F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2021-922PT.1-AC	COOK	460	79
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

62693

WELLS STREET AND SOUTHBOUND DAN RYAN RAMPS

SCHEDULE OF DRAINAGE STRUCTURES

SHEET NO.	STR. NO.	STATION	OFFSET	STRUCTURE TYPE MH	CB	INL	CDOT /IDOT	DIA.	FRAME & LID	RIM (FT)	N INVERT (FT)	S INVERT (FT)	E INVERT (FT)	W INVERT (FT)	(OTHER) INVERT (FT)
8	WA01	508+31	5' RT		C		CDOT	2'	TYPE 1, OPEN LID	19.81				14.71	
	WA02	510+60	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	18.63			12.53		
	WA03	508+63	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	19.92			13.82		
	WA04	508+13	78' LT		A		CDOT	4'	TYPE 1, OPEN LID	19.78	13.68				
	WA05	510+80	8' RT		A		CDOT	4'	TYPE 1, OPEN LID	18.91				13.81	
	WA06	511+05	13' LT	B			CDOT	3'	TYPE 1, CLOSED LID	18.48		12.50		12.84	
9	WB03	511+76	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	17.16		13.58			
	WB04	513+74	28' LT			A	CDOT	2'	TYPE 1, OPEN LID	12.12			7.85		
	WB05	514+06	28' LT			A	CDOT	2'	TYPE 1, OPEN LID	11.99	8.99				
	WB06	514+41	28' LT			A	CDOT	2'	TYPE 1, OPEN LID	12.11		9.11			
	WB07	515+99	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	15.96			10.54		
	WB08	9017+75	4' RT		A		IDOT	4'	TYPE 20	16.19	10.19				
	WB09	9016+44	4' RT		A		IDOT	4'	TYPE 20	8.66		2.66	2.46		
	WB10	9016+51	18' LT		A		IDOT	4'	TYPE 20	9.45	4.35				
	WB11	9016+44	18' LT	A			IDOT	4'	TYPE 1, CLOSED LID	9.07		4.20	1.04	2.24	
	WB12	9016+43	40' LT		A		IDOT	4'	TYPE 12	2.62			-1.62	-1.62	
	WB13	9014+82	4' RT		A		IDOT	4'	TYPE 20	2.30			-2.60		
	WB14	9014+66	32' LT		C		IDOT	2'	TYPE 20	1.80		-2.70			
	WB15	9014+71	34' LT	A			IDOT	4'	TYPE 1, CLOSED LID	1.75	-2.76		-3.00	-2.99	
	WB16	9013+85	18' LT		A		IDOT	4'	TYPE 20	1.24			-3.86		
	WB17	9013+83	23' LT		A		IDOT	4'	TYPE 20	1.37	-4.01			-3.91	
	WB18	515+76	18' LT	A			CDOT	3'	TYPE 1, CLOSED LID	15.28	10.25				
10	WC01	9012+95	4' RT		A		IDOT	4	TYPE 20	0.49			-4.40		
	WC02	9012+92	35' LT		A		IDOT	4	TYPE 1, OPEN LID	1.22		-4.79	-4.79	EX INV	
	WC03	9012+00	4' RT		A		IDOT	4'	TYPE 20	0.15				-4.35	
	WC04	9011+15	4' RT	A			IDOT	4'	TYPE 1, CLOSED LID	1.40	-4.86	-4.86	-4.82		
	WC05	9010+20	12' RT	A			IDOT	4'	TYPE 1, CLOSED LID	0.90	-5.42	-5.42	-5.42		
	WC06	9009+32	12' RT	A			IDOT	4'	TYPE 1, CLOSED LID	0.46	-5.95	-5.95	-5.84		
	WC07	9008+36	10' RT	A			IDOT	5'	TYPE 1, CLOSED LID	0.04	-6.52	-6.52	-6.36		
	WC08	518+00	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	18.31			13.21		
	WC09	520+75	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	17.56			12.46		
