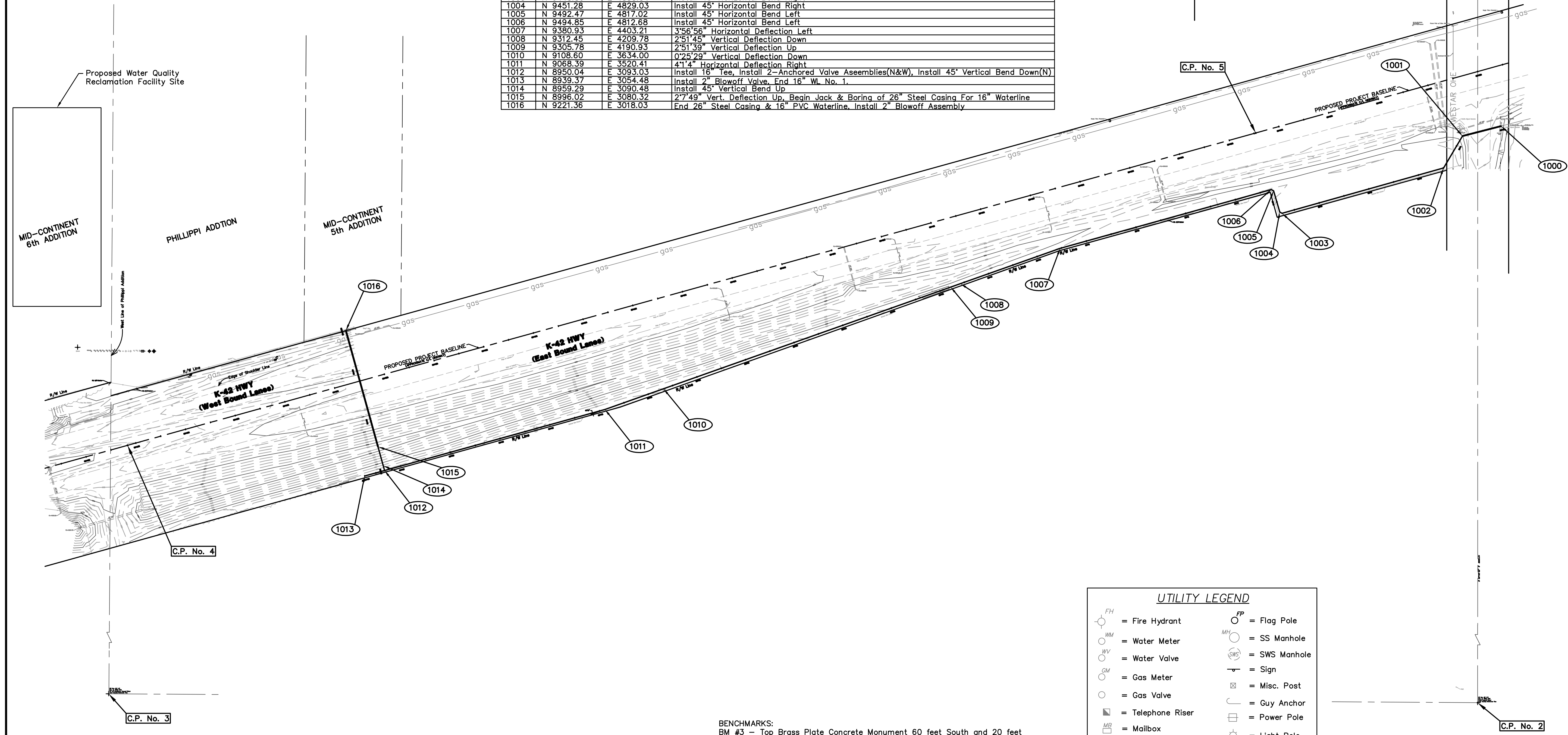
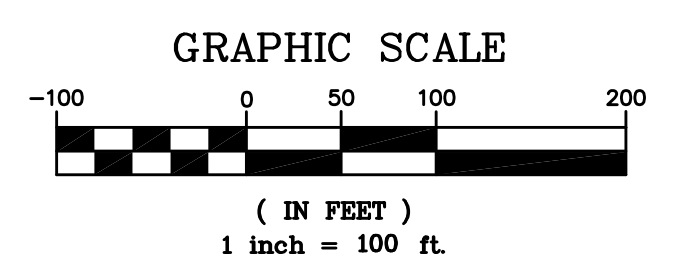
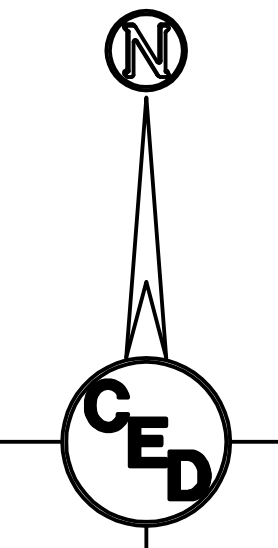


