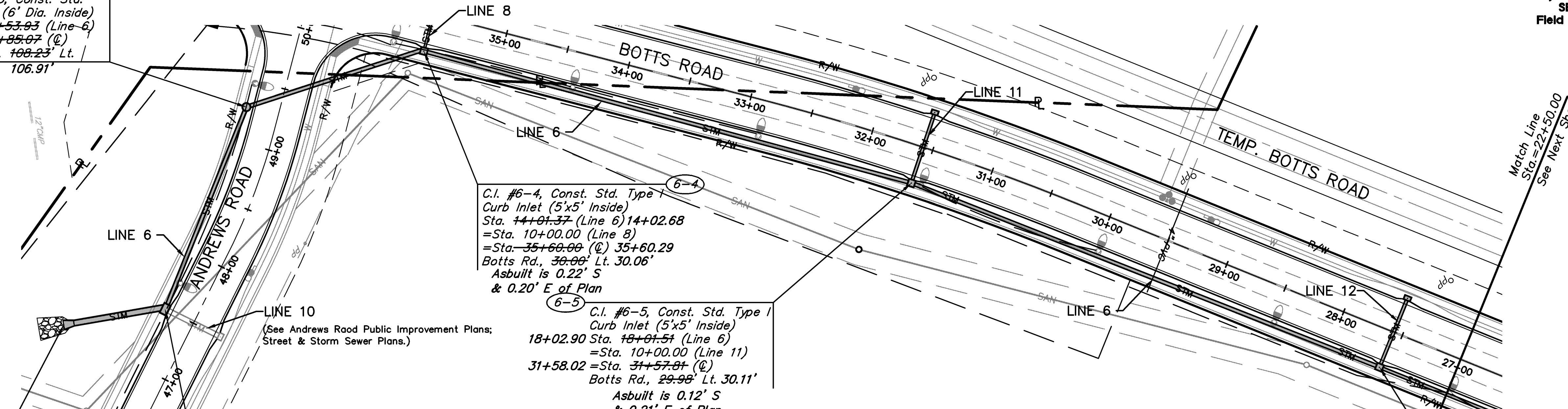


AS BUILT
 Date Surveyed: January 26, 2006
 Project No.: CR200810791
 SEC4: 70087223
 Field Acceptance Date:
 File No.:

Asbuilt is 1.63' S
 & 0.51' W of Plan
 M.H. #6-3, Const. Std.
 Manhole (6' Dia. Inside)
 12+55.21 = Sta. 12+53.93 (Line 6)
 36+86.15 = Sta. 36+85.07 (Q)
 Botts Rd., 108.23' Lt.
 6-3
 106.91'



Asbuilt is 0.30' N
 & 0.31' E of Plan
 6-1
 E.S. #6-1, Const. 48" RCP
 End Section w/ Conc. Toe Wall
 & 36 S.Y. of Grouted Rip-Rap
 (d₅₀=1.25'). See Rip-Rap
 Detail on Sheet 10.
 Sta. 10+00.00 (Line 6)
 =Sta. 47+03.12 (Q) 47+02.72
 Andrews Rd., 91.35' Lt. 91.16'
 =Sta. 37+01.77 (Q) 37+81.61
 Botts Rd., 311.62' Lt. 312.04'

Asbuilt is 0.09' N
 & 0.01' W of Plan
 6-2
 C.I. #6-2, Const. Std. Type I
 Curb Inlet (8'x5' Inside)
 Sta. 10+81.24 (Line 6) 10+81.38
 =Sta. 37+07.12 (Q) 37+07.03
 Botts Rd., 279.45' Lt. 279.48'

C.I. #6-4, Const. Std. Type I
 Curb Inlet (5'x5' Inside)
 Sta. 14+01.37 (Line 6) 14+02.68
 =Sta. 10+00.00 (Line 8)
 =Sta. 35+60.00 (Q) 35+60.29
 Botts Rd., 30.00' Lt. 30.06'
 Asbuilt is 0.22' S
 & 0.20' E of Plan
 6-4

C.I. #6-5, Const. Std. Type I
 Curb Inlet (5'x5' Inside)
 18+02.90 Sta. 18+01.51 (Line 6)
 =Sta. 10+00.00 (Line 11)
 31+58.02 =Sta. 31+57.81 (Q)
 Botts Rd., 29.98' Lt. 30.11'
 Asbuilt is 0.12' S
 & 0.21' E of Plan
 6-5

