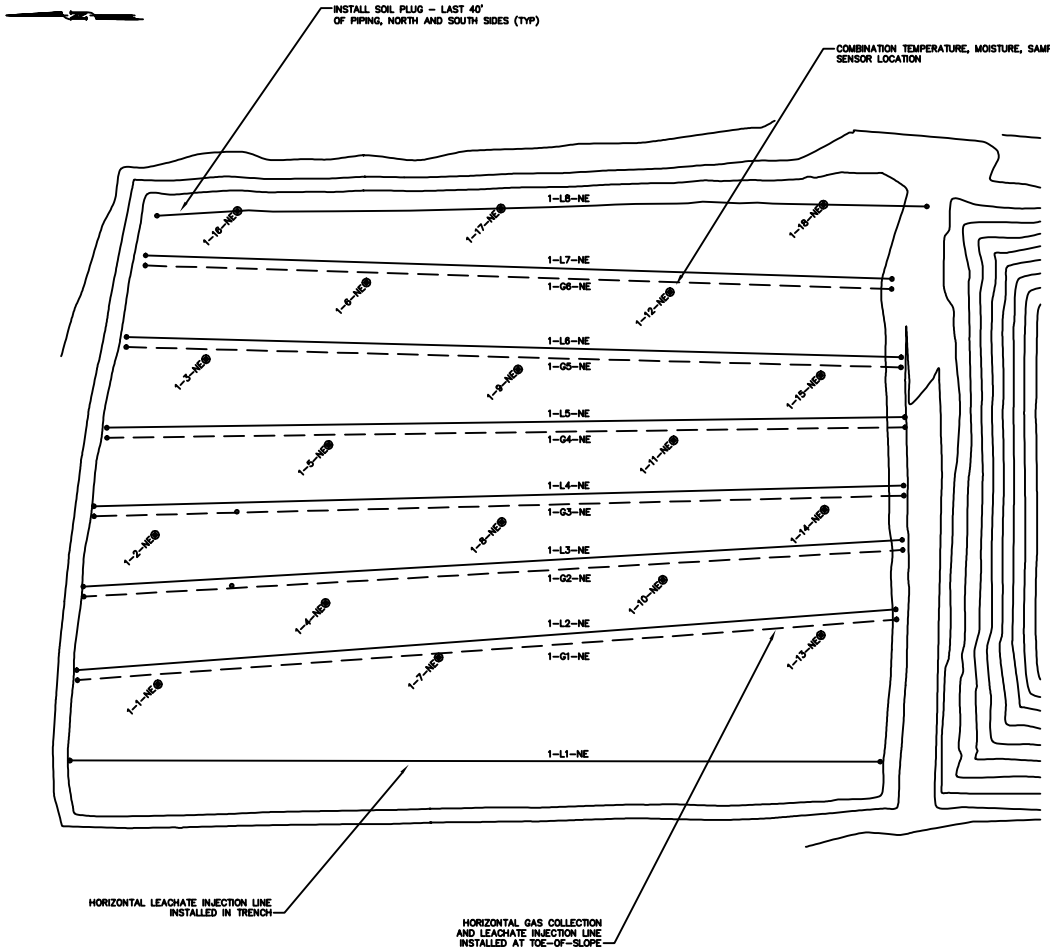
APPENDIX B – PIPING AND INSTRUMENTATION PLAN



MONITORING POINT COORDINATES			
SENSOR DESIGNATION	NORTHING	EASTING	ELEVATION (MSL)
1-1-NE	1980055	6651289	40
1-2-NE	1980057	6651433	39
1-3-NE	1980031	6651520	39.5
1-4-NE	1979972	6651399	39.5
1-5-NE	1979971	6651478	39
1-6-NE	1979952	6651588	40.5
1-7-NE	1979916	6651372	40
1-8-NE	1979885	6651440	39
1-9-NE	1979878	6651515	39.5
1-10-NE	1979850	6651411	39.5
1-11-NE	1979799	6651480	39
1-12-NE	1979801	6651554	40.5
1-13-NE	1979726	6651383	40
1-14-NE	1979724	6651446	39
1-15-NE	1979726	6651512	39.5
1-16-NE	1980016	6651584	40
1-17-NE	1979885	6651595	40
1-18-NE	1979725	6651597	40

LEGEND

- HORIZONTAL LEACHATE INJECTION LINE,1.25" ø, SDR 11 HDPE WITH 3/32" ø DRILLED HOLES @ 20' O/C
- HORIZONTAL GAS COLLECTION LINE, VARIOUS CONFIGURATIONS
- THERMISTER, QUALITY THERMISTER NTC PROBE, 10,000 OHM RESISTANCE AT 25°C, TOLERANCE ±0.2°C (0-100°C). PRESSURE SENSING TUBE, 1/4-INCH ID BY 3/8 OD LLDPE, AND PVC MOISTURE SENSOR.
- 1-01-NE — LEVEL 1, INSTRUMENT LOCATION 1, NORTHEAST ANAEROBIC MODULE
- 1-L1-NE — LEVEL 1, LEACHATE INJECTION LINE 1, NORTHEAST ANAEROBIC MODULE
- 1-G1-NE — LEVEL 1, GAS EXTRACTION LINE 1, NORTHEAST MODULE

AS-BUILT

WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND BLACK SIGNATURE.

30 15 0 30 60 90
GRAPHIC SCALE
1" = 30'

NO.	REVISIONS / DESCRIPTIONS	DATE	APPV

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

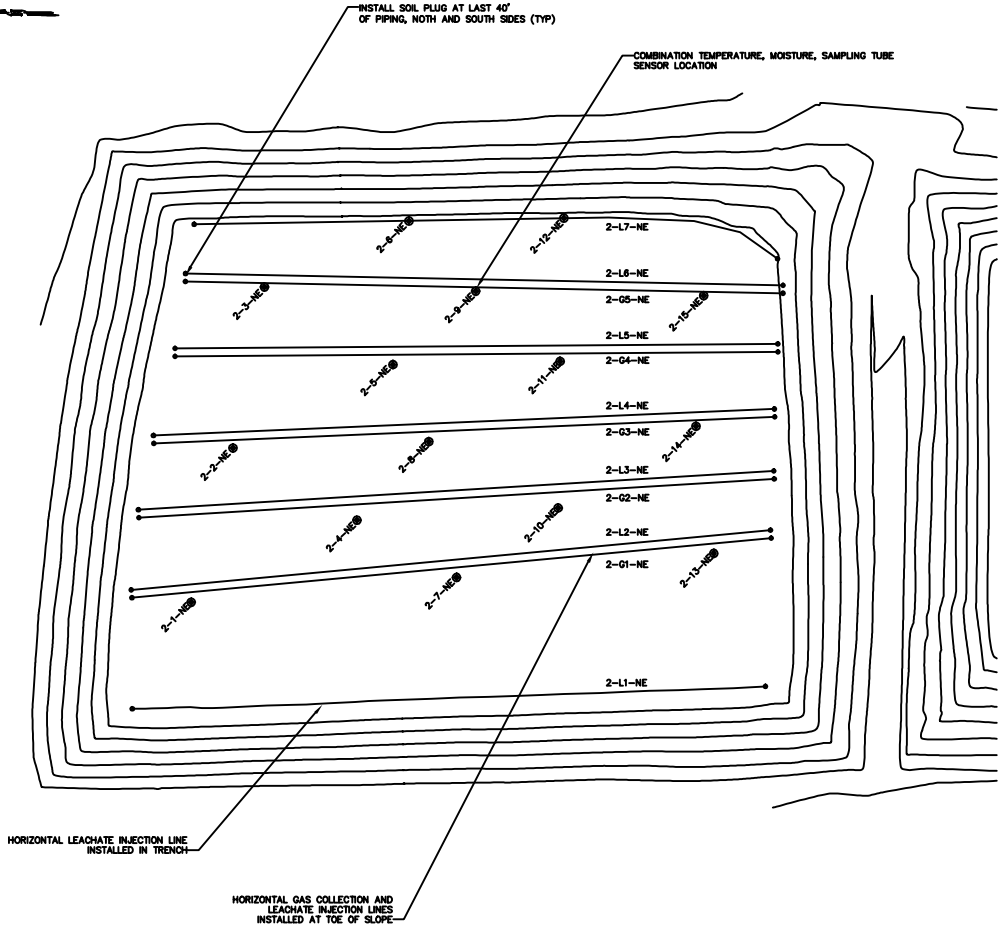
APPROVED _____ 19 ____ R. E. NO.

