

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.

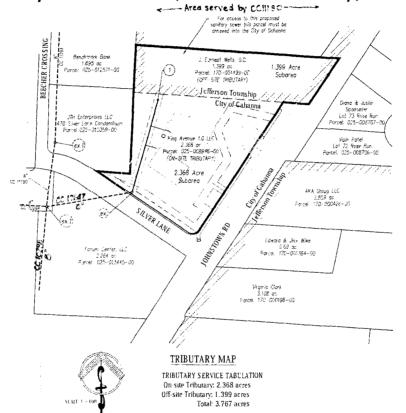
Sincerely,

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



Parcel ID	owner name 1	owner name 2	mailing address1	mailing address3	parcel address.
525-508946-60	First Community Bank		654 Philadelphia St	Indiana FA 15701-3949	4251 Johnstown Rd
70-000196-00	Care	Vaginia C	4220 È Johnstown Rd	Columbus: OH 43230-1817	4220 Johnstown Rd
70-001364-90	Withe	Edward & Jinx	832 Valleywood Heights Gr	Howard, OH 43528-9692	4236 Johnstown Rd
70-000426-00	AKA Group LLC		6656 Weigur St	New Albany OH 43054-9138	4242 Johnslown Rd
70-001499-00	Wells	Earnest	429? Johnstown Rd	Columbus: OH 43230-1817	4297 Johnstown Rd
25-012671-06	Benchmark Bank		451 Beecner Rd	Columbus OH 43230-6794	461 Beecher Rd
25-012059-00	JTH Enterprises	1	470 Silver Ln. Suite A	Columbus OH 46230-4575	470 Silver Ln
325-012060-00	First Commonwealth Bank	T	654 Phradelphra St	Indiana PA 15701-3949	470 Silver un
25-013445-00	Forum Center LLC		F G Box 495	Manon OH 43301-0495	951-979 Johnstown Rd
25-000706-00	Perel	Vipin	P O 8ton 30366	Calumbus , OH 43230-0266	:991 McCarron Ca
DE 500707 00	Contraction of the contraction o	Toward China	SENSO C CARLON CONTRACTOR ON COMP. NO.	Cals . ab - Cau : 27 044 07 5430	OCC 11-C state O

INDEX OF DRAWINGS		Systemate: 09.15.2016
Sheer 4	Sheet litte	ias: Newsorf Date
-	THE SHEET	10.17 2015
ż	GENERAL NOTES, ESTIMATE OF GUARRITIES, & STAES	12.12.2016
3	SEWER HAN-PROFILE	12,12,2016

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	IS IONS - 09.15.2016	
DATE	DESCRIPTION	SHEETS REVISED
10.11.2016	Revised per comments from CoS/R.Prestor per letter dated 10.06.2016	1-3
11.61.2016	Revised per comments from CoG/K.Priestas per letter dated 10.27.2016	1,3
12 (2.2016	Revised per comments from CoC per markup plans received on 12.19.2016	1-3
2.2.2017	Revised per comments from Ohio EPA per letter dated 1.29.2017.	1, 2

LEGEND

(1) MACHOLE NUMBER

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AA-S106 AA-S110 AA-S113 AA-S149 AA-S107 AA-S111 AA-S117 AA-S150 AA-S154 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, INFLITARTION ALLOWANCE) AND MATERIAL SPECIFICATIONS.

STANDARD CONSTRUCTION DRAWINGS

The Standard Construction Drawings listed on

KING AVENUE 1.0 LLC

10531 Timberwood Circle, Suite D Louisville, KY 40223 FH 502 425-1524

ENGINEERS: AET, INC

12358 HOOSIER ROAD FISHERS, IN 46037 PH 317 842 3003 FX 317-842 3458

Benchmarks

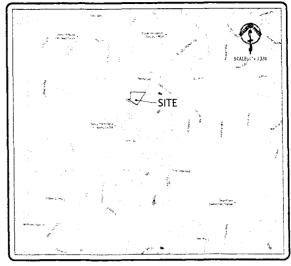
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PRODUCT BEXCHMARK

SITE CONSULTANTS: LAND FOCUS CONSULTING PO BOX 67

PENDLETON, IN 46064 EMAIL: s.bourquein@ landfocusconsulting.com



VICINITY MAP

Sanitary Sewer Value = \$18,615.50

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 GREAT R 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 ENGINEERIN PRACTICES AND ARE NOT DETRIMENTAL TO THE PUBLIC ASTEY AND CONVENIENCE.

