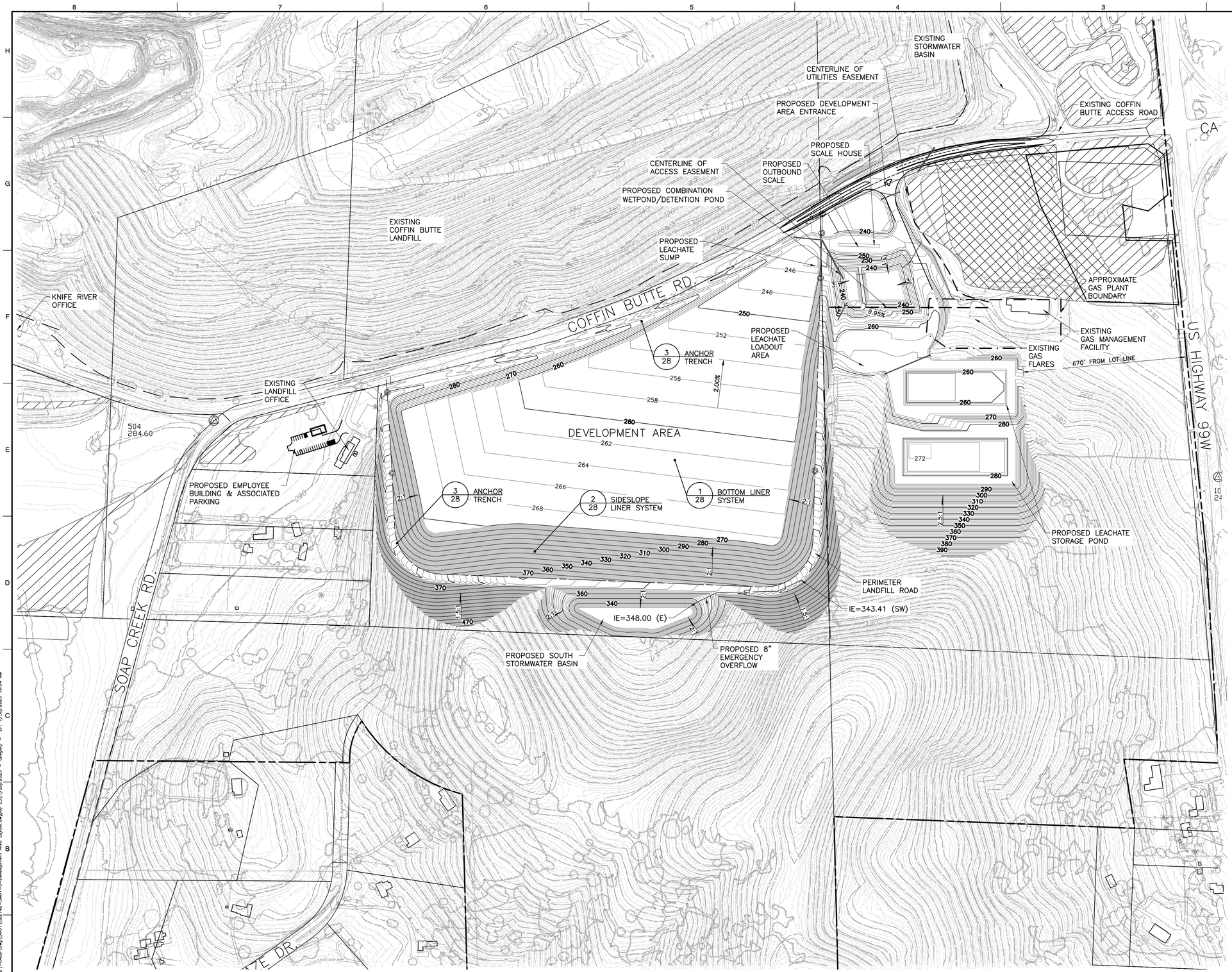
VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

OVERALL DEVELOPMENT PLAN

DATE:	JANUARY 2025
DRAWN BY:	JS
DWG SCALE:	AS SHOWN
CHECKED BY:	JAS
PROJECT NO:	322-142
APPROVED BY:	JAS

DRAWING NO.: 5

P:\322-000\322-142\~CAD\Dwg\SM01\322142-SM01-4-Overall Development Plan.dwg[5] LS\1/29/2025 - dwgapl - JS 1/29/2025 10:03 AM



LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- ZONING BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 EXISTING 10-FT CONTOUR
- EXISTING 2-FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 PROPOSED 10-FT CONTOUR
- 254 PROPOSD 2-FT CONTOUR

NOTES

1. TAX LOT BOUNDARIES FROM BENTON COUNTY ZONING MAP PANEL 41047C0975G, DATED 01/19/2000 (TAX LOT BOUNDARIES MAY DIFFER FROM ZONING DATED 2021).
2. PERIMETER LANDFILL ROAD WILL ONLY BE FOR PICKUP TRUCKS OR SMALLER VEHICLES.

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

2356 Gold Meadow Way
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Ph: 916.503.0050
www.cecinc.com

Civil & Environmental Consultants, Inc.

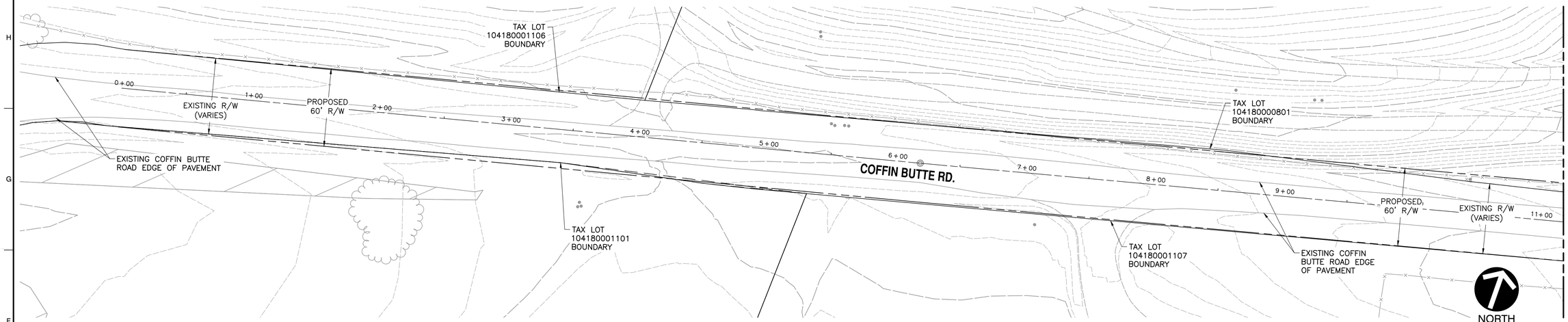
VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

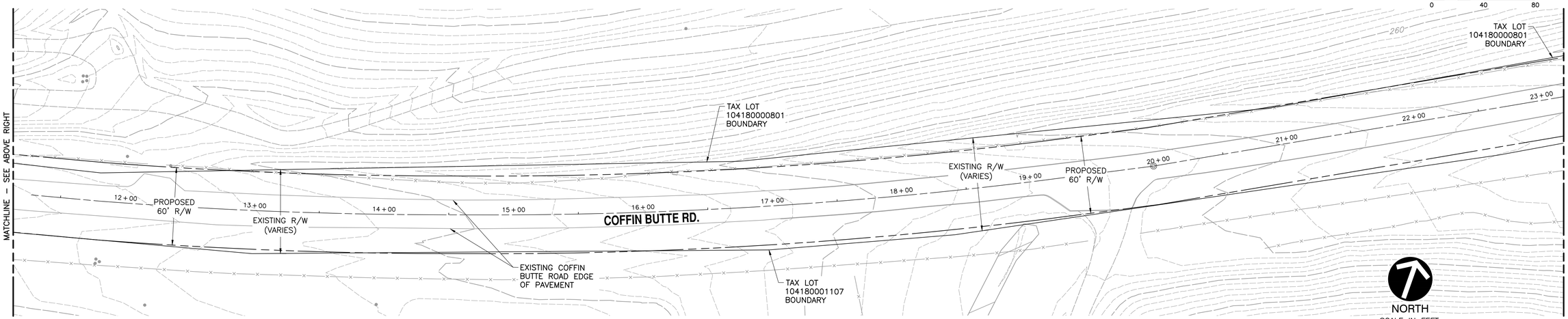
DEVELOPMENT AREA LAYOUT

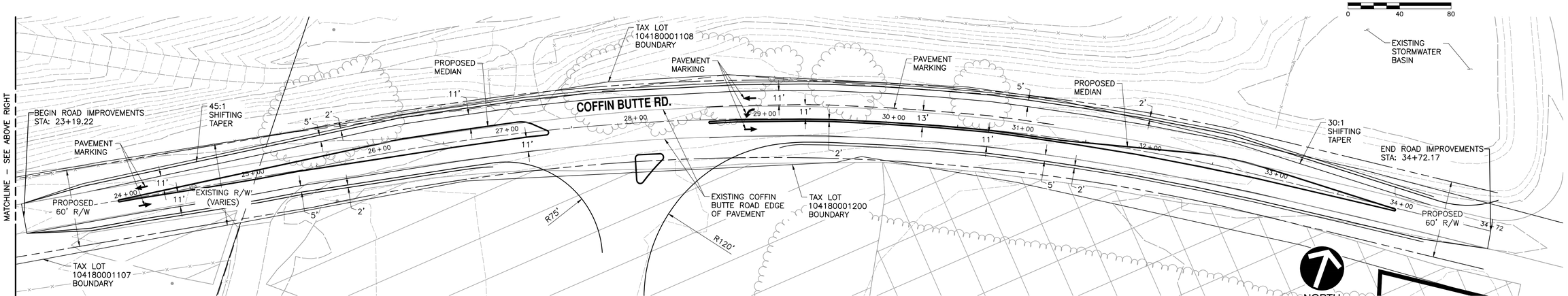
DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
PROJECT NO:	322-142
DRAWN BY:	JS
CHECKED BY:	JAS
APPROVED BY:	JAS

