From: Klene, David
To: Wren, Kira

Cc: Klopfenstein, Jeremiah; brent.miller; Bradley S. Hartz

Subject: Jay County LF GCCS Certification report

Date: Tuesday, July 2, 2024 1:28:48 PM

Attachments: <u>image001.png</u>

IDEM Jay County 2024 GCCS Certification Report.pdf

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Hi Kira,

Attached, please find the Jay County Landfill (FP 38-01) GCCS Certification Report.

Please let me know if you need any additional information.

Thanks,

Dave Klene CGS Services (now Crossroads Eco Center) Site Engineer dklene1@wm.com Cell: (317) 695-2542

2920 E. US 52, PO Box 212 | Morristown | Indiana 46161



Waste Management



PREPARED FOR:

Waste Management of Indiana, L.L.C. Jay County Landfill 5825 West County Road 400 South Portland, IN 47371

PREPARED BY:

T&M Associates 301 East Washington Street Suite 404 Indianapolis, IN 46204

CONSTRUCTION CERTIFICATION REPORT – 2024 GCCS PROJECT

FACILTY PERMIT NO.: 38-01

JAY COUNTY LANDFILL 5825 WEST COUNTY ROAD 400 SOUTH JAY COUNTY, PORTLAND, INDIANA

T&M PROJECT NO. WMMW00088 June 2024







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DRAWINGS

Drawing 1 2024 GCCS Record Drawing

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1.0 INTRODUCTION

system GCCS construction project for the municipal solid waste landfill located near Portland, Indiana. June 18, 2024 2024. The gas extraction system HDPE piping installation started on June 3, 2024, and was completed on The landfill gas extraction wells (15) were drilled on March 22, 2024, and were completed on March 28, Jay County Landfill (Jay County) has completed the construction associated with the 2024 landfill gas

general conformance with the approved design specifications. This report identifies modifications assurance inspection and documentation of construction activities associated with the 2024 GCCS project. The inspection and documentation performed by T&M personnel indicate the completed work to be in required during the construction, in Section 3.0 Jay County retained T&M Associates (T&M) of Indianapolis, Indiana to provide third party quality

and force main pipe installation services. T&M Associates of Indianapolis, Indiana provided as-built survey Contracting Corporation, Ft. Wayne, Indiana (Fox) performed the HDPE gas header/lateral pipe, airline, Landfill Drilling & Piping, Sun Prairie, Wisconsin (LDP) performed the gas extraction well installation. Fox

of the quality assurance program implemented during construction associated with the 2024 gas system construction project. Included in this report are the following specific items: This report, with accompanying appendices and construction record drawings, provides documentation

- V with the GCCS design documents; Certification that the fifteen (15) gas extraction wells were constructed in a manner consistent
- V airline were constructed in a manner consistent with the GCCS design documents, Certification that the gas system HDPE header/lateral piping, condensate force main piping, and
- V HDPE header/lateral, airline, and condensate piping were properly pressure tested;
- V HDPE header/lateral, condensate force main, and airline as-built drawings; and
- Cover system integrity is not compromised

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2.0 PROJECT DESIGN

practices/design documents. ("Amended NSPS Collection and Control System Design Plan and Surface Monitoring Plan for Jay County procedures. The system was constructed in general accordance with the permitted design plans Management landfill gas system design manual, best management practices, and standard operating Landfill", dated October 2003 and revised March 2006) and Waste Management best management The design guidance and typical specifications for the 2024 GCCS project are outlined in the Waste

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3.0 MODIFICATION FROM THE DESIGN

and upgrades were required as follows: constructed in general conformance with the design plans and specifications. However, minor variations lateral piping, 2-inch HDPE airline piping, the 3-inch HDPE condensate force main piping were The installation of fifteen (15) gas extraction wells and the 12-inch HDPE header piping, 6-inch HDPE

- 1 that deviated from design. All wells were drilled within the drill bucket diameter of the staked As-built depths and locations of some of the extraction wells varied slightly from the design well location. depth or location. These changes were due to drilling conditions, or topographic conditions
- 2) necessitated installing the infrastructure to "field fit" existing conditions. locations. As-built locations of some of the HDPE header/lateral piping varied slightly from the design Existing topography, site conditions, and landfill gas extraction well locations

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4.0 CONSTRUCTION AND INSPECTION PROCEDURES

force main pipe were installed in addition to the required flanges, risers, etc. inch HDPE gas lateral pipe, 2,373 LF of 2-inch HDPE airline pipe, 1,995 LF of 3-inch HDPE gas condensate included the wellhead assemblies. Approximately 598 LF of 12-inch HDPE gas header pipe, 689 LF of 6-Construction included the installation of fifteen (15) gas extraction wells totaling 913 feet in depth, this completed construction is included herein. A description of the

4.1 VERTICAL GAS EXTRACTION WELL INSTALLATION

Ę extraction wells. The drill logs are included in Appendix A. above the ground elevation. There was a total combined well depth of 913 feet for the landfill gas seal, eleven (11) feet of soil, a two (2) foot bentonite seal, and a four (4) foot Schedule 80 PVC extension the well, gravel pack to within fifteen (15) feet of the existing ground elevation, a two (2) foot bentonite configuration consisted installed മ total of fifteen (15) gas extraction wells of a perforated and solid Schedule 80 PVC gas extraction pipe the entire depth of (Table 1) during the project. Typical well

4.2 HDPE GAS COLLECTION PIPE INSTALLATION

pipe, 2,373 LF of 2-inch HDPE airline pipe, 1,995 LF of 3-inch HDPE gas condensate force main pipe Fox installed approximately 598 LF of 12-inch HDPE gas header pipe, 689 LF of 6- inch HDPE gas lateral

soil material that was excavated from the trench, or soil obtained from approved borrow areas, header/lateral piping was graded to match the existing cover grades. The area was ready for seeding and gas header to a minimum thickness of twenty-four inches of soil cover. The cover over the newly installed disposal and soil cover over the piping. Solid waste that was encountered was hauled to the active working face desired pipe grade and additional soil was added in some areas to ensure at least a twenty-four (24) inch inches below grade for placement using a CAT 330 excavator. The trench depth varied to maintain the mulching to ensure a good vegetative cover. gas header trench was typically excavated to a depth of approximately thirty-six (36) to forty (40) all extra soil material was regraded to match the existing final cover slopes. Fox placed the over the

condensate header/lateral piping was air pressure tested Standard butt-fusion welding techniques were used to join adjacent sections of HDPE pipe. The period force with main were tested a maximum allowable pressure to a minimum of 100psig and at a pressure of equal to or greater than 10-psig over a one loss of 1%. 50 psig respectfully over a one hour The 2-inch airline and 3-inch HDPE HDPE

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presented in Appendix B. period with a maximum 1% pressure loss. All pressure testing showed passing results and the data is

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5.0 CONSTRUCTION QUALITY ASSURANCE

verify that both conformed to the design requirements. Items monitored included the following: materials which were being used during construction as well as monitoring construction procedures to Conformance observation performed and documented by T&M consisted of visually monitoring the

- V well seals; Gas extraction well drilling depths, installation of the PVC perforated piping, gravel backfill, and
- V Gas header/lateral pipe, airline, and condensate force main pipe schedule rating, dimensions and
- Gas header/lateral pipe, airline, and condensate force main pipe butt-fusion welding
- Gas header/lateral pipe, airline, and condensate force main pipe air pressure testing; and
- Repairs to the cover system, ensuring system integrity.

this facility. Any areas or construction items that were modified from the project specifications are clearly design specifications and quality assurance program as required in the facility's solid waste permit for gas system indicate that the construction was completed in substantial compliance with the project identified herein. The observations made by T&M during inspection of construction activities associated with the landfill

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6.0 SUMMARY

3, 2024, and was completed on June 18, 2024 system construction at the Jay County Landfill, Portland, Indiana for the installation of fifteen (15) gas were completed on March 28, 2024. The gas extraction system HDPE piping installation started on June leachate collection system. The landfill gas extraction wells (15) were drilled on March 22, 2024, and piping, the installation of the 2-inch airline, and 3-inch HDPE condensate force main from the wells to the extraction wells (combined depth of 913 feet), the installation of HDPE gas collection header/lateral T&M provided construction quality assurance engineering and monitoring services during the landfill gas

construction was accomplished in substantial conformance with the project design specifications the monitoring of construction associated with the landfill gas system project indicate that the verification, and survey coordination for record documentation. The observations made by T&M during HDPE piping installation, downhole pump airlines, condensate HDPE force main installation, materials The quality assurance program included gas extraction well installation, gas collection header/lateral

warranties, either expressed or implied, are made herein. documentation and construction certification reports This report has been prepared in keeping with accepted standards of practice for the preparation of record and using T&M's professional judgment. No

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7.0 ENGINEER CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that I am authorized to submit this information."

T&M ASSOCIATES, INC.