Kenneth D. Kauffman Ohio Licensed Professional Engineer No. 76999	DAT
CITY OF GAHANNA APPROVAL	
THE SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE PURPOSE AND G THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGIN PLANS.	ENERAL LOCATIO EER PREPARING
CITY ENGINEER, CITY OF GAHANNA ONIO	14/21
aller Fit	01/0
WATER RESOURCES ENGINEER, CITY OF GAHANNA, OHIO	01 10
SUPERINTENDENT, STREETS AND UTILITIES, CITY OF GAHANNA, OHIO Dotte le-france of	1/3
DIRECTOR OF PUBLIC SERVICE, CITY OF GARANNA, DHIO	1/4/
DIRECTOR OF FINANCE CITY OF GAHANNA CATO	4 4 4
MAYOR, CITY OF GAHANNA, OHIO	119

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.

Je Lin (Newsome / 6F ADMINISTRATOR, DIVISION OF SEWERAGE & DRAINAGE CITY OF COLUMBUS, OHIO

DIRECTOR, DEPARTMENT OF PUBLIC UTILITIES CITY OF COLUMBUS, OHIO

PM 241 CC17630 Sheet 1 of 3 ALL WORK IS TO BE ACCEPTABLE TO THE CITY OF CAHANNA OFFICIALS. NO WORK IS TO COMMENCE UNTIL ARRANGEMENTS HAVE BEEN MADE WITH THE CITY OF CAHANNA ENGINEER FOR INSPECTION.

THE CONTRACTOR SHALL NOTIFY THE CITY OF GAHANNA ENGINEER AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

ALL PERTINENT STANDARD CONSTRUCTION DRAWINGS ARE AVAILABLE UPON REQUEST AT THE OFFICE OF THE ENGINEER OF THE CITY OF GAHANNA.

THE OWNER AND/OR DEVELOPER OR HIS REPRESENTATIVE SHALL SCHEDULE A PRE-CONSTRUCTION MEETING ONE BUSINESS WEEK PRIOR TO CONSTRUCTION. THE MEETING SHALL TAKE PLACE AT LEAST OWNE BUSINESS WEEK PRIOR TO THE FOLLOWING: SITE CLEARING, MATERIAL DELIVERED ON—SITE, ECUPIMENT ON—SITE AND RELD OFFICE ON—SITE.

THE OWNER AND/OR DEVELOPER OR HIS REPRESENTATIVE SHALL, PRIOR TO ANY CONSTRUCTION OFFERING, DEPOSIT WITH THE CITY THE TOTAL ESTIMATED COSTS FOR INSPECTION, ADMINISTRATIVE, WATER AND SANTATION FEES.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA). THE CONTRACTOR SHALL EXERCISE PRECAUTION ALWAY FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO WITHER, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROCREMS IN CONNECTION WITH THE WORK, INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER 209 CFR 1910,146.

THE PRICE(S) QUOTED SHALL INCLUDE ALL ITEMS OF LABOR, MATERIALS, TOOLS, EQUIPMENT, INSURANCE AND OTHER COSTS NECESSARY TO TULLY COMPLETE THE WORK PURSUANT TO THE CONTRACT DOCUMENTS. IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO PROVIDE AND REQUIRE A COMPLETED WORK PROJECT READY FOR OPERATION. ANY WORK ITEMS OMITTED FRO SUCH CONTRACT DOCUMENTS WHICH ARE CLEARLY NECESSARY FOR THE COMPLETION OF SUCH WORK AND ITS APPURTENANCES SHALL BE CONSIDERED A PART OF SUCH WORK ALTHOUGH NOT DIRECTLY SPECIFIED OR CALLED FOR IN THE CONTRACT DOCUMENTS ANY DISCREPANCIES OR QUESTIONS FOR CLARITY ABOUT THE PROJECT MUST BE PRESENTED PRIOR TO CONSTRUCTION.

ALL FIELD TILE BROKEN DURING EXCAVATION SHALL BE REPLACED WITH PERFORATED PIPE OR CONNECTED TO THE STORM SEWER SYSTEM.

THE CONTRACTOR SHALL REPAIR OR REPLACE ANDY OR ALL EXISTING SIGNS, SHRUB, FENCES OR OTHER PHYSICAL FEATURES DANAGED DURING THE EXECUTION AND COMPLETION OF IMPROVEMENTS

THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND GOVERNMENT FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF IMPROVEMENTS SHOWN ON THESE PLANS.

