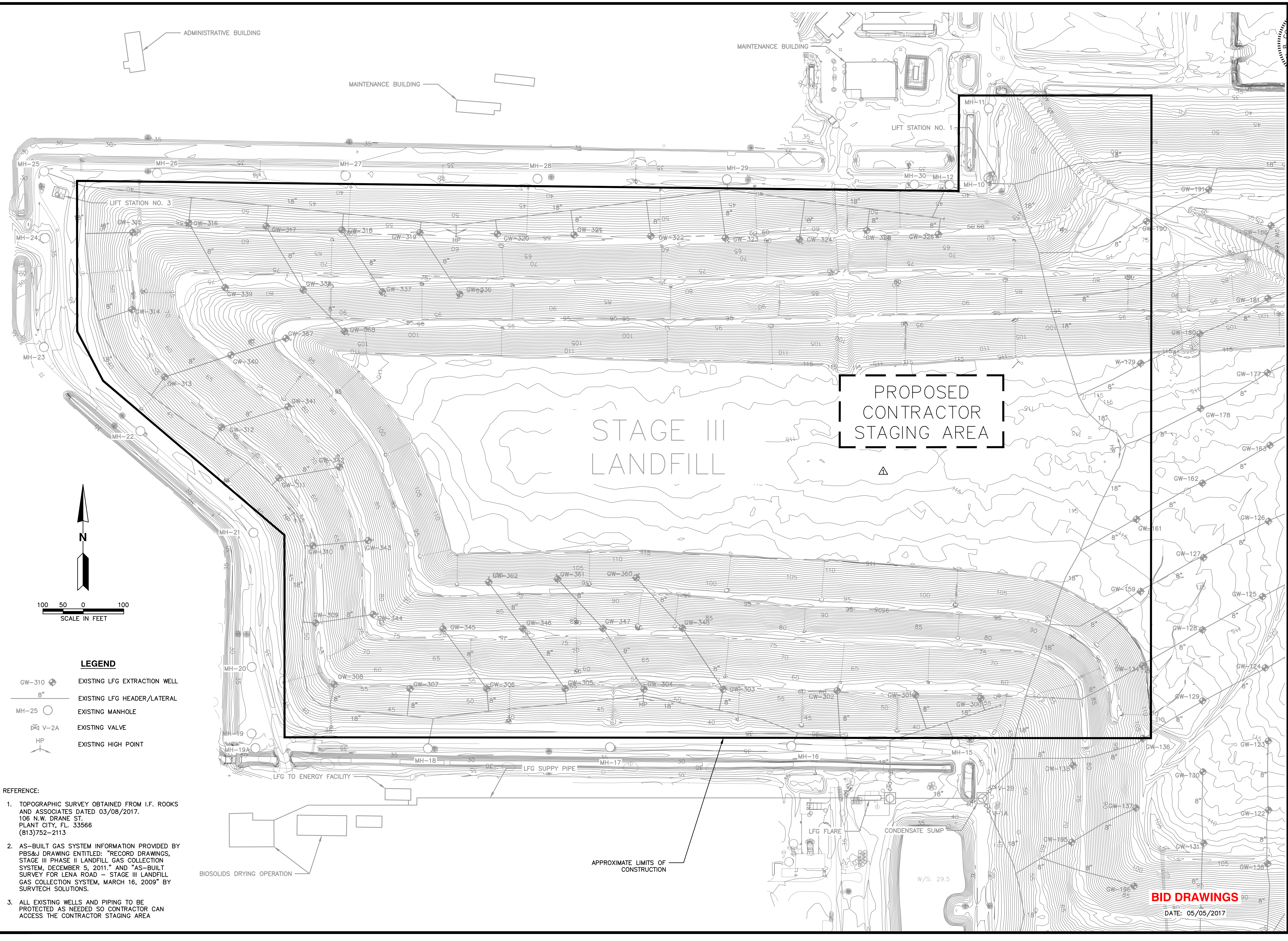


G:\PROJECT\Wamotee\09214113.05 GCCS Design\100% Drawings\Sheet 4 - Existing Stage 3 Site Plan.dwg Sep 25, 2017 - 5:43pm Layout Name: Sheet 3 - Existing Stage III By: 4334a_g