No. PE60860170

STATE OF

WOLAND

STATE

STATE OF

WOLAND

STATE

STATE OF

WOLAND

STATE

STATE OF

WOLAND

STATE OF

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This item has been electronically signed and sealed by Bradley Hartz, PE using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

6/28/2024

Bradley S. Hartz, P.E.
State of Indiana
Professional Engineer Registration No. PE60860170
Expires July 31, 2024

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TABLE 1
Jay County LF 2024 GCCS Construction

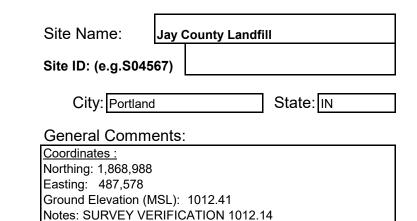
Well I.D.	<u>Northing</u>	<u>Easting</u>	Ground Surface Elevation	Comment	Clay Liner Elevation	Drainage Layer Elevation	10' from Drainage Layer	Calculated Bore Elevation	Calculated Bore Depth
JCEW0127	1,868,988	487,578	1,012	New Well	934	935	10	945	67
JCEW0128	1,868,970	487,649	1,021	New Well	935	936	10	946	75
JCEW0129	1,868,938	487,834	1,036	New Well	950	951	10	961	75
JCEW0130	1,868,855	487,457	1,023	New Well	928	932	10	942	81
JCEW225R	1,868,825	487,953	1,044	Re-Drill	962	963	10	973	71
JCEW0131	1,868,779	487,839	1,040	New Well	983	984	10	994	46
JCEW099R	1,868,732	487,717	1,032	Re-Drill	957	958	10	968	64
JCEW0132	1,868,533	487,767	1,040	New Well	979	980	10	990	50
JCEW226R	1,868,319	487,718	1,035	Re-Drill	991	992	10	1002	33
JCEW121R	1,868,198	487,684	1,037	Re-Drill	988	989	10	999	38
JCEW0126	1,868,091	487,746	1,040	New Well	1002	1003	10	1013	27
JCEW0125	1,867,692	487,988	1,046	New Well	954	955	10	965	81
JCEW229R	1,869,070	487,818	1,029	Re-Drill	958	959	10	969	60
JCE302RR	1,869,118	487,936	1,028	Re-Drill	942	943	10	953	75
JCEW32RR	1,868,978	487,994	1,041	Re-Drill	937	938	10	948	93

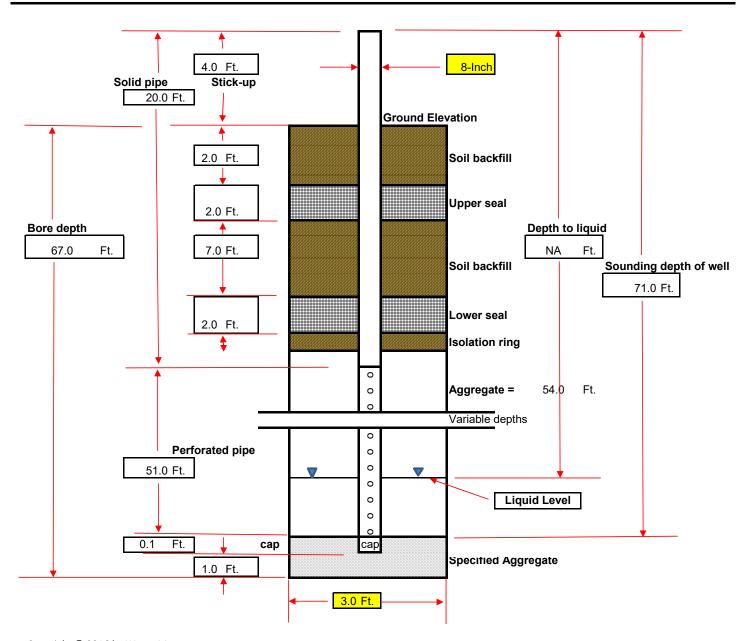


Appendix A

Drill Logs

JCEW0127	Alias
Date Installed:	3/27/2024
Installation Co	ontractor:
Landfill Drilling 8	& Piping
Pipe Material:	Schedule 80 PVC





JCEW0128	Alias
Date Installed:	3/25/2024
Installation C	ontractor:
Landfill Drilling	& Piping
Pipe Material:	Schedule 80 PVC

Site Name: Jay County Landfill

Site ID: (e.g.S04567)

City: Portland State: IN

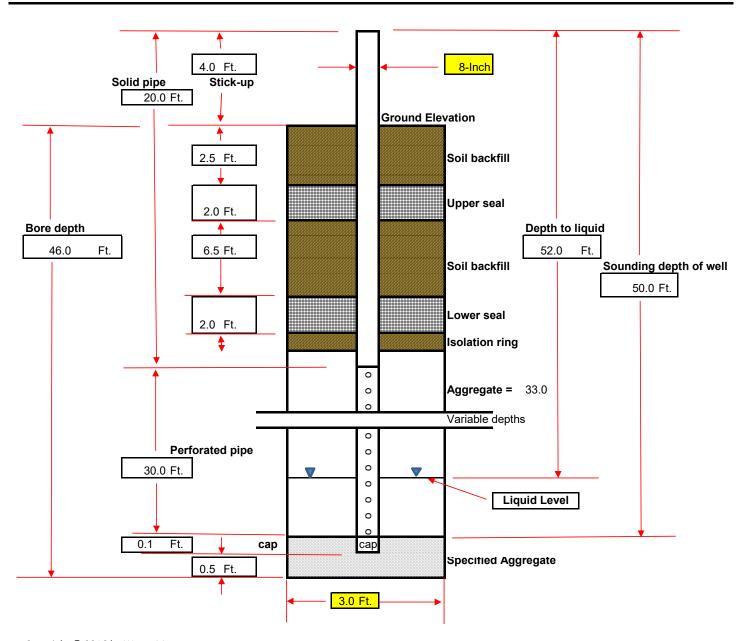
General Comments:

Coordinates:
Northing: 1,868,825

Coordinates : Northing: 1,868,825 Easting: 487,952

Ground Elevation (MSL): 1043.51

Notes: SURVEY VERIFICAION ELEVATION 1043.2



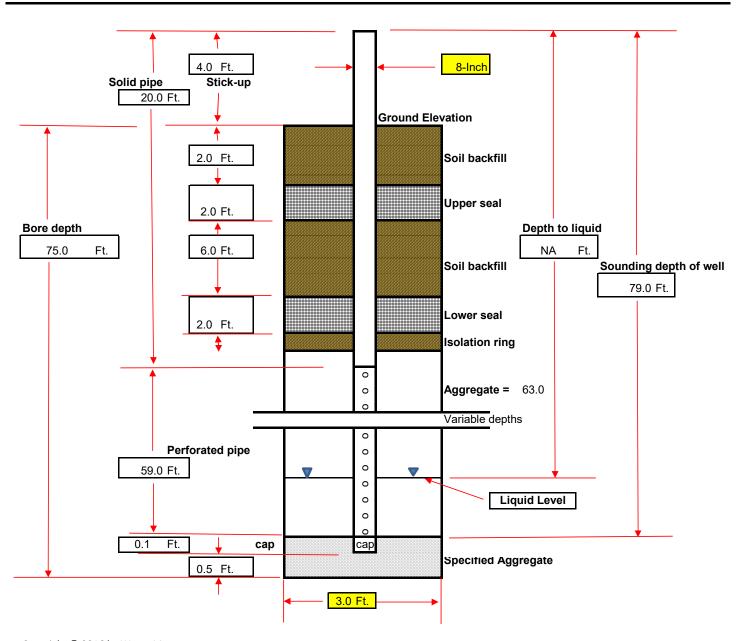
LGMS ID	Alias
JCEW0129	
Date Installed	3/26/2024
Installation C	contractor:
Landfill Drilling	& Piping
Pipe Material	Schedule 80 PVC

Site Name: Jay County Landfill Site ID: (e.g.S04567) State: IN City: Portland **General Comments:** Coordinates: Northing: 1,868,938

Easting: 487,834

Ground Elevation (MSL): 1036

Notes: SURVEY VERIFICATION ELEVATION 1035.9



LGMS ID	Alias
JCEW0130	
Date Installed	: 3/27/2024
Installation C	Contractor:
Landfill Drilling	& Piping
Pipe Material	: Schedule 80 PVC

Site Name: Jay County Landfill

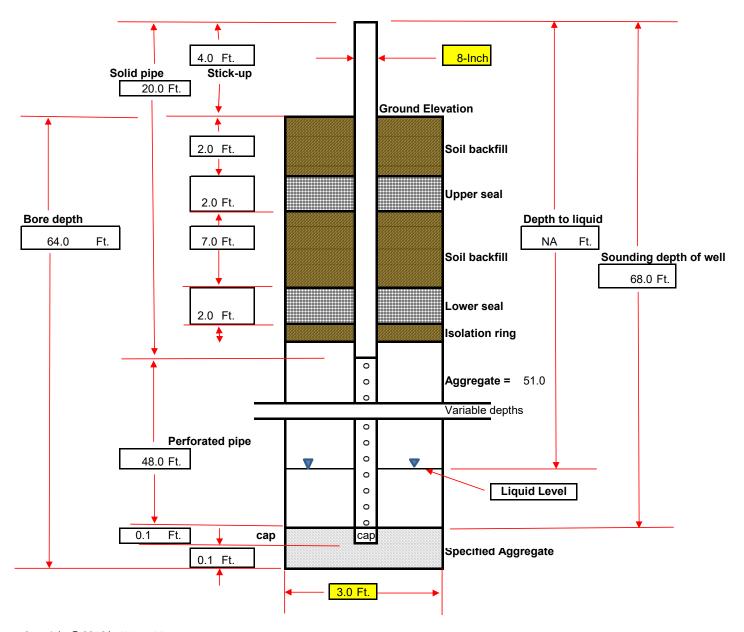
Site ID: (e.g.S04567)