Asbuilt is 0.15' N
 & 0.14' W of Plan
 6-6
 C.I. #6-6, Const. Std. Type I
 Curb Inlet (5'x5' Inside)
 Sta. 22+00.00 (Line 6) 22+01.82
 =Sta. 10+00.00 (Line 12)
 =Sta. 27+57.23 (Q) 27+57.04
 Botts Rd., 30.00' Lt. 29.93

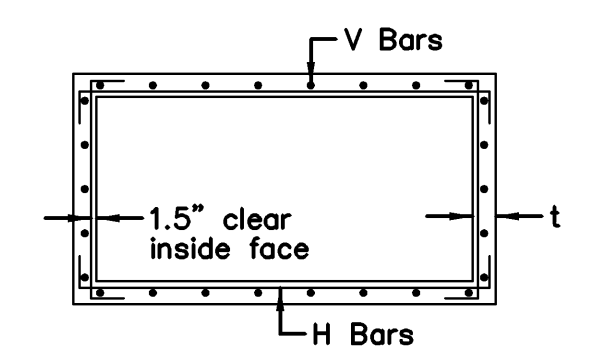
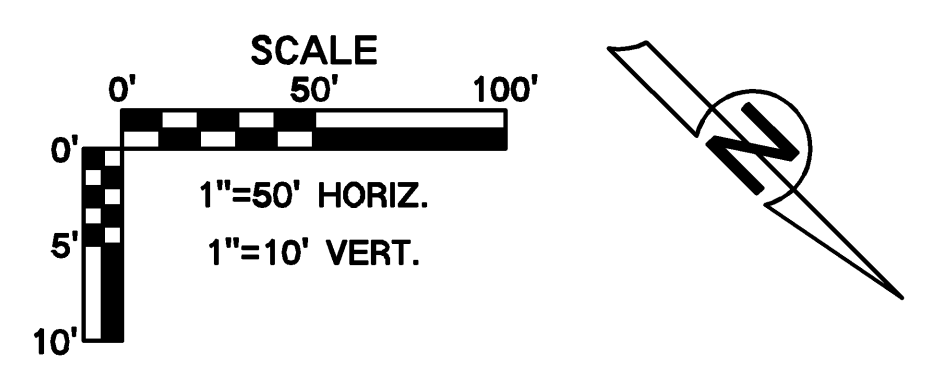
Line 6, CI-J #6-2
 Direct A = 0.39 ac
 Direct C = 0.62
 Local CxA = 0.24 ac
 Total CxA = 15.15 ac
 Ant. K = 1.25
 i = 8.56 in/hr
 100 yr Q = 162.06 cfs
 Cap. = 157.35 cfs
 Vel. = 14.24 fps
 Mann n = 0.013

Line 6, JB #6-3
 Direct A = 0.00 ac
 Direct C = 0.00
 Local CxA = 0.00 ac
 Total CxA = 4.91 ac
 Ant. K = 1.25
 i = 8.61 in/hr
 100 yr Q = 52.80 cfs
 Cap. = 78.90 cfs
 Vel. = 17.22 fps
 Mann n = 0.013

Line 6, CI-J #6-4
 Direct A = 0.35 ac
 Direct C = 0.62
 Local CxA = 0.22 ac
 Total CxA = 4.47 ac
 Ant. K = 1.25
 i = 8.65 in/hr
 100 yr Q = 53.05 cfs
 Cap. = 82.03 cfs
 Vel. = 17.77 fps
 Mann n = 0.013

Line 6, CI-J #6-5
 Direct A = 0.36 ac
 Direct C = 0.62
 Local CxA = 0.22 ac
 Total CxA = 4.47 ac
 Ant. K = 1.25
 i = 8.77 in/hr
 100 yr Q = 49.03 cfs
 Cap. = 82.03 cfs
 Vel. = 17.45 fps
 Mann n = 0.013

