

APPENDIX A:
Survey Basemap and Utility Identification

1. HORIZONTAL DATUM IS OHIO STATE PLANE, NORTH ZONE NAD83(2011) GRID NORTH BASED ON ODOT RTN GPS OBSERVATIONS PERFORMED ON JULY 27, 2021.
2. VERTICAL DATUM IS NAVD 1988 BASED ON ODOT RTN GPS OBSERVATIONS PERFORMED ON JULY 27, 2021.
3. PERTINENT RECORDS USED ARE AS SHOWN HEREON.
4. THIS MAP AND THE SURVEY ON WHICH IT IS BASED HAVE NOT BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND ARE NOT INTENDED TO REFLECT ALL EASEMENTS, ENCUMBRANCES, OR OTHER CIRCUMSTANCES AFFECTING THE TITLE TO THE PROPERTY SHOWN HEREON.
5. THE UTILITIES, SEWERS AND THEIR LOCATIONS SHOWN HEREON ARE DERIVED FROM A COMBINATION OF FIELD SURVEYING OF VISIBLE UTILITY STRUCTURES, AVAILABLE PLANS AND A LEVEL C SUBSURFACE UTILITY INVESTIGATION. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THE DEPICTED LOCATIONS. OTHER UNKNOWN UTILITIES MAY EXIST AND NECESSARY PRECAUTIONS SHOULD BE FOLLOWED WHEN EXCAVATING. ADDITIONAL INVESTIGATION SUCH AS VIDEOTAPING PIPE RUNS, NON-DESTRUCTIVE EXPOSURE OF UTILITIES MAY DETERMINE THE UNKNOWN UTILITY INFORMATION. CONTACT OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1-800-362-2764 PRIOR TO EXCAVATION.
6. AS OF MARCH 6, 2023, THE FOLLOWING COMPANIES HAVE RESPONDED TO THE INITIAL QPS REQUEST: A119701109-00A, A119701091-00A, A119701052-00A A303301415, A303301463, A303301526, A303301534, A303301546, A304002605, A304002624, B304001207, B304001210, B304001215 FOR UTILITY PLANS: AT&T OHIO, CLEVELAND WATER, DOMINION ENERGY OHIO, ILLUMINATING COMPANY, CHARTER COMMUNICATIONS, NEORDS.
7. PROPERTY LINES ARE SHOWN FROM CUYAHOGA GIS INFORMATION AND ARE NOT INTENDED TO REPRESENT A COMPLETE BOUNDARY SURVEY.

	KS CONTROL POINT		BUSH/SAPLING
	BENCH MARK		TREE
	SOIL BORING		EVERGREEN TREE
	IRON PIN/PIPE FOUND		STUMP
	MONUMENT BOX		ROCK
	CLEANOUT		WATER VALVE
	GAS VALVE		FIRE HYDRANT
	GAS METER		MAIL BOX
	POWER POLE		WIRE ANCHOR
	TELEPHONE/POWER POLE		CURB INLET
	LIGHT POLE		CATCH BASIN ROUND
	TELEPHONE POLE		CATCH BASIN SQUARE
	ELECTRIC METER		STORM MANHOLE
	UNKNOWN UTILITY		SANITARY MANHOLE
	POST		CLEANOUT
	SIGN		

	P/L	PROPERTY LINE
	R/W	RIGHT OF WAY
		CENTERLINE
	G	GAS LINE
	SN	SANITARY SEWER
	ST	STORM SEWER
	W	WATER LINE
		GUARD RAIL
		DITCH LINE
	OHE/T	OVERHEAD ELECTRIC/TELEPHONE
	OHE	OVERHEAD ELECTRIC
		GUYWIRE/STRAIN
	COM	UNDERGROUND COMMUNICATION
		TREELINE/HEDGE
	600	MAJOR CONTOUR
	601	MINOR CONTOUR