City: Portland State: IN

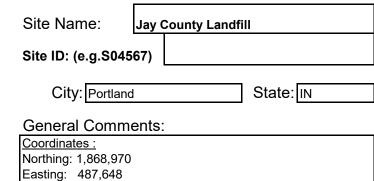
General Comments:

Coordinates:
Northing: 1,868,732
Easting: 487,716

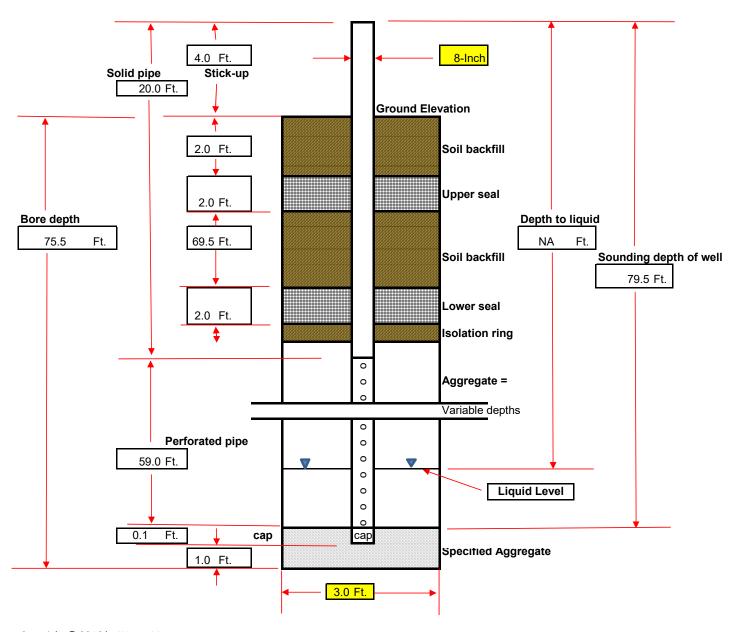
Ground Elevation (MSL): 1032.39
Notes: SURVEY VERIFICATION 1032.2



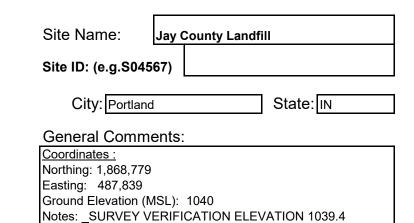
LGMS ID JCEW225R	Alias
Date Installed:	3/27/2024
Installation C	
Landin Brining	ω r ipinig
Pipe Material:	Schedule 80 PVC

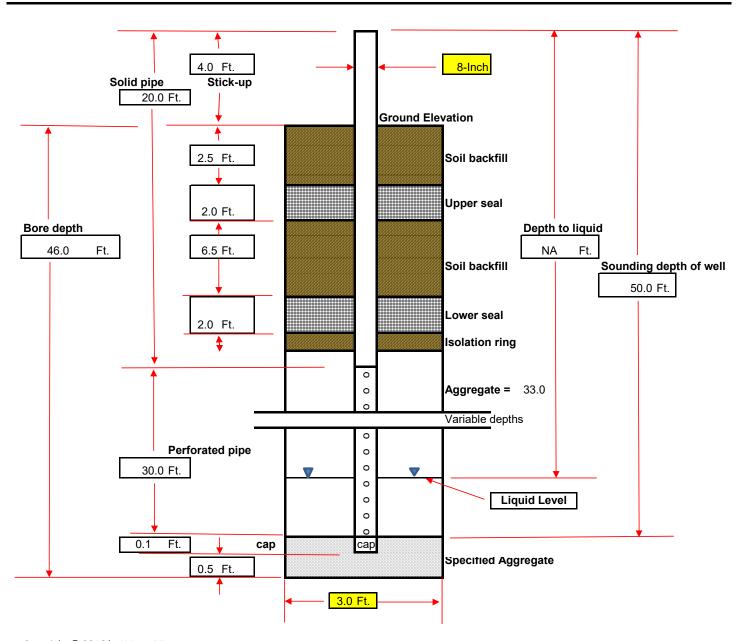


Ground Elevation (MSL): 1020.51
Notes: SURVEY VERIFICATION 1020.1

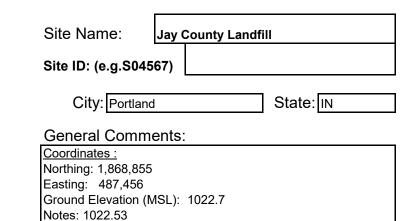


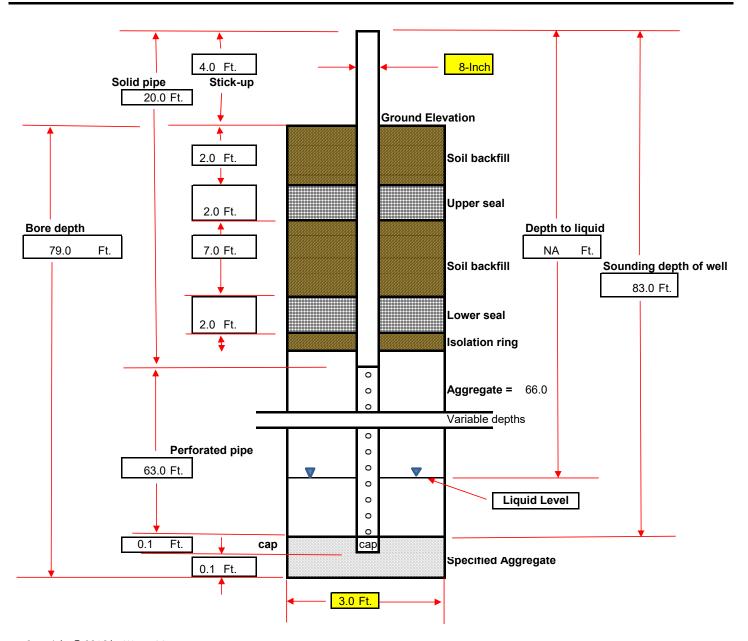
LGMS ID	Alias
JCEW0131	
Date Installed:	3/25/2024
Installation Co	ontractor:
Landfill Drilling 8	& Piping
Pipe Material:	Schedule 80 PVC





LGMS ID	Alias	
JCEW099R		
Date Install	ed: <u>3/27/2024</u>	
Installation	n Contractor:	
Landfill Drill	ing & Piping	
Pine Mater	rial: Schedule 80 PVC	
Date Install Installation Landfill Drill	ed: 3/27/2024 n Contractor:	





LGMS ID	Alias
JCEW0132	
Date Installed	3/28/2024
Installation C	ontractor:
Landfill Drilling	& Piping
Pipe Material	Schedule 80 PVC

Site Name: Jay County Landfill

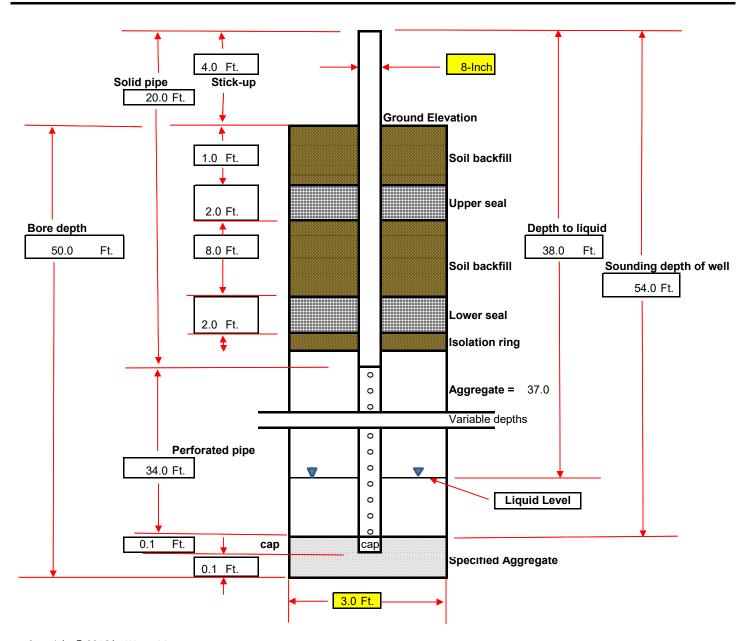
Site ID: (e.g.S04567)

City: Portland State: IN

General Comments:

Coordinates:
Northing: 1,868,533
Easting: 487,767
Ground Elevation (MSL): 1040

Notes: Surey verified 1039.5



LGMS ID JCEW226R	Alias
Date Installed:	3/25/2024
Installation Co	
Landfill Drilling	& Piping
Pipe Material:	Schedule 80 PVC

Site Name: Jay County Landfill

Site ID: (e.g.S04567)