YOLO COUNTY CENTRAL LANDFILL
FULL-SCALE BIOREACTOR
NE ANAEROBIC MODULE LEVEL 1 PIPING AND INSTRUMENTATION

DRAWING NO. _____

W.O. NO.	9207
P.B. NO.	T.9N.R.1E.
DESIGN BY	JDK
DRAWN BY	JDK
CHECKED BY	RY
FILE NAME	
DATE	8/8/02

DETAIL 3-2



SENSOR DESIGNATION	NORTHING	EASTING	ELEVATION (MSL.)
2-1-NE	1980027	6651382	54
2-2-NE	1980006	6651460	52.5
2-3-NE	1979990	6651541	49.5
2-4-NE	1979944	6651423	53
2-5-NE	1979926	6651502	51
2-6-NE	1979917	6651574	49.5
2-7-NE	1979893	6651394	54
2-8-NE	1979907	6651463	52.5
2-9-NE	1979884	6651539	49.5
2-10-NE	1979842	6651430	53
2-11-NE	1979841	6651503	51
2-12-NE	1979839	6651578	49.5
2-13-NE	1979784	6651407	54
2-14-NE	1979772	6651471	52.5
2-15-NE	1979769	6651537	49.5

LEGEND

HORIZONTAL LEACHATE INJECTION LINE,1.25" ø, SDR 11 HDPE WITH 3/32" ø DRILLED HOLES @ 20' O/C

HORIZONTAL GAS COLLECTION LINE, VARIOUS CONFIGHURATIONS

THERMISTER, QUALITY THERMISTER NTC PROBE, 10,000 OHM RESISTANCE AT 25°C, TOLERANCE ±0.2°C (0-100°C), PRESSURE SENSING TUBE, 1/4-INCH ID BY 3/8 OD LLDPE, AND PVC MOISTURE SENSOR.

2-01-NE — LEVEL 2, INSTRUMENT LOCATION 1, NORTHEAST ANAEROBIC MODULE

2-L1-NE — LEVEL 2, LEACHATE INJECTION LINE 1, NORTHEAST ANAEROBIC MODULE

2-G1-NE — LEVEL 2, GAS EXTRACTION LINE 1, NORTHEAST MODULE

AS-BUILT

WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND BLACK SIGNATURE.

30 15 0 30 60 90

GRAPHIC SCALE
1" = 30'

NO.	REVISIONS / DESCRIPTIONS	DATE	APPV

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

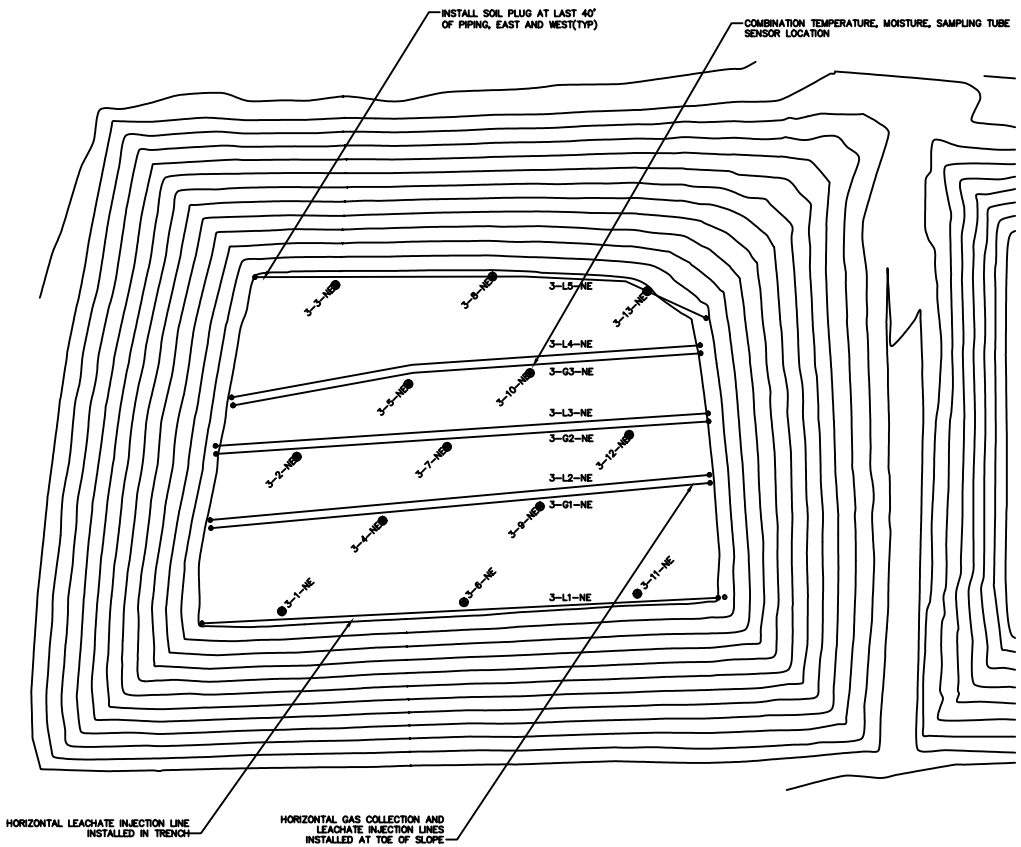
APPROVED _____ 19 ____ R. E. NO.

YOLO COUNTY CENTRAL LANDFILL
FULL-SCALE BIOREACTOR
NE ANAEROBIC MODULE LEVEL 2 PIPING AND INSTRUMENTATION

DRAWING NO. _____

W.O. NO.	9207
F.B. NO.	T.9N.R.3E.
DESIGN BY	JDK
DRAWN BY	JDK
CHECKED BY	RY
FILE NAME	____
DATE	8/8/02

DETAIL
3-3



SENSOR DESIGNATION	NORTHING	EASTING	ELEVATION (MSL)
3-1-NE	1979983	6851367	65
3-2-NE	1979976	6851443	65
3-3-NE	1979957	6851528	64
3-4-NE	1979934	6851412	65.5
3-5-NE	1979921	6851479	64.5
3-6-NE	1979883	6851371	65
3-7-NE	1979902	6851448	65
3-8-NE	1979879	6851432	64
3-9-NE	1979856	6851419	65.5
3-10-NE	1979861	6851485	64.5
3-11-NE	1979838	6851376	65
3-12-NE	1979812	6851454	65
3-13-NE	1979803	6851525	64

LEGEND

- HORIZONTAL LEACHATE INJECTION LINE,1.25" ø, SDR 11 HDPE WITH 3/32" ø DRILLED HOLES @ 20' O/C
- HORIZONTAL GAS COLLECTION LINE, VARIOUS CONFIGHURATIONS
- ● THERMISTER, QUALITY THERMISTER NTC PROBE, 10,000 OHM RESISTANCE AT 25'C, TOLERANCE ±0.2'C (0-100'C), PRESSURE SENSING TUBE, 1/4-INCH ID BY 3/8 OD LLDPE, AND PVC MOISTURE SENSOR.
- 3-01-NE — LEVEL 3, INSTRUMENT LOCATION 1, NORTHEAST ANAEROBIC MODULE
- 3-L1-NE — LEVEL 3, LEACHATE INJECTION LINE 1, NORTHEAST ANAEROBIC MODULE
- 3-G1-NE — LEVEL 3, GAS EXTRACTION LINE 1, NORTHEAST MODULE

AS-BUILT

WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND BLACK SIGNATURE.

30 15 0 30 60 90
GRAPHIC SCALE
1"= 30'

NO.	REVISIONS / DESCRIPTIONS	DATE	APPV

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

APPROVED _____ 19 ____ R. E. NO.