DRAWING NO.: 6

P:\320-0001\322-1421-CAD\Dwg\SWD\322142-SWD1-5-Development Area Layout.dwg[6] 1:5(1/28/2025 - dbagwell) - LP: 1/30/2025 10:04 AM







LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- ZONING BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 EXISTING 10–FT CONTOUR
- EXISTING 2–FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 PROPOSED 10–FT CONTOUR
- 254 PROPOSD 2–FT CONTOUR
- PROPOSED R/W

NOTES:

1. AS SHOWN ON THIS DRAWING THERE IS ESSENTIALLY AN EXISTING 60–FOOT RIGHT–OF–WAY FOR COFFIN BUTTE ROAD AS THAT IS THE DISTANCE BETWEEN TAX LOTS.
2. THE EXISTING COFFIN BUTTE ROAD PAVEMENT UTILIZES APPROXIMATELY 30–FEET OF THE 60–FOOT RIGHT–OF–WAY.
3. THE FUTURE ROADWAY EXPANSION WILL BE WITHIN THAT EXISTING 60–FOOT RIGHT–OF–WAY.
4. ALL EXISTING UTILITY INFRASTRUCTURE, SUCH AS STORMWATER DRAINAGE AND ELECTRICAL, WILL REMAIN WITHIN THE 60–FOOT RIGHT–OF–WAY.

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

Civil & Environmental Consultants, Inc.

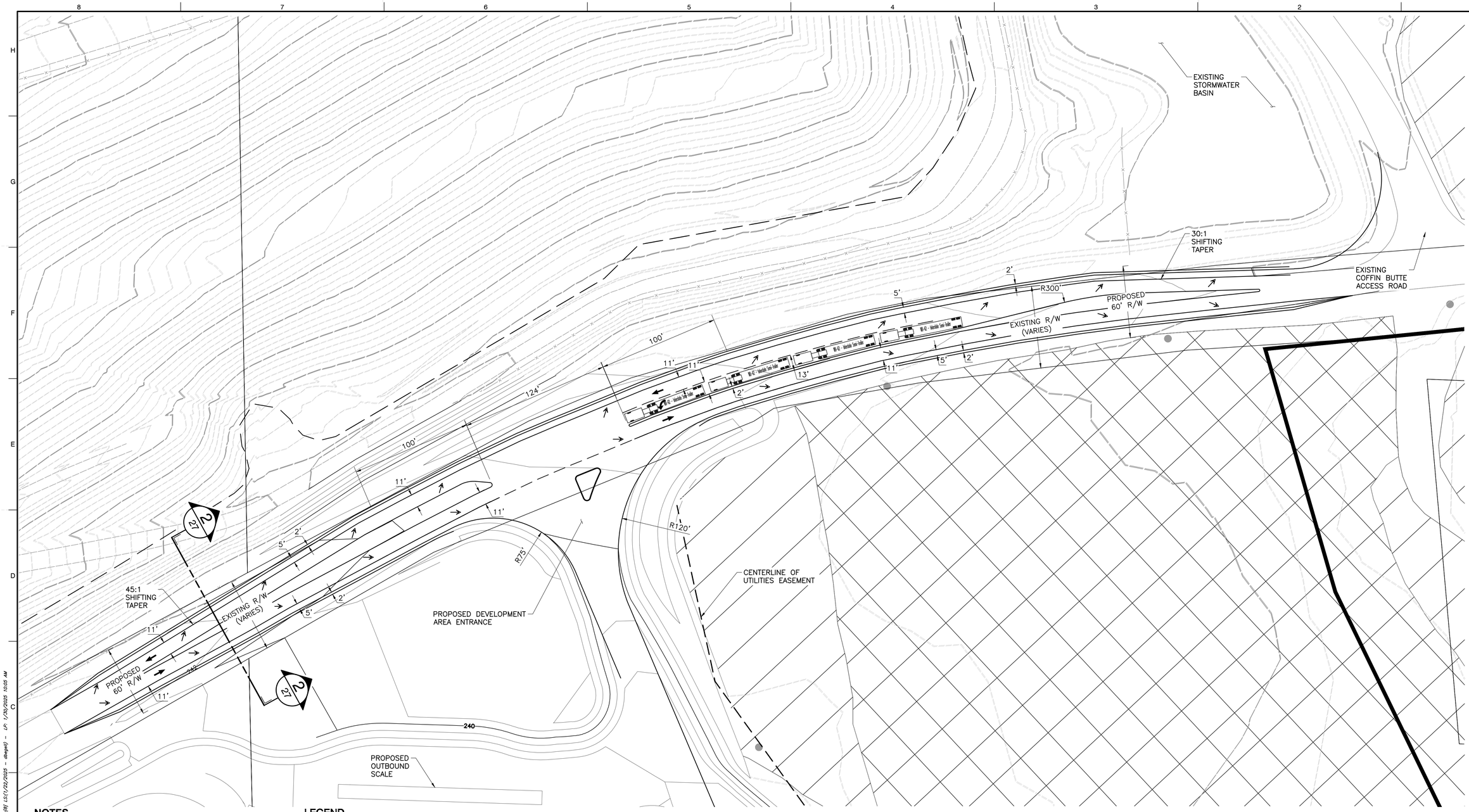
VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

COFFIN BUTTE ROAD
PROPOSED RIGHTS-OF-WAY

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
PROJECT NO:	322-142
DRAWN BY:	JS
CHECKED BY:	JAS
APPROVED BY:	JAS

DRAWING NO.: 7

P:\320-000\322-142\-CADD\Dwg\SW01\322142-SW01-7-Proposed Coffin Butte Road ROW.dwg[ROW EXHIBIT] LS(1/22/2025 - dbwgel) - LP, 1/30/2025 10:05 AM



NOTES

1. LEFT TURN CHANNELIZATION BASED ON STATE OF OREGON DEPARTMENT OF TRANSPORTATION HIGHWAY DESIGN MANUAL FIGURE 8-9 FOR A DESIGN SPEED OF 40 MPH.
2. THE ADDITIONAL IMPERVIOUS AREA ADDED DUE TO THE ROAD WIDENING WILL BE APPROXIMATELY 0.65 ACRES.
3. STORMWATER RUNOFF WILL BE CAPTURED IN DRAINAGE CHANNELS OR CULVERT PIPES AND DIRECTED TO THE EXISTING STORMWATER BASIN ON NORTHWEST CORNER OF COFFIN BUTTE ROAD AND THE ENTRANCE TO COFFIN BUTTE LANDFILL.

LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- ZONING BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 EXISTING 10-FT CONTOUR
- EXISTING 2-FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 PROPOSED 10-FT CONTOUR
- 254 PROPOSD 2-FT CONTOUR

NORTH

SCALE IN FEET
0 40 80

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

Civil & Environmental Consultants, Inc.
2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

LEFT TURN TRAFFIC PLAN

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
PROJECT NO.:	322-142
DRAWN BY:	JS
CHECKED BY:	JAS
APPROVED BY:	JAS

DRAWING NO.: **8**

P:\320-000\322-142\-CADD\Dwg\SHT01\322142-SHT01-7-Left Turn Traffic Plan.dwg(8) LS(1/22/2025 - dbegel) - LP: 1/30/2025 10:03 AM

RESIDENTIAL
DROP–OFF AREA

EXISTING SCALE HOUSE
AND SCALES

SEE DETAIL ON
THIS SHEET

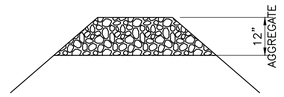
PROPOSED RAMP FOR
TRUCKS GOING TO
DEVELOPMENT AREA

29
359.97

270
280
270
280
250

LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- ZONING BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 EXISTING 10–FT CONTOUR
- EXISTING 2–FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 PROPOSED 10–FT CONTOUR
- 254 PROPOSD 2–FT CONTOUR



ROAD CROSS-SECTION DETAIL
N.T.S

NORTH

SCALE IN FEET
0 60 120

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

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Civil & Environmental Consultants, Inc.

