



May 3, 2017

Mr. Robert S. Priestas, PE
City Engineer
City of Gahanna
200 South Hamilton Road
Gahanna, OH 43230

Project: FMC Medical Clinic
991 Johnstown Rd.
Gahanna, OH 43230

RE: Sanitary Sewer Main Extension

Dear Mr. Priestas:

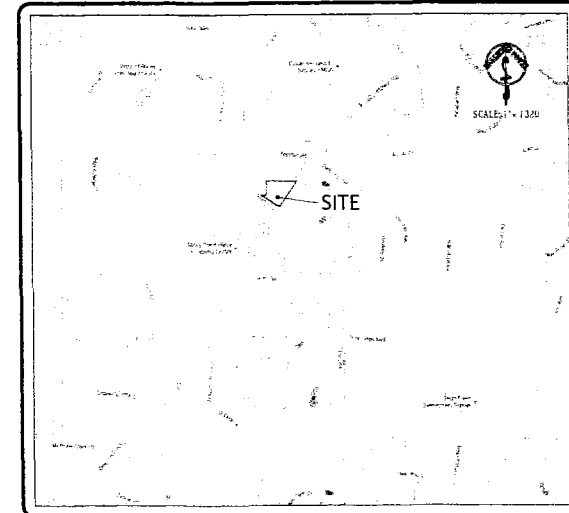
Allied Development Group, Inc. requests that the City of Gahanna accept the Sanitary Sewer Main Extension, subject to the required warranty period. For your use and distribution to City Council, we have attached a drawing of the Sanitary Sewer Main Extension.

If you have any questions or need additional information, please call me at 740.969.1077.

Sincerely,

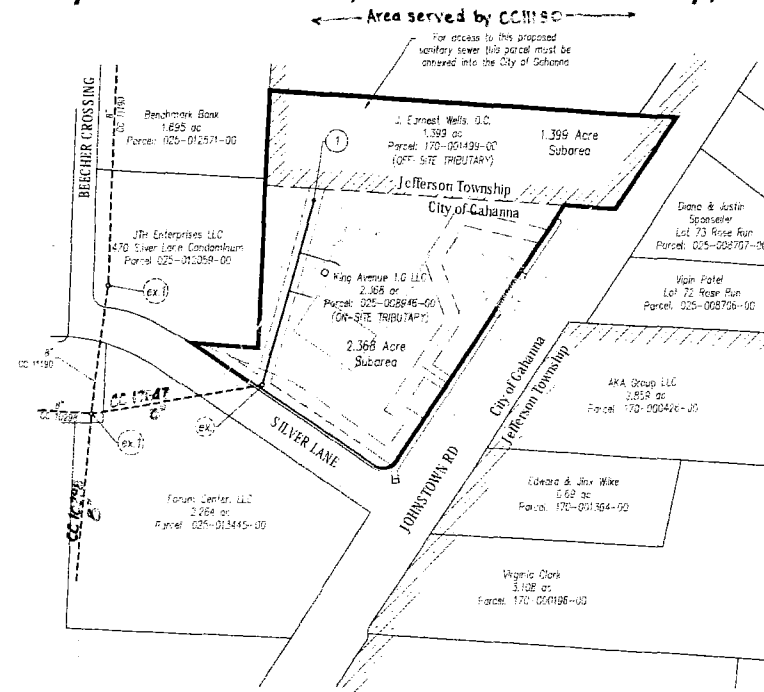
Frank Vlack
President
Allied Development Group, Inc.

PUBLIC SANITARY SEWER PLAN 2016 SA-1041 FMC Medical Clinic Gahanna (#3995-1-RL-E-GU-2016) 4251 Johnstown Road City of Gahanna, Franklin County, Ohio



VICINITY MAP

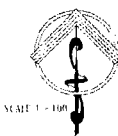
Sanitary Sewer Value = \$18,615.50



TRIBUTARY MAP

TRIBUTARY SERVICE TABULATION
On-site Tributary: 2.368 acres
Off-site Tributary: 1.399 acres
Total: 3.767 acres

