

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET	BASELINE	STRUCTURE TYPE		DIA.	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.
				MH	CB							
81	31+00.00	4.07 LT	IL132	A		5	T1F CL	Match Ex.	0	0	0	681.25
82	27+53.91	0.53 LT	IL132	DROP		5	T1F CL	690.52	0	680.4	0	675.4
83	25+14.69	0.63 LT	IL132	A		7	T1F CL	683.23	0	674.82	0	674.32
84	24+45.10	24.38 LT	IL132		A	4	T20 F&G	681.382	0	0	0	675.95
85	23+64.40	22 LT	IL132		A	4	T20 F&G	680.432	0	675.18	675.18	0
86	24+45.04	23.76 RT	IL132		A	4	T20 F&G	681.394	0	0	0	675.95
87	23+64.49	22 RT	IL132		A	4	T20 F&G	680.432	675.18	675.18	0	0
88	23+64.36	0.54 LT	IL132	A		6	T1F CL	680.901	675.03	674.21	675.02	674.21

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN.)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
81	31+00.00	27+53.91	3(17)	30	342	0.25	495.9
82	27+53.91	25+14.69	3	36	235	0.25	430.8
83	25+14.69	23+64.36	2	34X53	144	0.08	161.3
84	24+45.10	23+64.40	2	12	77	1.00	22.3
85	23+64.40	23+64.36	2	12	15	1.00	4.7
86	24+45.04	23+64.49	2	12	77	1.00	22.3
87	23+64.49	23+64.36	2	12	16	1.00	5.1
88	23+64.36	22+38.74	2	34X53	118	0.08	85.4
89	10+51.99	10+49.24	2	12	17	3.50	11.8
90	10+63.57	10+49.24	2	10	19	1.00	5.9
91	4+79.88	4+98.06	2	12	20	1.00	30.9

F.A.P. RTE. 346	SECTION	COUNTY LAKE	TOTAL SHEETS 469	SHEET NO. 116
STA. TO STA.		ILLINOIS		FED. AID PROJ. NO.
FED. ROAD DIST. NO. D-91-404-99		ILLINOIS		FED. AID PROJ. NO.
• 125X-HB-(1&2) R-1				CONTRACT # 60

NOTES:

- (1) INDICATES MANHOLE, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE.
- (2) INDICATES SEWER LATERAL WITH 45° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
- (3) INDICATES SEWER LATERAL WITH 30° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
- (4) INDICATES SEWER LATERAL WITH 60° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
- (5) INDICATES CATCH BASIN TYPE C, SPECIAL.
- (6) INDICATES STRUCTURE WITH FLAT SLAB TOP, IDOT STANDARD 60260L.
- (7) FES: FLARED END SECTION. SIZE NOTED IN SCHEDULE IS GIVEN IN INCHES.
- (8) SEE THE DRAINAGE & UTILITY PLANS FOR LOCATION OF ALL STRUCTURES.
- (9) CATCH BASIN STATIONS ARE MEASURED TO CENTER OF STRUCTURE.
- (10) CATCH BASIN OFFSETS ARE MEASURED TO FLOWLINE OF CASTING. (SEE BELOW)
- (11) FLOWLINE OF CASTING IS LOCATED AT ϕ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.

