

RIPRAP SCHEDULE

STRUCT. NUMBER	DRAWING NUMBER	ROAD NAME	STATION	OFFSET (FT)		TYPE OF STRUCTURE	OUTLET TYPE	PIPE CULVERT DIA. (INCH)	DESIGN OUTLET VELOCITY 50 YR (FT/S)	DITCH FORESLOPE	DITCH BACKSLOPE	DITCH WIDTH W (FT)	BOTTOM WIDTH AT FES OUTLET W1 (FT)	WIDTH AT OUTLET W2 (FT)	**RIPRAP APRON LENGTH (La)	TAILWATER (MAX. OR MIN.) CONDITION	DESIGN TW DEPTH (FT)	RIPRAP AREA (SQ FT)	***RIPRAP THICKNESS dmax (INCH)	RIPRAP AREA (SQ YD)	**RIPRAP GRADATION	NOTES
				LEFT	RIGHT																	
S201	DU-9	ARSENAL RD	920+88.	-	70.5	PRC FES 2-30"	DITCH	30	7	3.0H:1.0V	3.0H:1.0V	2	7.0	-	26	MAX	1.9	506	19	56.2	RR5	
S202	DU-1	RAMP A	7000+55.	-	21	PRC FES 24"	DITCH	24	5	3.0H:1.0V	3.0H:1.0V	4	-	-	14	MAX	1.5	224	10	24.8	RR3	
S206	DU-9	ARSENAL RD	929+39.	-	64	PRC FES EQRS 27" (34" X 22")	DITCH	34	7	3.0H:1.0V	3.0H:1.0V	2	4.8	-	22	MAX	2.1	448	14	49.8	RR4	
S210	DU-10	ARSENAL RD	933+90.	-	62	PRC FES EQRS 27" (34" X 22")	DITCH	34	7	3.0H:1.0V	3.0H:1.0V	2	4.8	-	22	MAX	2.1	448	14	49.8	RR4	
S219	DU-11	ARSENAL RD	949+84.	-	65	PRC FES EQRS 27" (34" X 22")	DITCH	34	5	3.0H:1.0V	3.0H:1.0V	2	4.8	-	16	MAX	2.1	303	10	33.7	RR3	
S224	DU-11	ARSENAL RD	951+30.	-	65	PRC FES EQRS 27" (34" X 22")	DITCH	34	5	3.0H:1.0V	3.0H:1.0V	2	4.8	-	16	MAX	2.1	326	10	36.2	RR3	
S229	DU-7	E. FRONTAGE RD.	8049+00.	90		PRC FES 15"	DITCH	15	5	3.0H:1.0V	3.0H:1.0V	2	3.3	-	16	MAX	0.9	162	14	18.0	RR4	
S268	DU-13	W. FRONTAGE CONN.	6086+74.	-	146.5	PRC FES EQRS 54" (68" X 43")	FLAT AREA	68	5	-	-	-	17.0	33.7	28	MIN	-	709	19	78.8	RR5	
S278	DU-13	ARSENAL RD	962+00.	-	104	PRC FES 24"	FLAT AREA	24	5	-	-	-	6.0	18.0	16	MIN	-	192	10	21.3	RR3	
S279	DU-13	W. FRONTAGE CONN.	6087+57.	95	-	PRC FES 54"	DITCH	54	9	3.0H:1.0V	3.0H:1.0V	10	6.5	-	26	MAX	3.4	915	19	101.6	RR5	
S287	DU-11	ARSENAL RD	958+00.	77	-	PRC FES 24"	DITCH	24	6	3.0H:1.0V	3.0H:1.0V	2	4.0	-	17	MAX	1.5	254	14	28.3	RR4	
S304	DU-13	W. FRONTAGE CONN.	6087+55.		142.6	PRC FES EQRS 54" (68" X 43")	DITCH	68	5	6.0H:1.0V	4.0H:1.0V	27	27.0	-	26	MAX	4.3	2,172	19	241.3	RR5	
S307	DU-13	W. FRONTAGE CONN.	6087+71.	91.75	-	PRC FES EQRS 54" (68" X 43")	DITCH	68	7	-	-	-	-	-	-	-	-	-	-	-	-	PROVIDED IN STR. S279
S309	DU-11	ARSENAL RD	949+65.	62	-	PRC FES 15"	FLAT AREA	15	5	-	-	-	3.8	15.3	14	MIN	-	133	10	14.8	RR3	
S312	DU-13	ARSENAL RD	967+00.	140	-	PRC FES 48"	DITCH	48	8	3.0H:1.0V	3.0H:1.0V	4	-	-	24	MAX	3.0	671	14	74.5	RR4	
S315	DU-13	ARSENAL RD	967+85.	107	-	PRC FES 12"	DITCH	12	5	3.0H:1.0V	3.0H:1.0V	2	-	-	15	MAX	0.8	120	10	13.3	RR3	
S319	DU-14	ARSENAL RD	972+85.	-	63	PRC FES 12"	FLAT AREA	12	5	-	-	-	3.0	13.0	12	MIN	-	96	10	10.7	RR3	
S324	DU-13	W. FRONTAGE CONN.	6086+73.	78	-	AROUND CATCH BASIN	-	-	-	-	-	-	-	-	-	-	-	150	14	16.7	RR4	
S325	DU-13	W. FRONTAGE CONN.	6087+50.	112.5	-	PRC FES 24"	DITCH	24	6	-	-	-	-	-	-	-	-	-	-	-	-	PROVIDED IN STR. S279
-	DU-12	W. FRONTAGE CONN.	6082+15.	60	-	PAVED DITCH	DITCH	-	5	3.0H:1.0V	3.0H:1.0V	2	-	-	100	-	1	800	10	88.9	RR3	EXTENSION OF PAVED DITCH
-	DU-13	W. FRONTAGE CONN.	6087+00.	-	168	DET. POND 2 OVERFLOW	SPILLWAY	-	-	-	-	-	-	70.0	100	-	-	7,000	19	777.8	RR5	

PAVED DITCH SCHEDULE

SHEET NO.	ROAD NAME	STA.		OFFSET (FT)	LENGTH (FT)	TYPE OF DITCH
		FROM	TO			
DU-12, DU-13	W. FRONTAGE CONNECTOR	6082+15.	6086+71	VARIES	456	PAVED DITCH, TYPE A-15
DU-13	ARSENAL RD.	967+85.	967+00	VARIES	85	PAVED DITCH, TYPE A-15
DU-14	ARSENAL RD.	975+00	977+04	57	204	PAVED DITCH, TYPE A-15

NOTES:

1. RIPRAP SHALL NOT BE PROVIDED WHEN THE SEWER OR CULVERT PIPE OUTLETS ARE IN BEDROCK. EXACT LOCATIONS FOR THE RIPRAP SHALL BE FIELD DETERMINED BASED ON BEDROCK LOCATION.
2. PAVED DITCH SHALL NOT BE PROVIDED AT THE EXPOSED BEDROCK LOCATIONS. EXACT LOCATIONS FOR THE PAVED DITCHES SHALL BE FIELD DETERMINED BASED ON BEDROCK LOCATION.

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FILE NAME = D:\B\F12-SHT-CRAIN:9.dgn	USER NAME = TK\uegel	DESIGNED - VP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIPRAP AND PAVED DITCH SCHEDULE				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - VP	REVISED -		SCALE: NONE	SHEET NO. 19 OF 25 SHEETS	STA.	TO STA.	55	99-2HB-2B-1	WILL	756	185
		CHECKED - CL	REVISED -						CONTRACT NO. 60F12				
		DATE - 2/4/11	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								