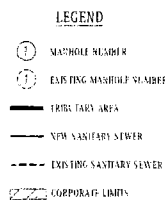
Parcel ID	owner name 1	owner name 2	mailing address 1	mailing address 2	parcel address
025-008946-00	First Community Bank		854 Philadelphia St	Indiana PA 15701-3649	4251 Johnstown Rd
170-000798-00	Dave	Virginia C	1292 E Johnstown Rd	Columbus OH 43235-1817	4230 Johnstown Rd
170-001964-00	Wike	Edward & Jina	832 Valleywood Heights Dr	Howard OH 43028-9892	4238 Johnstown Rd
170-004426-00	AKA Group LLC		6622 Vienna St	New Albany OH 43054-9138	4242 Johnstown Rd
170-001499-00	Wells	Ernest	4297 Johnstown Rd	Columbus OH 43230-1817	4297 Johnstown Rd
025-026071-00	Stonemans Bank		1491 Seaton Rd	Columbus OH 43230-6194	451 Spawker Rd
025-026086-00	JTH Enterprises		470 Silver Ln, Suite A	Columbus OH 43230-4795	470 Silver Ln
025-012660-00	First Commonwealth Bank		654 Philadelphia St	Indiana PA 15701-3649	470 Silver Ln
025-013445-00	Forum Center LLC		P. O. Box 490	Manon OH 43041-0485	961-979 Johnstown Rd
025-008706-00	Wike	Vipin	P. O. Box 30266	Columbus OH 43232-0266	961 McCarron Ct
025-008707-00	Sporester	Diane & Justin	1653 S Fashion Square Dr, Suite 99	Salt Lake City, UT 84117-5435	966 McCarron Ct



Sheet #	Sheet Title	Issue Date	Last Revised Date
1	TITLE SHEET	09/15/2016	
2	GENERAL NOTES, ESTIMATE OF QUANTITIES & DETAILS	10/12/2016	
3	SEWER PLAN-PROFILE	12/22/2016	

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DATE	DESCRIPTION	ISSUED/REVISED
10/11/2016	Revised per comments from CoG/PLP/Division per letter dated 10/06/2016	1-3
11/01/2016	Revised per comments from CoG/PLP/Division per letter dated 10/27/2016	1-3
12/12/2016	Revised per comments from CoG per markup plans received on 12/10/2016	1-3
2.2.2017	Revised per comments from Ohio EPA per letter dated 1.29.2017	1, 2



Gahanna Project Number: SA-1041
Columbus Project Number: CC-17630

STANDARD CONSTRUCTION DRAWINGS
The Standard Construction Drawings listed on these plans shall be considered a part thereof:

- | | |
|---------|---------|
| AA-S102 | AA-S106 |
| AA-S107 | AA-S110 |
| AA-S111 | AA-S113 |
| AA-S117 | AA-S149 |
| AA-S150 | AA-S151 |
| AA-S154 | AA-S160 |
| AA-S161 | |

THE SANITARY SEWERS REPRESENTED ON THIS PLAN MEET OR EXCEED THE CITY OF COLUMBUS DESIGN STANDARDS (INCLUDING PER CAPITA FLOW, PEAK FACTOR, AND INFLOW/INFILTRATION ALLOWANCE) AND MATERIAL SPECIFICATIONS.

Benchmarks
REFERENCE BENCHMARK
THE BENCHMARK REPRESENTED IS TRACKED (QUEST ENGINEER AGREEMENT #1-17 AND AGREEMENT #18) THE SOUTH END OF A CRUSTAL DEPRESSION ON THE WEST SIDE OF HAWKLEIGH RD.
ELEVATION: 991.048 (NAVD 83)
PROJECT BENCHMARK
THE SITE BENCHMARK IS THE SOUTH END OF THE SANITARY MANHOLE AT THE SOUTH END OF THE SEWER TRENCH
ELEVATION: 992.27 (GAMMA 84) M
Note: See drawing for location.