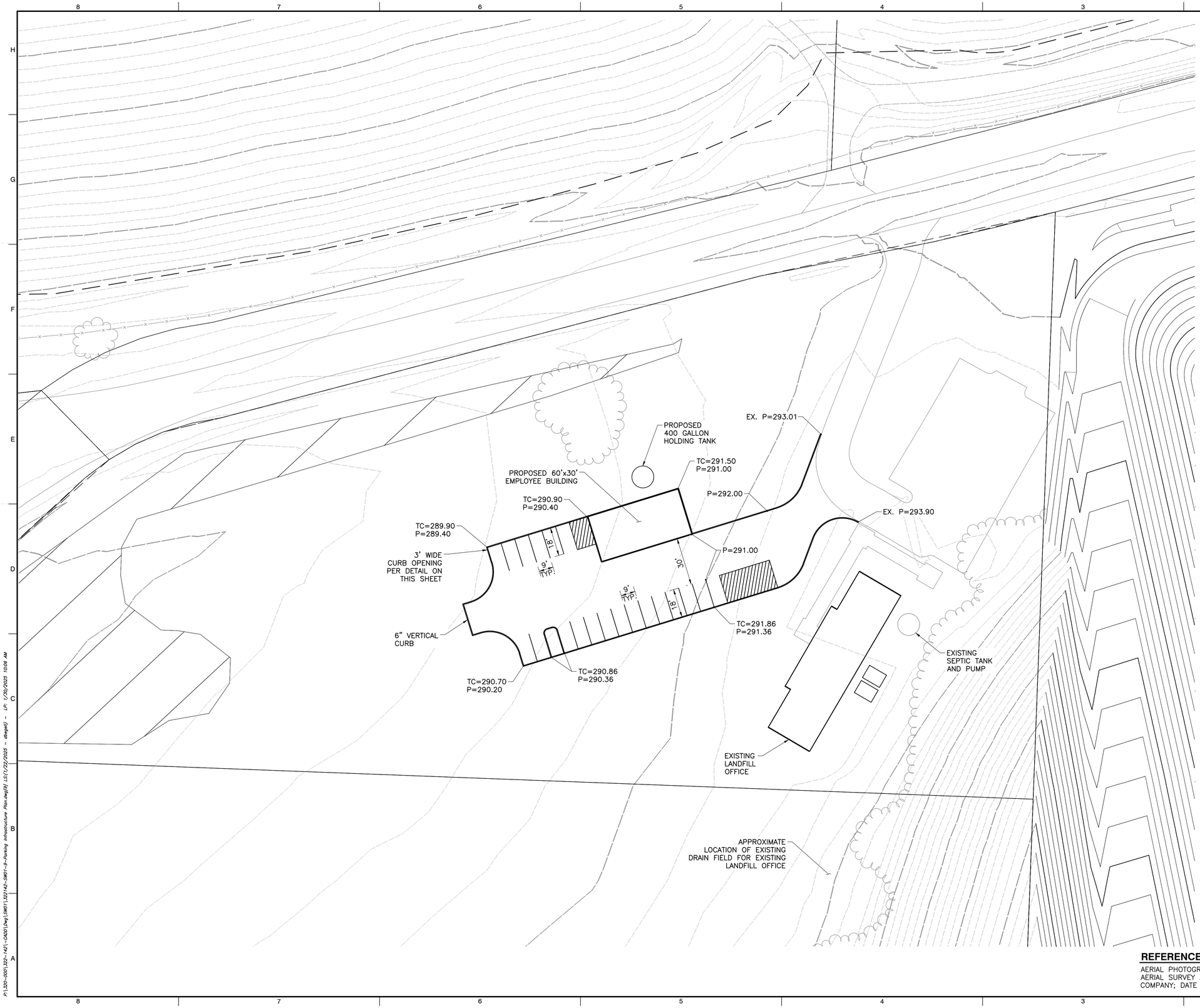
VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

NORTH ROAD PLAN

DATE:	JANUARY 2025	DRAWN BY:	JS
DWG SCALE:	AS SHOWN	CHECKED BY:	JAS
PROJECT NO:		322-142	
APPROVED BY:			JAS

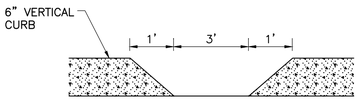
DRAWING NO.:
9

P:\320-001\322-142\-CAD\Dwg\3901\322142-3901-B-North Road Plan.dwg[B] LS(1/22/2025 - dbegal) - LP: 1/30/2025 10:06 AM



LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- ZONING BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 EXISTING 10–FT CONTOUR
- EXISTING 2–FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 PROPOSED 10–FT CONTOUR
- 254 PROPOSD 2–FT CONTOUR



CURB OPENING DETAIL
N.T.S

NOTE

1. PROPOSED HOLDING TANK TO BE PUMPED AS REQUIRED.
2. POTABLE WATER WILL BE OBTAINED FROM ON–SITE WATER WELL.
3. APPROXIMATELY 30 PEOPLE WILL BE USING THE LOCKER ROOM.
4. PROPOSED HOLDING TANK WILL BE DESIGNED IN ACCORDANCE WITH BENTON COUNTY OREGON REGULATIONS AT THE TIME WHEN A BUILDING / PLUMBING PERMIT IS OBTAINED FOR THE PROPOSED EMPLOYEE BUILDING.

NORTH

SCALE IN FEET
0 30 60

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2011
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

Civil & Environmental Consultants, Inc.

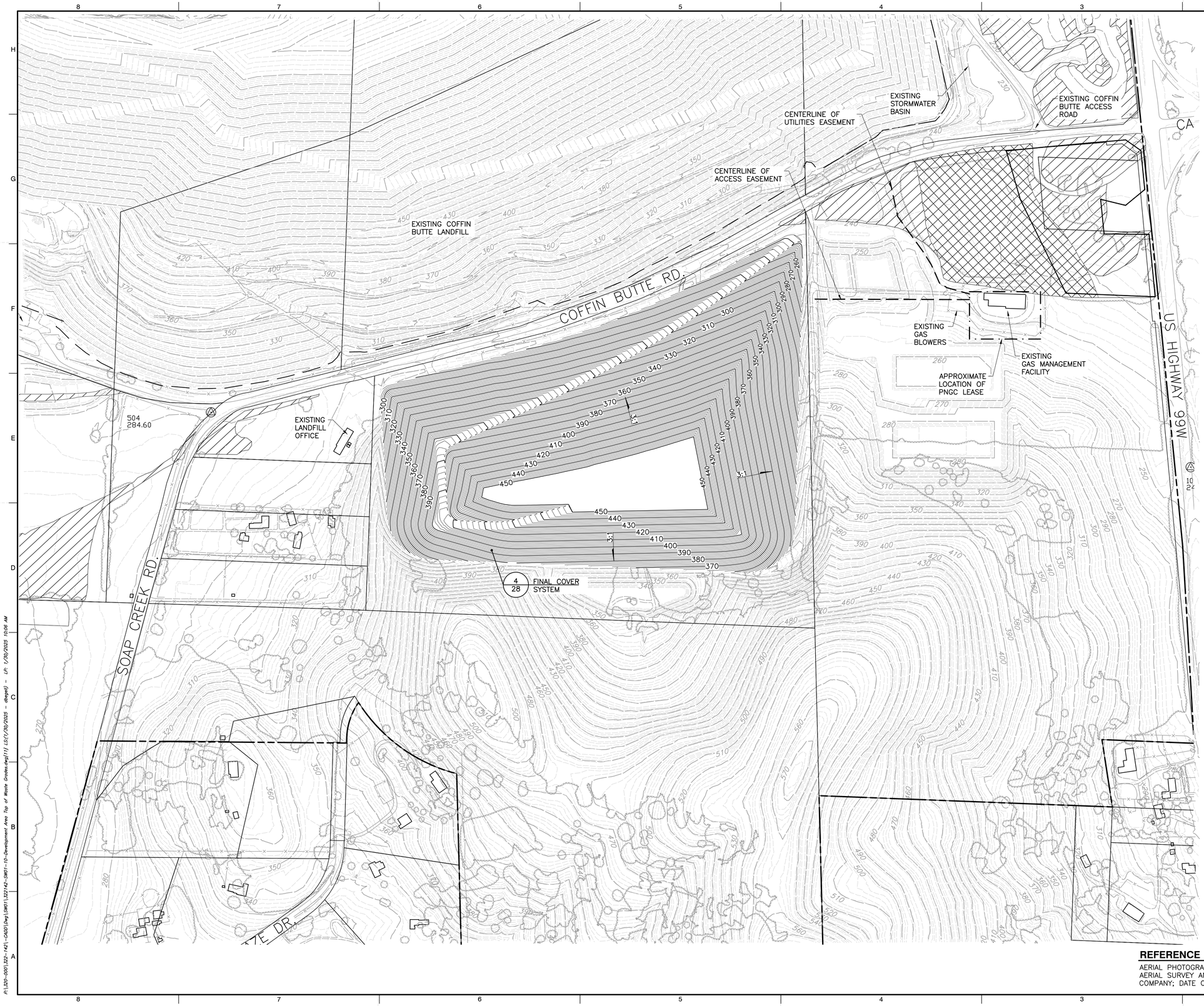
VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

PARKING INFRASTRUCTURE PLAN

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
PROJECT NO.:	322-142
DRAWN BY:	JS
CHECKED BY:	JAS
APPROVED BY:	JAS

DRAWING NO.: **10**

P:\320-001\322-142\-CAD\Dwg\SWD\322142-SWD1-3-Parking Infrastructure Plan.dwg(B) LS(1/22/2025 - dbagell) - LP: 1/30/2025 10:08 AM



LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 EXISTING 10-FT CONTOUR
- EXISTING 2-FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 PROPOSED 10-FT TOP OF WASTE CONTOUR
- 254 PROPOSD 2-FT TOP OF CONTOUR

NOTES

1. TAX LOT BOUNDARIES FROM BENTON COUNTY ZONING MAP PANEL 41047C0975G, DATED 01/19/2000 (TAX LOT BOUNDARIES MAY DIFFER FROM ZONING DATED 2021).
2. PERIMETER LANDFILL ROAD WILL ONLY BE FOR PICKUP TRUCKS OR SMALLER VEHICLES.