LEGEND

- GW-310 EXISTING LFG EXTRACTION WELL
- 8" EXISTING LFG HEADER/LATERAL
- MH-25 EXISTING MANHOLE
- V-2A EXISTING VALVE
- HP EXISTING HIGH POINT

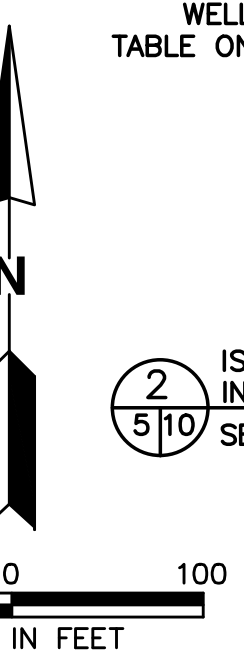
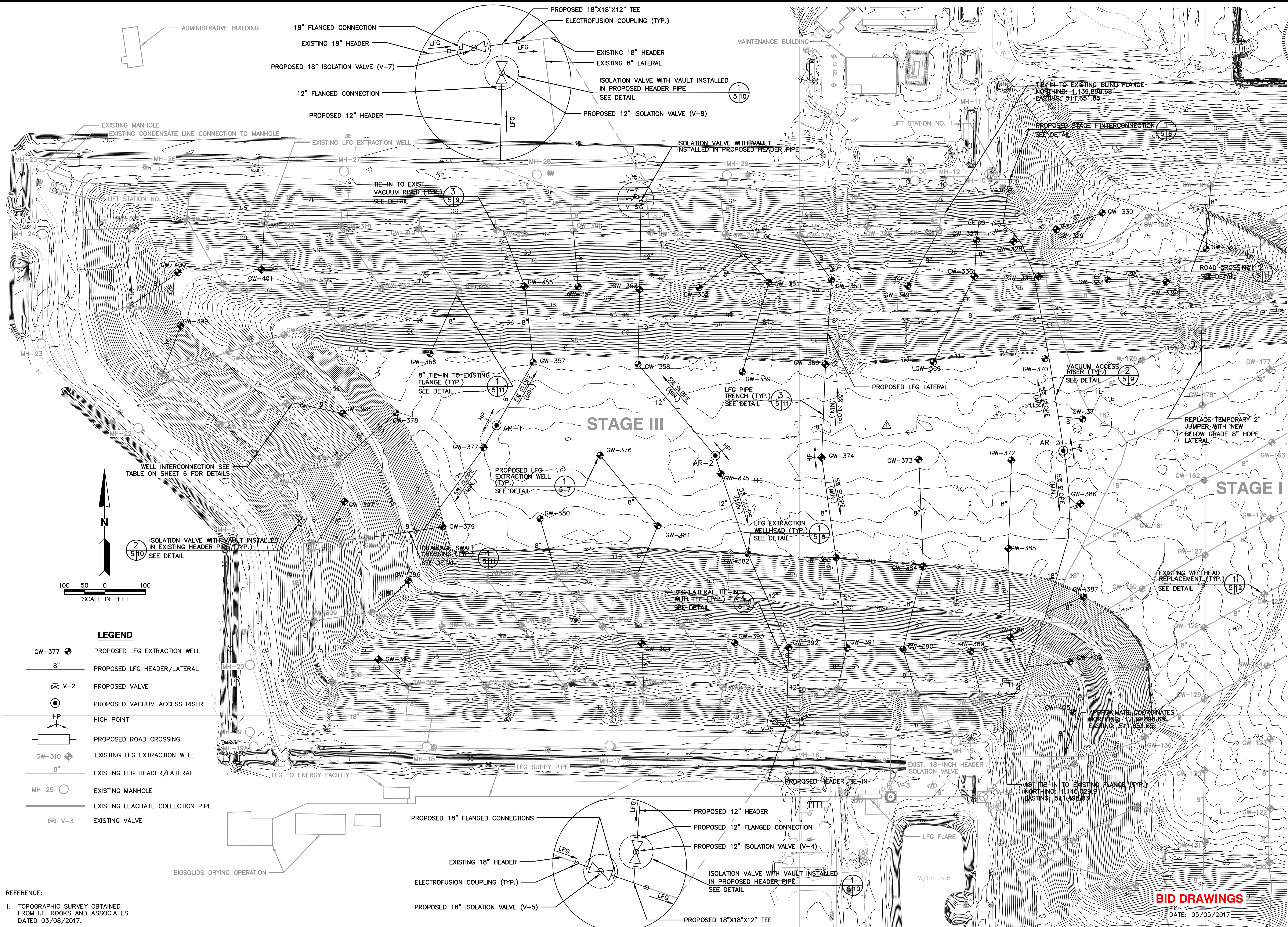
- REFERENCE:**
1. TOPOGRAPHIC SURVEY OBTAINED FROM I.F. ROOKS AND ASSOCIATES DATED 03/08/2017, 106 N.W. DRANE ST. PLANT CITY, FL. 33566 (813)752-2113
 2. AS-BUILT GAS SYSTEM INFORMATION PROVIDED BY PBS&J DRAWING ENTITLED: "RECORD DRAWINGS, STAGE III PHASE II LANDFILL GAS COLLECTION SYSTEM, DECEMBER 5, 2011." AND "AS-BUILT SURVEY FOR LENA ROAD - STAGE III LANDFILL GAS COLLECTION SYSTEM, MARCH 16, 2009" BY SURVTECH SOLUTIONS.
 3. ALL EXISTING WELLS AND PIPING TO BE PROTECTED AS NEEDED SO CONTRACTOR CAN ACCESS THE CONTRACTOR STAGING AREA