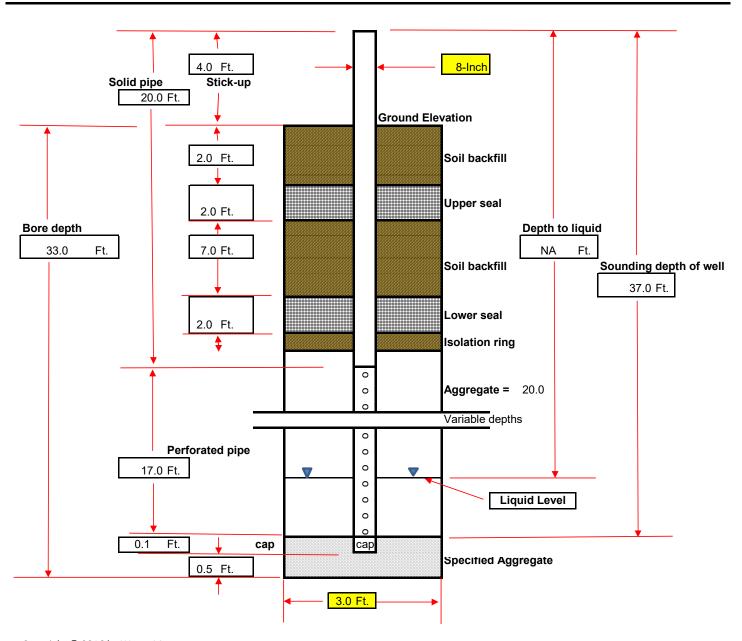
City: Portland State: IN

General Comments:

Coordinates : Northing: 1,868,319 Easting: 487,718

Ground Elevation (MSL): 1035

Notes: SURVEY VERIFICATION ELEVATION 1035.1



LGMS ID JCEW121R	Alias
Date Installed:	
Landfill Drilling	& Piping
Pipe Material:	Schedule 80 PVC

Site Name: Jay County Landfill

Site ID: (e.g.S04567)

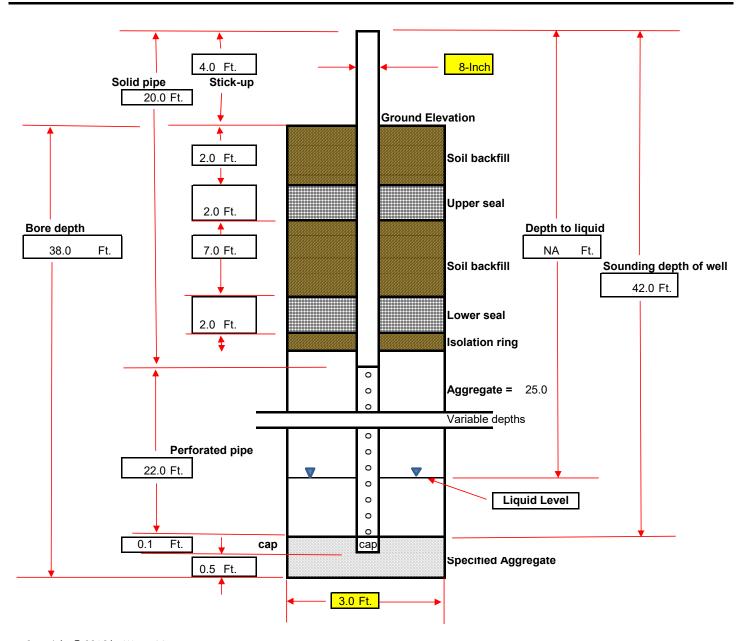
City: Portland State: IN

General Comments:

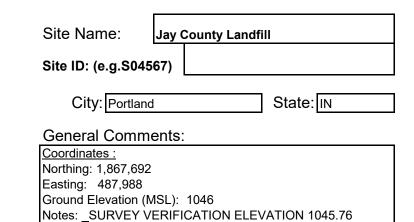
Coordinates : Northing: 1,868,198 Easting: 487,684

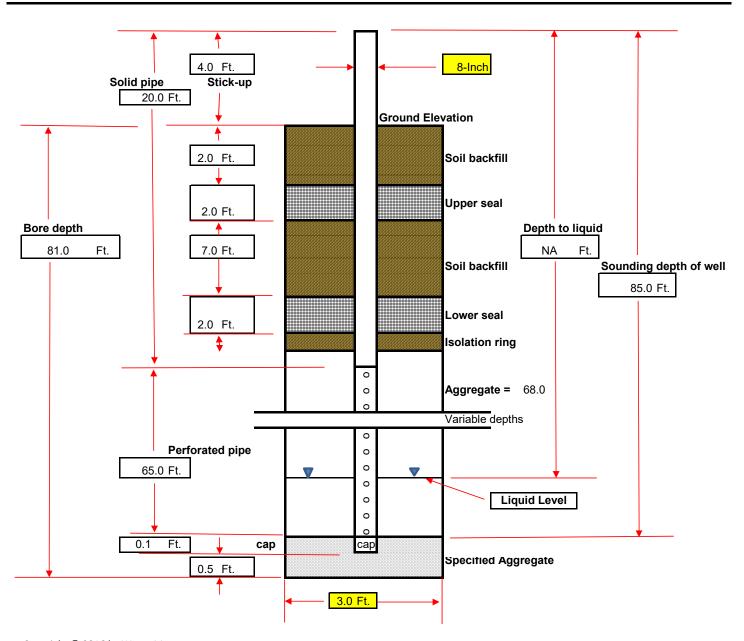
Ground Elevation (MSL): 1037

Notes: SURVEY VERIFICATION ELEVATION 1036.6

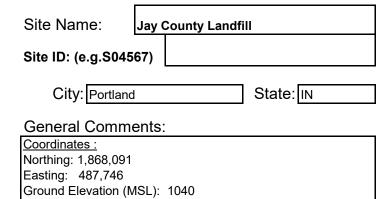


LGMS ID	Alias
JCEW0126	
Date Installed:	3/26/2024
Installation Co	ontractor:
Landfill Drilling &	& Piping
Pipe Material:	Schedule 80 PVC

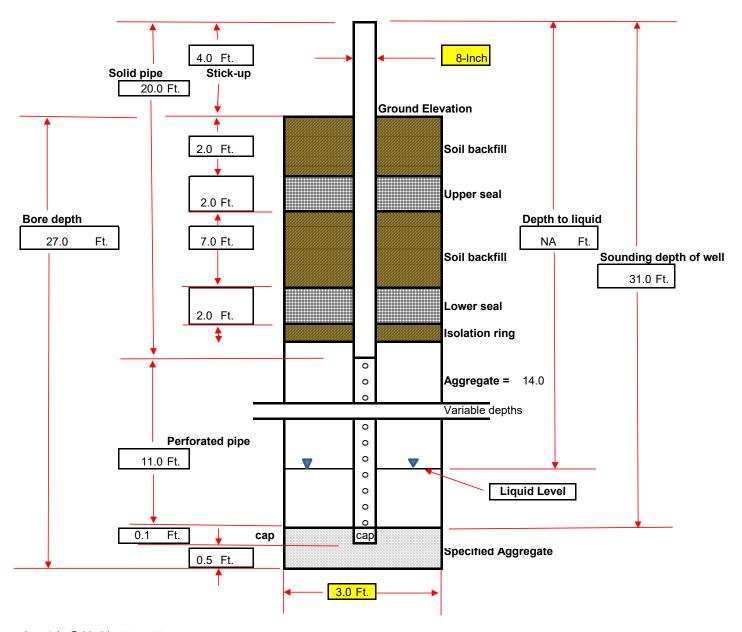




LGMS ID	Alias
JCEW0125	
Date Installed:	3/25/2024
Installation Co	ontractor:
Landfill Drilling	& Piping
Pipe Material:	Schedule 80 PVC



Notes: SURVEY VERIFICATION ELEVATION 1040.1



LGMS ID	Alias
GW-223K	
Date Installed:	3/26/2024
Installation C	ontractor:
Landfill Drilling	& Piping
Pipe Material:	Schedule 80 PVC

Site Name: Jay County Landfill

Site ID: (e.g.S04567)

City: Portland State: IN

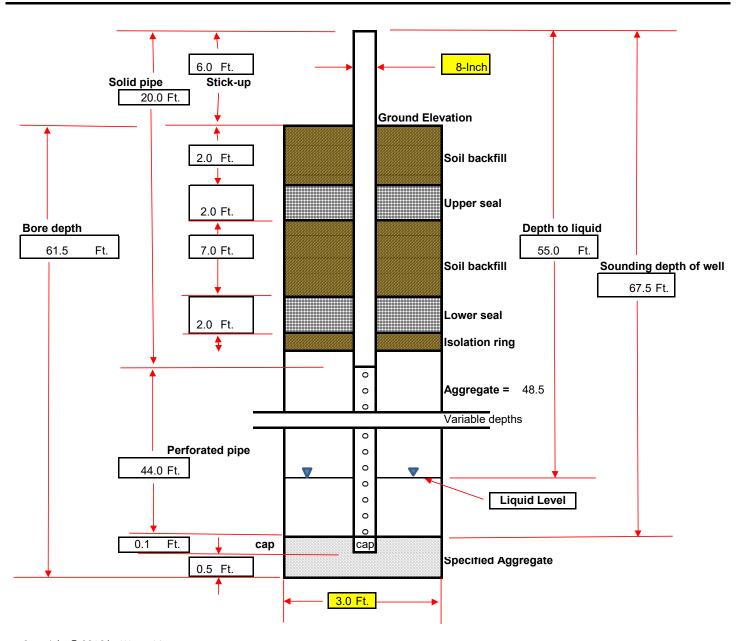
General Comments:

Coordinates:

Coordinates : Northing: 1,869,070 Easting: 487,818

Ground Elevation (MSL): 1029

Notes: SURVEY VERIFICATION ELEVATION 1029.12



JCE302RR	Alias
Date Installed:	
Installation C	
Landfill Drilling	& Piping
Pipe Material:	Schedule 80 PVC