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

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www.cecinc.com

VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

DEVELOPMENT AREA TOP OF WASTE GRADES

DATE:	JANUARY 2025	DRAWN BY:	JS
DWG SCALE:	AS SHOWN	CHECKED BY:	JAS
PROJECT NO:		322-142	
APPROVED BY:			JAS

DRAWING NO.: 11

P:\320-0001\322-142\-CAD\Dwg\SWD\322142-SWD1-110-Development Area Top of Waste Grades.dwg[11] LS(1/30/2025 - dlegall) - LP: 1/30/2025 10:06 AM



LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- ZONING BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 EXISTING 10–FT CONTOUR
- EXISTING 2–FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 PROPOSED 10–FT CONTOUR
- 254 PROPOSD 2–FT CONTOUR

NOTES

1. TAX LOT BOUNDARIES FROM BENTON COUNTY ZONING MAP PANEL 41047C0975G, DATED 01/19/2000 (TAX LOT BOUNDARIES MAY DIFFER FROM ZONING DATED 2021).
2. PERIMETER LANDFILL ROAD WILL ONLY BE FOR PICKUP TRUCKS OR SMALLER VEHICLES.

DEVELOPMENT AREA PHASE 1 (YEAR 1)

1. CUT VOLUME = 416,325 CY
   FILL VOLUME = 48,304 CY
   TOTAL VOLUME (CUT) = 368,021 CY

   THE LANDFILL CURRENTLY USES APPROXIMATELY 225,000 CY/YEAR FOR DAILY COVER.
2. AS THE EXCESS CUT MATERIAL IS REMOVED, IT WILL BE UTILIZED AS DAILY / INTERMEDIATE COVER. THE SLIGHT EXCESS WILL BE STORED IN VARIOUS LOCATIONS AROUND THE EXISTING LANDFILL.
3. ALL LANDFILL GAS UTILITIES / PIPES THAT CURRENTLY RUN BETWEEN THE EXISTING LANDFILL AND EXISTING GAS MANAGEMENT FACILITIES WILL EITHER REMAIN IN PLACE OR WILL BE REROUTED BASED ON DETAILED DESIGN THAT WILL BE SUBMITTED TO THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY.
4. ALL EXISTING LEACHATE PIPING WILL BE REMOVED WHEN THE EXISTING PONDS ARE REMOVED.
5. NEW LEACHATE PIPING TO THE NEW LEACHATE STORAGE PONDS WILL BE DESIGNED DURING THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY SOLID WASTE PERMIT APPLICATION. OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY WILL REVIEW AND APPROVE THE DESIGN OF THOSE PIPES.

NORTH

SCALE IN FEET
0 200 400

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

2356 Gold Meadow Way
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Gold River, CA 95670
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www.cecinc.com

Civil & Environmental Consultants, Inc.

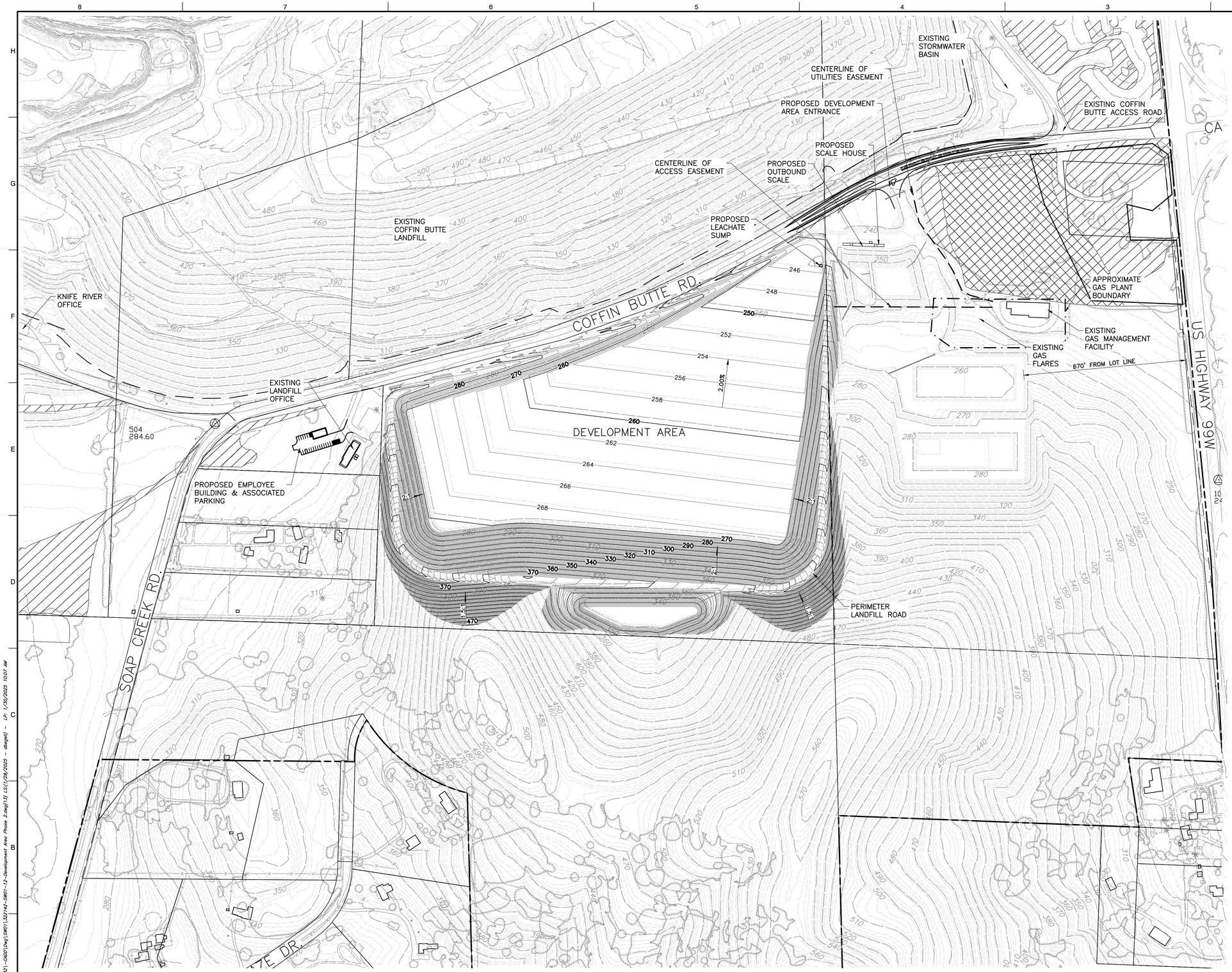
VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

DEVELOPMENT AREA PHASE 1

DATE:	JANUARY 2025
DRAWN BY:	JS
DWG SCALE:	AS SHOWN
CHECKED BY:	JAS
PROJECT NO:	322-142
APPROVED BY:	JAS

DRAWING NO.:
12

P:\320-0001.322-1421-GA00\dwg\SWD\322142-SWD-11-Development Area Phase 1.dwg[12] LS(1/28/2025 - dwgspl) - JS 2/7/2025 8:12 AM



LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- ZONING BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 EXISTING 10–FT CONTOUR
- EXISTING 2–FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 PROPOSED 10–FT CONTOUR
- 254 PROPOSD 2–FT CONTOUR

NOTES

1. TAX LOT BOUNDARIES FROM BENTON COUNTY ZONING MAP PANEL 41047C0975G, DATED 01/19/2000 (TAX LOT BOUNDARIES MAY DIFFER FROM ZONING DATED 2021).
2. PERIMETER LANDFILL ROAD WILL ONLY BE FOR PICKUP TRUCKS OR SMALLER VEHICLES.

DEVELOPMENT AREA

1. CUT VOLUME = 3,254,107 CY
   FILL VOLUME = 107,454 CY
   TOTAL VOLUME (CUT) = 3,146,653 CY
2. EXCAVATION IN THE EXPANSION AREA WILL COMMENCE AS SOON AS POSSIBLE AFTER APPROVAL OF CUP.
3. THE LANDFILL WILL USE APPROXIMATELY 225,000 CY FOR DAILY COVER PER YEAR.
4. THE REMAINING PERMITTED CAPACITY IS APPROXIMATELY 14.5 MILLION CY, SO AT 15%, THE DAILY COVER REQUIREMENT IS APPROXIMATELY 2.2 MILLION CY.
5. CAPPING PROJECTS THAT WILL COMMENCE IN THE NEAR FUTURE WILL CONSUME APPROXIMATELY 500,000 CY.
6. REMAINING MATERIAL WILL BE STOCKPILED OR USED FOR ROAD CONSTRUCTION OR OTHER CONSTRUCTION ACTIVITIES.