DEVELOPER:
KING AVENUE 1.0 LLC
10531 Timberwood Circle, Suite D
Louisville, KY 40223
PH 502 425-1524
FX 502 470-7670

ENGINEERS:
AET, INC.
12358 HOOSIER ROAD
FISHERS, IN 46037
PH 317 842-3003
FX 317 842-3458
EMAIL: aetinc.mba@gmail.com

SITE CONSULTANTS:
LAND FOCUS CONSULTING
PO BOX 67
PENDLETON, IN 46064
PH 765 778-4540
EMAIL: s.bouquin@landfocusconsulting.com

PROFESSIONAL ENGINEER'S CERTIFICATION
THIS IS TO CERTIFY THAT GOOD ENGINEERING PRACTICES HAVE BEEN UTILIZED ON THE DESIGN OF THIS PROJECT, AND THAT ALL OF THE MINIMUM LOCAL STANDARDS HAVE BEEN MET, INCLUDING THOSE STANDARDS GREATER THAN MINIMUM WHERE, IN MY OPINION, ARE NEEDED TO PROTECT THE SAFETY OF THE PUBLIC. ANY VARIANCES TO THE ABOVE STANDARDS ARE CONSISTENT WITH SOUND ENGINEERING PRACTICES AND ARE NOT DETRIMENTAL TO THE PUBLIC SAFETY AND CONVENIENCE.

Kenneth D. Kauffman
Ohio Licensed Professional Engineer No. 76939
DATE

CITY OF GAHANNA APPROVAL
THE SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

[Signature]
CITY ENGINEER, CITY OF GAHANNA, OHIO
DATE: 10/15/17

[Signature]
WATER RESOURCES ENGINEER, CITY OF GAHANNA, OHIO
DATE: 01/05/17

[Signature]
SUPERINTENDENT, STREETS AND UTILITIES, CITY OF GAHANNA, OHIO
DATE: 1/3/17

[Signature]
DIRECTOR OF PUBLIC SERVICE, CITY OF GAHANNA, OHIO
DATE: 1/4/17

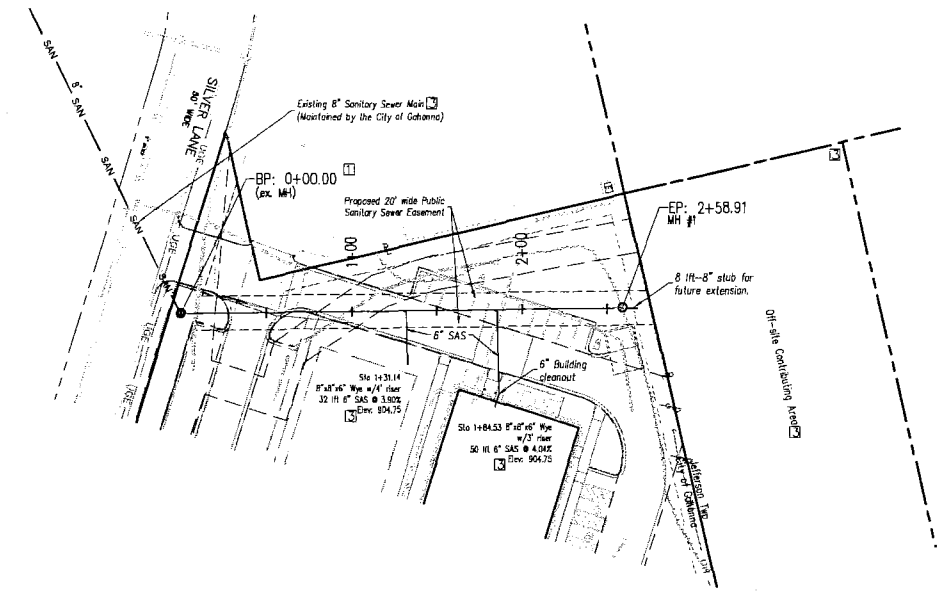
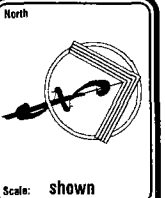
[Signature]
DIRECTOR OF FINANCE, CITY OF GAHANNA, OHIO
DATE: 1/4/17

CITY OF COLUMBUS APPROVAL
THE SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

APPROVAL ON THE PART OF THE CITY OF COLUMBUS IS GIVEN PURSUANT TO THE PROVISIONS OF THE SEWER SERVICE AGREEMENT, DATED JULY 26, 2004, WITH THE CITY OF GAHANNA AND ALL SUBSEQUENT AMENDMENTS THEREOF. THE SANITARY SEWER MEET OR EXCEED THE CITY OF COLUMBUS DESIGN STANDARDS (INCLUDING PER CAPITA FLOW, PEAK FACTOR, AND INFLOW/INFILTRATION ALLOWANCE) AND MATERIAL SPECIFICATIONS.