Site Name: Jay County Landfill

Site ID: (e.g.S04567)

City: Portland State: IN

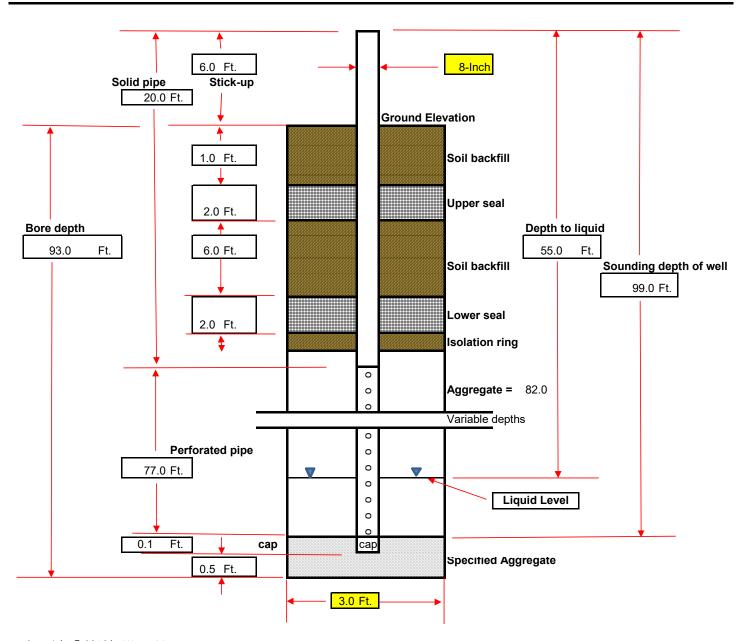
General Comments:

Coordinates:
Northing: 1868077

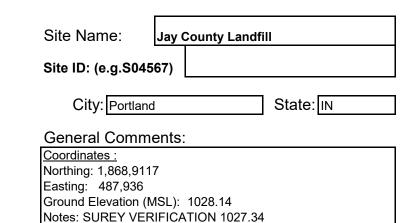
<u>Coordinates :</u> Northing: 1868977 Easting: 487994

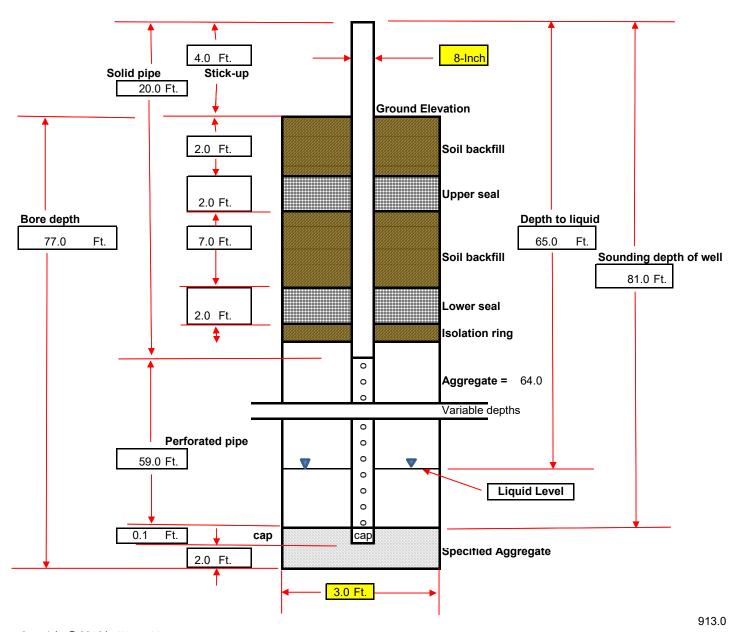
Ground Elevation (MSL): 1041.45

Notes: _SURVEY VERIFICATION ELEVATION 1040.5



LGMS ID	Alias
JCEW32RR	
Date Installed:	3/28/2024
Installation C	ontractor:
Landfill Drilling	& Piping
Pipe Material:	Schedule 80 PVC







Appendix B

HDPE Pipe Air Pressure Test Report



 $T_{\scriptscriptstyle i} = {\it Initial temperature in } {}^{\scriptscriptstyle o}C = \underline{\hspace{1cm}} {}^{\scriptscriptstyle o}C$

 P_i = Initial test pressure in psi = _____psi

P_o = Initial pressure in psi corrected for temperature
(T) at time 't'

t = Time in min utes from initiation of test

 $T_t = Temperature in \, ^{o}C \, at \, time \, ^{t}t^{t}$

 $P_t = Test \ pressure \ in \ psi \ at \ time't'$

$$P_o = \frac{(P_i + 14.7)(T_i + 273)}{(T_i + 273)} - 14.7$$

 $Percent \text{ Pr } essure Drop = \frac{P_o - P_t}{P_o} \times 100\%$

PIPE PRESSURE TEST

Jay County Landfill 2024 GCCS Project WMMW00088

Contractor: Fox Contractors

CQA Firm: T&M Associates

Observer: J. Sutton

Test # 1 6/13/2024	12" – All new head	er and connected 6"			
Time	Gauge	Temp	Adjusted		
Minutes	Pressure	С	Pressure	% Change	
0	9.80	32.2	9.800		
10					
20					
30					
40					
50					
60	9.80	32.2		0.00%	Pass

Test # 2 6/18/2024	2" All new two inc	h installed			
Time	Gauge	Temp	Adjusted		
Minutes	Pressure	c ·	Pressure	% Change	
0	96.5	31.1	96.500		
10					
20					
30					
40					
50					
60	96.4	31.1		0.10%	Pass

Test # 3 6/18/2024	3" All new 3" insta	illed			
Time	Gauge	Temp	Adjusted		
Minutes	Pressure	С	Pressure	% Change	
0	51.2	31.1	51.200		
10					
20					
30					
40					
50			_		
60	51.1	31.1		0.20%	Pass



Appendix C

Daily Field Reports



PROJECT INFORMATION

DAILY FIELD REPORT

GCCS UPGRADES	DATE:		03/15/24
88000WMWW	LOCATION:		JAY COUNTY
	WEATHER:		Cloudy
	TEMP. RANGE	48	TO
Joe Sutton	CLIENT:	WAS-	TE MANAGEMENT
Brad Hartz	CLIENT CONTACT:	T	Randy Russell
Landfill Drilling and Piping	SUPERVISOR:	Branc	don VanPembrook
SAFETY MEETING PARTICIPATION			
Participation in Contractor's Tailgate Safety Meeting? Yes	or 🗆 No	Check Perforn	ned? ⊠ Yes or □ No
ED, LOCATION, AND CONTRACTO	OR PERFORMING WORK		
stakes per Brent's request. Delivered RT	TV.		
Surveyed stakes and verified location of wells. Found stake 302R and 32R v	were reversed. The remaining sta	akes agree with pr	ovided well table.
SCUSSIONS / TELEPHONE CONV	ERSATIONS / VISITORS ON	SITE	
AKEN OR MATERIALS DELIVERED) TO LAB		
7 A H I I I I			
─────────────────────────────────────	d by a Project Manager		
	WMMWOO088 Joe Sutton Brad Hartz Landfill Drilling and Piping Landfill Drilling and Piping Tailgate Safety Meeting?	PROJECT NUMBER: GCCS UPGRADES DATE: PROJECT NUMBER: WIMMWOOO88 LOCATION: PLANS AND SPECS: LOCATION: PLANS AND SPECS: LOCATION: PERSONNEL TEMP. ANAMAGER: LocATION TEMP. RANGE PERSONNEL TEMP. LocATION Doe Sutton CULENT: CONTRACTOR: Landfill Drilling and Piping SUPERVISOR: SAFETY MEETING PARTICIPATION Participation in Contractor's Tailigate Safety Meeting? Tyes or No Vehicle SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK 1300 - Travel to site to check well stakes per Brent's request. Delivered RTV. Surveyed stakes and verified location of wells. Found stake 302R and 32R were reversed. The remaining stateward of home shop. Traveled to home shop. DESCRIPTION OF SAMPLES TAKEN OR MATERIALS DELIVERED TO LAB APPROVED BY: PROJ. MANAGER: DATE: This docurrent is dreft until reviewed and approved by a Project Manager This docurrent is dreft until reviewed and approved by a Project Manager	HAST STATES WITHOUT BY A PROJECT MANAGE WEATHER: JOE SUTTON JOE SUTTON JOE SUTTON Brad Hartz Brad Hartz CLIENT: CLIENT CONTACT: Brad Hartz CLIENT: Brad Hart



DAILY FIELD REPORT

	y a Project Manager	DATE:	PROJ. MANAGER: This doc
			APPROVED BY:
) LAB	DESCRIPTION OF SAMPLES TAKEN OR MATERIALS DELIVERED TO LAB	DESCRIPTION OF SAMPLES
	SATIONS / VISITORS ONSITE	SUMMARY OF MEETINGS / DISCUSSIONS / TELEPHONE CONVERSATIONS / VISITORS ONSITE	SUMMARY OF MEETINGS / [
	nd sent to Brad Hartz for review.	Reviewed survey data and compared to table. Adjusted table to match survey and sent to Brad Hartz for review.	Reviewed survey data and compai
	PERFORMING WORK	SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK	SUMMARY OF WORK OBSER
erformed? ⊠ Yes or □ No	No Vehicle Check Performed	s Tailgate Safety Meeting? ☐ Yes or	Participation in Contractor's Tailgate Safety Meeting?
		TION	SAFETY MEETING PARTICIPATION
Brandon VanPembrook	SUPERVISOR:	Landfill Drilling and Piping	CONTRACTOR:
Randy Russell	CLIENT CONTACT:	Brad Hartz	T&M PROJ. MANAGER:
WASTE MANAGEMENT	CLIENT:	Joe Sutton	T&M FIELD REP:
			PERSONNEL -
T0	TEMP. RANGE 48		ISSUE DATE:
Cloudy	WEATHER:		PLANS AND SPECS:
JAY COUNTY	LOCATION:	WMMW00088	PROJECT NUMBER:
03/23/24	DATE:	GCCS UPGRADES	PROJECT NAME:
			PROJECT INFORMATION