10007					STMH 10899	
RIM=639.28					RIM=632.95	
INV=634.53	12"	RCP	NW		INV=625.45	48" RCP SE
BOTTOM=634.53					INV=625.46	48" RCP SW
					TOP OF WATER=629.55	
SSMH 10024					SSMH 10913	
RIM=635.45					RIM=631.61	
INV=621.45	36"	RCP	SW&NE		INV=621.01	24" RCP NW&SE
INV=627.48	12"	PVC	SE			
CB 10025					CBS 10936	
RIM=635.42					RIM=636.30	
INV=633.22	12"	RCP	SE&SW		INV=631.77	12" HDPE S
					BOTTOM=630.89	
SSMH 10085					CBS 10961	
RIM=635.83					RIM=635.12	
INV=622.11	36"	RCP	NE		INV=631.05	12" HDPE SE
INV=623.67	36"	RCP	S		BOTTOM=630.22	
SSMH 10151					STMH 11047	
RIM=633.66					RIM=634.68	
INV=620.42	24"	RCP	NE		COULD NOT OPEN	
INV=620.44	24"	RCP	NW			
CB 10433					STMH 11050	
RIM=635.98					RIM=635.95	
INV=631.63	30"	RCP	SE&SW		INV=627.46	48" RCP W & NE
					TOP OF WATER=629.65	
STMH 10434					FULL OF WATER	
RIM=635.85					SSMH 11053	
INV=632.05	15"	RCP	SE		RIM=636.81	
INV=631.63	18"	RCP	SW		INV=624.25	18" VCP E & W
INV=632.05	12"	RCP	NE			
INV=632.75	6"	CPP	NE		CBS 11058	
SSMH 10548					RIM=635.99	
RIM=633.55					INV=632.17	12" HDPE N
INV=621.02	24"	PVC	SE		BOTTOM=631.09	
INV=621.82	18"	PVC	SW		TOP OF WATER=631.89	
INV=621.92	15"	PVC	NW		SSMH 11121	
SSMH 10561					RIM=634.91	
RIM=633.96					INV=622.83	18" PVC W
INV=622.52	15"	PVC	SE		INV=622.76	18" PVC NE
INV=623.10	12"	VCP	NW DROP		STMH 11127	
INV=629.92	12"	VCP	NW		RIM=635.12	
CB 10710					INV=626.44	58"Hx91"W RCP (RECESSED)
RIM=631.85					INV=626.84	72" RCP W (RECESSED)
INV=629.55	12"	PVC	NW		BOTTOM=626.72	
OPENING=630.38	6"	SE			TOP OF WATER=630.12	
BOTTOM=627.35						
CB 10863					CBS 11129	
RIM=632.18					RIM=633.82	
INV=629.73	18"	HDPE	SE		INV=630.42	12" HDPE SE
OPENING=630.88	6"	NW			BOTTOM=630.42	
OPENING=630.71	6"	SW			SSMH 11340	
BOTTOM=627.68					RIM=639.67	
					COULD NOT OPEN	