UNDERDRAIN SCHEDULE

UNDER-DRAIN NUMBER	ALIGNMENT	UNDERDRAIN PIPE LIMITS (STA.)	OFFSET (FT)	PIPE UNDERDRAIN 6" (FT)	CONNECTING STRUCTURE NUMBER	PIPE UNDERDRAIN 6" (SPECIAL) (FT)
11	NB 41	515+50 - 515+50	38 LT - 44 LT	6	HEADWALL 1	12
12	NB 41	517+50 - 517+50	25 LT - 59 LT	34	HEADWALL 2	15
13	NB 41	520+00 - 520+00	78 LT - 10 LT	90	115	89
14	SB 41	523+50 - 523+50	52 RT - 16 LT	67	13	2
15	NB 41	523+50 - 523+50	45 LT - 0 LT	45	13	2
16	NB 41	523+50 - 523+50	45 LT - 82 LT	37	HEADWALL 3	13
21	NB 41	526+85 - 526+85	4 RT - 83 LT	87	220	2
22	NB 41	526+95 - 526+95	4 RT - 83 LT	87	221	2
23	SB 41	526+89 - 526+89	34 RT - 4 LT	38	218	2
24	SB 41	526+99 - 526+99	34 RT - 4 LT	38	219	4
25	RAMP A	107+23 - 107+23	6 RT - 20 LT	26	24	3
26	RAMP A	107+33 - 107+33	6 RT - 20 LT	26	24	4
31	NB 41	539+40 - 539+40	34 LT - 0 LT	34	326	2
32	SB 41	539+40 - 539+40	34 RT - 3 LT	37	331	2
33	NB 41	543+87 - 543+85	50 LT - 13 RT	63	33	2
34	SB 41	543+85 - 543+75	56 RT - 5 LT	61	318	2
35	RAMP C	312+00 - 313+13	6 RT - 5 RT	113	330	2
36	SB 41	546+02 - 546+02	26 RT - 6 LT	32	324	3

UNDERDRAIN SCHEDULE

UNDER-DRAIN NUMBER	ALIGNMENT	UNDERDRAIN PIPE LIMITS (STA.)	OFFSET (FT)	PIPE UNDERDRAIN 6" (FT)	CONNECTING STRUCTURE NUMBER	PIPE UNDERDRAIN 6" (SPECIAL) (FT)
37	SB 41	546+12 - 546+12	26 RT - 6 LT	32	324	5
38	RAMP C	312+65 - 312+65	16 LT - 2 RT	18	323	3
39	RAMP C	312+75 - 312+75	16 LT - 2 RT	18	323	3
310	NB 41	546+87 - 546+87	8 RT - 46 LT	54	328	4
311	NB 41	546+97 - 546+97	8 RT - 46 LT	54	328	4
71	RAMP A	111+25 - 112+40	6 RT - 3 RT	115	743	4
72	RAMP A	111+25 - 112+34	36 LT - 49 LT	110	740	2
73	RAMP B	211+60 - 212+63	5 LT - 6 LT	103	734	4
74	RAMP B	211+60 - 212+65	27 RT - 29 RT	105	737	4
75	RAMP C	301+00 - 302+00	12 RT - 10 RT	100	746	8
76	RAMP C	301+00 - 302+00	55 LT - 28 LT	106	749	9
77	RAMP D	401+00 - 402+00	4 LT - 3 LT	100	755	2
78	RAMP D	400+95 - 402+00	56 RT - 38 RT	107	750	2
79	EB 132	16+90 - 16+90	21 LT - 36 RT	36	719	2
710	EB 132	19+50 - 19+65	23 LT - 36 RT	60	723	2
81	EB 132	23+60 - 23+60	21 LT - 21 RT	42	87	2

EXISTING ABANDONED SEWER/CULVERT SCHEDULE (FILL WITH CLSM)

LOCATION	UPSTREAM STATION	OFFSET	DIA. (IN.)	LENGTH (FT.)	CLSM (CY.)
US NB 41	521+89	17.0 L	12	95	2.8
US NB 41	523+06	16.7 L	12	112	3.3
US NB 41	523+71	16.5 L	12	58	1.7
US NB 41	523+97	16.4 L	12	18	0.5
RAMP A	101+96	1.8 L	12	92	2.7
RAMP A	102+85	4.1 L	12	89	2.6
RAMP A	103+74	10.5 L	12	88	2.6
RAMP A	104+75	23.1 L	12	103	3.0
RAMP A	108+70	47.0 L	12	48	1.4
RAMP A	109+61	51.0 L	12	83	2.4
US NB 41	529+46	6.3 R	10	15	0.3
US NB 41	528+00	7.6 L	18	152	9.9
US NB 41	529+46	11.4 L	12	5	0.1
US NB 41	529+59	7.6 L	18	41	2.7
US NB 41	535+50	1.8 R	12	48	1.4
US NB 41	537+62	3.2 R	12	103	3.0
RAMP D	404+99	21.9 R	12	72	2.1
RAMP D	405+76	17.0 R	12	83	2.4
RAMP C	307+60	33.4 L	12	121	3.5
RAMP C	407+65	12.4 R	12	160	4.7
RAMP C	408+25	1.7 R	15	55	2.5
RAMP C	307+81	25.7 L	15	49	2.2
RAMP D	409+38	10.2 L	8	100	1.3
RAMP C	310+07	21.0 L	12	65	1.9
RAMP C	310+96	20.2 L	12	54	1.6
RAMP C	312+25	19.3 L	12	46	1.3
EB IL 132	8+51	31.4 L	30	107	19.5