DAILY FIELD REPORT

PROJECT INFORMATION		DATE:	000/00/
PROJECT NUMBER:	88000MMMM	LOCATION:	JAY COUNTY
PLANS AND SPECS:		WEATHER:	Cloudy/Windy
ISSUE DATE:		TEMP. RANGE	50's T0
PERSONNEL			
T&M FIELD REP:	Joe Sutton	CLIENT:	WASTE MANAGEMENT
T&M PROJ. MANAGER:	Brad Hartz	CLIENT CONTACT:	Randy Russell
CONTRACTOR:	Landfill Drilling and Piping	SUPERVISOR:	Brandon VanPembrook
SAFETY MEETING PARTICIPATION	TION		
Participation in Contractor's Tailgate Safety Meeting?	gate Safety Meeting? 🛚 Yes	or □ No Vehicle	Vehicle Check Performed? ⊠ Yes or □ No
SUMMARY OF WORK OBSER	SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK	R PERFORMING WORK	
0600 - Travel to site. Landfill Gas	Landfill Gas and Piping is setting up equipment. Set up survey equipment and waited for drilling to start.	o survey equipment and waited	d for drilling to start.
Met with Brent Miller. Checked ot landfill base grades on the data co	her wells that were not labeled with the corr blector to verify base grades on each well as	ect name. Brent revised table s drilled.	Met with Brent Miller. Checked other wells that were not labeled with the correct name. Brent revised table and emailed to the group. I also installed the landfill base grades on the data collector to verify base grades on each well as drilled.
1100 - Drill ready to start.			
Observed drilling and completion of	Observed drilling and completion of GWG, GW302RR, GWC, GW229R.		
Activities observed included drilling installing well stone, mixing and in	Activities observed included drilling, taking waste temperatures, logging waste characteristics, tracking drill time, measurement an installing well stone, mixing and installing soil and well seals, grading and leveling of the disturbed areas and placement of the wel	characteristics, tracking drill telling of the disturbed areas and	time, measurement and installation of casing, d placement of the well safety grate.
Prior to drilling the base grade of e the drill depth on the well table.	Prior to drilling the base grade of each location was compared to the surface elevation and anticipated drill depth to verify we were the drill depth on the well table.	elevation and anticipated drill c	depth to verify we were in the correct location for
Work concluded at 1750.			
1800 - Off site.			
SUMMARY OF MEETINGS / D	SUMMARY OF MEETINGS / DISCUSSIONS / TELEPHONE CONVERSATIONS / VISITORS ONSITE	RSATIONS / VISITORS O	NSITE
DESCRIPTION OF SAMPLES I	DESCRIPTION OF SAMPLES TAKEN OR MATERIALS DELIVERED TO LAB	TO LAB	
APPROVED BY:			
PROJ. MANAGER:	DATE:	hy a Droiget Manager	
This doc	This document is draft until reviewed and approved by a Project Manager	by a Project Manager	



PROJECT INFORMATION

DAILY FIELD REPORT

PROJECT NAME:	GCCS UPGRADES	_ DATE:		03/26/24
PROJECT NUMBER:	WMMW00088	LOCATION:		JAY COUNTY
PLANS AND SPECS:		WEATHER:		Cloudy/Windy
ISSUE DATE:		TEMP. RANGE	50's	TO
PERSONNEL -				
T&M FIELD REP:	Joe Sutton	CLIENT:	WASTE	TE MANAGEMENT
T&M PROJ. MANAGER:	Brad Hartz	CLIENT CONTACT:		Randy Russell
CONTRACTOR:	Landfill Drilling and Piping	SUPERVISOR:	Brandon	don VanPembrook
SAFETY MEETING PARTICIPATION	TION			
Participation in Contractor's Tailgate Safety Meeting?	□Yes	or 🗆 No	Vehicle Check Performea	ned? ⊠ Yes or □ No
SUMMARY OF WORK OBSER	SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK	R PERFORMING WORK		
0700 – On site. Drill rig warming u Drill rig set up on GWG to start.	0700 – On site. Drill rig warming up. Some rain last night but not enough to prevent work. Drill rig set up on GWG to start.	prevent work.		
Drilling today included drilling and waste characteristics, tracking dril leveling of the disturbed areas and	Drilling today included drilling and completion of GWG, GW302RR, GWC, and GW229R. Activities observed included drilling, taking waste temperatures, loggwaste characteristics, tracking drill time, measurement and installation of casing, installing well stone, mixing and installing soil and well seals, grading and leveling of the disturbed areas and placement of the well safety grate.	GW229R. Activities observed ir sing, installing well stone, mixin	ncluded drilling, tal g and installing so	king waste temperatures, logging il and well seals, grading and
Prior to drilling the base grade of e the drill depth on the well table.	Prior to drilling the base grade of each location was compared to the surface elevation and anticipated drill depth to verify we were the drill depth on the well table.	elevation and anticipated drill o	depth to verify we v	vere in the correct location for
Drilling activity stopped around 1645.	.45. Left site and completed drill logs and diagrams for wells completed to date.	diagrams for wells completed to	date.	
SUMMARY OF MEETINGS / D	SUMMARY OF MEETINGS / DISCUSSIONS / TELEPHONE CONVERSATIONS / VISITORS ONSITE	ERSATIONS / VISITORS O	NSITE	
DESCRIPTION OF SAMPLES 1	DESCRIPTION OF SAMPLES TAKEN OR MATERIALS DELIVERED TO LAB	TO LAB		
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PROJ. MANAGER:	DATE:			
	This document is draft until reviewed and approved by a Project Manager	by a Project Manager		



PROJECT INFORMATION

DAILY FIELD REPORT

PROJECT NAME: PROJECT NUMBER:	GCCS UPGRADES WMMW00088	DATE: LOCATION:		03/27/24 JAY COUNTY
PLANS AND SPECS:		WEATHER:		Cloudy/Windy
ISSUE DATE:		TEMP. RANGE	50's	10
PERSONNEL -		ļ		
T&M FIELD REP:	Joe Sutton	CLIENT:	WAS	WASTE MANAGEMENT
T&M PROJ. MANAGER:	Brad Hartz	CLIENT CONTACT:		Randy Russell
CONTRACTOR:	Landfill Drilling and Piping	SUPERVISOR:	Brandon	don VanPembrook
SAFETY MEETING PARTICIPATION	TION			
Participation in Contractor's Tailgate	Safety Meeting? Yes	or □ No Vehicle	Check Performed	ned? ⊠ Yes or □ No
SUMMARY OF WORK OBSERV	SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK	R PERFORMING WORK		
0700 – On site. Drill rig warming u Drill rig set up on GWD which is sta names are not in some cases.	0700 – On site. Drill rig warming up. Rained again last night but not enough to prevent work. Drill rig set up on GWD which is staked as GW99R. Discussed with Randy. He said that the well locations and elevations on the table are correct. The well names are not in some cases.	to prevent work. e said that the well locations ar	nd elevations on th	e table are correct. The well
Drilling today included drilling and waste characteristics, tracking drill leveling of the disturbed areas and	Drilling today included drilling and completion of GWD, GW99R, GWA and GW225R Activities observed included drilling, taking waste temperatures, logging waste characteristics, tracking drill time, measurement and installation of casing, installing well stone, mixing and installing soil and well seals, grading and leveling of the disturbed areas and placement of the well safety grate.	225R Activities observed inclusing, installing well stone, mixin	ded drilling, taking ig and installing so	waste temperatures, logging il and well seals, grading and
Prior to drilling the base grade of e the drill depth on the well table.	Prior to drilling the base grade of each location was compared to the surface elevation and anticipated drill depth to verify we were the drill depth on the well table.	elevation and anticipated drill o	depth to verify we v	vere in the correct location for
Drilling activity stopped around 1400.	00. Observed the crew complete GW225R and left to complete paperwork.	and left to complete paperwor	<i>.</i> •	
1500 - Packed survey equipment. Off site	Off site			
SUMMARY OF MEETINGS / D	SUMMARY OF MEETINGS / DISCUSSIONS / TELEPHONE CONVERSATIONS / VISITORS ONSITE	ERSATIONS / VISITORS O	NSITE	
DESCRIPTION OF SAMPLES T	DESCRIPTION OF SAMPLES TAKEN OR MATERIALS DELIVERED TO LAB	TO LAB		
APPROVED BY:				
PROJ. MANAGER:	DATE:			
This doc	This document is draft until reviewed and approved by a Project Manager	by a Project Manager		