NORTH

SCALE IN FEET
0 200 400

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO.	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

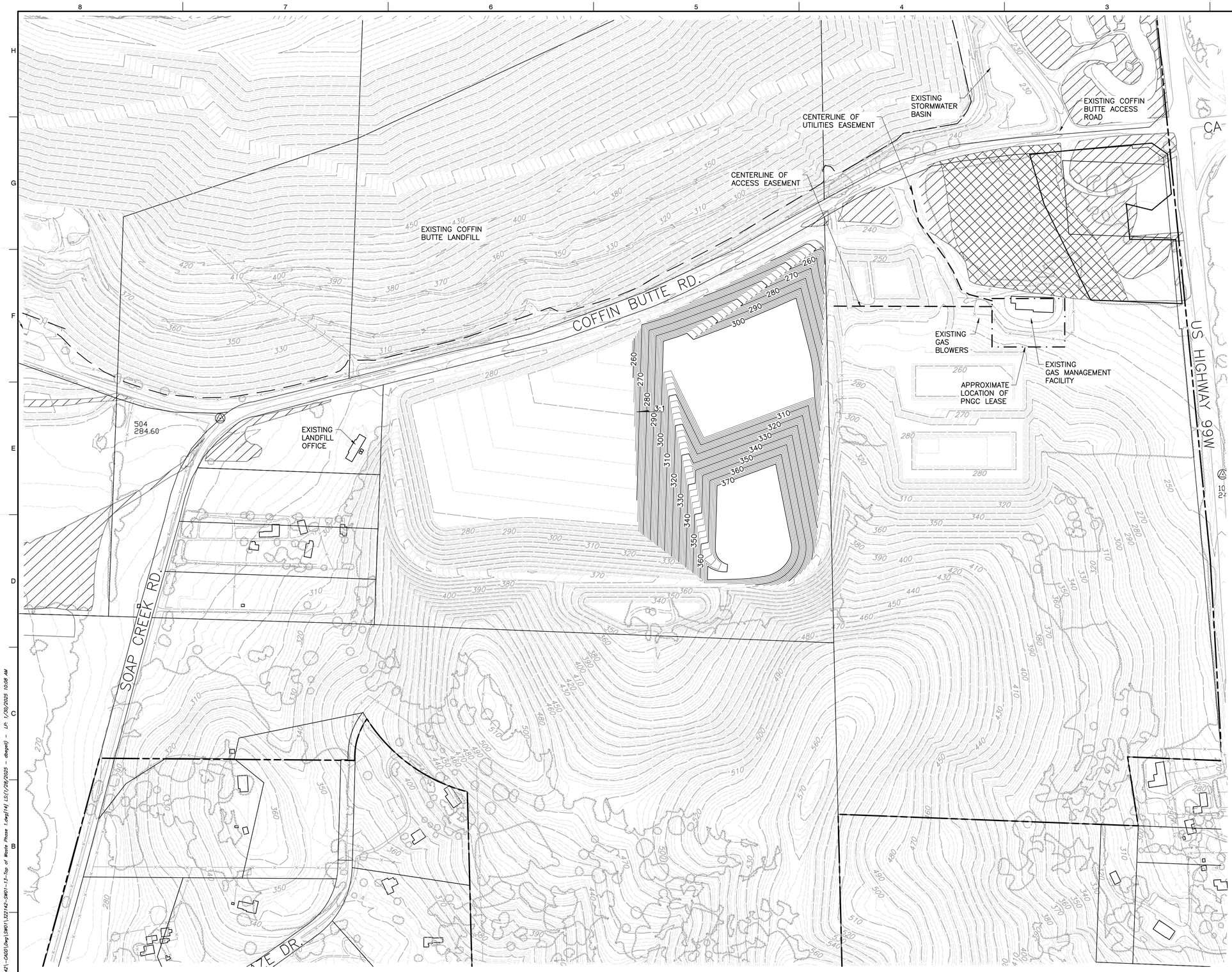
VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

DEVELOPMENT AREA PHASE 2

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
DRAWN BY:	JS
CHECKED BY:	JAS
PROJECT NO:	322-142
APPROVED BY:	JAS

DRAWING NO.: 13

P:\200-0300\322-142\CADD\Dwg\GMD\322142-GMD-12-Development Area Phase 2.dwg[13] LS1[28/2025 - @dgeil] - LP: 1/30/2025 10:07 AM



LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 — EXISTING 10-FT CONTOUR
- EXISTING 2-FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 — PROPOSED 10-FT TOP OF WASTE CONTOUR
- 254 — PROPOSD 2-FT TOP OF CONTOUR

NOTES

1. TAX LOT BOUNDARIES FROM BENTON COUNTY ZONING MAP PANEL 41047C0975G, DATED 01/19/2000 (TAX LOT BOUNDARIES MAY DIFFER FROM ZONING DATED 2021).
2. PERIMETER LANDFILL ROAD WILL ONLY BE FOR PICKUP TRUCKS OR SMALLER VEHICLES.
3. TIMELINE STARTS WHEN THE EXPANSION AREA HAS BEEN FULLY EXCAVATED AND LINED.

TOP OF WASTE PHASE 1 (YEAR 2)

1. FILL VOLUME = 1,500,000 CY

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

2356 Gold Meadow Way
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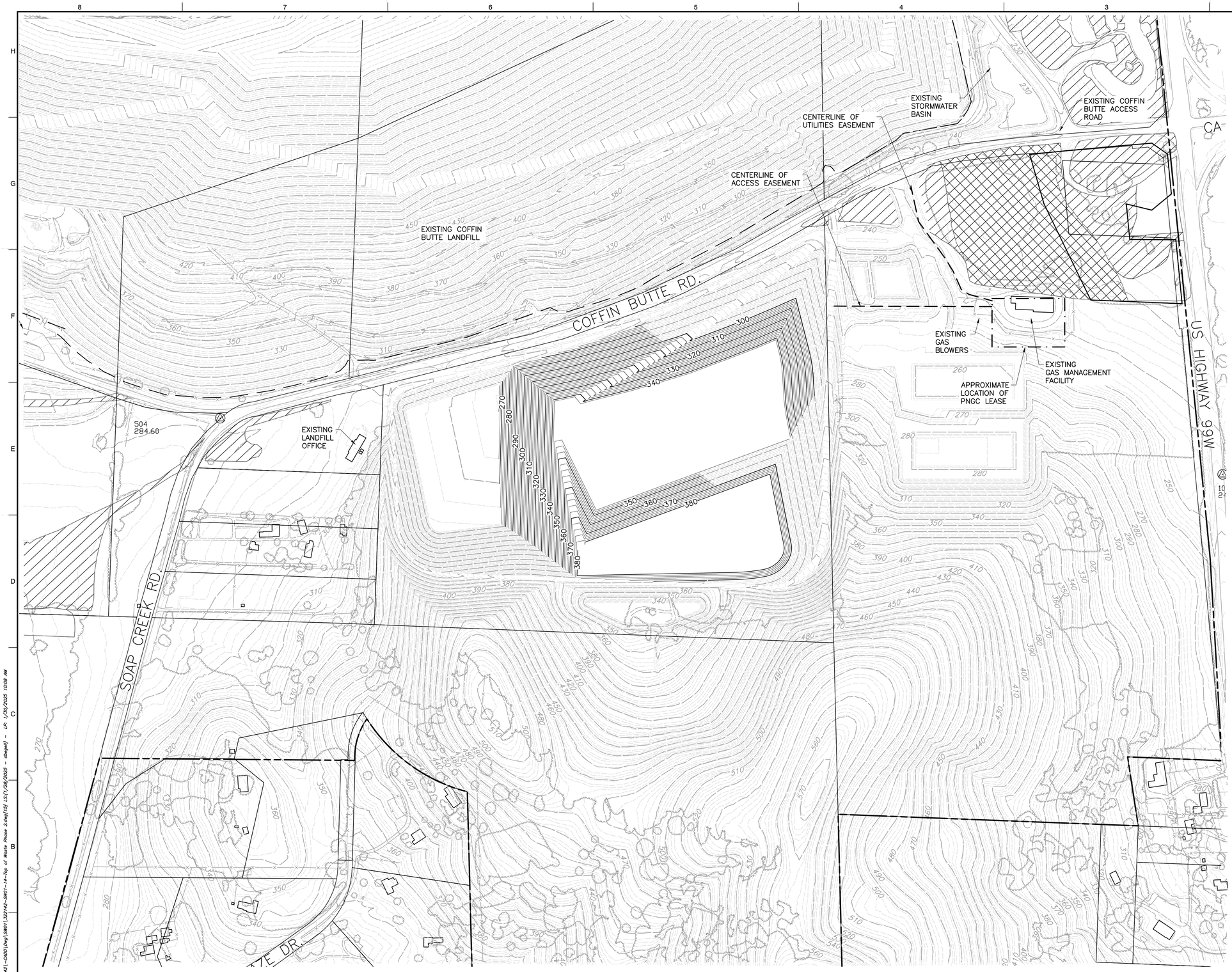
VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

TOP OF WASTE PHASE 1

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
PROJECT NO:	322-142
DRAWN BY:	JS
CHECKED BY:	JAS
APPROVED BY:	JAS

DRAWING NO.:
14

P:\320-0001\322-1421-0400\dwg\SHT\[322142-SHT-13-Top of Waste Phase 1.dwg]14] LS1[1/28/2025 - dkegel] - LP: 1/30/2025 10:08 AM



LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 — EXISTING 10-FT CONTOUR
- EXISTING 2-FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 — PROPOSED 10-FT TOP OF WASTE CONTOUR
- 254 — PROPOSD 2-FT TOP OF CONTOUR

NOTES

1. TAX LOT BOUNDARIES FROM BENTON COUNTY ZONING MAP PANEL 41047C0975G, DATED 01/19/2000 (TAX LOT BOUNDARIES MAY DIFFER FROM ZONING DATED 2021).
2. PERIMETER LANDFILL ROAD WILL ONLY BE FOR PICKUP TRUCKS OR SMALLER VEHICLES.
3. TIMELINE STARTS WHEN THE EXPANSION AREA HAS BEEN FULLY EXCAVATED AND LINED.