THE CONTRACTOR SHALL CLEAN ADJACENT STREETS ON A DAILY BASIS IF MUD IS TRACKED FROM VEHICLES VISIT THE SITE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF ALL TRENCHES WITHIN THE THE GUINNOVER AND LOCAL CONTROLL FOR THE WORK UNITS FOR A PERIOD OF (1) YEAR FROM THE FINAL ACCEPTANCE OF THE WORK, AND SHALL MAKE ANY AND ALL NECESSARY REPAIRS AT NO COST TO THE OWNER OF CITY OF GAHANNA.

THE CONTRACTOR SHALL CONFINE ACTIVITIES TO THE PROJECT SITE, EXISTING RIGHT-OF-WAY, TEMPORARY AND PERMANENT EASEMENTS, AND SHALL IN OT ENTER UPON OTHER PROPERTIES WITHOUT WRITTEN PERMISSION OF THE OWNER OF THOSE PROPERTIES. SHOULD SUBSURFACE WATER BE EMCCONTRERED, THE CONTRACTOR SHALL FRRINGSH AND OFFERE SUTTABLE FUNDING EQUIPMENT OF SUCH CAPACITY ADEQUATE TO DEWATER THE TERROIL. THE TERROIL SHALL BE SUFFICIENTLY DEWATERED SO THAT THE PLACEMENT OF BEDDING AND LAYING AND JOINING OF THE PIPE IS MADE IN A TIRETH OF STANDING WATER. THE CONTRACTOR SHALL CONNEY ALL TRENCH / EXCAVATION WATER TO A NATURAL DRAINAGE CHANNEL OR STORM SEWER WITHOUT CAUSING ANY PROPERTY DAMAGE. SUCH DISCHARCE MUST MEET REQUIPEMENTS FROM THE OHIO EPA RECARDING DISCHARGE OF SURFACE RUNOFF.

FINAL GRADE ADJACENT TO THE BUILDING SHALL SLOPE AWAY FROM THE BUILDING.

DUST CONTROL LISHALL BE MAINTAINED THROUGHOUT THE ENTIRE SITE.

THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE CONSTRUCTION TO PLAN GRADES. THE THE CONTRACTOR IS ULTMATELY RESPONSIBLE TO ENSURE CONSTRUCTION TO PLAN GRADES. THE CONTRACTOR SHALL ENSURE THERE IS A SURVIVOR'S LEVEL AND ROLD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS WHENEVER SCHER LINE STRUCTURES OR PIPES ARE BINING INSTGALLED. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR USE AND ASSIST THE CITY INSPECTIOR AND/OR WONER'S REPRESENTATIVE WHEN REQUESTED. THE INSPECTIOR MILL MAKE ALL REASONABLE ATTEMPTS TO CONTINE REQUESTS FOR ASSISTANCE IN PERFORMING GRADE CHECKS TO TIMES CONCINENTED TO THE CONTRACTOR THESE CHECKS WILL BE PERFORMED TO ENSURE THAT CONSTRUCTION MATCHES PLAN GRADE, AND TO ENSURE THAT ALL EXISTING INVERTS AND EXISTING TOPOGRAPHY, ALONG MITH THE PROPOSED TOP OF CASTING ELEVATIONS ARE VERRIED PRIOR TO CONSTRUCTION OF THE SEMER.

THE CONTRACTOR SHALL REFERENCE ALL BYON PINS, MONUMENTS OR OTHER PROPERTY CORNER REFERENCES. IF ANY PINS OR MONUMENTS ARE DESTROYED OR DAMAGED BY THE CONTRACTOR, THEY SHALL BE ACCURATELY REPLACED BY A REGISTERED SURVEYOR IN THE STATE OF OHIO AT THE COMPLETION OF THE PROJECT.

THE COST OF RELOCATING AND/OR SECURING ANY POWER POLES AS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS OF THE CONTRACT

VERTICAL CONTROL HAS BEEN ESTABLISHED FOR THE PROJECT AS SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED BUYEYS TO COMPLETE THE PROJECT, RE-ESTABLISH CONTROL POWER, PROJECT CONSTRUCTION LAYOUT AND STANING OF EASEMENTS, AS-BUILT INFORMATION AS MAY BE REQUIRED BY THE CITY OF CAHANNA, CITY OF COLUMBUS AND/OR UTILITY HAVING JURISDICTION.

DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND PROPER SOIL EROSION MEASURES FOR PROTECTION OF ALL ADJACENT ROADS AND LANDS.

ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, RESTORATION, OF ANY OTHER ACTIVITY CONCENSED WITH THE CITY'S ELECTRICAL OR STREET LIGHTING SYSTEMS IN THE CONSTRUCTION AREA IS TO BE PERFORMED SOLEY BY THE CITY AT THE EXPENSE OF THE PROJECT. THE CITY SHALL BE NOTIFIED PRIOR TO CONSTRUCTION TO ALLOW FOR ENGINEERING AND REJOCATION OF THE FACILITIES.

IF ANY ELECTRIC FACILITY BELONGING TO THE CITY IF DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SUBCONTRACTORS, SERVANTS OR EMPLOYEES, THE CITY SHALL MAKE ALL NECESSARY REPAIRS. THE EXPENSE OR SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAIR BY THE CONTRACTOR TO THE CITY.

ALL CURB RAMPS AND SIDEWALKS SHALL BE CONSTRUCTED IN FULL COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) OF 1990, INCLUDING ALL SUPPLEMENTS, AND UPDATES, IN ACCORDANCE WITH THE CITY OF COLLINGUS STANDARDS DRAWING 2319, INCLUDING ALL SUPPLEMENTS AND/OR REPLACEMENTS, CURRENT ON THE DATE OF THE START OF PROJECT CONSTRUCTION. SIDEWALKS SHALL BE CONSTRUCTED WITH A 3/16 PER FOOT (1.56%)

NO-NONRUBBER TIRED VEHICLES SHALL BE MOVED ON CITY STREETS, EXISTING PRIVATE ROADWAYS, OR PARKING LOTS UNLESS WRITTEN APPROVAL IS GRAINED OR OBTAINED BY THE APPROPRIATE CITY AUTHORITY OR PROPERTY OWNER. ANY DAMAGE MUST BE REPREDED BY THE COTHACTOR TO THE SATISFACTION OF THE CITY OF GAHANNA AT NO COST TO THE CITY OR PROPERTY

THE CONTRACTOR SHALL MAKE HIS OWN PROVISIONS TO PROVIDE A SITE STAGING AREA AND JOB TRAILER FOR THE PROJECT'S IMPROVEMENTS.

NO NATURAL DRAINAGE COURSES SHALL BE ALTERED AND NO FILL, BUILDINGS OR STRUCTURES SHALL BE PLACED IN IT UNLESS PROVISIONS ARE MADE FOR IN THE FLOW OF WATER IN A MANNER SATISFACTORY TO THE CITY ENGINEER, AN EASEMENT SHALL BE PROVIDED ON BOTH SIDES OF ANY EXISTING IMPORTANT SURFACE DRAINAGE COURSE ADEQUATE FOR THE PURPOSE OF PROTECTING, MOENING, DEEPENING, ENCLOSING OR OTHERWISE IMPROVING SUCH ST REAM FOR DRAINAGE

ORANGE CONSTRUCTION FENCING SHALL BE PLACED AROUND THE EXISTING TREES TO BE SAVED AND REMAIN IN PLACE DURING THE DEVELOPMENT'S CONSTRUCTION. THE LOCATION OF THE FENCING AND ANY CLEARING NECESSARY WILL BE DETERMINED BY THE APPROVED PLANS.

THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION FROM THE PROJECT SITE WHERE AND AS DIRECTED BY THE CHINER AND/OR THE CITY OF GAHANNA.

INCONVENIENCE TO THE ADJACENT OWNERS AND TO THE TRAVELING PUBLIC SHALL BE KEPT TO AN ABSOLUTE MINIMUM. ALL WORK IS TO CONTINUE ON A UNIFORM BASIS AND ON SCHEDULE, PARTICULARLY THE ASTORATION AND CLEAN UP OF DISTURBED AREA AFTER CONSTRUCTION. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT SOLS TRANSPORT DURING CONSTRUCTION DITTO THE PUBLIC ROADS. THE CONTRACTOR SHALL CLEAN AND SIMED STREETS AS DIRECTED BY THE CITY, COSTS TO BE INCLUDED IN THE PRICE BID UNDER THE VARIOUS RELATED ITEMS.

THE CONTRACTOR SHALL GIVE NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (PHONE THE CONTROLLOR SHALL GIVE NOTICE TO THE CHIND VISILIES PROJECTION SERVICE (PINE).