x Manager	DATE: This document is draft until reviewed and approved by a Project Manager	APPROVED BY: PROJ. MANAGER: This docum
	DESCRIPTION OF SAMPLES TAKEN OR MATERIALS DELIVERED TO LAB	DESCRIPTION OF SAMPLES TAK
IS / VISITORS ONSITE	SUMMARY OF MEETINGS / DISCUSSIONS / TELEPHONE CONVERSATIONS / VISITORS ONSITE	SUMMARY OF MEETINGS / DIS
neaded to Prairie View cap project.	1000 – Drilling and completion activities completed. Packed up survey equipment and headed to Prairie View cap project.	1000 – Drilling and completion activit
design.	GWF was drilled to the design depth of 50'. Casing was installed and well completed per design.	GWF was drilled to the design depth c
	RR was being completed.	Drilling on GWF commenced while 32RR was being completed.
	Drilling continued to the design depth of 75'. Casing installed and rig moved to GWF.	Drilling continued to the design depth
	32RR. Drilling commenced at 0635.	0630 – On site. Rig already set up on 32RR. Drilling commenced at 0635
RMING WORK	SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK	SUMMARY OF WORK OBSERVE
Vehicle Check Performed	ilgate Safety Meeting? ☐ Yes or ☐ No	Participation in Contractor's Tailgate Safety Meeting?
	Z	SAFETY MEETING PARTICIPATION
SUPERVISOR: Brandon	Landfill Drilling and Piping SUP	CONTRACTOR:
CLIENT CONTACT: Randy Russell	Brad Hartz CLIE	T&M PROJ. MANAGER:
IT: WASTE MANAGEMENT	Joe Sutton CLIENT:	PERSONNEL T&M FIELD REP:
TEMP. RANGE 28	TEM	ISSUE DATE:
WEATHER: MOSTLY CLEAR	WEA	PLANS AND SPECS:
LOCATION: JAY COUNTY	WMMW00088 LOC	PROJECT NUMBER:
	GCCS UPGRADES DATE:	PROJECT NAME:



PROJECT INFORMATION

DAILY FIELD REPORT

1630 – Work stopped. Off site.	Fox is installing 2" air line across the tor and some 6" jumpers. Observed trenching, pipe fusion and baccondensate drainage. Surveyed all pipe installed to date.	SUMMARY OF WORK OBSERVED, Travel to site. Arrived 09:30.	SAFETY MEETING PARTICIPATION Participation in Contractor's Tai	CONTRACTOR:	T&M PROJ. MANAGER:	PERSONNEL T&M FIELD REP:	ISSUE DATE:	PLANS AND SPECS:	PROJECT NUMBER:	PROJECT NAME:
	o of the 2023 cap area accessing air	LOCATION, AND CONTRACTO	gate Safety Meeting? □	Fox Contractors	Brad Hartz	Joe Sutton			88000MMMM	GCCS UPGRADES
	r at the south end of the cap work nd 12" were installed using a lase	OR PERFORMING WORK	No	SUPERVISOR:	CLIENT CONTACT:	CLIENT:	TEMP. RANGE	WEATHER:	LOCATION:	DATE:
	ing northward. Also v r level to maintain pro		Check Performec	Keni	Ran	WASTE I	75	MOS	JAN	06
	orking on 12 per slope on		∿	ny Johnson	dy Russell	MANAGEMI	OT	TLY CLEAR	COUNTY	06/11/24
	1630 - Work stopped. Off site.	Fox is installing 2" air line across the top of the 2023 cap area accessing air at the south end of the cap working northward. Also working on 1, and some 6" jumpers. Observed trenching, pipe fusion and backfilling of the installed piping. 6" and 12" were installed using a laser level to maintain proper slope or condensate drainage. Surveyed all pipe installed to date. 1630 – Work stopped. Off site.	Travel to site. Arrived 09:30. Fox is installing 2" air line across the top of the 2023 cap area accessing air at the south end of the cap working northward. Also working on 12 and some 6" jumpers. Observed trenching, pipe fusion and backfilling of the installed piping. 6" and 12" were installed using a laser level to maintain proper slope or condensate drainage. Surveyed all pipe installed to date. 1630 - Work stopped. Off site.	SAFETY MEETING PARTICIPATION Participation in Contractor's Tailgate Safety Meeting? ☐ Yes or ☐ No Vehicle Check Performed? ☑ Yes or ☐ No Vehicle Check Performed? ☑ Yes or ☐ No Vehicle Check Performed? ☑ Yes or ☐ No Summary OF WORK Travel to site. Arrived 09:30. Fox is installing 2" air line across the top of the 2023 cap area accessing air at the south end of the cap working northward. Also working on 12 and some 5 Jumpers. Observed trenching, pipe fusion and backfilling of the installed piping. 6" and 12" were installed using a laser level to maintain proper slope on condensate drainage. Surveyed all pipe installed to date. 1630 – Work stopped. Off site.	SAFETY MEETING PARTICIPATION SAFETY MEETING PARTICIPATION Participation in Contractor's Tailgate Safety Meeting? Yes or No Vehicle Check Performed? Yes or No Vehicle Check Performed? Yes or SummARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK Travel to site. Arrived 09:30. Fox is installing? air line across the top of the 2023 cap area accessing air at the south end of the cap working northward. Also working on 12 and some 6' jumpers. Observed trenching, piper fusion and backfilling of the installed piping. 6" and 12" were installed using a laser level to maintain proper slope on surveyed all pipe installed to date. 1630 - Work stopped. Off site.	TRM PROJ. MANAGER: Fox Contractors Fox Contractors SUPERVISOR: SAFETY MEETING PARTICIPATION Participation in Contractor's Tailgate Safety Meeting? Yes or No Vehicle Check Performed? Yes ov SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK Tavel to site. Arrived 09:30. Fox is installing? "air line across the top of the 2023 cap area accessing air at the south end of the cap working northward. Also working on 12 mondensate drainings. Observed trenching, pipe fusion and backfilling of the installed piping. 6" and 12" were installed using a laser level to maintain proper slope on 1630 - Work stopped. Off site.	T&M FIELD REP: T&M PROJ. MANAGER: CONTRACTOR: Brad Hartz CONTRACTOR: Fox Contractors SUPERVISOR: Fox Contractors SUPERVISOR: Fox Contractors SUPERVISOR: Wehicle Check Performed? Yes or Vehicle Check Performed? Yes or SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK Travel to site. Arrived 09:30. Fox is installing 2" air line across the top of the 2023 cap area accessing air at the south end of the cap working northward. Also working on 12 and some 6" jumpers. Observed trenching, pipe fusion and backfilling of the installed piping. 6" and 12" were installed using a laser level to maintain proper slope on 2000 - Work stopped. Off site. 1630 - Work stopped. Off site.	PERSONNEL T&M FIELD REP: T&M FIELD REP: T&M PROJ. MANAGER: CONTRACTOR: Brad Hartz CONTRACTOR: Fox Contractors Supervision in Contractor's Taligate Safety Meeting? □ Yes or □ No SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK Travel to site. Arrived 09-30. Fox is installing 2" air line across the top of the 2023 cap area accessing air at the south end of the cap working northward. Also working on 12 condensate drainage. Suneyed all pipe installed to date. 1630 - Work stopped. Off site.	PLANS AND SPECS: ISSUE DATE: PERSONNEL TEMP RED. TEMP RANGER: TEMP RED. MANAGER: FOX Contractors TEMP RICHARCY FOX Contractors TEMP RICHARCY THE MANAGEM RED. MANAGEM THEMP RETING PARTICIPATION PARTICIPATION THEMP RETING PARTICIPATION THEMP REALITY THEMP REALI	WMMW00088 WEATHER: TEMP. RANGE Joe Sutton CLIENT: Brad Hartz CLIENT CONTACT: Fox Contractors SUPERVISOR: Gate Safety Meeting? □ Yes or □ No Vehicle Check Perfor LOCATION, AND CONTRACTOR PERFORMING WORK LOCATION, Installed piping. 6" and 12" were installed using a laser level to mainta skrilling of the installed piping. 6" and 12" were installed using a laser level to mainta skrilling of the cap working northward. //



LOCATION: WEATHER: TEMP. RANGE CLIENT: CLIENT CONTACT: SUPERVISOR: WAST RACTOR PERFORMING WORK ITRACTOR PERFORMING WORK TRACTOR PERFORMING WORK TRACTOR PERFORMING WORK CONVERSATIONS / VISITORS ONSITE CONVERSATIONS / VISITORS ONSITE CONVERSATIONS / VISITORS ONSITE	ER:	APPROVED BY:	DESCRIPTION OF SAMIFEES TAXEING	DESCRIPTION OF SAMPI ES TAKEN O	SUMMARY OF MEETINGS / DISCUSS			16:30 - Work stops for the day.	1500 – Trenching stops. Reclamation of th	Located the force main around the north pe dewatering of gas wells.	Surveyed piping as installed.	10:00 – Started trenching for 12" header to	07:30 - On site. Work continues on installii	SUMMARY OF WORK OBSERVED, LO	Participation in Contractor's Tailgate Safety Meeting?	SAFETY MEETING PARTICIPATION	CONTRACTOR:	T&M PROJ. MANAGER:	T&M FIELD REP:	PERSONNEL	ISSUE DATE:	PLANS AND SPECS:	PROJECT NUMBER:	PROJECT NAME:
LOCATION: WEATHER: WEATHER: WEATHER: SUNNY TEMP. RANGE CLIENT: CLIENT: CLIENT CONTACT: SUPERVISOR: WASTE MANAGE CLIENT CONTACT: Randy Russe Kenny Johnss Kenny Johns Keny	DATE:		אין איצון באיצרט ערבואבאבט וי	DR MATERIAI S DEI IVERED TI	IONS / TELEPHONE CONVER				e trench area begins. Excess excav	rimeter of the site for Fox. They pla		extend it farther east from previou	ng 6" jumpers and abandonment of	CATION, AND CONTRACTOR			Fox Contractors	Brad Hartz	Joe Sutton				WMMW00088	GCCS UPGRADES
JAY (SL 65 WASTE M/ Rand) Kenny The drilling event earlive working face for dispired working fa	y a Project Manager		Ç	OIAR	RSATIONS / VISITORS ON:				ated waste is hauled to the act	ın to tap into the existing 3x6 fo		s installation.	f gas wells that were replaced ir	PERFORMING WORK			SUPERVISOR:	CLIENT CONTACT:	CLIENT:	,	TEMP. RANGE	WEATHER:	LOCATION:	' DAIE:
					SITE				ive working face for dis	rce main and run to the					٠٠		Kenny	Randy	WASTE MA			SL	JAY C	/an