SSMH 65026
RIM=639.01
INV=627.65 24" PVC NE
INV=627.92 15" PVC S

STMH 65029
RIM=635.89
CHANNEL FLOWLINE=635.1
INV=632.39 12" RCP N
INV=632.49 12" RCP S

STMH 65056
RIM=647.14
INV=639.89 15" RCP NW
INV=639.89 15" RCP SE
INV=640.56 12" RCP SW
INV=641.09 6" HDPE SE

CI 65082
RIM=646.76
INV=641.86 12" RCP NE
INV=641.86 4" CPP SE
BOTTOM=641.86

SSMH 65450
RIM=636.72
INV=620.0± 42" RCP E
INV=620.4± 36" RCP SW
INV=627.61 24" VCP SW
(PLUGGED)
INV=622.27 15" RCP SW

SSMH 65451
RIM=632.29
INV=620.44 24" RCP E
INV=620.49 24" RCP SW

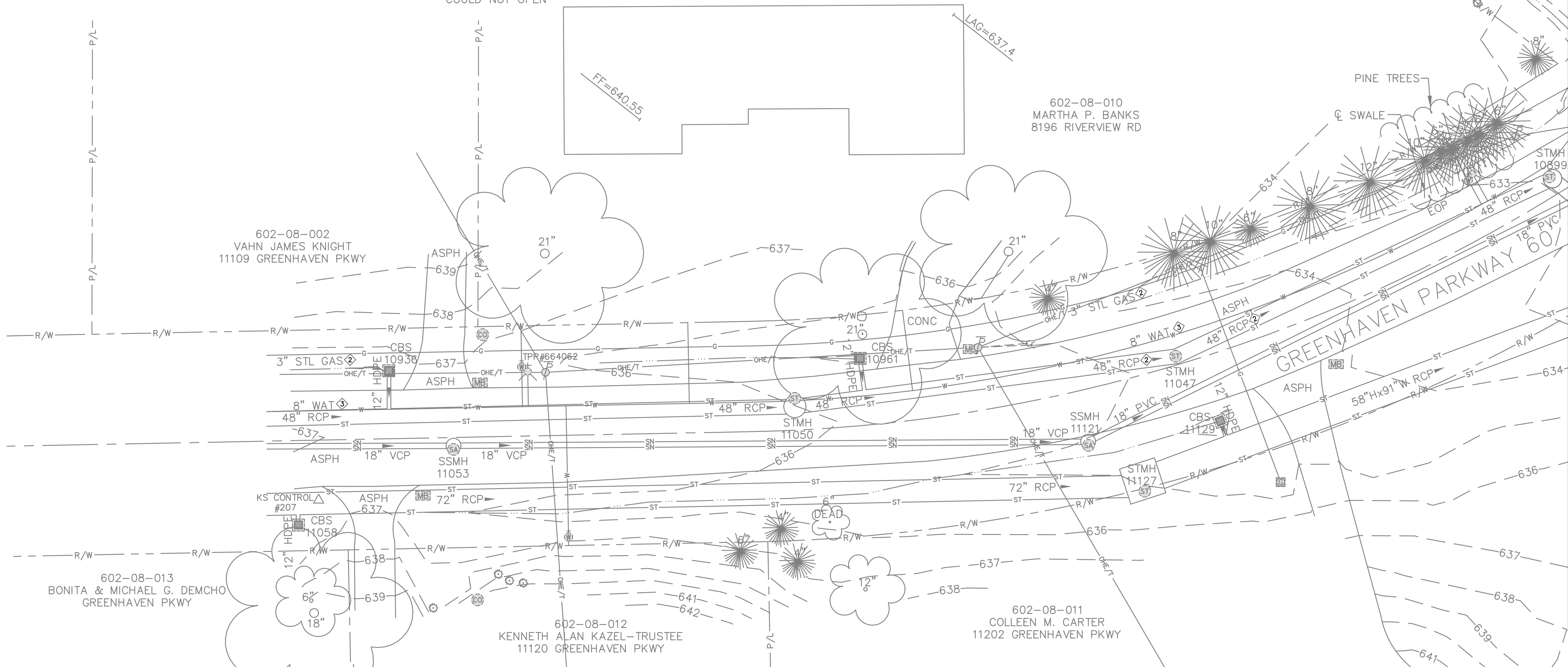
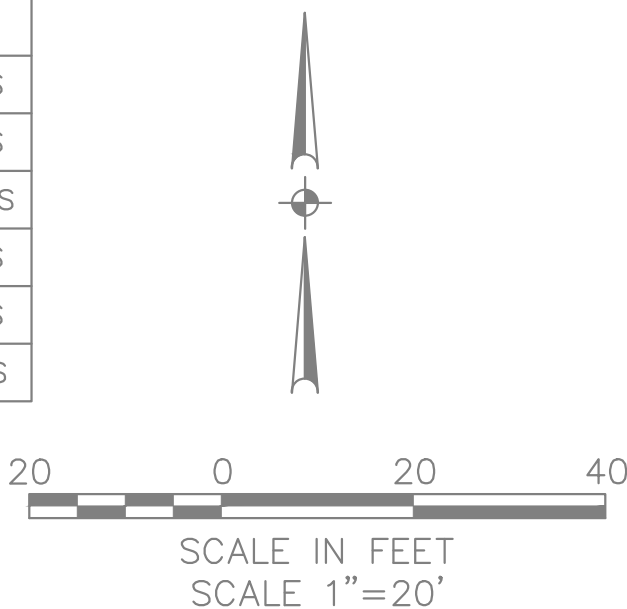
- ① FIELD LOCATED BY KS ASSOCIATES FROM UTILITY MARKINGS.
- ② DOMINION ENERGY OHIO PLANS.
- ③ CLEVELAND WATER PLANS.
- ④ SEWER GIS PLANS.
- ⑤ WOODLAWN ESTATES SUBDIVISION BRECKSVILLE VILLAGE IMPROVEMENT PLANS.
- ⑥ CHARTER COMMUNICATIONS PLANS.