SANITARY SEWER SCHEDULE

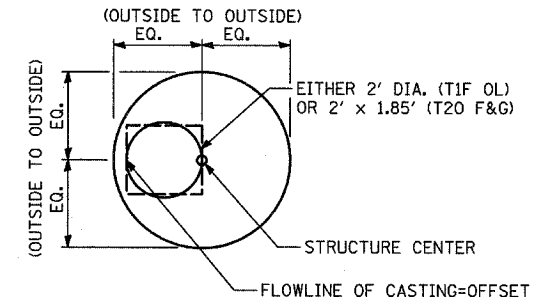
LOCATION	PIPE SIZE (IN.)	AVG. O.D. BELL (IN.)	AVG. O.D. SPIGOT (IN.)	STEEL CASING DIA. (IN.)	STEEL CASING LENGTH (FT.)	SEWER PIPE LENGTH (FT.)
GREENLEAF ST.	12	18.12	14.36	20	20	20
FERDALE ST.	8	12.93	9.70	16	20	20
ESTES ST.	8	12.93	9.70	16	20	20
GREENVIEW ST.	8	12.93	9.70	16	20	20

RESTRICTOR MANHOLE SCHEDULE

STRUCTURE NUMBER	STATION	MANHOLE DIAMETER (FT)	FRAME & GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAM. (IN)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
329	547+02.94	6	T1F CL	2	18	678.31	683.16
330	313+17.00	6	T1F CL	2	12	678.23	681.65
111	101+08.06	6	T1F CL	2	21	691.13	693.50

CONCRETE HEADWALL FOR PIPE DRAINS SCHEDULE

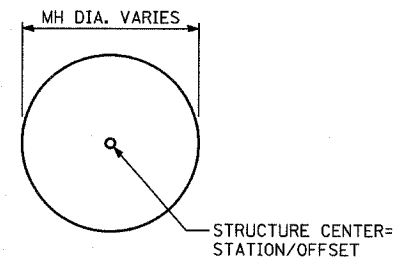
LOCATION	STATION	OFFSET	QUANTITY (EACH)
NB 41	515+50	44 LT	1
NB 41	517+50	59 LT	1
NB 41	523+50	82 LT	1



CATCH BASIN

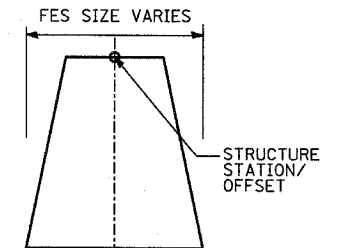
(PRECAST REINFORCED CONCRETE SECTION)

- (12) MANHOLE STATIONS AND OFFSETS ARE MEASURED TO CENTER OF STRUCTURE. (SEE BELOW)



MANHOLE

- (15) FLARED END SECTION AND SLOPED HEADWALL STATIONS AND OFFSETS ARE LOCATED AS SHOWN.



FES

- (16) INDICATES A DRAINAGE STRUCTURE, TYPE I IDOT STANDARD 602101-01.
- (17) PROPOSED STORM SEWER (WATERMAIN REQUIREMENTS) FOR STATED SIZE.
- (18) THE CONTRACTOR SHALL VERIFY THE ELEVATION IN THE FIELD PRIOR TO ORDER OF MATERIAL. THE EXISTING SURVEY (I.E. MEASURE DOWNS) IS NOT AVAILABLE.

REVISIONS	
NAME	DATE
PAW	6/17/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. 41 (SKOKIE HIGHWAY)
 AT IL ROUTE 132
DRAINAGE SCHEDULE
PROPOSED STRUCTURES
PROPOSED STORM SEWERS

SCALE: NONE

DRAWN BY: NSB

DATE: MAY 12, 2008

CHECKED BY: DA