	WC10	521+55	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	17.71			12.61		
	WC11	9011+15	4' RT		A		IDOT	4'	TYPE 20	-0.16	-4.76				
	WC12	9010+20	6' RT		A		IDOT	4'	TYPE 24	-0.65				-5.35	
	WC13	9009+32	6' RT		A		IDOT	4'	TYPE 24	-1.08				-5.78	
	WC14	9008+37	4' RT		A		IDOT	4'	TYPE 20	-1.50				-6.30	
	WC15	9012+00	10' RT	A			IDOT	4'	TYPE 1, CLOSED LID	1.70	-4.41		-4.41		
11	WD01	9004+15	4' RT		A		IDOT	4'	TYPE 20	4.74			-0.36		
	WD02	9004+15	8' LT	A			IDOT	4'	TYPE 1, CLOSED LID	5.06	-0.48	-0.68		-0.48	
	WD03	9005+70	4' RT		A		IDOT	4'	TYPE 20	-0.71			-5.81		
	WD04	9005+70	18' LT		A		IDOT	4'	TYPE 20	-0.31				-5.41	
	WD05	9005+70	8' LT	A			IDOT	4'	TYPE 1, CLOSED LID	-0.39	-5.93	-5.93	-5.51	-5.93	
	WD06	9006+85	8' LT	A			IDOT	4'	TYPE 1, CLOSED LID	-1.43	-7.03		-7.28		
	WD07	9006+86	27' LT		A		IDOT	4'	TYPE 1, OPEN LID	-1.45		-7.49	-7.29	-7.47	
	WD08	9007+20	4' RT			A	IDOT	2'	TYPE 20	-1.84		-6.64			
	WD09	9007+50	4' RT			A	IDOT	2'	TYPE 20	-1.84	-6.64				
	WD10	9007+35	4' RT		A		IDOT	4'	TYPE 20	-1.86	-6.79	-6.79	-7.04		
	WD11	9007+37	21' LT	A			IDOT	5'	TYPE 1, OPEN LID	-1.40	-7.29	-7.24	-8.04	-7.29	
	WD13	524+15	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	17.41			12.31		
	WD14	524+36	39' LT		A		CDOT	4'	TYPE 1, OPEN LID	17.34	12.24				
	WD15	524+65	40' LT		A		CDOT	4'	TYPE 1, OPEN LID	17.17		12.07			
	WD16	524+86	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	17.33			12.23		
	WD17	9006+15	31' LT		A		IDOT	4'	TYPE 12	-1.32			-6.32		
	WD18	9004+51	37' LT		C		IDOT	2'	TYPE 12	0.03			-4.20		
12	WE01	9002+75	4' RT		A		IDOT	4'	TYPE 20	12.72			7.62		
	WE02	9002+75	18' LT		A		IDOT	4'	TYPE 20	13.12				8.02	
	WE03	527+55	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	18.26			13.16		
	WE04	529+47	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	17.57			12.47		
	WE05	530+85	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	16.91			11.81		
	WE06	9002+75	8' LT	A			IDOT	4'	TYPE 1, CLOSED LID	13.04		7.30	7.92	7.50	
	WE07	530+96	47' RT		A		IDOT	4'	TYPE 12	1.16			-3.14		
	WE08	527+12	54' RT			A	IDOT	2'	TYPE 12	1.85			-5.25		
13	WF01	533+06	49' RT			A	IDOT	2'	TYPE 12	-0.87			-2.64		
	WF02	533+06	59' RT		C		IDOT	4'	TYPE 1, OPEN LID	-0.61			-2.64	-2.64	
	WF03	532+25	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	16.54			11.44		
	WF04	534+88	5' RT		A		CDOT	4'	TYPE 1, OPEN LID	16.44		11.34			
	WF05	535+13	28' LT		A		CDOT	4'	TYPE 1, OPEN LID	16.08		10.98			
	WF06	533+92	5 RT			A	CDOT	2'	TYPE 1, OPEN LID	16.41					12.91 NE
	WF07	534+04	16 RT		A		CDOT	4'	TYPE 1, OPEN LID	16.29				EX INV	12.75 SW