HE-800-352-2784), AND TO THE OIMERS OF THE UTILITY SHOWN ON THE PLAN WHO ARE NOT MEMBERS OF A REGISTERED UTILITY PROTECTION SERVICE. THE ABOVE MENTONED NOTICE SHALL BE GIVEN AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REJECTION OF ANY UTILITY AS REQUIRED BY THE PLAN WITH

THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THE PLANS OR NOT. THE COST OF THIS MORK SHALL BE INCLUDED IN THE PRICE BUT FOR THE VARIOUS RELATED ITEMS. THE CONTRACTOR SHALL EXPOSE ALL UTILITY OR STRUCTURES PRICE TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORZOVITAL EFFECTS ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL GIVE NOTICE TO GUPS AND OTHER UTILITY OWNERS PER THE GENERAL MOTES.

THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWNES AS ACCURATELY AS PROVIDED BY THE SUPPLEYS. THE ENGINEET ASSUMES ON RESPONSIBILITY FOR THE ACCURACY OF DEPTH OF THE UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION PLANS, NOTE THAT UNLESS IT IS DISCLOSED TO THE ENGINEER OR SURVEYOR, THE DEPTH OF ANY UNDERGROUND UTILITY CANNOT BE ACCURATELY DEPICTED.

WHERE POTENTIAL GRADE CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL UNCOVER THE EXISTING UTILITY IN ADVANCE OF LAYING PIPE, CONDUIT OR OTHER IMPROVEMENTS IN ORDER THAT THE CITY AND/OR OWNER MAY DETERMINE THE EXACT ELEVATION AND MAKE ANY NECESSARY ON RECTURENT

THE FOLLOWING UTILITIES AND OWNERS AR LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND ARE REGISTERED MEMBERS OF THE UNDERGROUND UTILITY PROTECTION SERVICE:

UTILITY	OWNER	TELEPHONE	FAX
WATER FACILITIES	CITY OF GAHANNA	514-342-4440	614-342-4100
	WATER DIVISION		1
	200 S. HAMILTON AVE		!
	GAHANNA, CH 43230		l
SEWER FACILITIES	CITY OF GAHANNA	614-342-4440	614-342-4100
	SEWER DIVISION	1	
	200 S. HAMILTON AVE		ļ
	GAHANNA, OH 43230		
ELECTRIC FACILITIES	AMERICAN ELECTRIC POWER	614-883-6811	514-883-6858
	850 TECH CENTER DR.		
	GAHANNA, OH 43230		
GAS	COLUMBIA GAS OF CHIO	614-460-6000	614-460-4265
1	200 CIVIC CENTER DR.		1
	COLUMBUS OH 43215		
TELEPHONE	AT&T	800-660-1000	614-223-6296
1	150 E. GAY 5T		
	COLUMBUS, CH 43212		

CONTRACTOR TO COORDINATE WITH THE GAS, ELECTRIC, CABLE AND TELECOMMUNICATION COMPANIES TO COORDINATE FINAL CONSTRUCTION DETAILS AND ROUTING FOR THE ON-SITE SERVICE LINES.

THE CONTRACTOR SHALL BE RESPONSBLE FOR COORDINATING WITH THE OWNER AND THEIR CONSULTANTS (ARCHITECTS, ENGINEERS, CONSULTANTS) FOR THE FINAL LOCATION OF THESE UTILITY ETHEORY DEED BUILD THE DESCRIPTION OF THE PROPERTY. SERVICES INTO THE BUILDING.

PLACEMENT OF UTILITY CONDUIT OR SLEEVES FOR GAS, SITE ELECTRIC, CATV AND TELECOMMUNICATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE PLAN DETAILS AND IN CONFORMANCE TO THE REQUIREMENTS OF THE RESPECTIVE UTILITY COMPANIES.

ALL WATER LINE MATERIAL AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS OF THE CITY OF COLUMBUS, DIVISION OF WATER AND DIRECTION OF THE

WATER MAINS, AND FIRE HYDRANTS LEADS SHALL BE DUCTLE IRON PIPE, CLASS 53 (AWWA C151). WITH CEMENT MORTAR LINING AND SEAL COAT (AWWA C104) OR PVC, CLASS 150 MEETING AWWA C900. JOINTS WHALL BE RUBBER GASKET PUSH-ON MECHANICAL (AWWA C110).
FIRE HIDRANTS SHALL BE SUPPLED AND INSTALLED IN ACCORDANCE AS SHOWN ON THE CITY OF
COLUMBUS L-6409 AND L-6637 STANDARD CONSTRUCTION DRAWNGS. FIRE HYDRANTS SHALL BE MUFLLER SUPER CENTURION 250 FIRE HYDRANT WITH 5" STORY PLIMPER NOZZLE OPTION AMERICAN DARLING 4-182 MK73 - 5 WITH 5' STORZ PUMPER NOZZLE OPTION OR APPROVED EQUAL AND PAINTED GRAY AND RED.