PROPOSED
CONTRACTOR
STAGING AREA

BID DRAWINGS
DATE: 05/05/2017

CHK. BY:	DESCRIPTION
REV. DATE	REVISED PER BID QUESTION
9/25/17	
EXISTING STAGE III SITE PLAN	
SHEET TITLE	PROJECT TITLE
CLIENT	
SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS 4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610 PH NO. (813) 621-0080 FAX NO. (813) 623-6757	Q/A RW BY: DWN. BY: CHK. BY: APP. BY:
CADD FILE:	
DATE:	
SCALE:	
DRAWING NO.	4
SHEET	4 of

G:\PROJECT\Manatee\09214113.05 GCCS Design\100% Drawings\Sheet 5 - Proposed Site Plan.dwg Sep 25, 2017 - 4:15pm Layout Name: Sheet 5 - Proposed By: 4334a_3



LEGEND

- GW-377 PROPOSED LFG EXTRACTION WELL
- 8" PROPOSED LFG HEADER/LATERAL
- V-2 PROPOSED VALVE
- PROPOSED VACUUM ACCESS RISER
- HP HIGH POINT
- PROPOSED ROAD CROSSING
- GW-310 EXISTING LFG EXTRACTION WELL
- 8" EXISTING LFG HEADER/LATERAL
- MH-25 EXISTING MANHOLE
- EXISTING LEACHATE COLLECTION PIPE
- V-3 EXISTING VALVE

REFERENCE:
 1. TOPOGRAPHIC SURVEY OBTAINED FROM I.F. ROOKS AND ASSOCIATES DATED 03/08/2017.

