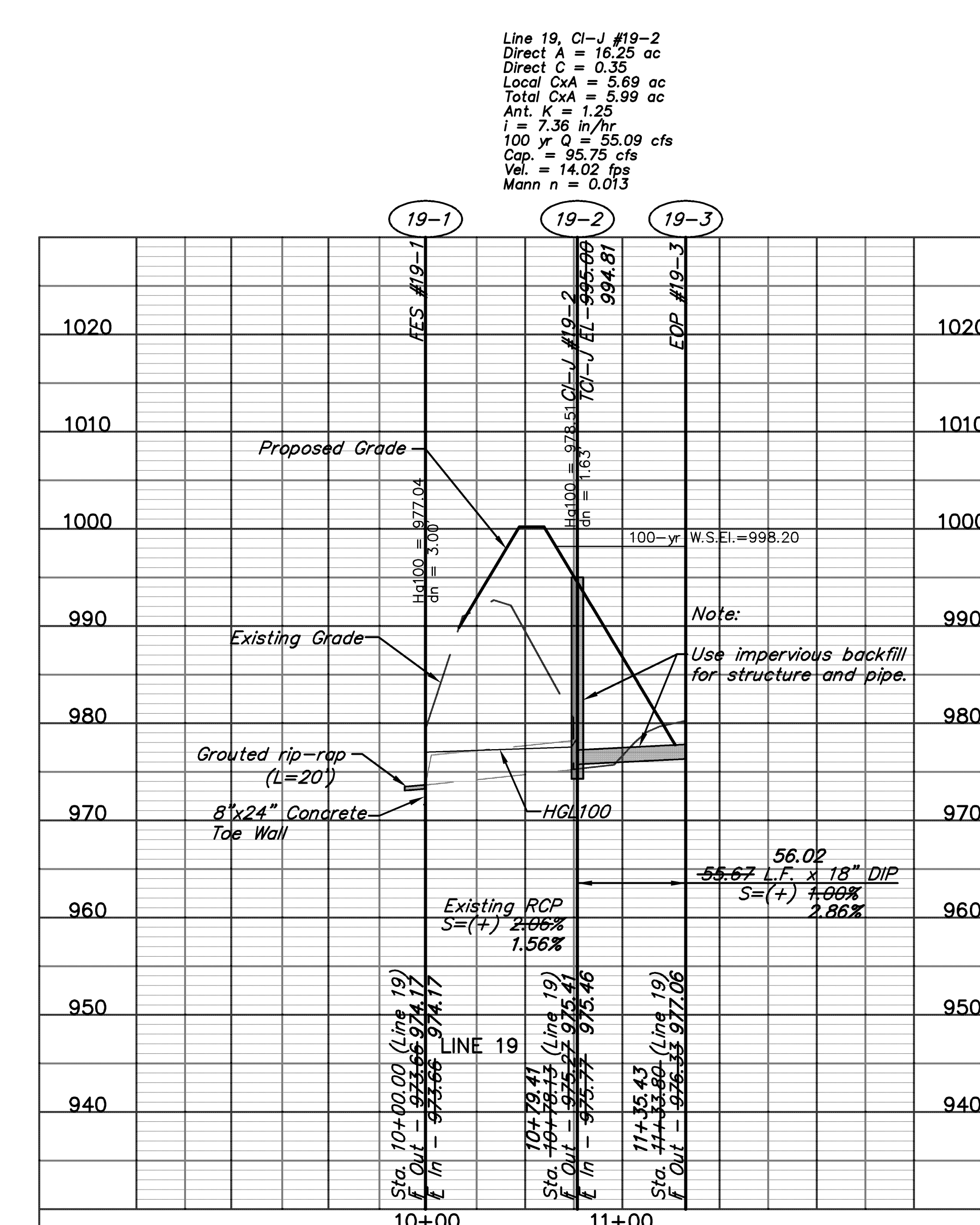
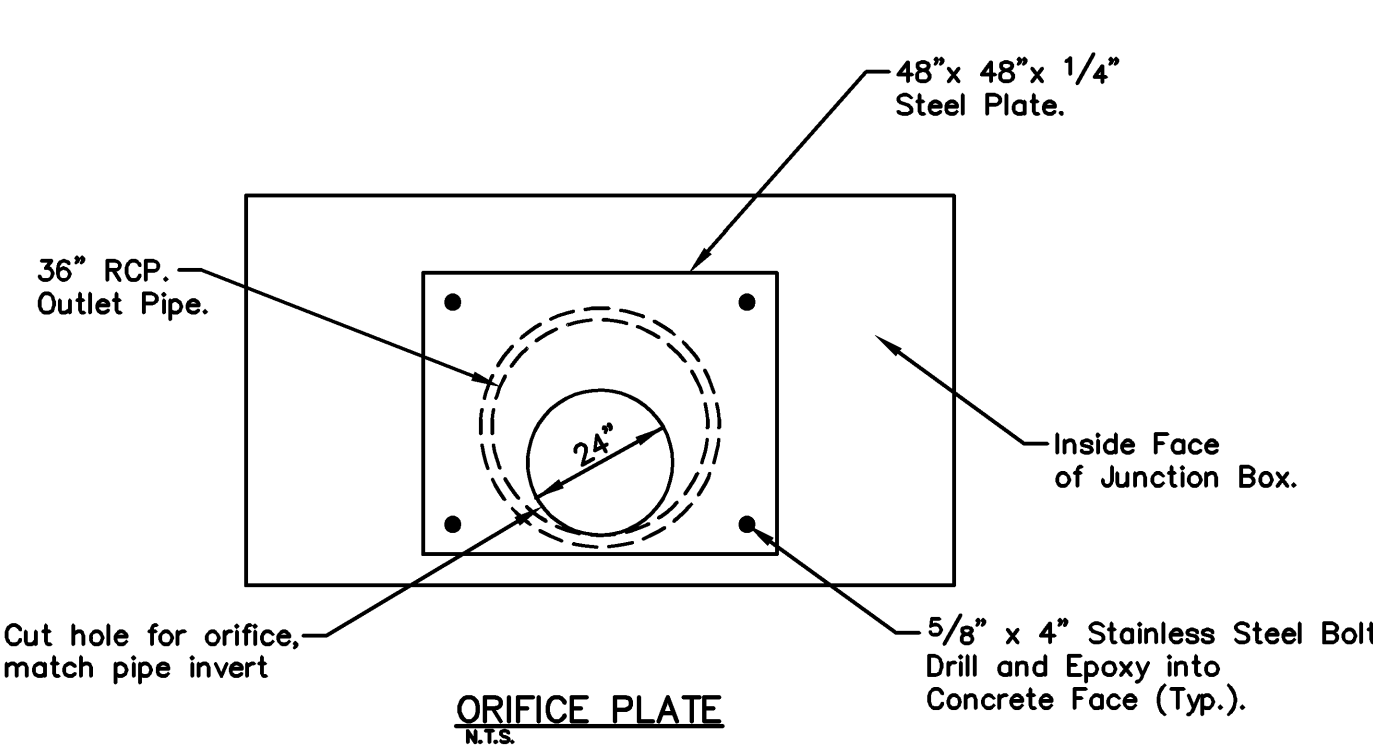