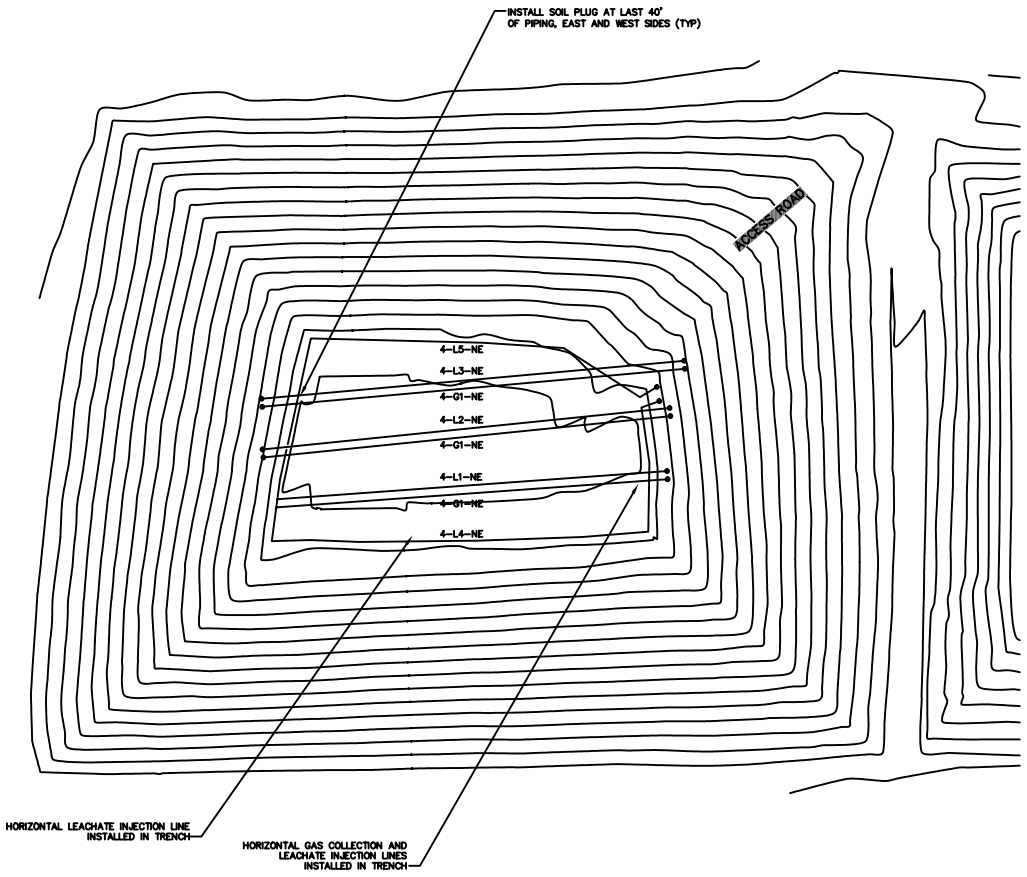
YOLO COUNTY CENTRAL LANDFILL
FULL-SCALE BIOREACTOR

NE ANAEROBIC MODULE LEVEL 3 PIPING AND INSTRUMENTATION

DRAWING NO. _____

W.O. NO.	9207
F.B. NO.	T.9N.R.3E.
DESIGN BY	JDK
DRAWN BY	JDK
CHECKED BY	RY
FILE NAME	------
DATE	8/6/02

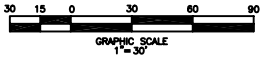
DETAIL
3-4



LEGEND

———	HORIZONTAL LEACHATE INJECTION LINE,1.25" ø, SDR 11 HDPE WITH 3/32" ø DRILLED HOLES @ 20' O/C
———	HORIZONTAL GAS COLLECTION LINE, VARIOUS CONFIGHURATIONS
4-L1-NE	LEVEL 4, LEACHATE INJECTION LINE 1, NORTHEAST ANAEROBIC MODULE
4-G1-NE	LEVEL 4, GAS EXTRACTION LINE 1, NORTHEAST MODULE

AS-BUILT



WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND BLACK SIGNATURE.

NO.	REVISIONS / DESCRIPTIONS	DATE	APPV

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

APPROVED _____ 19 ____ R. E. NO.

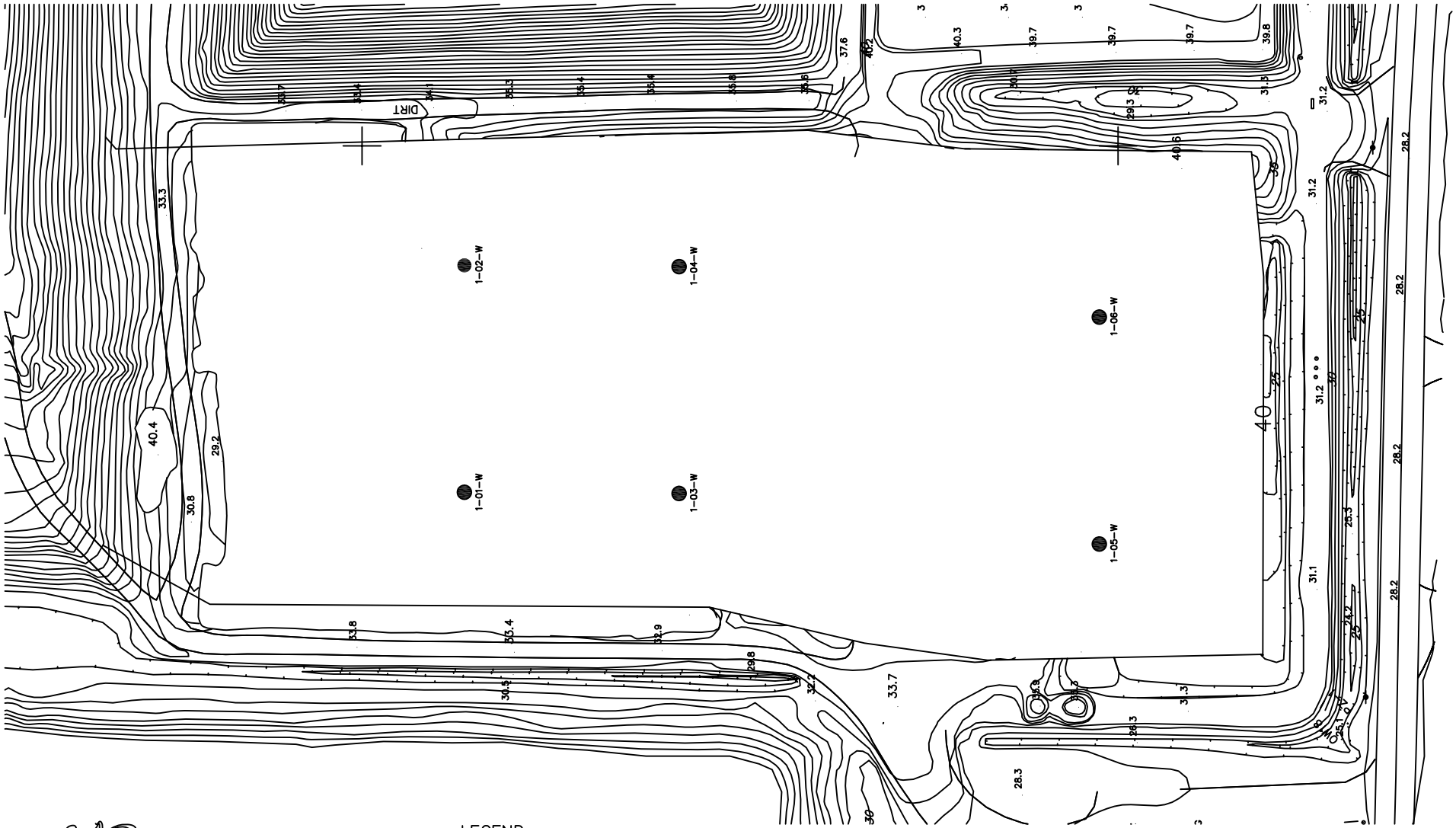
YOLO COUNTY CENTRAL LANDFILL
FULL-SCALE BIOREACTOR

NE ANAEROBIC MODULE LEVEL 4 PIPING AND INSTRUMENTATION

DRAWING NO. _____

W.O. NO.	9207
F.B. NO.	T.9N.R.3E.
DESIGN BY	JDK
DRAWN BY	JDK
CHECKED BY	RY
FILE NAME	———
DATE	8/5/02

DETAIL
3-5



LEGEND

● THERMISTER, QUALITY THERMISTER NTC PROBE, 10,000 OHM RESISTANCE AT 25°C, TOLERANCE ±0.2°C (0–100°C), AND PVC MOISTURE SENSOR.

