TOPOGRAPHIC SURVEY

STORM STRUCTURE INVERTS							
	STRUCTURE ID	DESCRIPTION	TOP ELEVATION	FL. IN (PIPE 1)	FL. IN (PIPE 2)	FL. IN (PIPE 3)	FL. IN (PIPE 4)	FL. OUT
	10	4'x6' CURB INLET	838.45					834.05 (S) 15" RCP
	12	4'x6' CURB INLET	839.52	832.17 (N) 15" RCP				831.67 (S) 15" RCP
	14	2.5'x2.5' CURB INLET	836.61	830.21 (NE) 15" RCP				829.91 (S) 18" RCP
	16	2.5'x2.5' CURB INLET	836.87	828.47 (N) 15" RCP				828.42 (SE) 18" RCP
	18	4' DIA CONC MH	835.33	826.28 (NW) 15" RCP	826.23 (E) 18" RCP			826.13 (S) 18" RCP
	20	2.1'x2.1' GRATE INLET	833.56	827.26 (E) 18" RCP				827.21 (W) 18" RCP
	22	2.1'x2.1' GRATE INLET	833.98	827.73 (E) 18" RCP				827.63 (W) 18" RCP
	24	2.1'x2.1' GRATE INLET	834.13					828.93 (W) 18" RCP
	30	2.5'x2.5' CURB INLET	834.36	825.11 (N) 18" RCP				824.91 (S) 18" RCP
	32	2.5'x2.5' CURB INLET	832.76	821.96 (N) 18" RCP	826.06 (E) 8" CLAY			821.86 (S) 18" RCP
	33	2'x2' GRATE INLET	838.17	2.40 (W) 8" PVC				835.22 (S) 8" PVC
	34	3'x3' CONC MH	846.34					843.24 (S) 15" RCP
	35	2.5'x2.5' JUNCTION BOX	838.17	835.02 (N) 15" CMP	835.12 (W) 12" CMP			834.97 (S) 15" RCP
	36	2.5'x2.5' CURB INLET	835.00	829.85 (NW) 8" PVC	829.45 (N) 15" CMP	828.50 (NE) 6 CLAY	828.30 (E) 15 RCP	828.25 (SW) 15" RCP
	37	2'x2' GRATE INLET	844.68					828.94 (W) 15" RCP
	38	5' DIA CONC MH	835.64	823.89 (NE) 15" RCP				823.79 (W) 15" RCP
	40	4' DIA CONC MH	831.32	819.02 (N) 18" RCP	821.92 (E) 15" RCP			818.92 (W) 18" RCP
	42	5' DIA CONC MH	831.09	818.74 (E) 18" RCP				818.69 (S) 21" CMP
	44	4' DIA CONC MH	820.29	809.69 (N) 21" CMP				809.24 (S) 24" CMP
	46	2.5'x2.5' GRATE INLET	819.77	815.92 (E) 15" RCP				815.77 (S) 15" RCP
	48	2.5'X2.5' CURB INLET	821.22					815.92 (W) 15" RCP
	49	2.5x2.5' CURB INLET	818.52	814.18 (E) 15" RCP				814.08 (SW) 15" RCP
	50	4' DIA CONC MH	816.09	806.59 (N) 15" RCP	806.59 (NE) 15" RCP			806.49 (S) 18" RCP
	52	2.5'x2.5' CURB INLET	816.29					808.49 (W) 12" CMP
	54	5' DIA CONC MH	815.35	807.25 (N) 24" CMP				806.95 (W) 24" CMP
	56	2.5'x2.5' CURB INLET	826.67					819.22 (SW) 15" RCP
	57	2.35'x2.35' GRATE INLET	821.87	816.27 (NE) 15" RCP	816.27 (E) 15" RCP			816.17 (W) 15" RCP
	58	2.35'x2.35' GRATE INLET	825.43					819.08 (W) 15" RCP
	59	2.5'x2.5' CURB INLET	830.41					825.21 (SW) 15" RCP
	60	2.5'x2.5' CURB INLET	830.30	823.70 (NE) 15" CMP				823.60 (S) 15" CMP
	61	2.5'x2.5' CURB INLET	827.03	821.13 (N) 15" RCP	822.38 (E) 15" CMP			820.98 (W) 15" CMP
	62	4' DIA CONC MH	811.25	801.45 (E) 24" CMP				801.00 (W) 24" CMP
	63	2.5'x2.5' CURB INLET	811.43	803.88 (E) 12" CMP				803.78 (W) 12" CMP

SANITARY STRUCTURE INVERTS					
STRUCTURE ID	DESCRIPTION	TOP ELEVATION	FL. IN (PIPE 1)	FL. IN (PIPE 2)	FL. OUT
70	4" DIA CONC MH	836.82	828.22 (N) 6" CLAY		826.42 (W) 6" CLAY
71	4" DIA CONC MH	836.17	823.57 (N) 6" CLAY	823.57 (E) 6" CLAY	823.37 (SW) 6" CLAY
72	4" DIA BRICK MH	826.26	818.56 (NE) 6" CLAY		818.46 (S) 6" CLAY
73	4" DIA CONC MH	821.85	814.45 (N) 6" CLAY		814.25 (W) 6" CLAY
74	4" DIA CONC MH	819.20	811.25 (N) 8" CLAY	809.90 (E) 6" CLAY	809.50 (S) 8" CLAY

