

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	29R-T	McHENRY	88	12
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
JOB D-91-190-01		CONTRACT NO. 62202		

STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III				
FROM STATION, OFFSET (M)	TO STATION, OFFSET (M)	DIAMETER (MM)	LENGTH (M)	REMARKS
0+653.800, 5.810 RT.	0+655.092, 9.430 RT.	375	4.00	②
0+654.294, 5.018 RT.	0+655.414, 6.154 RT.	300	1.40	①
0+656.000, 10.059 RT.	0+676.950, 10.129 RT.	375	21.00	③
0+678.100, 9.805 RT.	0+679.000, 9.200 RT.	375	0.90	④
STORM SEWER (WATER MAIN REQUIREMENTS) TYPE 1				
0+873.680, 10.874 RT.	0+948.725, 13.950 RT.	375	75	⑤

STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV				
FROM STATION, OFFSET (M)	TO STATION, OFFSET (M)	DIAMETER (MM)	LENGTH (M)	REMARKS
0+872.410, 10.356 LT.	0+887.150, 11.691 LT.	300	14.35	⑥
0+888.450, 11.680 LT.	0+948.800, 11.680 LT.	300	60.35	⑦
0+989.417, 10.500 LT.	0+996.671, 7.130 LT.	300	3.70	⑨
0+996.800, 10.000 RT.	0+996.800, 7.043 LT.	300	17.00	⑧
STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III				
0+964.024, 12.079 LT.	0+994.79, 11.17 LT.	750	30.00	⑩

DRAINAGE STRUCTURE SCHEDULE												
STRUCTURE NO.	STATION	OFFSET (M)	MANHOLE	CATCH BASIN	INLET	DIAMETER (M)	FRAME & GRATE	RIM ELEV. (M)	INVERT ELEVATION			REMARKS
									NORTH	SOUTH	EAST	
①	0+655.35	6.29 RT.			TYPE A	0.6	TYPE 24	291.829			290.500 (NE)	
②	0+655.35	10.06 RT.	TYPE A			1.2	TYPE 1 CL	290.805	287.525 (NE)	287.365		
③	0+677.57	10.13 RT.	TYPE A			1.2	TYPE 1 CL	289.215	286.315		286.315 (SE)	
④	0+679.07	8.64 RT.	TYPE A			1.2	TYPE 1 CL	288.965	286.297 (NW)	286.107		
⑤	0+887.69	11.74 LT.	TYPE A			1.2	TYPE 1 CL	283.455	282.615	282.615		PRECAST REINFORCED CONCRETE FLAT SLAB TOP, PIPE OUTLET AT CREEK INV. EL. 281.675
⑥	0+954.41	9.97 RT.					TYPE 24	284.677				FOR DETAILS, SEE CULVERT PLAN
⑦	0+954.41	6.22 LT.					TYPE 24	284.752				FOR DETAILS, SEE CULVERT PLAN
⑧	0+996.77	9.90 RT.			TYPE A	0.6	TYPE 24	283.574			282.846	
⑨	0+994.79	11.17 LT.	TYPE A			1.5	TYPE 1 CL	283.257	281.818	281.818 (SW)		PRECAST REINFORCED CONCRETE FLAT SLAB TOP, PIPE OUTLET AT CREEK INV. EL. 281.728
⑩	0+996.77	7.04 LT.		TYPE A		1.2	TYPE 24	283.631	282.727 (NE)		282.727	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
EXIST. MH								291.875 (EXIST.)		290.472 (SW)	287.725 (W)	

EARTHWORK SCHEDULE								
LOCATION	EARTH EXCAVATION	ROCK EXCAVATION	UNSUITABLE OR UNSUITABLE MATERIAL	EXCAVATION TO BE USE IN EMBANKMENT ADJ. FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL EXCAVATION AND PLACEMENT	TOPSOIL FURNISH AND PLACE
	CUBIC METER	CUBIC METER	CUBIC METER	CUBIC METER	CUBIC METER	CUBIC METER	CUBIC METER	SQ METER
STA. 0+640.60 TO STA. 0+685.00	----	----	----	----	----	----	----	119.0
STA. 0+874.40 TO STA. 0+948.70	----	----	----	----	----	----	----	476.0
STA. 0+964.50 TO STA. 1+027.00	----	----	----	----	----	----	----	471.0
STA. 0+948.66 TO STA. 0+952.59	258.0	----	----	219.3	----	219.3	----	----
STA. 0+952.59 TO STA. 0+960.40	----	----	----	----	----	----	----	----
STA. 0+960.40 TO STA. 0+964.46	266.5	----	----	226.5	----	226.5	----	----
STA. 0+964.46 TO STA. 0+975.00	----	----	----	----	----	----	----	----
STA. 0+975.00 TO STA. 1+000.00	13.9	----	----	11.8	34.1	- 22.3	----	----
STA. 1+000.00 TO STA. 1+017.50	9.7	----	----	8.2	32.0	- 23.8	----	----
STA. 1+017.50 TO STA. 1+026.98	----	----	----	----	4.9	- 4.9	----	----
TOTAL	548.10	----	----	465.8	71.00	394.8	----	1066.0

SHRINKAGE FACTORS:  
 EARTH EXCAVATION = 15%  
 ROCK EXCAVATION = 0%  
 BORROW EXCAVATION = 30%

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 US 14 - MOKELER CREEK TO N. OF  
 IL. 173 AND AT UPRR  
 SCHEDULE OF QUANTITIES,  
 DRAINAGE STRUCTURE AND  
 EARTHWORK SCHEDULES  
 SCALE: NONE DRAWN BY R.A.D.  
 DATE FEBRUARY, 2005 CHECKED BY DR, SSS

SOODAN & ASSOCIATES INC.  
 Architects, Engineers & Construction Consultants