	CHK. BY: [] DATE: 9/25/17	DESCRIPTION: REVISED PER BID QUESTION	REVISED PER BID QUESTION		
SHEET TITLE: PROPOSED SITE PLAN			PROJECT TITLE: 2017 PHASE III GCCS EXPANSION STAGE III LENA ROAD LANDFILL		
CLIENT: MANATEE COUNTY SOLID WASTE DIVISION					
CADD FILE:					
DATE: MAY 2017					
SCALE: AS SHOWN					
DRAWING NO.					
5					
SHEET 5 of 12					

BID DRAWINGS
 DATE: 05/05/2017

G:\PROJECT\Manatee\0921413.05 GCCS Design\Sheet 7 - 4:17pm Layout Name: Sheet 7 By: 4334a-g

WELL SCHEDULE

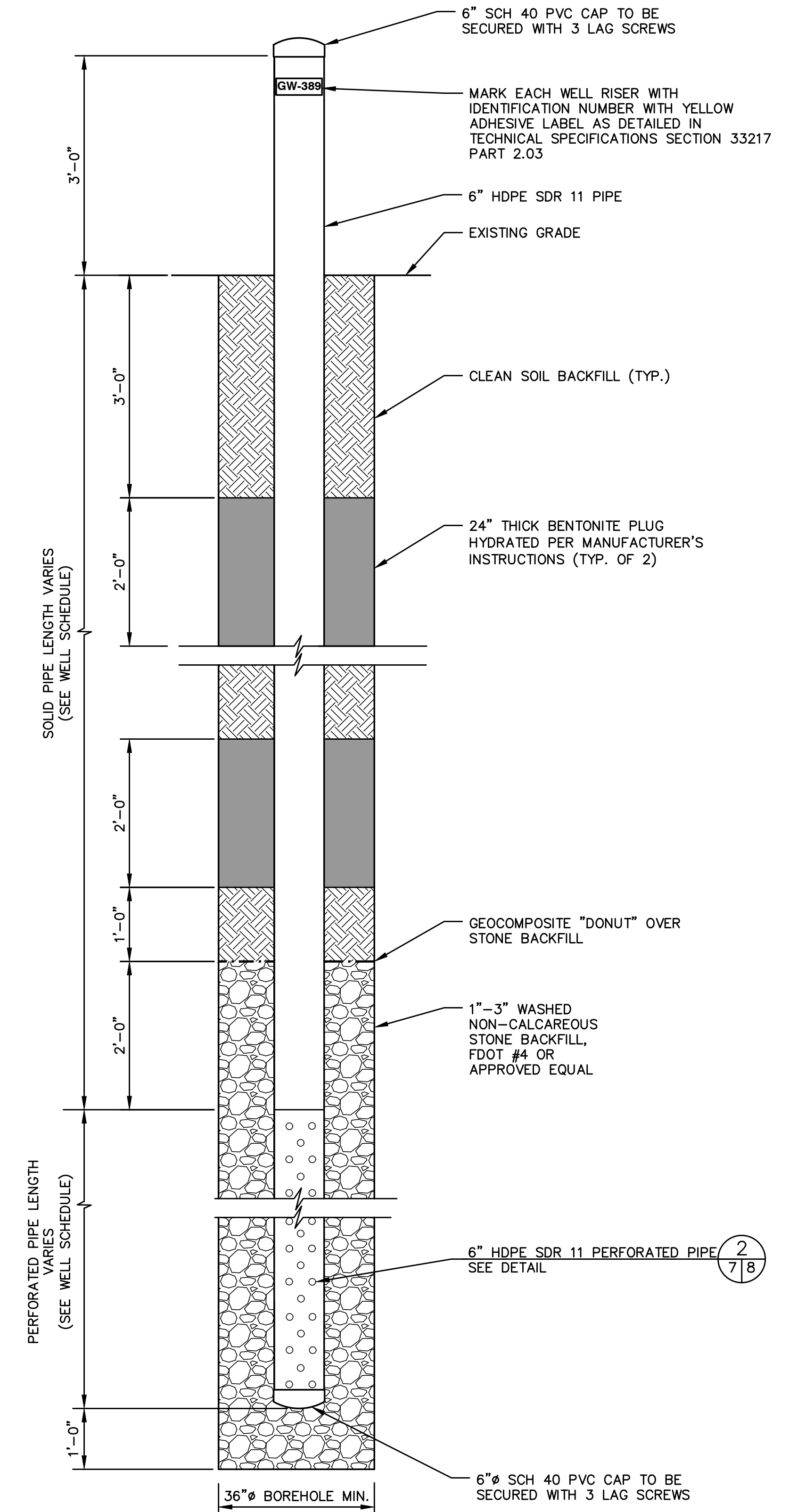
Well ID	Northing	Easting	Approx. Ground Surface (ft)	Approx. Base Grade Elevation (ft)	Well Depth (ft)	Perforated Pipe Length (ft)	Solid Pipe Length Below Grade (ft)	Solid Pipe Length Above Grade (ft)	Total Solid Pipe Length (ft)	Thickness of Gravel Pack (ft)
GW - 327	1141171.95	511436.39	63	35	28	12	15	3	18	15
GW - 328	1141168.36	511527.83	63	35	28	12	15	3	18	15
GW - 329	1141197.35	511633.07	64	35	29	13	15	3	18	16
GW - 330	1141239.07	511746.05	77	35	42	26	15	3	18	29
GW - 331	1141150.18	512002.24	77	35	42	26	15	3	18	29
GW - 332	1141069.00	511904.00	84	35	49	33	15	3	18	36
GW - 333	1141073.61	511760.00	82	35	47	31	15	3	18	34
GW - 334	1141082.43	511588.79	78	35	43	27	15	3	18	30
GW - 335	1141082.58	511431.15	79	35	44	28	15	3	18	31
GW - 349	1141059.37	511266.50	83	35	48	32	15	3	18	35
GW - 350	1141073.58	511078.77	80	35	45	29	15	3	18	32
GW - 351	1141067.69	510924.28	80	35	45	29	15	3	18	32
GW - 352	1141054.61	510751.87	80	35	45	29	15	3	18	32
GW - 353	1141049.86	510605.76	80	35	45	29	15	3	18	32
GW - 354	1141057.09	510454.14	80	35	45	29	15	3	18	32
GW - 355	1141057.71	510322.29	79	35	44	28	15	3	18	31
GW - 356	1140891.32	510089.19	111	35	76	55	20	3	23	58
GW - 357	1140871.15	510343.27	111	35	76	55	20	3	23	58
GW - 358	1140866.12	510601.59	112	35	77	56	20	3	23	59
GW - 359	1140846.68	510858.95	112	35	77	56	20	3	23	59
GW - 360	1140865.34	511063.83	115	35	80	59	20	3	23	62