ALL WATER SERVICES SHALL BE INSTALLED IN ACCORDANCE AS SHOWN ON THE CITY OF COLUMBUS L-9901 STANDARD CONSTRUCTION DRAWING. STAINLESS STEEL SERVICE SADDLES SHALL BE PROVIDED FOR ALL WATER SERVICE TAPS.

ALL GATE VALVES SHALL BE RESILIENT SEAT TYPE MANUFACTURED TO MEET OR EXCEED THEN REQUIREMENTS OF ANSI/AWWA COOP OR THE LATEST REVISION

WATERLINES SHALL BE LAID WITH A MINIMUM OF 4'-5' OF COVER FROM THE FINISH GRADE TO THE TOP OF THE WATERLINE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HORIZONTAL AND VERTICAL DEFLECTIONS OF BENDS OF THE WATER LINES IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION, DEFLECT WATER LINES TO PROVIDE A 1'-6" VERTICAL AND 10'-0" HORIZONTAL CLEARANCE WITH SEMERS.

ALL MATER MAINS AND SERVICE LINES SHALL BE TESTED UNDER A MINIMUM HYDROSTATIC TEST OF 150 PS AND IN ACCORDANCE WITH AWAIN S-600 AND CITY OF COLUMBUS ITEM 801.12, NO PRESSURE TEST SHALL BE PREFORMED IF THE TEMPERATURE IS BELOW FREEDR.

A TRACER WIRE SHALL BE INSTALLED WITH ALL WATERLINES SHOWN ON THESE PLANS IN ACCORDANCE WITH THE REQUIREMENTS FOR DEDICATED WATER MAINS FOR THE UTILITY HAWING JURISDICTION.

THE CONTRACTOR SHALL SUBMIT TWO (2) COPIES OF THE PLANS SHOWING THE AS-BUILT LOCATIONS OF THE WATER LINES. RESULTS OF THE PRESSURE TEST AND A LETTER REQUESTING CHLORINATION TO THE CITY OF GAHANIA. COST OF CHLORINATION SHALL BE INCLUDED IN THE BID PRICE FOR THE WATER LINE (TEMS.

THE FOLLOWING IS TAKEN FROM THE STANDARD SPECIFICATIONS OF THE CITY OF COLUMBUS, SUPPLEMENTAL SPECIFICATIONS 2015.

PVC PIPE SHALL MEET THE REQUIREMENTS OUTLINED IN 11EM 720.08: POLYMNYL CHLORIDE SOUD WALL PIPE PROVIDE PVC SOLID WALL PIPE AND FITTINGS WITH NOMINAL SIZES OF 4 THOUGH 15-INCH (100 THROUGH 375 MM) DIAMETER IN ACCORDANCE WITH ASTM D 3034, SDR 35.

PVC JOINTS SHALL WEET THE REQUIREMENTS OUTLINED IN 17EM 901.15: TYPE PSM POLY VINYL. CHLORDE (PVC) SEWER PIPE PROVIDE PIPE JOINTS CONFORMING TO THE REQUIREMENTS OF ASTM D 3212.

ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY

SERVICE RISERS, ITEM 914, SHALL BE INSTALLED WHERE DEPTHS FROM THE WYES TO THE EXISTING OF PROPOSED ELEVATIONS EXCEED 10°. THE TOPS OF RISERS SHALL BE NO MORE THAN 9°4 BELOW THE EXISTING OR PROPOSED SURFACE ELEVATION, WHICHEVER IS HIGHER.

THE SITE UTILITY CONTRACTOR SHALL CAL THE CITY OF GAHANNA UTLITIES DEPARTMENT FOR INSPECTIONS OF TAPS, NEW WAIER SERVICE, AND FIRE HYDRANTS. CALL 614—342—4440, 24 HOURS IN ADVANCE TO SCHEDULE AN INSPECTION.