[Signature]
ADMINISTRATOR, DIVISION OF SEWERAGE & DRAINAGE
CITY OF COLUMBUS, OHIO
DATE: 12/29/16

[Signature]
DIRECTOR, DEPARTMENT OF PUBLIC UTILITIES
CITY OF COLUMBUS, OHIO
DATE: 1/25/17



Sewer Manhole Coordinates				
Structure #	Plan Northing	Plan Easting	As-built Northing	As-built Easting
(existing)	744506.339	1867100.751		
1	744755.600	1867172.000		

Sewer Alignment						
From	To	Size	Plan Bearing	Plan Distance	As-built Bearing	As-built distance
exist	1	8"	N 16°02'23"E	258.91'		

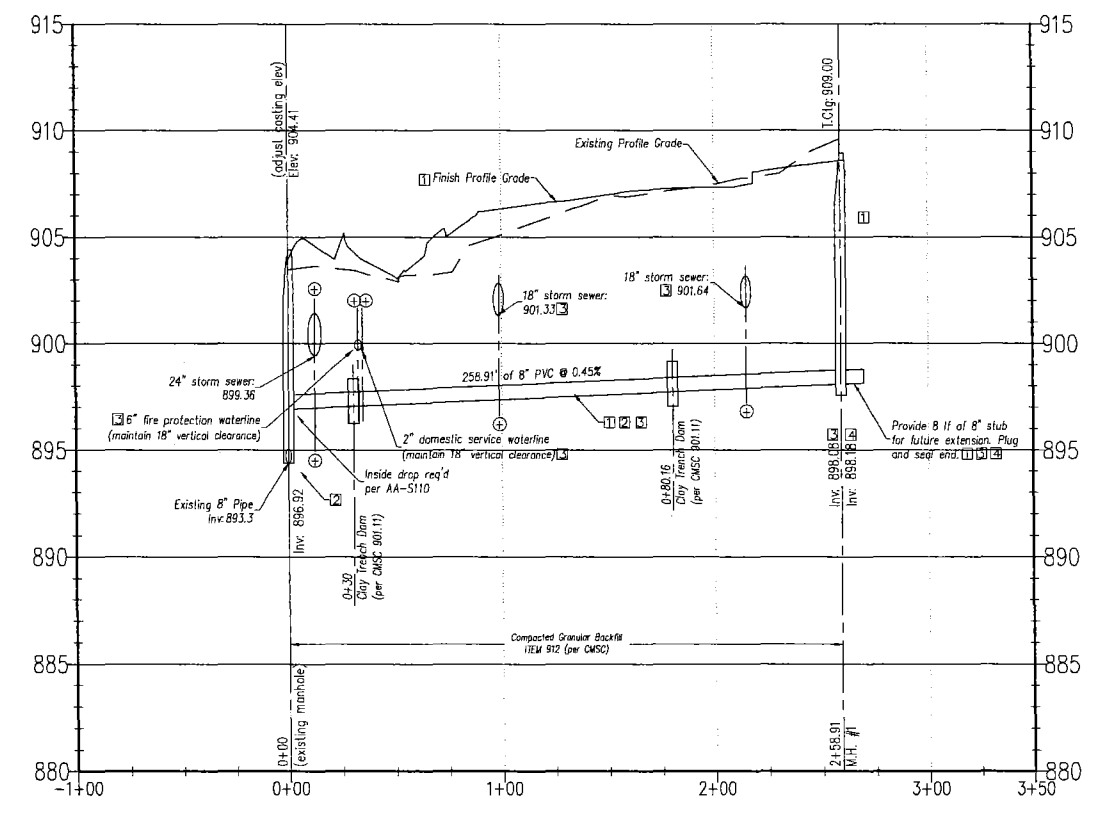
Sanitary Service Schedule						
Mainline Sewer Structure No.	Wye Branch Size & Station	Mainline Sewer Size & Invert @ Wye	Service Slope	Service Length	Riser Length	Elev at End of Service
ex-1	1+31.14-6"	8"-897.50	3.90%	32	6	904.75
ex-1	1+84.53-6"	8"-897.83	4.04%	50	5	904.75

NOTE:
 ALL SANITARY SEWER LINES SHALL BE CONSTRUCTED WITH A 10' MINIMUM HORIZONTAL CLEARANCE AND A 1.5' MINIMUM VERTICAL CLEARANCE UNDER ALL STORM SEWERS AND WATER LINES.