ABAND	ABANDONED
ASPH	ASPHALT
BM	BENCH MARK
CB	CATCH BASIN
CBS	CATCH BASIN SQUARE
CONC	CONCRETE
COND	CONDITIONER
CMP	CORRUGATED METAL PIPE
OPP	CORRUGATED PLASTIC PIPE
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
FF	FINISH FLOOR
FLR	FLOOR
GAR	GARAGE
GRAV	GRAVEL
HDPE	HIGH DENSITY POLYETHYLENE
INVT	INVERT
PVC	POLYVINYL CHLORIDE
RPC	REINFORCED CONCRETE PIPE
SAN	SANITARY PIPELINE
STL	STEEL
SSMH	SANITARY MANHOLE
STMH	STORM MANHOLE
TPP	TELEPHONE POWER POLE
TYP	TYPICAL
VCP	VITRIFIED CLAY PIPE
WAT	WATER MAIN

BM 600:
RAILROAD SPIKE SET IN TELEPHONE/POWER POLE
#316722 AT THE SOUTHEASTERLY CORNER OF
RIVERVIEW AND WIESE ROAD.

BM 601:
MAG NAIL SET IN TELEPHONE/POWER POLE (NO ID)
APPROX. 80 FEET SOUTHEAST OF THE SOUTHEASTERLY
CORNER OF RIVERVIEW ROAD AND GREENHAVEN
PARKWAY.

CONTROL POINT TABLE				
Point #	Northing	Easting	Elevation	Description
200	610168.54	2215066.79	635.01	CNPT IPINS
201	610314.74	2214846.74	633.27	CNPT IPINS
202	610587.29	2214525.40	632.08	CNPT RSPKS
207	610492.90	2214081.69	636.66	CNPT IPINS
11044	610694.33	2214348.88	636.25	CNPT IPINS
65704	610574.57	2214542.73	632.19	CNPT MAGS



MATCH LINE - SEE SHEET 2

[illegible]

DATE: 3-06-2023
 DRAWN BY: FRP, MAC
 CTD BY: TAB
 DWG. NAME: WEGROD, SW, GCS, 3, Streetdrwyg
 PATH: CIVIL_3D 2019
 F.B. 1030, 1046, 1048

KS ASSOCIATES
KS Associates, Inc.
260 Burns Road, Suite 100
Elyria, OH 44035
P 440 365 4730
F 440 365 4790
www.ksassociates.com