TOP OF WASTE PHASE 2 (YEAR 3 AND 4)

1. FILL VOLUME = 1,500,000 CY

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

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Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

Civil & Environmental Consultants, Inc.

VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

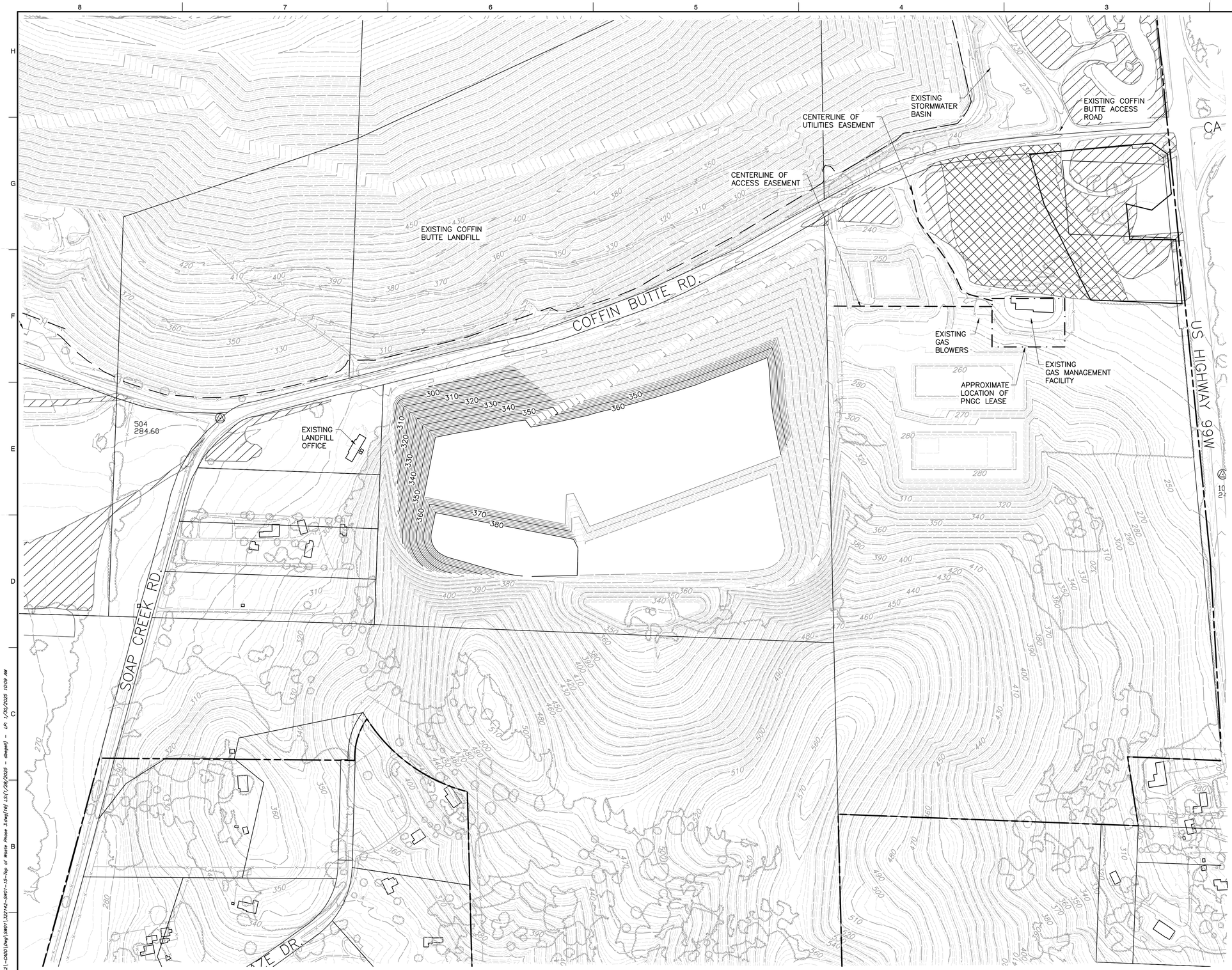
TOP OF WASTE PHASE 2

DATE:	JANUARY 2025
DRAWN BY:	JS
DWG SCALE:	AS SHOWN
CHECKED BY:	JAS
PROJECT NO:	322-142
APPROVED BY:	JAS

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2011
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

DRAWING NO.:
15

A:\322-0001\322-142\CAD\Dwg\DWG\322142-DWG-14-Top of Waste Phase 2.dwg[15] LS(1/28/2025 - dbegell) - LP, 1/30/2025 10:08 AM



LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 — EXISTING 10-FT CONTOUR
- EXISTING 2-FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 — PROPOSED 10-FT TOP OF WASTE CONTOUR
- 254 — PROPOSD 2-FT TOP OF CONTOUR

NOTES

1. TAX LOT BOUNDARIES FROM BENTON COUNTY ZONING MAP PANEL 41047C0975G, DATED 01/19/2000 (TAX LOT BOUNDARIES MAY DIFFER FROM ZONING DATED 2021).
2. PERIMETER LANDFILL ROAD WILL ONLY BE FOR PICKUP TRUCKS OR SMALLER VEHICLES.
3. TIMELINE STARTS WHEN THE EXPANSION AREA HAS BEEN FULLY EXCAVATED AND LINED.

TOP OF WASTE PHASE 3 (YEAR 5)

1. FILL VOLUME = 1,500,000 CY

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2011
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

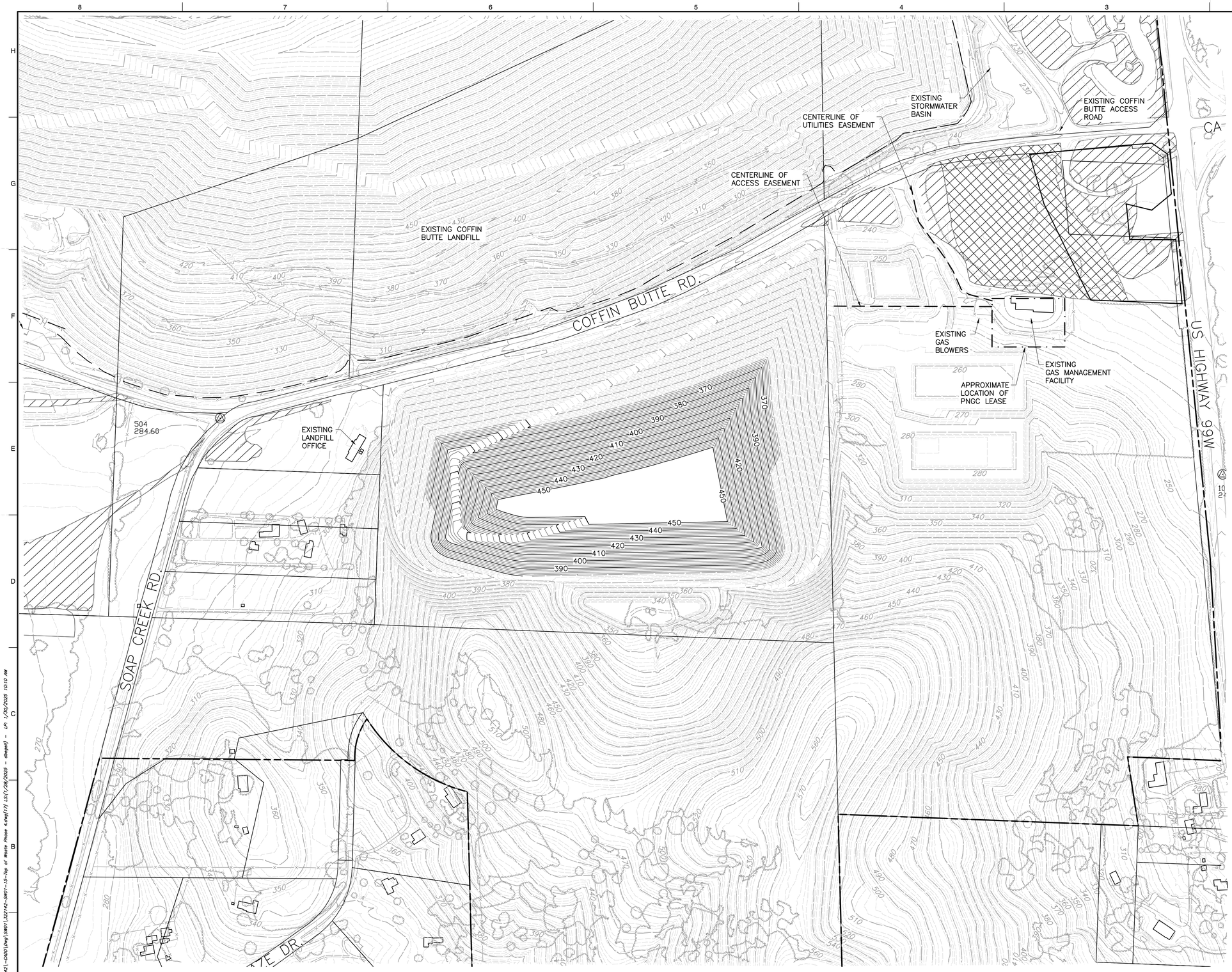
VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

TOP OF WASTE PHASE 2

DATE:	JANUARY 2025	DRAWN BY:	JS
DWG SCALE:	AS SHOWN	CHECKED BY:	JAS
PROJECT NO:		322-142	
APPROVED BY:			JAS

DRAWING NO.: 16

P:\322-000\322-142\-CADD\Dwg\SHEET\322142-SHEET-15-Top of Waste Phase 3.dwg[16] LS(1/28/2025 - dbogedi) - LP: 1/30/2025 10:09 AM



LEGEND

- PROPERTY BOUNDARY
- EXISTING LANDFILL BOUNDARY
- TAX LOT BOUNDARY
- WETLAND MITIGATION BOUNDARY
- 300 — EXISTING 10-FT CONTOUR
- EXISTING 2-FT CONTOUR
- EXISTING PALUSTRINE FORESTED WETLAND
- EXISTING PALUSTRINE EMERGENT WETLAND
- 250 — PROPOSED 10-FT TOP OF WASTE CONTOUR
- 254 — PROPOSD 2-FT TOP OF CONTOUR

NOTES

1. TAX LOT BOUNDARIES FROM BENTON COUNTY ZONING MAP PANEL 41047C0975G, DATED 01/19/2000 (TAX LOT BOUNDARIES MAY DIFFER FROM ZONING DATED 2021).
2. PERIMETER LANDFILL ROAD WILL ONLY BE FOR PICKUP TRUCKS OR SMALLER VEHICLES.