1-01-W LEVEL 1, INSTRUMENT LOCATION 1, WEST ANAEROBIC MODULE

30 15 0 30 60 120

GRAPHIC SCALE
1" = 30'

NO.	REVISIONS / DESCRIPTIONS	DATE	APPV

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

APPROVED _____ 19 ____ R. E. NO. _____

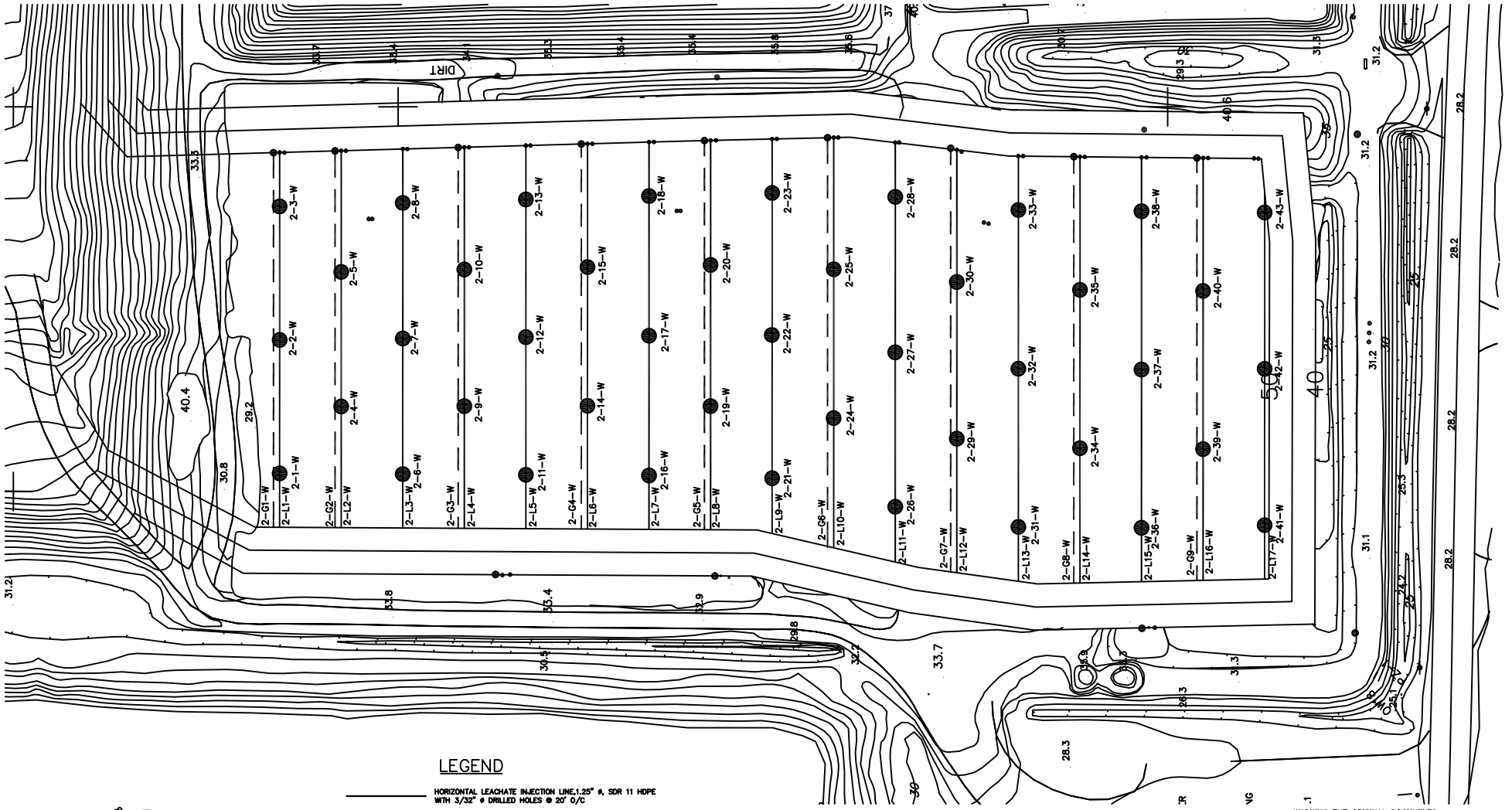
YOLO COUNTY CENTRAL LANDFILL

FULL SCALE BIOREACTOR WEST SIDE, LEVEL 1 PIPING AND INSTRUMENTATION PLAN

DRAWING NO. _____

W.O. NO.	9207
F.B. NO.	T.BK.R.3E.
DESIGN BY	JDK
DRAWN BY	JDK
CHECKED BY	XX
FILE NAME	W2 02-12-1.MW
DATE	2/21/02

DETAIL 4-2



LEGEND

———	HORIZONTAL LEACHATE INJECTION LINE,1.25" ø, SDR 11 HDPE WITH 3/32" ø DRILLED HOLES @ 20' O/C
— — —	HORIZONTAL GAS COLLECTION LINE, VARIOUS CONFIGURATIONS
●	THERMISTER, QUALITY THERMISTER NTC PROBE, 10,000 OHM RESISTANCE AT 25°C, TOLERANCE ±0.2°C (0–100°C), AND PVC MOISTURE SENSOR.
2–01–W	LEVEL 2, INSTRUMENT LOCATION 1, WEST ANAEROBIC MODULE
2–L1–W	LEVEL 2, LEACHATE INJECTION LINE 1, WEST ANAEROBIC MODULE
2–G1–W	LEVEL 2, GAS EXTRACTION LINE 1, WEST ANAEROBIC MODULE

30 15 0 30 60 120

GRAPHIC SCALE
1" = 30'

WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND BLACK SIGNATURE.

NO.	REVISIONS / DESCRIPTIONS	DATE	APPV

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

APPROVED _____ 19 _____ R. E. NO. _____

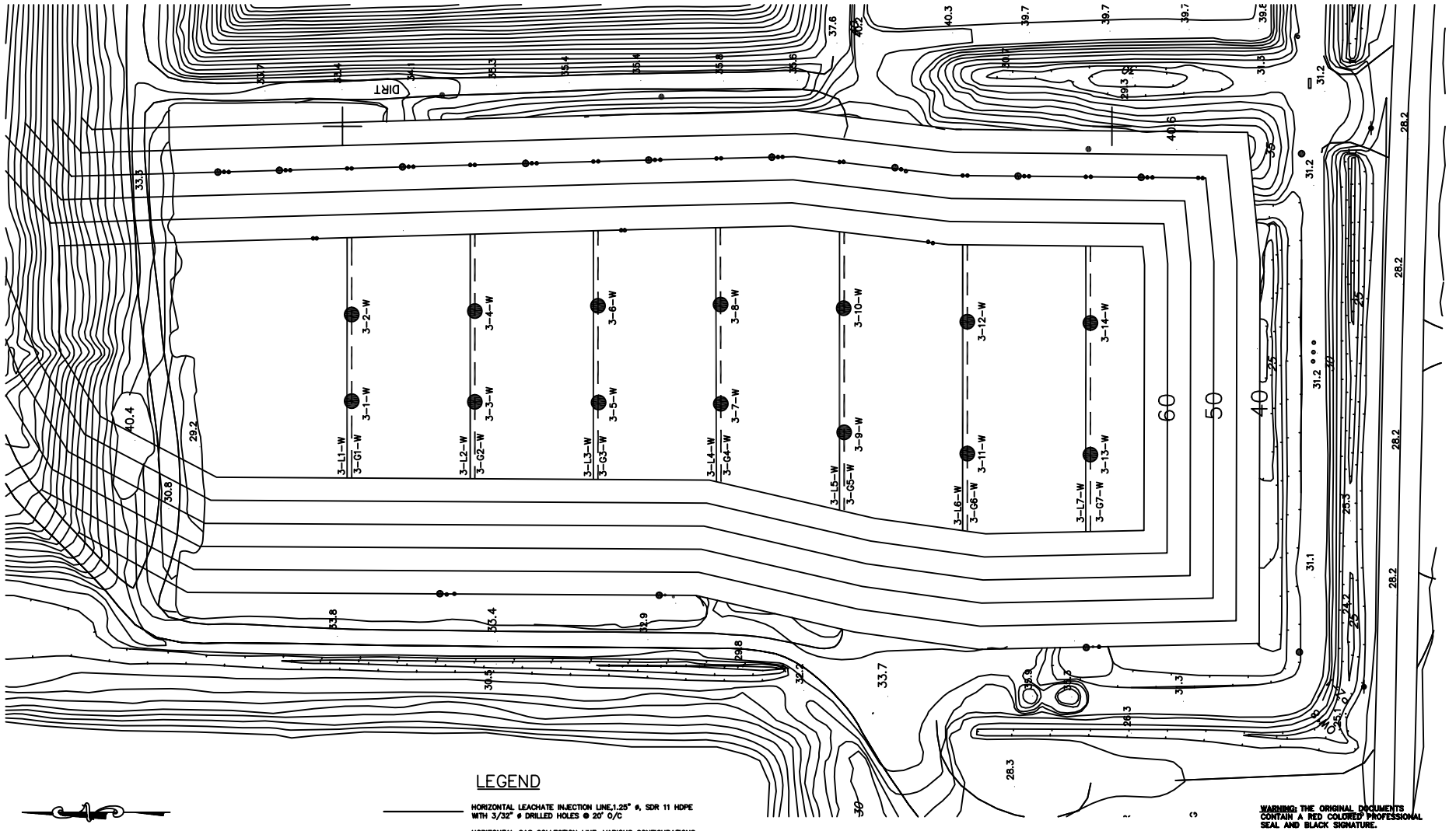
YOLO COUNTY CENTRAL LANDFILL

FULL SCALE BIOREACTOR WEST SIDE, LEVEL 2 PIPING AND INSTRUMENTATION PLAN

DRAWING NO. _____

W.O. NO.	9207
F.B. NO.	T-BK,R,3E
DESIGN BY	JDK
DRAWN BY	JDK
CHECKED BY	KK
FILE NAME	W:\DWG\9207.DWG
DATE	2/21/02

DETAIL 4-3



LEGEND

HORIZONTAL LEACHATE INJECTION LINE,1.25" ø, SDR 11 HDPE WITH 3/32" ø DRILLED HOLES @ 20' O/C

HORIZONTAL GAS COLLECTION LINE, VARIOUS CONFIGURATIONS

THERMISTER, QUALITY THERMISTER NTC PROBE, 10,000 OHM RESISTANCE AT 25°C, TOLERANCE ±0.2°C (0–100°C), AND PVC MOISTURE SENSOR.