HORIZONTAL CONTROL POINTS				
C.P. 1	N 10088.30	E 5212.75	NE Cor. NE 1/4 Sec. 9, T28S, R1W-3/4" Pipe Found	
C.P. 2	N 7431.76	E 5212.75	SE Cor. NE 1/4 Sec. 9, T28S, R1W-#5 Capped Rebar Found	
C.P. 3	N 7449.10	E 2550.32	SW Cor. NE 1/4, Sec. 9, T28S, R1W-#4 Baughman Capped Rebar Found	
C.P. 4	N 8998.80	E 2594.62	5/8" x 24" Iron Rebar Set w/ Red G.S.S. Cap	
C.P. 5	N 9604.61	E 4782.34	5/8" x 24" Iron Rebar Set w/ Red G.S.S. Cap	

(1000) = STAKING POINT

16" WL STAKING POINTS				
1000	N 9617.98	E 5212.75	Begin 16" WL No. 1, Begin Directional Drilling.	
1001	N 9598.70	E 5183.30	Install 45° Horizontal Bend Left	
1002	N 9536.76	E 5146.71	Install 45° Horizontal Bend Right w/1'14"28" Horiz. Deflection Left	
1003	N 9448.86	E 4833.34	Install 45° Horizontal Bend Right	
1004	N 9451.28	E 4829.03	Install 45° Horizontal Bend Right	
1005	N 9492.47	E 4817.02	Install 45° Horizontal Bend Left	
1006	N 9494.85	E 4812.68	Install 45° Horizontal Bend Left	
1007	N 9380.93	E 4403.21	3'56"56" Horizontal Deflection Left	
1008	N 9312.45	E 4209.78	2'51"45" Vertical Deflection Down	
1009	N 9305.78	E 4190.93	2'51"39" Vertical Deflection Up	
1010	N 9108.60	E 3634.00	0'25"29" Vertical Deflection Down	
1011	N 9068.39	E 3520.41	4'14" Horizontal Deflection Right	
1012	N 8950.04	E 3093.03	Install 16" Tee, Install 2-Anchored Valve Assemblies(N&W), Install 45° Vertical Bend Down(N)	
1013	N 8939.37	E 3054.48	Install 2" Blowoff Valve, End 16" WL No. 1.	
1014	N 8959.29	E 3090.48	Install 45° Vertical Bend Up	
1015	N 8996.02	E 3080.32	2'749" Vert. Deflection Up, Begin Jack & Boring of 26" Steel Casing For 16" Waterline	
1016	N 9221.36	E 3018.03	End 26" Steel Casing & 16" PVC Waterline, Install 2" Blowoff Assembly	



**BENCHMARKS:**  
 BM #3 - Top Brass Plate Concrete Monument 60 feet South and 20 feet East of SW Cor. SE 1/4 Sec. 9, T28S, R1W. Elev.=1302.12

BM #5 - Found Monument on South end West Bannister of Bridge ± 120 feet North of Ridge and McArthur. Taken from KDOT Proj. #628-22-140 (B-426) Garber No. G2006-196. Adj. Elev.=1299.17 Measured Elev.=1299.34

UTILITIES SHOWN REPRESENT THE BEST INFORMATION AVAILABLE FOR DESIGN. ADDITIONAL UTILITIES MAY BE PRESENT ON THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY THE FAILURE TO DO SO.

**SURVEY DISCLAIMER:**  
 TOPOGRAPHIC SURVEY USED IN PREPARING PLANS WAS PROVIDED BY GARBER SURVEYING SERVICE, (620) 665-7032, 423 WEST FIRST AVE., HUTCHINSON, KS. ENGINEER DOES NOT GUARANTEE SURVEY ELEVATIONS FOR ACCURACY. CONTRACTOR SHALL VERIFY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

UTILITY LEGEND	
	= Fire Hydrant
	= Water Meter
	= Water Valve
	= Gas Meter
	= Gas Valve
	= Telephone Riser
	= Mailbox
	= Flag Pole
	= SS Manhole
	= SWS Manhole
	= Sign
	= Misc. Post
	= Guy Anchor
	= Power Pole
	= Light Pole
	= Deciduous Tree or Shrub
	= Existing Fence
	= Right of Way Line
	= Underground Telephone
	= Underground Electric
	= Overhead Electric
	= Water Line
	= Sanitary Sewer
	= Kansas Gas Line
	= Cable TV or Fiber Optic

16" WATERLINE EXT. @ K-42 & RIDGE RD.  
**SITE PLAN**  
 WICHITA, SEDGWICK COUNTY, KS  
 CED PROJ. NO.: 20081669  
**CERTIFIED ENGINEERING DESIGN, P.A.**  
 810 WEST DOUGLAS, SUITE C  
 WICHITA, KANSAS 67203  
 PH.(316)262-8808 FAX.(316)262-1669

DESIGNED: HDF	SCALE: 1"=100'	SHEET 2
DRAWN: JDT	DATE: 06-08	TOTAL 15
CHECKED: HDF	CED FILE: K-42 Waterline	