A MINIMUM VERTICAL CLEARANCE OF 1.5 FEET SHALL BE PROVIDED BETWEEN THE PROPOSED SANITARY SERVICE AND EXISTING UTILITIES OR ST RUCTURES UNLESS OTHERWISE NOTED ON THESE

ALL PVC SEMER LINES SHALL BE DEFLECTED TESTED AFTER INSTALLATION IN CONFORMANCE WITH THE REQUIREMENTS OF ITEM 901 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITION.

PIPE FOR ALL 6' SANITARY SERVICES SHALL BE PVC PIPE ASTM D-3034, SDR35. THE SERVICES SHALL BE FIELD TESTED BY THE INFILTRATION, EXPLITRATION OR AIR TEST.

ALL PIPES SHALL BE LAID WITH TYPE I GRANULAR MATERIAL BEDDING AND BACKFILL AS SHOWN ON THE CITY OF COLUMBUS STANDARD CONSTRUCTION DETAL, AA-S151. INSTALLATION SHALL CONFORM TO CMS SECTION 900.

ANY PLACEMENT OF SANITARY SEMERS BENEATH EXISTING OR PROPOSED PAVEMENT SHALL BE COMPLETELY BACKFULED IN ACCORDANCE WITH THE CITY OF COLUMBUS CMS ITEM 912; COMPACTED GRANULAR BACKFUL.

THE CONTRACTOR SHALL BE REQUIRED TO VACUUM TEST ALL MANHOLES IN ACCORDANCE WITH THE CITY OF COLUMBUS SPECIFICATIONS.

ALL SANITARY SEWER LINES SHALL BE CLEANED AND VIDEOED PRIOR TO ACCEPTANCE

ANY PLACEMENT OF STORM SEMERS BENEATH EXISTING OR PROPOSED PAYEMENT SHALL BE BACKFILLED IN ACCORDANCE WITH THE CITY OF COLUMBUS ONS ITEM 912; COMPACTED GRANULAR BACKFILL

ALL STORM PIPES SHALL BE LAID WITH TYPE I GRANULAR MATERIAL BEDDING AND BACKFUL AS SHOWN ON THE DITY OF COLUMBUS STANDARD CONSTRUCTION DETAIL, AA-S151. INSTALLATION SHALL CONFORM TO CASE SECTION 900.

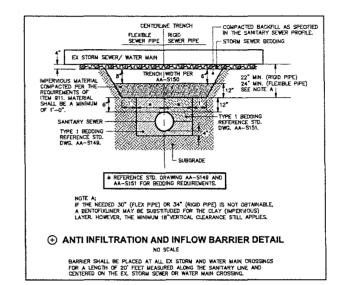
ALL CONCRETE PIPE AND STORM SEWER STRUCTURES SHALL BE STAMPED OR HAVE SUCH DENTRICATION NOTING THAT SAID PIPE AND/OR STORM STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF COLUMBUS AND METS THEIR SPECIFICATIONS. PIPE AND STRUCTURES WITHOUT PROPER IDENTRICATION SHELL NOT BE FERRITIZED FOR INSTALLATION.

ALL CURB INLETS AND MANHOLES SHALL BE CHANNELED AS DIRECTED. THE COST FOR THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS STORM SEWER ITEMS.

IN CASE OF CONFLICT IN GRADE BETWEEN WATER LINES AND STORM SEWER, THE WATER LINES SHALL BE LOWERED DURING CONSTRUCTION.

ALL PLASTIC SEWER LINES SHALL BE DEFLECTED TEST AFTER INSTALLATION IN CONFORMANCE WITH THE REQUIREMENTS OF THE CITY OF COLUMBUS CMS ITEM 901.





④ NOTES:

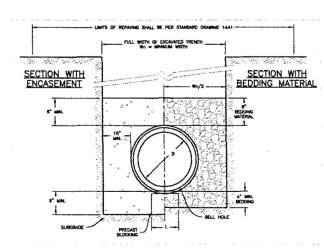
- WHERE PROPOSED STORM CROSSES SANTARY, RUBBER O.-RING GASKETED STORM PIPE (MEETING OR EXCEEDING LEAKAGE TESTS FOR SANTARY SEMER PIPE PER 801.20) SHALL BE USED FROM STORM STRUCTURE TO STORM STRUCTURE AND INDICATED ON CORRESPONDING CO-PLAN OR F-PLANS.

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

- ALL ELEVATIONS SHOWN ARE BASED ON 1988 NAVO UNLESS OTHERWISE SPECIFIED 3 - ANTI INFILTRATION AND INFLOW PROTECTION APPLIES TO ALL SANITARY MAINS AND SERVICE LINES.