3-01-W LEVEL 3, INSTRUMENT LOCATION 1, WEST ANAEROBIC MODULE

3-L1-W LEVEL 3, LEACHATE INJECTION LINE 1, WEST ANAEROBIC MODULE

3-G1-W LEVEL 3, GAS EXTRACTION LINE 1, WEST ANAEROBIC MODULE

30 15 0 30 60 120

GRAPHIC SCALE
1" = 30'

WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND BLACK SIGNATURE.

NO.	REVISIONS / DESCRIPTIONS	DATE	APPV

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

APPROVED _____ 19 _____ R. E. NO.

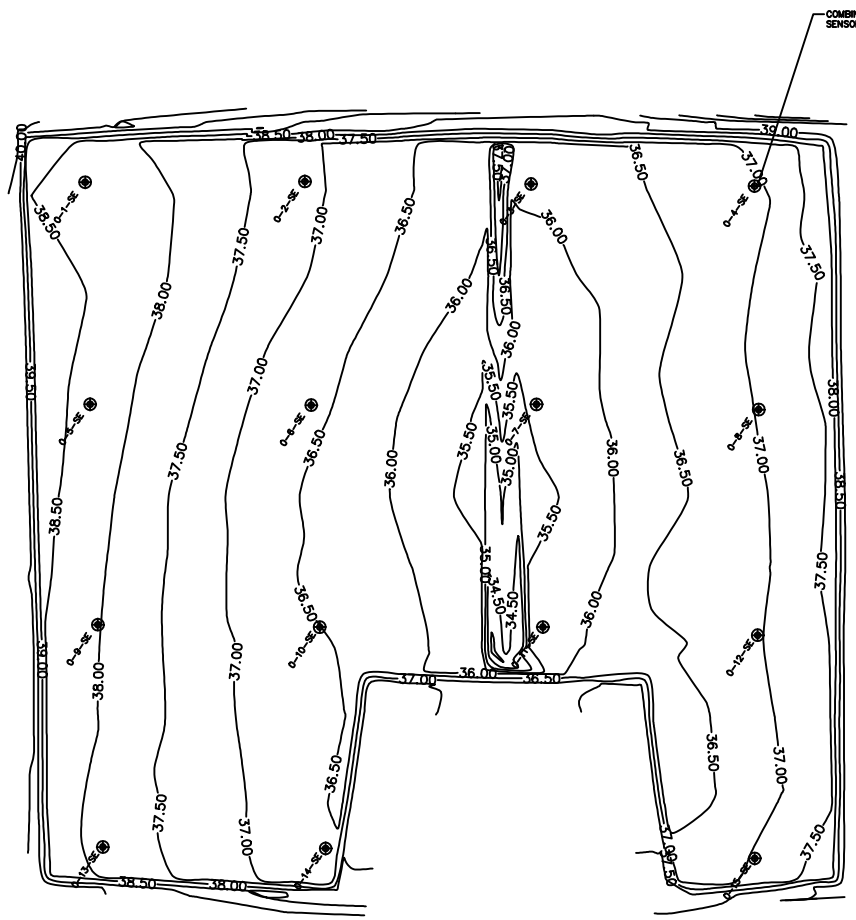
YOLO COUNTY CENTRAL LANDFILL

FULL SCALE BIOREACTOR WEST SIDE, LEVEL 3 PIPING AND INSTRUMENTATION PLAN

DRAWING NO. _____

W.O. NO.	9207
F.B. NO.	T.9N.R.3E.
DESIGN BY	JDK
DRAWN BY	JDK
CHECKED BY	KK
FILE NAME	
DATE	2/27/02

DETAIL 4-4



SENSOR DESIGNATION	NORTHING	EASTING	ELEVATION (MSL)
0-1-SE	1979442	6651322	38.4
0-2-SE	1979442	6651406	37
0-3-SE	1979442	6651482	36
0-4-SE	1979441	6651567	37
0-5-SE	1979367	6651334	38.2
0-6-SE	1979367	6651408	36.6
0-7-SE	1979367	6651484	35.5
0-8-SE	1979366	6651569	37
0-9-SE	1979493	6651336	38
0-10-SE	1979493	6651411	36.5
0-11-SE	1979493	6651486	35.6
0-12-SE	1979490	6651568	37
0-13-SE	1979419	6651338	37.9
0-14-SE	1979418	6651413	36.7
0-15-SE	1979415	6651557	37

LEGEND

● THERMISTER, QUALITY THERMISTER NTC PROBE, 10,000 OHM RESISTANCE AT 25°C, TOLERANCE ±0.2°C (0–100°C), PRESSURE SENSING TUBE, 1/4–INCH ID BY 3/8 OD LLDPE, AND, AT LOCATIONS 05, 07, 14, AND 15, A PVC MOISTURE SENSOR.

0-1-SE LEVEL 0, INSTRUMENT LOCATION 1, SOUTHEAST ANAEROBIC MODULE

NOTES

1. STRIPS OF GEOCOMPOSITE DRAIN NET PLACED UNDER LINER COOLING AND LINER COOLING/SETTLEMENT PIPES TO PROMOTE BETTER DRAINAGE UNDER PIPES.

AS-BUILT

WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND BLACK SIGNATURE.

20 10 0 20 40 60
GRAPHIC SCALE
1" = 20'

NO.	REVISIONS / DESCRIPTIONS	DATE	APPV

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

APPROVED _____ 19 ____ R. E. NO.

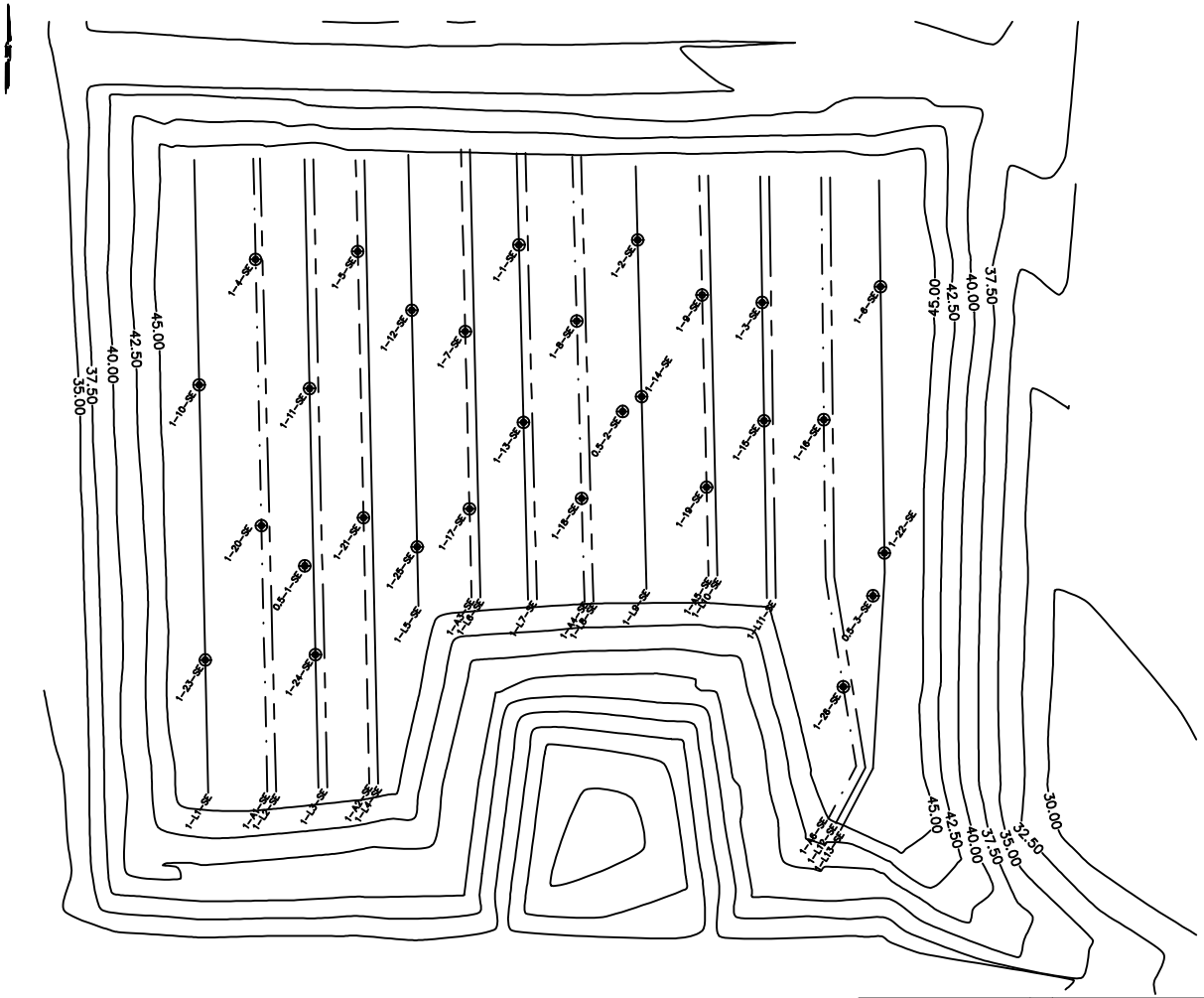
YOLO COUNTY CENTRAL LANDFILL
FULL-SCALE BIOREACTOR