NEORS D STORMWATER GES 3
TASK 6 RIVERVIEW ROAD RAISING
TOPOGRAPHIC SURVEY

SHEET
1
OF
4
JOB NO.
20222-EMHT

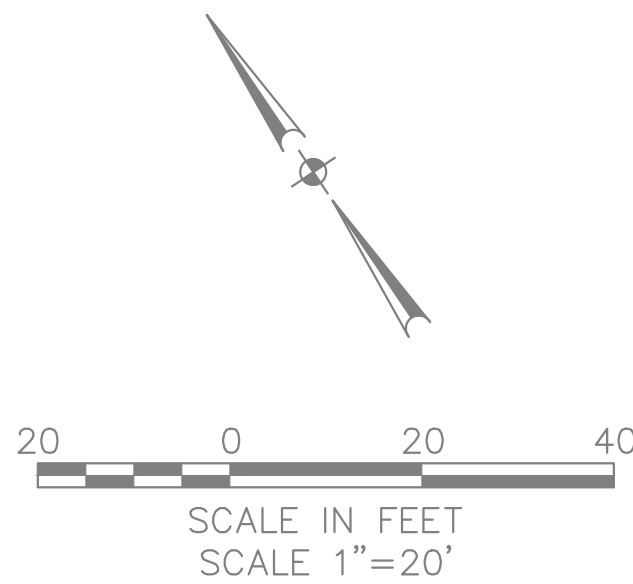


NEORSD STORMWATER GES 3 TASK 6 RIVERVIEW ROAD RAISING TOPOGRAPHIC SURVEY CITY OF BRECKSVILLE, COUNTY OF CUYAHOGA STATE OF OHIO KS KS ASSOCIATES www.ksassociates.com KS Associates, Inc. 260 Burns Road, Suite 100 Elyria, OH 44035 P 440 365 4730 F 440 365 4790	SHEET 2 OF 4	DATE: <u>3-10-2023</u>		REVISIONS		
		DRAWN BY: <u>FRP_MAC</u>				
		CITY BY: <u>TAB</u>				
		DWG. NAME: <u>NEORSD GE 3.3 Brecksville</u>				
		PATH: <u>Civil_3D_2019</u>				
		F.B. <u>1030, 1046, 1048</u>				
				2/21/23		
				ADDED ADDITIONAL TOPO		
				ADDED BUILDING ELEVATIONS		
				7/20/22		
JOB NO. 20222-EMHT		DATE		DESCRIPTION		BY



NEORSD STORMWATER GES 3 TASK 6 RIVERVIEW ROAD RAISING TOPOGRAPHIC SURVEY	SHEET 3	CITY OF BRECKSVILLE, COUNTY OF CUYAHOGA STATE OF OHIO	KS ASSOCIATES www.ksassociates.com F 440 365 4790 P 440 365 4730 Elyria, OH 44035 260 Burns Road, Suite 100 KS Associates, Inc.	DATE: _____ DRAWN BY: FRP_MAC CMT'D BY: TAB DWG. NAME: NEORSR_2B_GES-3_Buckley.dwg PATH: CIVIL_3D_2019 F.B.: 1030, 1046, 1048	REVISIONS	
				DATE	DESCRIPTION	BY
				2/21/23	ADDED ADDITIONAL TOPO	MAG
				7/20/22	ADDED BUILDING ELEVATIONS	TAB

R:\2000\00222-EMHT\Task 6\CIVIL 3D 2019\CURRENT DRAWINGS\BASE DRAWINGS\DWG\NEORSO SW GES 3 Riverview Road.dwg, Plotted: Mar 06, 2023 - 2:07pm



REVISIONS		DATE	DESCRIPTION	BY
DATE: 3-06-2023				
DRAWN BY: PREP_MAC				
CHKD BY: TAB				
DWG. NAME: NEORSO SW GES 3 Riverview Rd				
PATH: CIVIL_3D_2019				
F.B. 1030_1046_1046				
2/21/23		ADDED ADDITIONAL TOPO	MAC	
7/20/22		ADDED BUILDING ELEVATIONS	TAB	

KS Associates, Inc. 260 Burns Road, Suite 100 Elyria, OH 44035 P 440 365 4730 F 440 365 4790 www.ksassociates.com		NEORSO STORMWATER GES 3 TASK 6 RIVERVIEW ROAD RAISING TOPOGRAPHIC SURVEY CITY OF BRECKSVILLE, COUNTY OF CUYAHOGA STATE OF OHIO	
KS ASSOCIATES		SHEET 4 OF 4	
		JOB NO. 20222-EMHT	