⊕ ANTI INFILTRATION AND INFLOW BARRIER SEE DETAIL ON SHEET 2
 PROFILE VERTICAL DATUM = NAVD 88

GENERAL NOTES
 CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS AND INVERTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 ANTI-INFILTRATION AND INFLOW BARRIER TRENCH BACKFILL SHALL BE INSTALLED AT ALL CROSSINGS BETWEEN WATER LINES OR EXISTING STORM SEWERS, SANITARY SEWERS OR SANITARY LATERALS. SEE DETAIL, THIS SHEET.
 THE LAST PIPE LAID IN EACH LATERAL RUN SHALL HAVE A FACTORY INSTALLED WATER-TIGHT STOPPER ON ITS BELL END TO PREVENT INFILTRATION.

Scale:
 Hor: 1"=50'
 Ver: 1"=5'

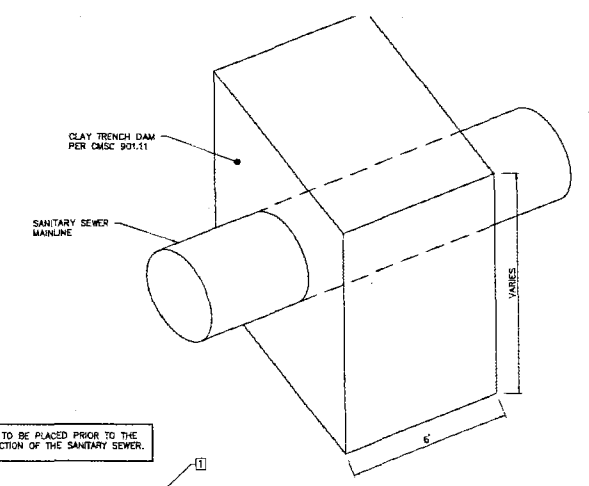


ⓧ DENOTES REVISION REFERENCE.

ALL FILL TO BE PLACED PRIOR TO THE CONSTRUCTION OF THE SANITARY SEWER.

ALL TRENCH BACKFILL SHALL BE COMPACTED BACKFILL TO 95% OF MAXIMUM DRY WEIGHT AT OPTIMUM MOISTURE CONTENT (±2%) UNLESS NOTED AS:
 ** COMPACTED GRANULAR BACKFILL, ITEM 912
 * COMPACTED BACKFILL, ITEM 911

⊕ ANTI INFILTRATION AND INFLOW BARRIER SEE DETAIL ON SHEET 2
 PROFILE VERTICAL DATUM = NAVD 88



CLAY TRENCH DAM DETAIL
 (NO SCALE)



Client
 King Avenue 1.0 LLC
 10531 Timberwood Circle, Suite D
 Louisville, Kentucky 40223
 Tel. 502.425.1625

Date 09.15.2016

Date	Revised
10.11.2016	Revised per comments from C&S/Revisions per letter dated 10.02.2016. Details
11.01.2016	Revised per comments from C&S/Revisions per letter dated 12.10.2016. Details
12.12.2016	Revised per comments from C&S per meeting received on 12.10.2016. Details
01.13.2017	Revised per comments from C&S/Revisions per email dated 11.20.17. Details

Project
 FMC Medical Clinic
 Gahanna (#3955-1-RL-E-GU-2016)
 4351 Johnstown Road, Millin Twp, Franklin County, Gahanna, OH

Sheet Title
 Dedicated Sanitary Sewer
 Sanitary Plan-Profile



Sheet No. **3**
 of 3 Civil Sheets

CC-17630
 SA-1041