

GIS MAPPING

Utility System Mapping

North Vernon, IN

LOCAL PUBLIC AGENCY

City of North Vernon Municipal Utilities
 275 Main St.
 North Vernon, IN 47265

PROJECT COMPLETION DATES

All layers Completed 2006



ThinkGIS Aerial With Utility Layers

Feature 50 of NV Sanitary Manholes layer

OK Cancel

Feature Name MH #AF-11

Line AF

Number 11

Top Casting 740.7200 ELEVATION NOT BY SURVEY (ESTIMATED)

Invert Out 732.3200

Connects To AF-12

Length Out 382

Slope Out (%) 0.7700

Invert In-North 732.3200

Invert In-South 0.0000

Invert In-East 0.0000

Invert In-West 0.0000

Maintenance 05-01-03 Blockage Removed
 07-15-06 Cracks Mortared

ThinkGIS Showing Attributes for a Feature

PROJECT DESCRIPTION

FPBH, Inc. provided the GIS data collection and input for the utility layers including fire hydrants, water valves, water mains, sanitary manholes, sanitary gravity mains, force mains, lift stations, catch basins, curb inlets, & storm manholes. This information was provided to the City of North Vernon Municipal Utilities.

The data was collected using a handheld GPS that produces sub-meter accuracy results when post-processing is used. Using this gives quick and accurate data collection. Information about each feature can also be collected in the field using the handheld.

Once the data has been collected it is transferred to a GIS, in this case using ThinkGIS software which is what the city of North Vernon uses. Above is what a print looks like showing the spatial layer data. At the left are two ways of viewing the attribute information associated with each feature. A number of attributes were collected about each feature (This showing the manhole attributes).

Data that is collected can also be exported to shapefile for use in most all other GIS platforms.

ThinkGIS Index Showing Features for a Layer

Index

Feature Name	Line	Number	Top Casing	Invert Out	Connects To	Length Out	Slope Out (%)	Invert In	Invert In	Invert In	Invert In	Maintenance
MH #AD-88B	AD	88B	740.6000	0.0000	AD-8AA1	0	0.0000	0.0000	0.0000	0.0000	0.0000	
MH #AD-8DD	AD	8DD	747.3000	0.0000	AD-8CC	0	0.0000	0.0000	0.0000	0.0000	0.0000	
MH #AD-9	AD	9	739.6000	0.0000	AD-10	0	0.0000	0.0000	0.0000	0.0000	0.0000	
MH #AD-9A	AD	9A	739.2000	0.0000	AD-9	0	0.0000	0.0000	0.0000	0.0000	0.0000	
MH #AF-1	AF	1	748.0500	742.4500	AF-3	536	-0.2300	0.0000	0.0000	0.0000	742.5500	
MH #AF-10	AF	10	741.0800	732.4800	AF-11	63	-0.2600	732.480	0.0000	0.0000	0.0000	
MH #AF-11	AF	11	740.7200	732.3200	AF-12	382	-0.7700	732.320	0.0000	0.0000	0.0000	05-01-03 Blockage Removed
MH #AF-12	AF	12	737.9100	729.4100	AF-13	335	-0.7400	729.410	0.0000	0.0000	0.0000	
MH #AF-13	AF	13	734.5300	726.8300	AF-13-R/A-9	275	-0.4100	726.930	0.0000	0.0000	0.0000	
MH #AF-13-R	AF	13-R	734.5300	726.5700	AF-14	276	-0.3900	726.770	0.0000	0.0000	0.0000	04-07-00 Blockage Removed
MH #AF-14	AF	14	730.7100	725.2800	AF-15	273	-0.3900	725.480	0.0000	0.0000	0.0000	
MH #AF-15	AF	15	734.6600	724.0100	AF-16	216	-0.3800	724.210	0.0000	0.0000	0.0000	
MH #AF-16	AF	16	730.7000	722.9600	AF-17	146	-0.3900	0.0000	0.0000	0.0000	723.1600	
MH #AF-17	AF	17	728.6200	722.1900	A-11	18	-0.3900	0.0000	0.0000	0.0000	722.3900	
MH #AF-3	AF	3	750.9000	741.2000	AF-4	74	-0.4900	741.200	0.0000	0.0000	0.0000	
MH #AF-4	AF	4	752.3500	740.8500	AF-5	198	-0.2100	0.0000	0.0000	0.0000	740.8500	0.0000
MH #AF-5	AF	5	752.7300	740.3800	AF-6	234	-0.1400	740.430	0.0000	0.0000	0.0000	0.0000
MH #AF-6	AF	6	752.9000	740.0500	AF-7	227	-0.2500	740.050	0.0000	0.0000	0.0000	0.0000
MH #AF-7	AF	7	752.3200	739.4700	AF-8	101	-0.4500	739.470	0.0000	0.0000	0.0000	0.0000

936 Features

Edit text

Layer
 2003 mrsID Photography
 2003 HRRes Photography
 2005 Color Photography
 Topography
 Regional Counties
 Regional Roads
 County
 Townships
 Sections
 Section Corners
 City Boundary
 Water
 TopoLines(24K) MadisonReg
 Topo Lines (Indiana)
 NV Tiff Dist.
 NV City Boundary
 Vernon Wastewater
 North Vernon Utilities
 North Vernon Wastewater
 NV Sanitary Manholes
 NV Lift Stations
 NV Gravity Mains
 NV Force Mains