LEGEND

- Control Point
- Benchmark
- OU — Overhead Utility Line/s
- UE — Underground Electric Line
- Guy Anchor
- Utility Pole w/Light
- Light Pole
- Electric Pedestal
- Electric Meter
- Electric Access Vault
- Electric Access Box (Mounted)
- Electric Manhole
- Air Conditioner Unit
- W — Water Line
- Water Valve
- Fire Hydrant
- Water Meter
- Water Manhole
- Water Vault
- G — Gas Line
- Gas Valve
- Regulator Unit
- Gas Meter
- T — Underground Telephone Line
- Telephone Pedestal
- Telephone Manhole
- x 838.20 Spot Elevation
- L/S Landscaping
- Unknown Manhole
- Tactile Warning
- Power Box
- Telephone Access Vault
- Cable TV Pedestal
- S — Sanitary Sewer Line
- Sanitary Sewer Manhole
- Clean-out
- ST — Storm Sewer Line
- Storm Sewer Manhole
- Grate Inlet
- CMP Corrugated Metal Pipe
- RCP Reinforced Concrete Pipe
- Yard Drain
- Chain Link Fence
- Single Pole Sign
- Metal Guard Rail or Hand Rail
- Concrete or Metal Bollard
- ADA Parking Stall
- Bush
- Deciduous Tree and Size
- Coniferous Tree and Size
- Traffic Control Manhole
- CONC Concrete
- BH Borehole
- FF Finished Floor

GRAPHIC SCALE
0 40 80
1 inch = 40 feet

BENCHMARK — USGS Datum (NAVD 88)

BM1 Set chiseled square at Northwest Corner retaining wall at southwest corner Commissary parking lot. North approximately 35 feet of Northwest corner Armed Forces Bank. Elevation: 820.34

BM2 Set chiseled square at Northwest Corner electric box at Southeast Corner of 4th Street & Iowa Avenue. Elevation: 837.50

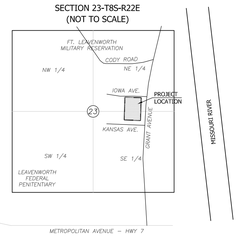
CONTROL POINTS

PNT	NORTHING	EASTING	ELEV.
CP1	380964.102	2182389.268	821.86
CP2	381740.510	2182274.568	837.27
CP3	381575.497	2182858.355	860.42
CP4	381015.746	2182845.448	840.10

Control points determined by Global Positioning System observations and referenced to the Kansas State Plane Coordinate System, North Zone (NAD83).

SECTION MAP

SECTION 23-T8S-R22E
(NOT TO SCALE)



GENERAL NOTES

1. No title commitment provided for this survey. Easements may be present but not shown.
2. Contours are shown at one foot intervals.

FLOOD STATEMENT

The subject property lies within Flood Zone " X " (Areas determined to be outside the 0.2% annual chance floodplain), as shown on the Leavenworth County, Kansas Flood Insurance Rate Map (F.I.R.M.).

Map Number: 20103C0133F
Panel No: 133 of 425
Effective Date: August 18, 2009

NOTE: This statement is provided for informational purposes only and shall in no way constitute a basis for a flood certificate. No field work was performed to establish the boundaries of this zone. The information was derived by scaling the subject property on the above referenced map.

UTILITY NOTES

1. A utility locate request was generated through Kansas One-Call under ticket no. 10336360 on 9/8/10 for this survey. The underground utilities shown hereon are as located along the markings created by this request. They are representational only and are in no way intended to show their exact location, nor is this information to be construed as a complete inventory of all utilities at this location. It is the excavator's responsibility to have any utilities located before digging.
2. Fort Leavenworth AT&T locates:
   Records indicate that we have facilities along the north side of Kansas Ave & facilities that feed the commissary. Locates will be necessary to determine exact location for facilities, we don't retain depths of cables on our records. No map provided due to proprietary policy.
3. Response for utility locates was very poor. Several attempts with phone calls and voice messages left were made in order to get all utility locates. See history page submitted with this survey for attempts made.

UTILITY INFORMATION

American Water / Fort Leavenworth
Kris Kozak
P. O. Box 3214
Fort Leavenworth
Kansas 66027
816-913-758-9272

Leav-Jeff Elec Coop
Justin Graff
PO Box 70
507 N. Union
McLouth, KS 66054
913-796-6111

AT&T
Jackie Van De Berghe
5400 Foxridge Dr.
RM 500
Mission, Kansas 66202
913-676-1383

Time Warner
Mario Escobar
8221 W. 119
Overland Park, Kansas 66213
913-643-1979

Fort Leavenworth School / Facilities
Jim Skelton
Asst. Director of Transportation/Grounds
U.S.D. 207 Fort Leavenworth School District 207 Education Way
Fort Leavenworth, Kansas 66027
913-680-0082

Rev.	Date	Description	Drawn	Checked
2	12/21/2010	Per Surveyor's Mark/WVA, Power, Columns	DLU	
1	12/06/2010	ADDED GAS & WATER LINES; HC RAMP LOCATIONS		

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Client:
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ATTN: ED SNOBLE
300 PARK BLVD. SUITE 250
ITASCA, IL 60143-3145

Project:
TOPOGRAPHIC SURVEY
COMMISSARY IMPROVEMENTS
FT. LEAVENWORTH
LEAVENWORTH COUNTY, KANSAS

Drawn By:	RLA
Project No:	013660
Field Date:	9-23-10
Issue Date:	10-15-10
Sheet:	

1 OF 1

Dec 21, 2010 - 3:43pm Plotted by: donna.uthe I:\2013660\DWG\Survey\013660--points.dwg