TOP OF WASTE PHASE 4 (YEAR 6-7)

1. FILL VOLUME = 1,860,000 CY

REFERENCE

AERIAL PHOTOGRAPH, TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY AND GRID BY COOPER AERIAL SURVEYS COMPANY; DATE OF PHOTOGRAPHY: OCTOBER 07, 2021.

REGISTERED PROFESSIONAL ENGINEER
92360PE
OREGON
JULY 13, 2017
JEFF A. SHEPHERD
EXPIRES: 06/30/2026

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
2356 Gold Meadow Way
Suite 120
Gold River, CA 95670
Ph: 916.503.0050
www.cecinc.com

VALLEY LANDFILLS, INC.
COFFIN BUTTE LANDFILL
CONDITIONAL USE PERMIT APPLICATION
CORVALLIS, OR 97330

TOP OF WASTE PHASE 4

DATE:	JANUARY 2025	DRAWN BY:	JS
DWG SCALE:	AS SHOWN	CHECKED BY:	JAS
PROJECT NO:		322-142	
APPROVED BY:			JAS

DRAWING NO.:
17

P:\320-0001\321-1421-0401\dwg\SW01\322142-SW01-15-Top of Waste Phase 4.dwg[17] LS(1/28/2025 - dwgpl) - LP: 1/30/2025 10:10 AM

Air TECHNOLOGY Laboratories, Inc.

September 18, 2019

LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C, RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

Weaver Consultants Group
ATTN: Melissa Green
7340 E. Caley Ave., Ste. 110
Centennial, CO 80111

LABORATORY TEST RESULTS

Project Reference: Total Sulfur Content Composition and Heat Value Testing
Project Number: 0120-174-50-20-02
Lab Number: K080707-01/04

Enclosed are **revised** results for sample(s) received 8/07/19 by Air Technology Laboratories. This revision replaces the report dated 8/26/19 in its entirety. Samples were received intact. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Report revised to include a Level 4 raw data package, per client's request.
- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

Preliminary results were e-mailed to Melissa Green on 8/22/19.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

K080707a

CHAIN OF CUSTODY RECORD

Air TECHNOLOGY Laboratories, Inc.
18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

TURNAROUND TIME
Standard ☑ 48 hours ☐
Same Day ☐ 72 hours ☐
24 hours ☐ 96 hours ☐
Other:

DELIVERABLES
EDD ☐
EDF ☐
LEVEL 3 ☐
LEVEL 4 ☐

PAGE: OF

Condition upon receipt:
Sealed Yes ☐ No ☐
Intact Yes ☐ No ☐
Chilled _____ deg C

Project No.: 0120-174-50-20-02
Project Name: Total sulfur content, composition and heat value testing
Report To: Melissa Green
Company: Weaver Consultants Group
Street: 7340 S Caley Ave Suite 110
City/State/Zip: Centennial, CO 80111
Phone& Fax: 720-529-0132
e-mail: MGreen@WCGrp.com

BILLING
P.O. No.: Same
Bill to:

ANALYSIS REQUEST

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	CONTAINER TYPE	D5504 (extended list)	D1945				
K080707-01	1 canister 5948	8/6/19	12:35	G	C	x	x				
-02	2 " 5960	8/6/19	12:49	G	C	x	x				
-03	3 " 6010	8/6/19	1:02	G	C	x	x	8/7/19			
-04	4 " 7131	8/6/19	1:15	G	C						

	COMPANY	DATE/TIME
AUTHORIZATION TO PERFORM WORK: Corey Harkness	WCG	8/6/19 11:00AM
SAMPLED BY: Corey Harkness	WCG	8/6/19 12:35 pm
RELINQUISHED BY: Corey Harkness	DATE/TIME: 8/6/19 2:30pm	RECEIVED BY: FedEx — DATE/TIME: 8/6/19 2:30pm
RELINQUISHED BY: FedEx	DATE/TIME: 8/7/19	RECEIVED BY: [signature] — DATE/TIME: 8/7/19 0912
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY: — DATE/TIME:

METHOD OF TRANSPORT (circle one): Walk-In (FedEx) UPS Courier ATLI Other _____

COMMENTS
only test sample 4 as a back-up

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: **H**=HCL **N**=None / Container: **B**=Bag **C**=Can **V**=VOA **O**=Other

Rev. 03 - 5/7/09

Client: Weaver Consultants Group
Attn: Melissa Green
Project Name: Total Sulfur Content Composition and Heat Value Testing
Project No.: 0120-174-50-20-02
Date Received: 08/07/19
Matrix: Air
Reporting Units: ppmv

ASTM D5504

Lab No.:	K080707-01		K080707-02		K080707-03			
Client Sample I.D.:	1		2		3			
Date/Time Sampled:	8/6/19 12:35		8/6/19 12:49		8/6/19 13:02			
Date/Time Analyzed:	8/8/19 14:54		8/8/19 15:12		8/8/19 15:29			
QC Batch No.:	190808GC3A1		190808GC3A1		190808GC3A1			
Analyst Initials:	CM/AS		CM/AS		CM/AS			
Dilution Factor:	4.2		4.6		4.6			
ANALYTE	Result ppmv	RL ppmv	Result ppmv	RL ppmv	Result ppmv	RL ppmv		
Hydrogen Sulfide	8.6	0.84	ND	0.92	ND	0.92		
Sulfur Dioxide	ND	0.84	ND	0.92	ND	0.92		
Carbonyl Sulfide	ND	0.84	ND	0.92	ND	0.92		
Methyl Mercaptan	2.3	0.84	ND	0.92	ND	0.92		
Ethyl Mercaptan	ND	0.84	ND	0.92	ND	0.92		
Dimethyl Sulfide	2.1	0.84	2.5	0.92	2.4	0.92		
Carbon Disulfide	ND	0.84	ND	0.92	ND	0.92		
Isopropyl Mercaptan	2.5	0.84	ND	0.92	ND	0.92		
t-Butylmercaptan	ND	0.84	ND	0.92	ND	0.92		
n-Propyl Mercaptan	ND	0.84	ND	0.92	ND	0.92		
Ethyl Methyl Sulfide	ND	0.84	ND	0.92	ND	0.92		
sec-Butyl Mercaptan	ND	0.84	ND	0.92	ND	0.92		
Thiophene	ND	0.84	ND	0.92	ND	0.92		
Isobutyl Mercaptan	ND	0.84	ND	0.92	ND	0.92		
Diethyl Sulfide	ND	0.84	ND	0.92	ND	0.92		
n-Butyl Mercaptan	ND	0.84	ND	0.92	ND	0.92		
Dimethyl Disulfide	ND	0.84	ND	0.92	ND	0.92		
2-Methylthiophene	ND	0.84	ND	0.92	ND	0.92		
3-Methylthiophene	ND	0.84	ND	0.92	ND	0.92		
Tetrahydrothiophene	ND	0.84	ND	0.92	ND	0.92		
2-Ethylthiophene	ND	0.84	ND	0.92	ND	0.92		
2,5-Dimethylthiophene	ND	0.84	ND	0.92	ND	0.92		
Diethyl Disulfide	ND	0.84	ND	0.92	ND	0.92		
Dimethyl Trisulfide	ND	0.84	2.5	0.92	ND	0.92		
Total Reduced Sulfur	15	0.84	5.0	0.92	2.4	0.92		

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ Date 8/22/19
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client:	Weaver Consultants Group
Attn:	Melissa Green
Project Name:	Total Sulfur Content Composition and Heat Value Testing
Project No.:	0120-174-50-20-02
Date Received:	08/07/19
Matrix:	Air
Reporting Units:	ppmv

ASTM D5504

Lab No.:	Method Blank							
Client Sample I.D.:	-							
Date/Time Sampled:	-							
Date/Time Analyzed:	8/8/19 10:57							
QC Batch No.:	190808GC3A1							
Analyst Initials:	CM/AS							
Dilution Factor:	1.0							