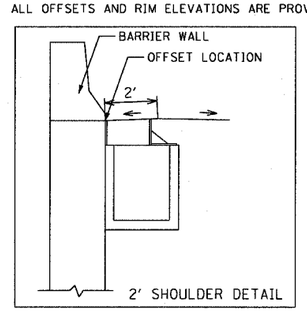
SCHEDULE OF DRAINAGE STRUCTURES

SHEET NO.	STR. NO.	STATION	OFFSET	STRUCTURE TYPE MH	CB	INL	CDOT /IDOT	DIA.	FRAME & LID	RIM (FT)	N INVERT (FT)	S INVERT (FT)	E INVERT (FT)	W INVERT (FT)	(OTHER) INVERT (FT)

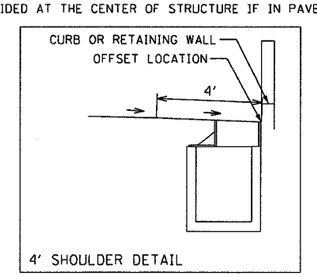
SOUTHBOUND DAN RYAN RAMPS

UNDERDRAIN PIPE LIMITS	OFFSET	PIPE UNDERDRAINS 6" (FT)	OUTLET PIPE REQUIRED (Y/N)	CONNECTING STRUCTURE	PIPE UNDERDRAIN 6" (SPECIAL) (FT)
9001+07 - 9002+75	4' RT	168	Y	WE01	4
9002+75 - 9004+15	4' RT	140	Y	WD01	4
9004+15 - 9005+70	4' RT	155	Y	WD03	4
9005+70 - 9007+20	4' RT	150	Y	WD08	4
9007+23 - 9007+35	4' RT	12	Y	WD10	4
9007+35 - 9007+37	-	25	Y	WD10	4
9007+47 - 9007+35	4' RT	12	Y	WD10	4
9008+17 - 9007+50	4' RT	67	Y	WD09	4
9009+32 - 9008+37	6.5' RT	92	Y	WC14	4
9010+19 - 9009+32	6.5' RT	86	Y	WC13	4
9011+15 - 9010+19	4' RT	93	Y	WC12	4
9012+00 - 9011+15	4' RT	83	Y	WC11	4
9012+94 - 9012+00	4' RT	94	Y	WC03	4
9014+71 - 9013+84	30' LT	86	Y	WB17	4
9014+81 - 9012+95	4' RT	186	Y	WC01	4
9016+43 - 9014+83	4' RT	161	Y	WB13	4
9017+75 - 9016+45	4' RT	130	Y	WB09	4
9018+71 - 9017+77	4' RT	94	Y	WB08	4
527+30 - 527+12	N/A	-	Y	WE08	30
523+48 - 523+49	N/A	-	Y	WD17	13
525+45 - 525+45	N/A	-	Y	WD01	15
522+45 - 522+41	N/A	-	Y	WD08	38
516+58 - 516+66	N/A	-	Y	WC01	38
514+75 - 514+79	N/A	-	Y	WB13	27
513+00 - 513+10	N/A	-	Y	WB10	10
TOTALS		1834			243

NOTE : FRONTAGE ROAD OFFSETS AND RIM ELEVATIONS ARE PROVIDED AT THE EDGE OF PAVEMENT.
RAMP AND TEMPORARY PAVEMENT OFFSETS AND RIM ELEVATIONS ARE PROVIDED AT THE FACE OF CURB, BARRIER WALL, OR RETAINING WALL.
ALL OFFSETS AND RIM ELEVATIONS ARE PROVIDED AT THE CENTER OF STRUCTURE IF IN PAVEMENT.



2' SHOULDER DETAIL



4' SHOULDER DETAIL

ABBREVIATIONS
A = TYPE A
C = TYPE C
CS = COMBINED SEWER
C.O.C. = CITY OF CHICAGO
EX = EXISTING DRAINAGE STRUCTURE
RG = RUBBER GASKET
SS = STORM SEWER
TBF = TRENCH BACKFILL
WMR = WATER MAIN REQUIREMENTS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
63rd ST TO 59th ST (FRONTAGE ROAD & RAMPS)

SCHEDULE OF QUANTITIES
SOUTHBOUND DRAINAGE
STRUCTURES AND PIPE UNDERDRAINS

SCALE: NONE DRAWN BY: JB
DATE: October 29, 2004 CHECKED BY: EEY

CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO ILLINOIS 60601-5212, PHONE: (312) 938-0300

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