

**SUMMARY TABLE OF RUNOFF DITCH PARAMETERS - RUN-ON DRAINAGE CHANNELS**

REACH NUMBER	SLOPE S <sub>c</sub> (ft/ft)	LENGTH (ft)	REACH DIMENSIONS		SIDESLOPES		FINISHING TYPE	STARTING ELEVATION (ft)	ENDING ELEVATION (ft)
			BOTTOM WIDTH (ft)	DEPTH OF CHANNEL (ft)	LEFT (ft/ft)	RIGHT (ft/ft)			
RN1	0.1133	524.7	3.0	2.0	2.0	2.0	RIPRAP	828.00	768.08
RN2	0.0231	452.3	3.0	2.0	2.0	2.0	GRASS	834.00	818.00
RN3	0.0215	571.4	3.0	2.0	2.0	2.0	RIPRAP	818.00	810.00
RN4	0.0227	731.1	3.0	2.0	2.0	2.0	RIPRAP	861.50	808.75
RN5	0.0281	501.7	3.0	2.0	2.0	2.0	RIPRAP	818.12	791.50
RN6	0.0337	947.6	3.0	2.0	2.0	2.0	RIPRAP	861.90	829.92
RN7	0.0368	496.9	3.0	2.0	2.0	2.0	RIPRAP	848.00	829.92
RN8	0.1464	69.9	3.0	2.0	2.0	2.0	RIPRAP	829.12	817.61
RN9	0.0162	953.7	3.0	2.0	2.0	2.0	GRASS	848.00	834.16
RN10	0.0730	892.0	3.0	2.0	2.0	2.0	RIPRAP	838.00	770.00
RN11	0.0550	378.5	3.0	2.0	2.0	2.0	RIPRAP	751.93	766.18
RN12	0.0229	430.0	4.0	5.0	2.0	2.0	RIPRAP	765.33	755.50
RN13	0.0179	246.6	4.0	5.0	2.0	2.0	RIPRAP	770.60	766.18
RN14	0.0155	712.3	4.0	5.0	2.0	2.0	RIPRAP	781.64	770.60
RN15	0.0282	1158.2	6.0	5.0	2.0	2.0	RIPRAP	814.27	781.64
RN16	0.0104	311.5	6.0	5.0	2.0	2.0	RIPRAP	817.50	814.27
RN17	0.0117	416.6	3.0	3.0	2.0	2.0	GRASS	837.50	817.50
RN18	0.0149	392.0	3.0	3.0	2.0	2.0	GRASS	822.26	816.53
RN19	0.0639	301.7	3.0	6.0	2.0	2.0	RIPRAP	816.53	791.59
RN20	0.0660	229.0	3.0	2.0	2.0	2.0	GRASS	751.50	791.12
RN21	0.0231	872.8	3.0	8.0	2.0	2.0	RIPRAP	750.12	770.00
RN22	0.0129	465.1	18.0	3.0	2.0	2.0	GRASS	770.00	764.00
RN23	0.0289	154.8	1.0	2.0	2.0	2.0	RIPRAP	767.38	764.00
RN24	0.0224	91.5	4.0	5.0	2.0	2.0	RIPRAP	751.64	730.59

\* DITCHES TO BE CONSTRUCTED IN THE FUTURE

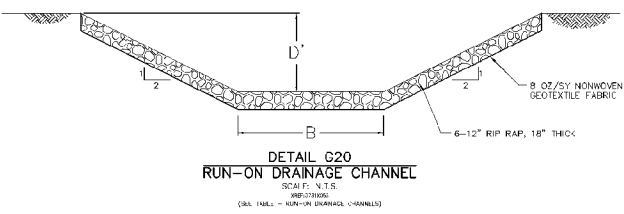
CULVERT ID	Type	DIAMETER (ft)	LENGTH (ft)	STARTING ELEVATION (ft)	ENDING ELEVATION (ft)	SLOPE (ft/ft)
C1	Concrete	(3) x 48"	34.2	759.39	758.31	0.023
C2	Concrete	(1) x 36"	69.8	768.08	767.38	0.016
C3	Concrete	(1) x 36"	69.8	810.00	808.37	0.023
C4	Concrete	(1) x 36"	63.5	808.75	808.12	0.016
C5	Concrete	(1) x 48"	30.0	829.92	829.12	0.016
C6	Concrete	(2) x 48"	30.0	765.18	765.23	0.011
C7	Concrete	(3) x 48"	130.0	755.50	751.64	0.023
C8	Concrete	(3) x 48"	60.0	749.59	748.05	0.023

\* PIPES TO BE INSTALLED IN THE FUTURE

**NOTE:**  
STORM DRAINAGE PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) CONFORMING TO ASTM C76, CLASS II. WALL JOINTS SHALL BE MADE WITH PORTLAND CEMENT MORTAR SRBC, SECTION 905, SUBSECTION 905.02 OR RUBBER GASKETS (ASTM C443).

**LEGEND**

- 780 ——— EXISTING GROUND CONTOUR
- 1791.2 ——— SPOT GROUND ELEVATION
- ==== EXISTING UNPAVED ROAD
- ~~~~~ EXISTING TREELINE
- EXISTING OVERHEAD ELECTRICAL TOWER
- LIMIT OF GYPSUM DISPOSAL AREA
- 8300 ——— FINAL COVER GRADE CONTOUR (FT)
- FINISHED GRADE CONTOUR (FT)
- ~~~~~ BENCH FLOW
- x--- SILT FENCE
- RIPRAP
- PERIMETER ROAD
- C2 --- CULVERT PIPE AND DESIGNATION
- DROP INLET
- HP ——— HIGH POINT ON DRAINAGE DITCH
- PERIMETER DRAINAGE CHANNEL
- RN1 ——— RUN-ON DRAINAGE CHANNEL



R	02/08	JTS	SAH	JTS	HLP	BAK			
INITIAL ISSUE FOR W.O.# KRF 08-500095-000 RD									
REV	DATE	ISSN	SWN	CHG	DRY	PRG	APPD	ISSD	PREP/EF
SCALE: 1"=200' EXCEPT AS NOTED									
YARD									
FGD GYPSUM DISPOSAL FACILITY STORM DRAINAGE PLAN									
DESIGNED BY	DRAWN BY	CHECKED BY	DISCH'D BY	REVIEWED BY	APPROVED BY	ISSUED BY			
J.T. STEIN	S.A. HAMEY	J.T. STEIN							
KINGSTON FOSSIL PLANT TENNESSEE VALLEY AUTHORITY FOSSIL AND HYDRO ENGINEERING									
AUTOCAD R00	REV	02/08	36	c	10W428-20		R	0	