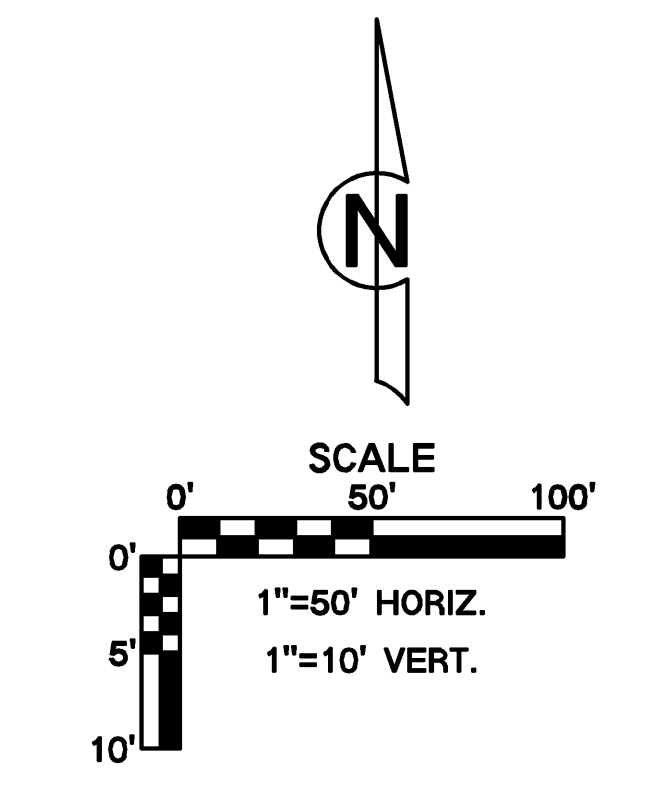
J.B. #19-2, Install 5'x3' (Inside) (Open Top) w/ Trash Rack Anti-Vortex Device, & Hatch. Trash Rack to be Installed per Shawnee Steel & Welding Dwg. No. One (or approved equal) Install 18\"/>

**AS BUILT**  
 Date Surveyed: January 28, 2009  
 Project No.: CR200810791  
 SEC4: 70095943  
 Field Acceptance Date:  
 File No.:

Note:  
 The work shown on this plan reflects the grading that shall be allowed to take place after the Corps of Engineer 404 Permit has been obtained by the Owner.



EARTHWORK QUANTITIES FOR BASIN	
CUT	FILL
142,299 c.y.	45,887 c.y.
DETENTION BASIN DATA	
10-yr W.S.E.=997.19	100-yr W.S.E.=998.21
Q in=482.94 cfs	Q in=704.31 cfs
Q out=53.82 cfs	Q out=55.08 cfs
Vol. Storage=19.714 ac.-ft.	Vol. Storage=30.099 ac.-ft.



Location: N:\Engineering\Richard Gebauer - 07165 & 07166\Drafting\Mass Grading & Land Disturbance\AS-BUILT\084 - 07166.dwg

10-01-07	R.J.S.	Prepared for Review.
11-16-07	R.J.S.	Issued for bid
12-07-07	R.J.S.	Revised Detention Basin D grading
02-09-09	R.J.S.	AS BUILT

**DETENTION BASIN PLAN (post-404 permit)**

**CENTERPOINT-KCS**  
**INTERMODAL CENTER**

STATE OF MISSOURI  
ROBERT J. SUNTA  
E-25751  
PROFESSIONAL ENGINEER

Reviewed By: S.E.C.  
 Designed By: R.J.S.  
 Drafted By: J.W.W.  
 Lutjen Project No.: 07166

**LUTJEN**

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surveying  
 planning  
 engineering  
 landscape architecture

Sheet No.:  
**16**