SE AEROBIC MODULE LEVEL 0 PIPING AND INSTRUMENTATION

DRAWING NO. _____

W.O. NO.	9207
F.B. NO.	T.9N.R.3E.
DESIGN BY	JDK
DRAWN BY	JDK
CHECKED BY	RY
FILE NAME	—
DATE	6/6/02

DETAIL
5-2



SENSOR DESIGNATION	NORTHING	EASTING	ELEVATION (MSL)
1-1-SE	1979615	6851443	42
1-2-SE	1979617	6851484	43
1-3-SE	1979598	6851524	46
1-4-SE	1979611	6851364	44.5
1-5-SE	1979613	6851389	44
1-6-SE	1979601	6851268	37
1-7-SE	1979596	6851423	42
1-8-SE	1979580	6851463	43
1-9-SE	1979592	6851505	46
1-10-SE	1979568	6851335	44.5
1-11-SE	1979567	6851373	44.5
1-12-SE	1979563	6851407	44
1-13-SE	1979565	6851445	43
1-14-SE	1979564	6851485	43
1-15-SE	1979556	6851526	46
1-16-SE	1979556	6851346	47
1-17-SE	1979539	6851427	42
1-18-SE	1979530	6851469	43
1-19-SE	1979534	6851507	46
1-20-SE	1979521	6851356	44.5
1-21-SE	1979523	6851391	44
1-22-SE	1979511	6851567	47
1-23-SE	1979475	6851357	44.5
1-24-SE	1979477	6851475	44.5
1-25-SE	1979513	6851409	44
1-26-SE	1979466	6851553	47
0.5-1-SE	1979507	6851371	41
0.5-2-SE	1979559	6851478	39.5
0.5-3-SE	1979497	6851583	41

LEGEND

- HORIZONTAL LEACHATE INJECTION LINE,1.25" ø, SDR 11 HDPE WITH 3/32" ø DRILLED HOLES @ 10' O/C
- HORIZONTAL LEACHATE INJECTION LINE,1.25" ø, sCHEDULE 80 CPVC WITH 3/32" ø DRILLED HOLES @ 10' O/C
- HORIZONTAL AIR COLLECTION LINE, ALTERNATING 4 AND 6-INCH CPVC
- HORIZONTAL AIR COLLECTION LINE, ALTERNATING 6 AND 8-INCH COORIGATED METAL PIPE WITH HDPE INJECTION LINE INSIDE.
- ● THERMISTER, QUALITY THERMISTER NTC PROBE, 10,000 OHM RESISTANCE AT 25°C, TOLERANCE ±0.2°C (0-100°C), PRESSURE SENSING TUBE, 1/4-INCH ID BY 3/8 OD LLDPE, AND PVC MOISTURE SENSOR.
- 0.5-1-SE LEVEL 0.5, INSTRUMENT LOCATION 1, SOUTHEAST ANAEROBIC MODULE
- 1-1-SE LEVEL 1, INSTRUMENT LOCATION 1, SOUTHEAST ANAEROBIC MODULE
- 1-L1-SE LEVEL 1, LEACHATE INJECTION LINE 1, SOUTHEAST ANAEROBIC MODULE
- 1-A1-SE LEVEL 1, AIR COLLECTION LINE 1, SOUTHEAST MODULE

NOTES

1. ALL PIPING AND INSTRUMENTATION INSTALLED IN 3-FOOT WIDE BY 2-FOOT DEEP TRENCH. ALL TRENCHES WERE BACKFILLED WITH TIRES.
2. SENSORS DESIGNATED 0.5 WERE INSTALLED APPROXIMATELY 4-FEET ABOVE THE AEROBIC LINER.

AS-BUILT

WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND BLACK SIGNATURE.

20 10 0 20 40 60
GRAPHIC SCALE
1" = 20'