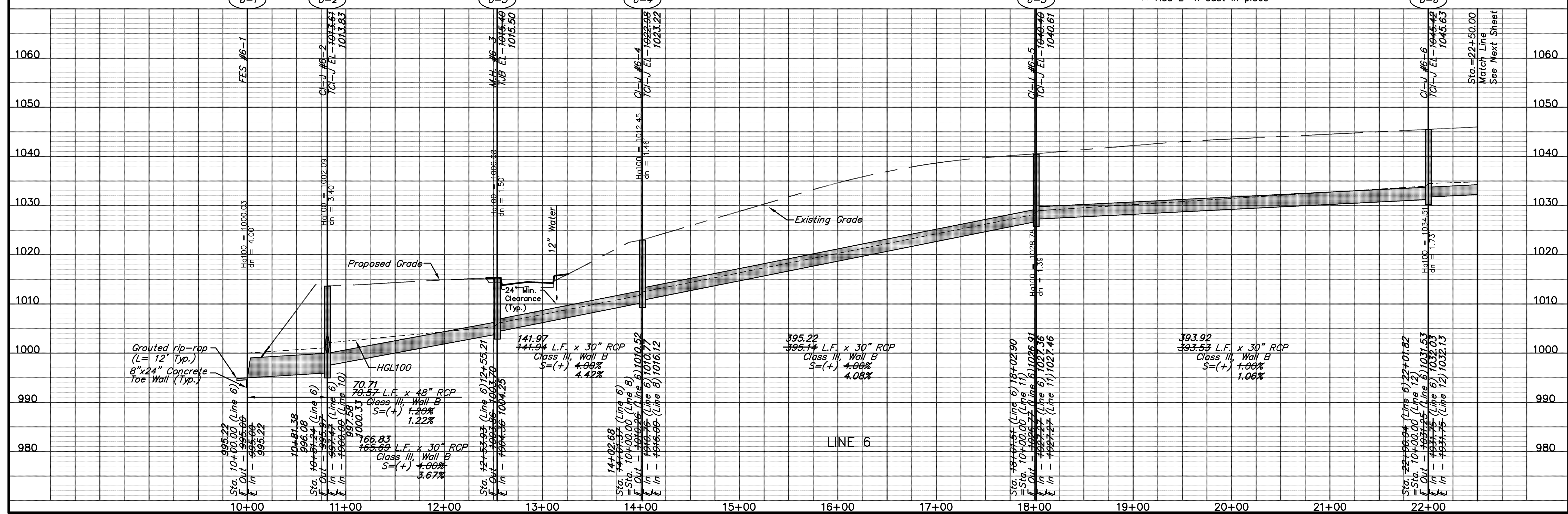
Line 6, CI-J #6-6
 Direct A = 0.36 ac
 Direct C = 0.62
 Local CxA = 0.22 ac
 Total CxA = 3.01 ac
 Ant. K = 1.25
 i = 8.99 in/hr
 100 yr Q = 33.82 cfs
 Cap. = 41.02 cfs
 Vel. = 9.33 fps
 Mann n = 0.013



Structure Section

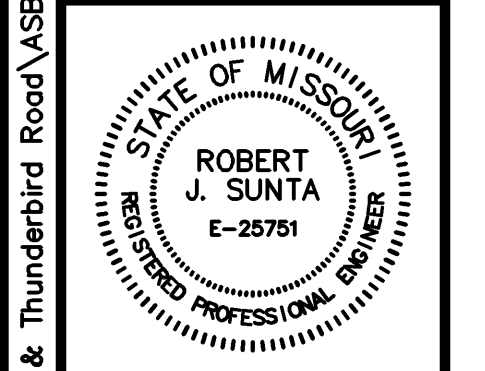
Str.	Wall Reinforcina*	t**
#	V Bars H Bars (in.)	(in.)
6-2	#8 @ 12" #4 @ 12"	8
6-4	#6 @ 12" #4 @ 12"	6
6-5	#6 @ 12" #4 @ 12"	6
6-6	#6 @ 12" #4 @ 12"	6

* For depths greater than 7'
 ** Add 2" if cast in place



DATE	P.E. SIGNATURE	DESCRIPTION
06-07-07		Prepared for Review.
01-25-08	R.J.S.	Revised all horizontal and vertical alignments
02-09-08	R.J.S.	AS BUILT

STORM SEWER PLAN & PROFILE
CENTERPOINT-KCS
INTERMODAL CENTER



Reviewed By: S.E.C.
 Designed By: R.J.S.
 Drafted By: J.W.W.
 Drafting Project No.: 07165