ALL TRENCH BACKFILL SHALL BE CONPACTED BACKFILL TO 98% OF MAXIMUM DRY WEIGHT AT OPTIMUM MOISTURE CONTENT (±2%) UNLESS

** COMPACTED GRANULAR BACKFILL, ITEM 912
* COMPACTED BACKFILL, ITEM 911





1. SECTIONS SYMETRICAL ABOUT &

2. PIPE DIMENSIONS ON CHART ARE MINIMUM AND EXPRESSED IN INCHES.

4. ENCASEMENT TO BE CLASS "A" CONCRETE, ITEM 905.

5. THE PIPE SHALL BE SUPPORTED BY 12" CONCRETE BLOCKING WHEN CONCRETE ENCASEMENT IS REQUIRED.

BLOCKING SHALL HAVE THE LENGTH SHOWN IN THE CHART OR OF SUFFICIENT LENGTH SO THAT
THE PIPE LONG ON THE SUBGRADE SHALL HOT EXCEED 3,000 LBS/SF. SEE CHART FOR MINIMUM
BLOCKING ELBOTHS.

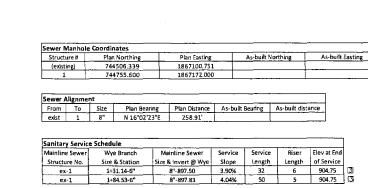
TYPE 1 BEDDING FOR FLEXIBLE SEWER PIPE 6"-60" DIAMETER

CC-17630

1.0 l 09.15.2016 Dale 10.11.2016 12.12.2016 02.02.2017 Clinic E-GU-201 Details Detail Note KENNETH D. KAUFFMAN P.E. 76999

none





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

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

-BP: 0+00.00 [□] (ex. MH)

18" storm sewer: 901.33 3

Compacted Granular Backfill ITEM 912 (per CMSC)

1+00

2" domestic service waterline (maintain 18 vertical clearance)[3]

-11 (2) (3)

0+80.16 Clay Trench (per CMSC 8

2+00

⊕

-[2]

0+00

0+30 Clay Treed (per CMSC

Inside drop reg'd per AA-S110

24" storm sewer:__ 899.36

Existing 8" Pipe_/ Inv: 893.3

☐ 6" fire protection waterline (maintain 18" vertical clearance)

915

910-

905-

900-

895

890

885-

880

/EP: 2+58.91

8 Ift--8" stub for future extension.

-910

905

900

895

-890

-885

-|880 ₃₊₅₀

Provide: 8 If al 8" stub for future extension. Plug and seat end. 11 21 41

3+00

898.0857 898.18 to

N ...

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 A 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 IT'S BELL END TO PREVENT INFILTRATION.

CLAY TRENCH DAM PER CMSC 901.11 SANITARY SEWER -ALL FILL TO BE PLACED PRIOR TO THE CONSTRUCTION OF THE SANITARY SEWER.

X DENOTES REVISION REFERENCE.

ALL TRENCH BACKFILL SHALL BE CONPACTED BACKFILL TO 98% OF MAXIMUM DRY WEIGHT AT OPTIMUM MOISTURE CONTENT (±2%) UNLESS NOTED AS:

** COMPACTED GRANULAR BACKFILL, ITEM 912 * COMPACTED BACKFILL, ITEM 911

 ANTI INFLITRATION AND INFLOW BARRIER
SEE DETAIL ON SHEET 2 PROFILE VERTICAL DATUM - NAVO 88

CLAY TRENCH DAM DETAIL

CC-17630 SA-1041

scale: shown

King Avenue 1.0 LLC 10531 Timberwood Circle, Suite D Louisville, Kentucky 40223 Tet. 502.428:1525

09.15.2016

Persist per connent from Co.(P. Frieden per fetter shi 10.07-2016, Cheese []
Resease per connents com Co.(R. Frieden per fetter shi 0.62-2016, Denne []
Resease per comments com Co.(R. Frieden per fetter shi 0.62-2016, Denne []
Resease per comments com Co.(R. Frieden per service of the connents from Co.C. P. Frieden per comment from Co.C. P. Frieden per mont dated (1.1.2717, Denne [])

Date 10.11.2016 11.01.2016 12.12.2016 01.13.2017 윭

Dedicated Sanitary Sewer

FMC Medical Clinic Gahanna (#3995-1-RL-E-GU-2016) town Road, Mirlin Twp, Frankin County, Gaha



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