NO.	REVISIONS / DESCRIPTIONS	DATE	APPV

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

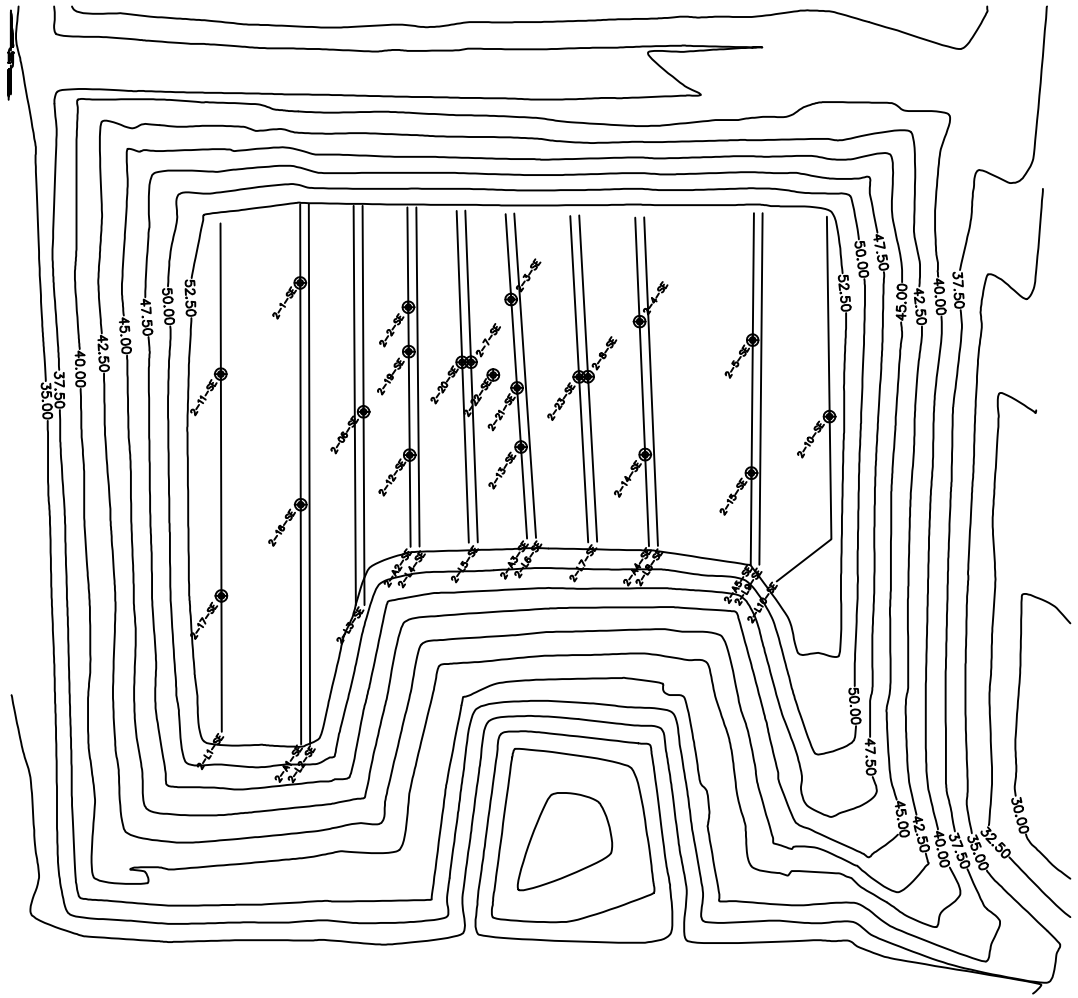
APPROVED _____ 19 ____ R. E. NO. _____

YOLO COUNTY CENTRAL LANDFILL
FULL-SCALE BIOREACTOR
SE AEROBIC MODULE LEVEL 1 PIPING AND INSTRUMENTATION

DRAWING NO. _____

W.O. NO.	9207
F.B. NO.	T.9NR.3E.
DESIGN BY	JDK
DRAWN BY	JDK
CHECKED BY	RY
FILE NAME	
DATE	6/8/02

DETAIL 5-3



SENSOR DESIGNATION	NORTHING	EASTING	ELEVATION (MSL)
2-1-SE	1979604	6851380	51
2-2-SE	1979596	6851417	51
2-3-SE	1979589	6851452	52
2-4-SE	1979581	6851495	52.5
2-5-SE	1979585	6851433	52
2-6-SE	1979561	6851402	51
2-7-SE	1979572	6851435	51.5
2-8-SE	1979572	6851475	52
2-9-SE	NOT INSTALLED		
2-10-SE	1979559	6851559	52
2-11-SE	1979573	6851454	51
2-12-SE	1979546	6851418	51
2-13-SE	1979549	6851455	52
2-14-SE	1979548	6851497	52.5
2-15-SE	1979540	6851433	52
2-16-SE	1979529	6851381	51
2-17-SE	1979498	6851354	51
2-18-SE	SENSOR LOST		
2-19-SE	1979561	6851417	51
2-20-SE	1979577	6851435	56
2-21-SE	1979569	6851454	57
2-22-SE	1979574	6851446	56
2-23-SE	1979572	6851475	57

LEGEND

- HORIZONTAL LEACHATE INJECTION LINE,1.25" ø, SDR 11 HDPE WITH 3/32" ø DRILLED HOLES @ 10' O/C
- HORIZONTAL LEACHATE INJECTION LINE,1.25" ø, sCHEDULE 80 CPVC WITH 3/32" ø DRILLED HOLES @ 10' O/C
- HORIZONTAL AIR COLLECTION LINE, ALTERNATING 4 AND 6-INCH CPVC
- HORIZONTAL AIR COLLECTION LINE, ALTERNATING 6 AND 8-INCH COORIGATED METAL PIPE WITH HDPE INJECTION LINE INSIDE.
- ● THERMISTER, QUALITY THERMISTER NTC PROBE, 10,000 OHM RESISTANCE AT 25°C, TOLERANCE ±0.2°C (0-100°C), PRESSURE SENSING TUBE, 1/4-INCH ID BY 3/8 OD LLDPE, AND PVC MOISTURE SENSOR.
- 2-1-SE LEVEL 2, INSTRUMENT LOCATION 1, SOUTHEAST ANAEROBIC MODULE
- 2-L1-SE LEVEL 2, LEACHATE INJECTION LINE 1, SOUTHEAST ANAEROBIC MODULE
- 2-A1-SE LEVEL 2, AIR COLLECTION LINE 1, SOUTHEAST MODULE

NOTES

1. ALL PIPING AND INSTRUMENTATION INSTALLED IN 3-FOOT WIDE BY 2-FOOT DEEP TRENCH. ALL TRENCHES WERE BACKFILLED WITH TIRES.
2. SENSORS DESIGNATED 0.5 WERE INSTALLED APPROXIMATELY 4-FEET ABOVE THE AEROBIC LINER.

AS-BUILT

WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND BLACK SIGNATURE.

20 10 0 20 40 60
GRAPHIC SCALE
1" = 20'

NO.	REVISIONS / DESCRIPTIONS	DATE	APPV

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

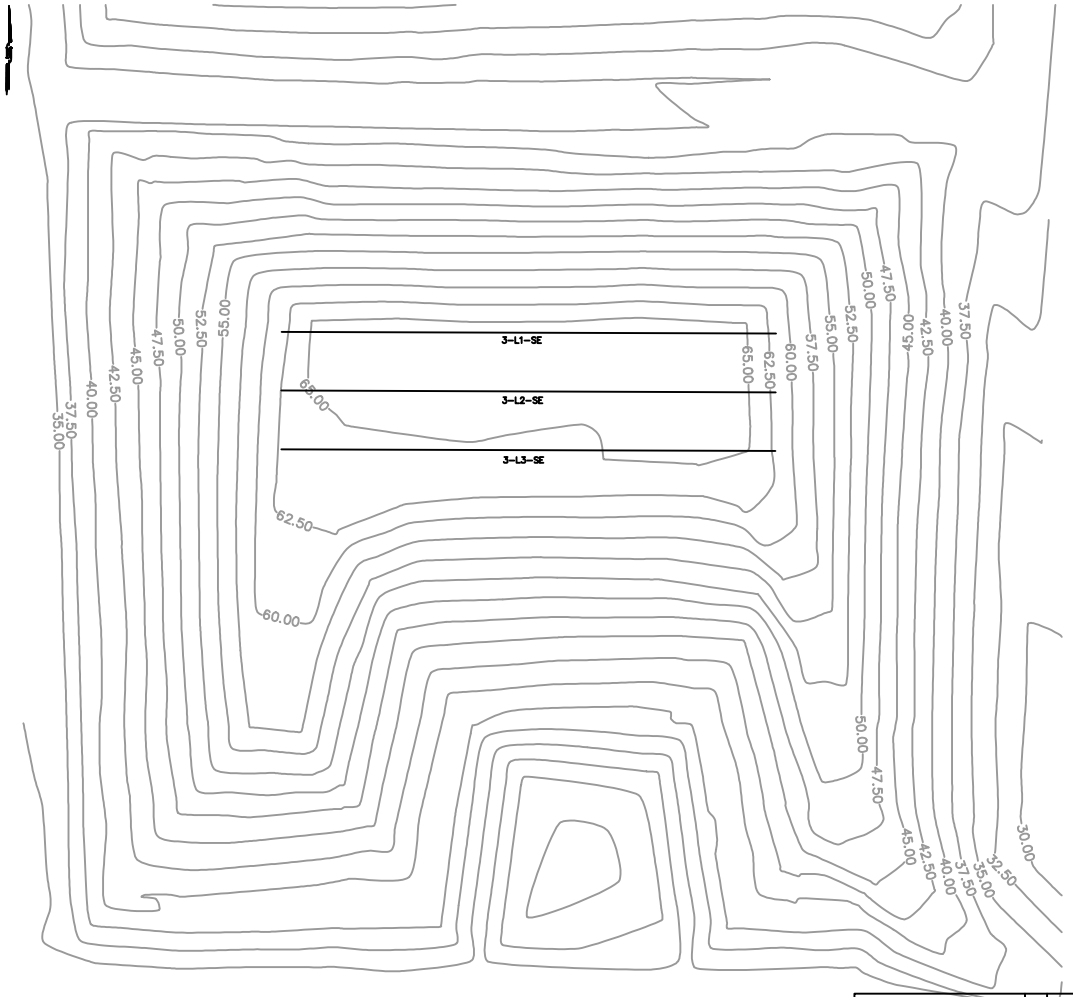
APPROVED _____ 19 ____ R. E. NO.

YOLO COUNTY CENTRAL LANDFILL
FULL-SCALE BIOREACTOR
SE AEROBIC MODULE LEVEL 2 PIPING AND INSTRUMENTATION

DRAWING NO.

W.O. NO.	9207
F.B. NO.	T.BK/8.3E
DESIGN BY	JDK
DRAWN BY	JDK
CHECKED BY	RY
FILE NAME	
DATE	8/8/02

DETAIL
5-4



20 10 0 20 40 60

GRAPHIC SCALE
1" = 20'

LEGEND

HORIZONTAL LEACHATE INJECTION LINE,1.25" ø, SDR 11 HDPE WITH 3/32" ø DRILLED HOLES @ 10' O/C

3-L1-SE LEVEL 3, LEACHATE INJECTION LINE 1, SOUTHEAST ANAEROBIC MODULE

NOTES

1. ALL PIPING AND INSTRUMENTATION INSTALLED IN 3-FOOT WIDE BY 2-FOOT DEEP TRENCH. ALL TRENCHES WERE BACKFILLED WITH TIRES.

AS-BUILT

WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND BLACK SIGNATURE.