GW - 369	1140871.19	511330.05	116	35	81	60	20	3	23	63
GW - 370	1140879.48	511604.83	115	35	80	59	20	3	23	62
GW - 371	1140730.85	511697.78	116	35	81	60	20	3	23	63
GW - 372	1140629.42	511522.25	116	35	81	60	20	3	23	63
GW - 373	1140631.21	511293.82	116	35	81	60	20	3	23	63
GW - 374	1140636.06	511054.52	116	35	81	60	20	3	23	63
GW - 375	1140596.44	510805.86	115	35	80	59	20	3	23	62
GW - 376	1140641.30	510508.44	115	35	80	59	20	3	23	62
GW - 377	1140660.50	510221.57	114	35	79	58	20	3	23	61
GW - 378	1140746.06	510005.12	113	35	78	57	20	3	23	60
GW - 379	1140465.56	510120.31	111	35	76	55	20	3	23	58
GW - 380	1140485.14	510360.26	112	35	77	56	20	3	23	59
GW - 381	1140467.88	510650.31	113	35	78	57	20	3	23	60
GW - 382	1140398.80	510872.97	114	35	79	58	20	3	23	61
GW - 383	1140389.52	511089.90	114	35	79	58	20	3	23	61
GW - 384	1140368.16	511305.05	114	35	79	58	20	3	23	61
GW - 385	1140411.84	511514.77	112	35	77	56	20	3	23	59
GW - 386	1140522.49	511692.38	115	35	80	59	20	3	23	62
GW - 387	1140292.59	511699.77	113	35	78	57	20	3	23	60
GW - 388	1140192.28	511519.63	80	35	45	29	15	3	18	32
GW - 389	1140159.63	511421.91	74	35	39	23	15	3	18	26
GW - 390	1140163.69	511255.27	73	35	38	22	15	3	18	25
GW - 391	1140167.52	511116.74	73	35	38	22	15	3	18	25
GW - 392	1140167.69	510973.40	73	35	38	22	15	3	18	25
GW - 393	1140179.52	510840.00	74	35	39	23	15	3	18	26
GW - 394	1140178.37	510610.32	73	35	38	22	15	3	18	25
GW - 395	1140138.55	509961.83	64	35	29	13	15	3	18	16
GW - 396	1140332.47	510035.47	93	35	58	37	20	3	23	40
GW - 397	1140527.26	509877.98	76	35	41	25	15	3	18	28
GW - 398	1140744.71	509874.81	93	35	58	37	20	3	23	40
GW - 399	1140960.58	509474.39	74	35	39	23	15	3	18	26
GW - 400	1141091.56	509468.10	75	35	40	24	15	3	18	27
GW - 401	1141099.12	509673.72	75	35	40	24	15	3	18	27
GW - 402	1140133.07	511666.38	79	35	44	28	15	3	18	31
GW - 403	1140008.83	511673.70	73	35	38	22	15	3	18	25
TOTALS					3222	2196	970	168	1138	2364