ANALYTE	Result ppmv	RL ppmv						
Hydrogen Sulfide	ND	0.20						
Sulfur Dioxide	ND	0.20						
Carbonyl Sulfide	ND	0.20						
Methyl Mercaptan	ND	0.20						
Ethyl Mercaptan	ND	0.20						
Dimethyl Sulfide	ND	0.20						
Carbon Disulfide	ND	0.20						
Isopropyl Mercaptan	ND	0.20						
t-Butylmercaptan	ND	0.20						
n-Propyl Mercaptan	ND	0.20						
Ethyl Methyl Sulfide	ND	0.20						
sec-Butyl Mercaptan	ND	0.20						
Thiophene	ND	0.20						
Isobutyl Mercaptan	ND	0.20						
Diethyl Sulfide	ND	0.20						
n-Butyl Mercaptan	ND	0.20						
Dimethyl Disulfide	ND	0.20						
2-Methylthiophene	ND	0.20						
3-Methylthiophene	ND	0.20						
Tetrahydrothiophene	ND	0.20						
2-Ethylthiophene	ND	0.20						
2,5-Dimethylthiophene	ND	0.20						
Diethyl Disulfide	ND	0.20						
Dimethyl Trisulfide	ND	0.20						
Total Reduced Sulfur	ND	0.20						

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ Date 8/22/19
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

QC Batch No.: 190808GC3A1
Matrix: Air
Reporting Units: ppmv

ASTM D5504

Lab No.:	METHOD BLANK		LCS		LCSD			
Date/Time Analyzed:	8/8/19 10:57		8/8/19 10:22		8/8/19 10:40			
Analyst Initials:	CM/AS		CM/AS		CM/AS			
Date File:	08aug003		08aug001		08aug002			
Dilution Factor:	1.0		1.0		1.0			
ANALYTE	Result ppmv	RL ppmv	% Rec.	Criteria	% Rec.	Criteria	% RPD	Criteria
Hydrogen Sulfide	ND	0.20	73	70-130%	73	70-130%	0.2	<30
Carbonyl Sulfide	ND	0.20	102	70-130%	102	70-130%	0.1	<30
Methyl Mercaptan	ND	0.20	97	70-130%	99	70-130%	1.8	<30
Ethyl Mercaptan	ND	0.20	102	70-130%	103	70-130%	0.9	<30
Dimethyl Sulfide	ND	0.20	90	70-130%	90	70-130%	0.1	<30
Carbon Disulfide	ND	0.20	87	70-130%	86	70-130%	0.8	<30
Dimethyl Disulfide	ND	0.20	96	70-130%	94	70-130%	1.4	<30

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ Date 8/22/19
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Weaver Consultants Group
Attn: Melissa Green

Client's Project: Total Sulfur Content Composition and Heat Value Testing
Project Number: 0120-174-50-20-02
Date Received: 8/7/2019
Matrix: Vapor
Units: % v/v

Natural Gas Analysis by ASTM-D1945/3588

Lab No.:		K080707-01		K080707-02		K080707-03					
Client Sample I.D.:		1		2		3					
Date/Time Sampled:		8/6/19 12:35		8/6/19 12:49		8/6/19 13:02					
Fixed Gas Date/Time Analyzed:		8/15/19 11:39		8/15/19 11:58		8/15/19 12:21					
Hydrocarbon Date/Time Analyzed:		8/8/19 10:01		8/8/19 10:23		8/8/19 11:08					
Analyst Initials:		CM/AS		CM/AS		CM/AS					
QC Batch #:		190808GC11A1		190808GC11A1		190808GC11A1					
Dilution Factor:		4.2		4.6		4.6					
ANALYTE	PQL	Results	RL	Results	RL	Results	RL				
Methane	0.0010	53	0.0042	53	0.0046	51	0.0046				
Ethylene	0.010	ND	0.042	ND	0.046	ND	0.046				
Ethane	0.010	ND	0.042	ND	0.046	ND	0.046				
Propane	0.010	ND	0.042	ND	0.046	ND	0.046				
Isobutane	0.010	ND	0.042	ND	0.046	ND	0.046				
n-Butane	0.010	ND	0.042	ND	0.046	ND	0.046				
Isopentane	0.010	ND	0.042	ND	0.046	ND	0.046				
n-Pentane	0.010	ND	0.042	ND	0.046	ND	0.046				
Hexanes	0.010	ND	0.042	ND	0.046	ND	0.046				
Heptanes	0.010	ND	0.042	ND	0.046	ND	0.046				
Oxygen/Argon	0.50	ND	2.1	ND	2.3	2.3	2.3				
Nitrogen	1.0	8.4	4.2	9.0	4.6	11	4.6				
Carbon Dioxide	0.010	37	0.042	37	0.046	35	0.046				
Gross Heat of combustion (BTU/FT3)	1.0	540	4.2	534	4.6	514	4.6				
Net Heat of combustion (BTU/FT3)	1.0	486	4.2	481	4.6	463	4.6				

PQL = Practical Quantitation Limit
ND = Not Detected (Below RL)
RL = PQL X Dilution Factor

Reviewed/Approved By: _____ Date: 8/20/19
Mark J. Johnson
Operations Manager

The cover letter is an integral part of this analytical report.

Client: Weaver Consultants Group
Attn: Melissa Green

Client's Project: Total Sulfur Content Composition and Heat Value Testing
Project Number: 0120-174-50-20-02
Date Received: 8/7/2019
Matrix: Vapor
Units: % v/v

Natural Gas Analysis by ASTM-D1945/3588

Lab No.:		K080707-01		K080707-02		K080707-03					
Client Sample I.D.:		1		2		3					
Date/Time Sampled:		8/6/19 12:35		8/6/19 12:49		8/6/19 13:02					
Fixed Gas Date/Time Analyzed:		8/15/19 11:39		8/15/19 11:58		8/15/19 12:21					
Hydrocarbon Date/Time Analyzed:		8/8/19 10:01		8/8/19 10:23		8/8/19 11:08					
Analyst Initials:		CM/AS		CM/AS		CM/AS					
QC Batch #:		190808GC11A1		190808GC11A1		190808GC11A1					
Dilution Factor:		4.2		4.6		4.6					
ANALYTE	PQL	Results	RL	Results	RL	Results	RL				
Methane	0.0010	53	0.0042	53	0.0046	51	0.0046				
Ethylene	0.010	ND	0.042	ND	0.046	ND	0.046				
Ethane	0.010	ND	0.042	ND	0.046	ND	0.046				
Propane	0.010	ND	0.042	ND	0.046	ND	0.046				
Isobutane	0.010	ND	0.042	ND	0.046	ND	0.046				
n-Butane	0.010	ND	0.042	ND	0.046	ND	0.046				
Isopentane	0.010	ND	0.042	ND	0.046	ND	0.046				
n-Pentane	0.010	ND	0.042	ND	0.046	ND	0.046				
Hexanes	0.010	ND	0.042	ND	0.046	ND	0.046				
Heptanes	0.010	ND	0.042	ND	0.046	ND	0.046				
Oxygen/Argon	0.50	ND	2.1	ND	2.3	2.3	2.3				
Nitrogen	1.0	8.4	4.2	9.0	4.6	11	4.6				
Carbon Dioxide	0.010	37	0.042	37	0.046	35	0.046				
Gross Heat of combustion (BTU/FT3)	1.0	540	4.2	535	4.6	514	4.6				
Net Heat of combustion (BTU/FT3)	1.0	486	4.2	481	4.6	463	4.6				

PQL = Practical Quantitation Limit
ND = Not Detected (Below RL)
RL = PQL X Dilution Factor

Reviewed/Approved By: _____ Date: 8/22/19
Mark J. Johnson
Operations Manager

The cover letter is an integral part of this analytical report.

QC Batch # 190808GC11A1
Matrix: Air
Units: % v/v

QC for Natural Gas Analysis by ASTM-D1945

Lab No.:	Blank		LCS		LCSD			
Fixed Gas Date/Time Analyzed:	8/15/19 9:56		8/15/19 10:16/15:40		8/15/19 10:35/15:55			
Hydrocarbon Date/Time Analyzed:	8/8/19 9:39		8/8/19 8:54		8/8/19 9:16			
Analyst Initials:	CM/AS		CM/AS		CM/AS			
Dilution Factor:	1.0		1.0		1.0			
ANALYTE	Results	RL	%Rec	Criteria	%Rec	Criteria	RPD	Criteria
Methane	ND	0.0010	102	70-130	101	70-130	0.6	<20
Ethane	ND	0.010	102	70-130	102	70-130	0.7	<20
Propane	ND	0.010	109	70-130	104	70-130	4.5	<20
Isobutane	ND	0.010	111	70-130	104	70-130	6.1	<20
n-Butane	ND	0.010	111	70-130	103	70-130	7.3	<20
Neopentane	ND	0.010	110	70-130	104	70-130	5.5	<20
Isopentane	ND	0.010	111	70-130	100	70-130	10.8	<20
n-Pentane	ND	0.010	110	70-130	100	70-130	9.8	<20
n-Hexane	ND	0.010	103	70-130	96	70-130	7.6	<20
n-Heptane	ND	0.010	113	70-130	88	70-130	25.0	<20
Oxygen/Argon	ND	0.50	101	70-130	100	70-130	0.8	<20
Nitrogen	ND	1.0	101	70-130	100	70-130	0.6	<20
Carbon Dioxide	ND	0.010	95	70-130	95	70-130	0.2	<20

ND = Not Detected (Below RL)
RL = PQL X Dilution Factor

Reviewed/Approved By: _____ Date: 8/22/19
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report.