NO	REVISIONS / DESCRIPTIONS	DATE	APP'V

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

APPROVED _____ 19____ R. E. NO. _____

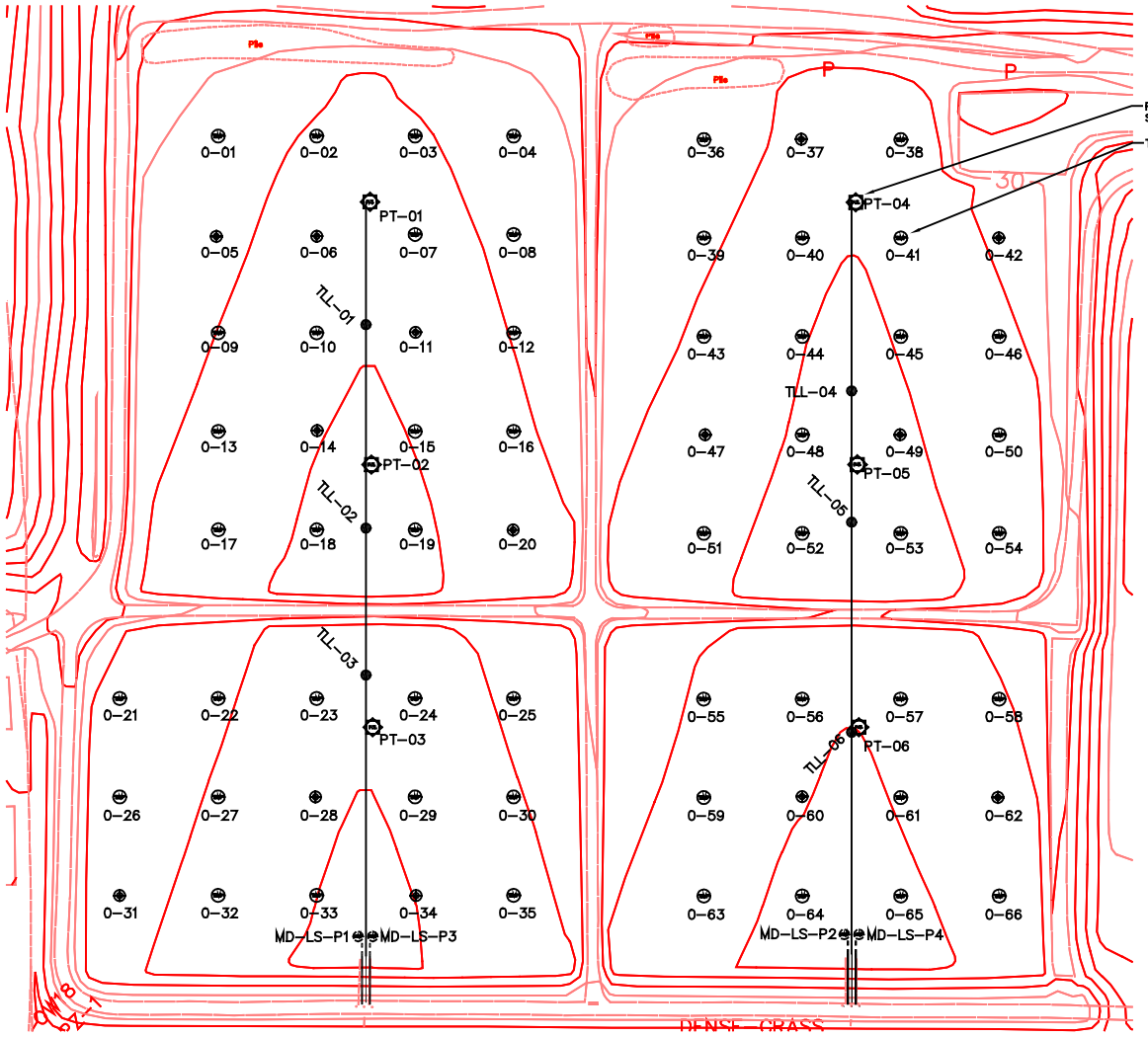
YOLO COUNTY CENTRAL LANDFILL
FULL-SCALE BIOREACTOR
SE AEROBIC MODULE LEVEL 3 PIPING AND INSTRUMENTATION

DRAWING NO. _____

W.O. NO.	9207
F.B. NO.	T.9N.R.3E.
DESIGN BY	JDX
DRAWN BY	JDX
CHECKED BY	RY
FILE NAME	
DATE	8/6/02

DETAIL
5-5

MONITORING POINT COORDINATES			
SENSOR DESIGNATION	NORTHING	EASTING	ELEVATION (MSL)
0-01	1980033	6650992	29
0-02	1980033	6651067	28
0-03	1980033	6651142	28
0-04	1980033	6651217	29
0-05	1979958	6650992	29
0-06	1979958	6651067	27.5
0-07	1979958	6651142	27.5
0-08	1979958	6651217	29
0-09	1979883	6650992	28
0-10	1979883	6651067	27
0-11	1979883	6651142	27
0-12	1979883	6651217	28.5
0-13	1979808	6650992	28
0-14	1979808	6651067	26.5
0-15	1979808	6651142	26.5
0-16	1979808	6651217	28
0-17	1979733	6650992	27.5
0-18	1979733	6651067	26
0-19	1979733	6651142	26
0-20	1979733	6651217	27.5
0-21	1980030	6651362	29
0-22	1980030	6651437	27.5
0-23	1980030	6651512	27.5
0-24	1979955	6651362	28
0-25	1979955	6651437	27
0-26	1979955	6651512	27
0-27	1979955	6651587	28.5
0-28	1979880	6651362	28
0-29	1979880	6651437	26.5
0-30	1979880	6651512	26.5
0-31	1979880	6651587	28
0-32	1979805	6651362	27.5
0-33	1979805	6651437	26
0-34	1979805	6651512	26
0-35	1979805	6651587	27.5
0-36	1979730	6651362	27
0-37	1979730	6651437	25.5
0-38	1979730	6651512	25.5
0-39	1979730	6651587	27
0-40	1979604	6650917	28
0-41	1979604	6650922	26
0-42	1979604	6651067	25
0-43	1979604	6651142	25
0-44	1979604	6651217	26.5
0-45	1979529	6650917	27
0-46	1979529	6650922	26
0-47	1979529	6651067	24.5
0-48	1979529	6651142	24.5
0-49	1979529	6651217	26
0-50	1979454	6650917	27
0-51	1979454	6650922	25.5
0-52	1979454	6651067	24
0-53	1979454	6651142	24
0-54	1979454	6651217	25.5
0-55	1979604	6651362	26
0-56	1979604	6651437	24.5
0-57	1979604	6651512	24.5
0-58	1979604	6651587	26
0-59	1979529	6651362	25.5
0-60	1979529	6651437	24
0-61	1979529	6651512	24
0-62	1979529	6651587	25.5
0-63	1979454	6651362	25
0-64	1979454	6651437	24
0-65	1979454	6651512	23.5
0-66	1979454	6651587	25



INSTRUMENT DESIGNATION

0-02	THERMISTER, MOISTURE SENSOR, AND PRESSURE SENSING TUBE DESIGNATION. 0-02 DESIGNATES LEVEL 0, INSTRUMENT NUMBER 2
PT-01	PRESSURE TRANSDUCER AND PRESSURE SENSING TUBE. PT-01 DESIGNATES PRESSURE TRANSDUCER NUMBER 1
TLL-01	TRENCH LIQUID LEVEL, LOCATION 1

LEGEND

- PRESSURE TRANSDUCER, DRUCK MODEL PTX 1830, 0-1 PSIG
- THERMISTER, QUALITY THERMISTER NTC PROBE, 10,000 OHM RESISTANCE AT 25°C, TOLERANCE ±0.2°C (0-100°C). AND PRESSURE SENSING TUBE, 1/4-INCH ID BY 3/8 OD LLDPE.
- THERMISTER, QUALITY THERMISTER NTC PROBE, 10,000 OHM RESISTANCE AT 25°C, TOLERANCE ±0.2°C (0-100°C), PRESSURE SENSING TUBE, 1/4-INCH ID BY 3/8 OD LLDPE, AND PVC MOISTURE SENSOR.
- PRESSURE SENSING TUBE, 1/4-INCH ID BY 3/8 OD LLDPE.

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NO.	REVISIONS / DESCRIPTIONS	DATE	APPV

YOLO COUNTY
DEPARTMENT OF PLANNING & PUBLIC WORKS
DIVISION OF INTEGRATED WASTE MANAGEMENT
292 WEST BEAMER ST., WOODLAND, CA 95695

ASSISTANT DIRECTOR OF PUBLIC WORKS

APPROVED _____ 20__ R. E. NO.

YOLO COUNTY CENTRAL LANDFILL
FULL SCALE BIOREACTOR
BASE LINER INSTRUMENTATION PLAN

DRAWING NO. DETAIL 6-3

W.O. NO.	9209
FIL. NO.	7
DESIGN BY	JDK
DRAWN BY	JDK
CHECKED BY	RY
FILE NAME	BASE_INST
DATE	8/14/00