NOTES:

- CONTRACTOR SHALL SURVEY THE PROPOSED WELL LOCATIONS AND PROVIDE THE EXISTING GROUND SURFACE ELEVATION AT EACH LOCATION TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WELL DRILLING.
- ENGINEER SHALL ADJUST WELL SCHEDULE AS NECESSARY BASED ON THE PRE-CONSTRUCTION SURVEY.
- ALL SIGNATURES REQUIRED ON THE FINAL WELL SCHEDULE PRIOR TO COMMENCEMENT OF DRILLING.

CQA INSPECTOR _____ DATE _____
 ENGINEER _____ DATE _____

DRILLER _____ DATE _____
 COUNTY REPRESENTATIVE _____ DATE _____

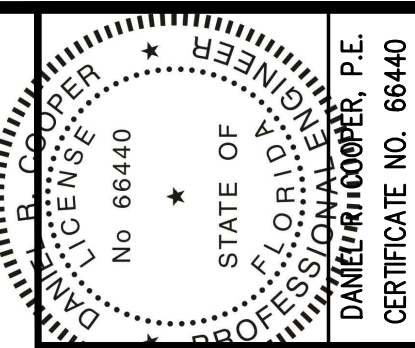


NOTES:

- PVC CAP TO BE SCREWED TO NEW WELL UNTIL WELL CAN BE CONNECTED TO VACUUM.
- BENTONITE TO BE HYDRATED AS IT IS ADDED TO BORING.
- GEOCOMPOSITE RING TO BE INSTALLED OVER GRAVEL AND TAMPED IN PLACE BEFORE BACKFILLING.

LFG EXTRACTION WELL DETAIL 1/57
 NOT TO SCALE

BID DRAWINGS
 DATE: 05/05/2017



CHK. BY	DESCRIPTION	DATE	REV
	REVISOR PER BID QUESTION	9/21/17	1
			2
			3
			4

DETAILS - 2
2017 PHASE III GCCS EXPANSION
STAGE III
LENA ROAD LANDFILL

MANATEE COUNTY
SOLID WASTE DIVISION

CLIENT
SCS ENGINEERS
 STEARNS, CONRAD AND SCHMIDT
 CONSULTING ENGINEERS
 4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610
 PH NO. (813) 621-0080 FAX NO. (813) 625-6757
 PROJ. NO. 09214133.05
 DATE: 05/05/2017
 DRAWN BY: WJS
 CHECKED BY: WJS
 APPROVED BY: WJS/DRC

CADD FILE:
 SHEET 7 - REVISED
 DATE: MAY 2017
 SCALE: AS SHOWN
 DRAWING NO. **7**
 SHEET 7 of 12