PROJECT INFORMATION

DAILY FIELD REPORT

PROJECT NAME:	GCCS UPGRADES	DATE:		06/13/24	
PROJECT NUMBER:	WMMW00088	LOCATION:	JAY	AY COUNTY	
PLANS AND SPECS:		WEATHER:		SUNNY	
ISSUE DATE:		TEMP. RANGE	63	T0	91
PERSONNEL				Ī	
T&M FIELD REP:	Joe Sutton	CLIENT:	WASTE	MANAGEMENT	-
T&M PROJ. MANAGER:	Brad Hartz	CLIENT CONTACT:	Ra	Randy Russell	
CONTRACTOR:	Fox Contractors	SUPERVISOR:	Kei	Kenny Johnson	
SAFETY MEETING PARTICIPATION	ON				
Participation in Contractor's Tailgate Safety Meeting?	Tailgate Safety Meeting? ☐ Yes	or 🗆 No	Vehicle Check Performea	લ? ⊠ Yes or □ No] No
SUMMARY OF WORK OBSERVI	SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK	OR PERFORMING WORK			
Work continues today on installing th	Work continues today on installing the remaining 12" header and connected 6" jumpers and well risers.	d 6" jumpers and well risers.			
10:50 to 12:14 - Pressure test on th Pressure stabilized at 9.8psi after re	10:50 to 12:14 - Pressure test on the 12" and connected 6" laterals and risers is conducted. Pipe is pressured up with the site's air compressor to 10.2psi. Pressure stabilized at 9.8psi after remained steady for the entire one hour test.	sers is conducted. Pipe is pressur test.	ed up with the site's	air compressor to	າ 10.2psi.
Work continued on 6" piping until the end of the day.	e end of the day.				
SUMMARY OF MEETINGS / DIS	SUMMARY OF MEETINGS / DISCUSSIONS / TELEPHONE CONVERSATIONS / VISITORS ONSITE	VERSATIONS / VISITORS ON	NSITE		
DESCRIPTION OF SAMPLES TA	DESCRIPTION OF SAMPLES TAKEN OR MATERIALS DELIVERED TO LAB	O TO LAB			
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PROJECT INFORMATION		DATE.		06/17/04	
PROJECT NUMBER:	88000MMM	LOCATION:		JAY COUNTY	
PLANS AND SPECS:		WEATHER:		SUNNY	
ISSUE DATE:		TEMP. RANGE	63	00	91
PERSONNEL					
T&M FIELD REP:	Joe Sutton	CLIENT:	WAS	WASTE MANAGEMENT	VT
T&M PROJ. MANAGER:	Brad Hartz	CLIENT CONTACT:		Randy Russell	
CONTRACTOR:	Fox Contractors	SUPERVISOR:		Kenny Johnson	
SAFETY MEETING PARTICIPATION	ON				
Participation in Contractor's Tailgate Safety Meeting?		Yes or ☐ No Vehicle	Vehicle Check Performed?	med? ✓ Yes or ✓ No	□ No
SUMMARY OF WORK OBSERVI	SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK	OR PERFORMING WORK			
8:30 - On site. Set up GPS and surveyed was connected to the perimeter force may was installed within the landfill footprint.	8:30 – On site. Set up GPS and surveyed pipe not previously located. Fox is installing 2" air line and 3" force main within the landfill footprint. The force main was connected to the perimeter force main along the north edge of the landfill. Dual contained piping existed to the solid waste boundary and single wall piping was installed within the landfill footprint.	is installing 2" air line and 3" force dfill. Dual contained piping existed	e main within the d to the solid was	landfill footprint. Th	e force main gle wall piping
Where possible, the air and force ma	Where possible, the air and force main piping was installed in a common trench.	ench.			
Reclamation of the disturbed areas	Reclamation of the disturbed areas is ongoing with excess excavated material being transported to the working face.	rial being transported to the worki	ing face.		
14:30 - Work stops for the day. Packed up GPS and off site	ked up GPS and off site.				
SUMMARY OF MEETINGS / DIS	SUMMARY OF MEETINGS / DISCUSSIONS / TELEPHONE CONVERSATIONS / VISITORS ONSITE	VERSATIONS / VISITORS ON	NSITE		
DECOBIBITION OF CAMBI ES TA	DESCRIPTION OF SAMPLES TAKEN OF MATERIALS DELIVERED TO LAB	O TO LAB			
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			APPROVED BY:
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	D TO LAB	DESCRIPTION OF SAMPI ES TAKEN OR MATERIALS DELIVERED TO LAB	DESCRIPTION OF SAMPLES T
ITE	VERSATIONS / VISITORS ONSI	SUMMARY OF MEETINGS / DISCUSSIONS / TELEPHONE CONVERSATIONS / VISITORS ONSITE	SUMMARY OF MEETINGS / DI
		nt. Offsite.	1600 - Packed up survey equipment. Off site.
		area for the remainder of the day.	Fox continues reclaiming the work area for the remainder of the day.
The 2" air pipe is pressured to almost 100psi and allowed to stabilize at 96.5. At the end of the one hour test the pressure is 96.4psi which also meets the requirements for passing. Temperature during the tests remained a constant 88 degrees Fahrenheit.	3.5. At the end of the one hour test th ant 88 degrees Fahrenheit.	st 100psi and allowed to stabilize at 96 ture during the tests remained a consta	The 2" air pipe is pressured to almorequirements for passing. Tempera
Pressure stabilizes at 51.2psi and is tested for the required one hour time. Ending	Pressure stabilizes at 51.2psi and i	The 3" force main pipe is pressured to about 55psi and allowed to stabilize, pressure is 51.1 psi which meets the testing requirements for passing.	The 3" force main pipe is pressured pressure is 51.1 psi which meets the
		ţins.	10:30 - Air testing of 2" and 3" begins
		ining pipe not previously recorded.	Set up GPS and surveyed any remaining pipe not previously recorded.
			07:30 - Travel to site.
	OR PERFORMING WORK	SUMMARY OF WORK OBSERVED, LOCATION, AND CONTRACTOR PERFORMING WORK	SUMMARY OF WORK OBSERV
Vehicle Check Performed? ⊠ Yes or □ No	Yes or ☐ No Vehicle Ch		Participation in Contractor's Tailgate Safety Meeting?
		ION	SAFETY MEETING PARTICIPATION
Kenny Johnson	SUPERVISOR:	Fox Contractors	CONTRACTOR:
Randy Russell	CLIENT CONTACT:	Brad Hartz	T&M PROJ. MANAGER:
WASTE MANAGEMENT	CLIENT:	Joe Sutton	T&M FIELD REP:
			PERSONNEL
80 TO 88	TEMP. RANGE		ISSUE DATE:
SUNNY	WEATHER:		PLANS AND SPECS:
JAY COUNTY	LOCATION:	88000WMWW	PROJECT NUMBER:
06/18/24	DATE:	GCCS UPGRADES	PROJECT NAME:
			DOO IEOT INICODMATION



Appendix D

Photo Log



Direction: South

Description:

6-inch HDPE lateral pipe from existing landfill collection system to Cell 7A1.



Photo Number: 2

Direction: North

Description:

18-inch HDPE header pipe with a bentonite plug to prevent LFG and/or liquid migration.



T&M ASSOCIATES, INC. *Indianapolis, Indiana*

SITE NAME



Direction: Southeast

Description:

12-inch HDPE header pipe tie in to the 18-inch HDPE

header pipe.



Photo Number: 4

Direction: South

Description:

6-inch x 3-inch force main tying into the existing

force main.



SITE NAME



Direction:

Description:

Pressure gauge during 3-inch HDPE pipe testing.



Photo Number:

Direction: Southeast

Description:

20-inch HDPE riser pipe from Cell 7A1, including the electrical control panels.

Note the 18-inch riser from the condensate knockout.



T&M ASSOCIATES, INC. Indianapolis, Indiana

SITE NAME



Direction: Northwest

Description:

Installing the 2-inch airline and the 3-inch condensate force

main.



Photo Number:

8

Direction: North

Description:

Installing the 2-inch airline and the 3-inch condensate force

main.



SITE NAME



Direction: Southeast

Description:

Uncovering the riser pipe at the six-inch lateral tie-in.



Photo Number: 10

Direction: North

Description:

Fusion welding the 6-inch lateral HDPE line.



SITE NAME



2024 GCCS Record Drawing

Drawing No. 1