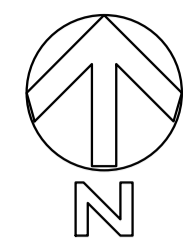


- General Notes**
- 1.) ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED
 - 2.) ALL ELEVATIONS ARE BASED ON ASSUMED ELEVATION OF LOCAL BENCHMARK - "O" IN OPEN - HYDRANT AT 643 SILVERSTONE AVENUE - ELEV. 100.00
 - 3.) CONTRACTOR TO LIMIT OPERATIONS TO MINIMUM FOOTPRINT REQUIRED TO PERFORM THE WORK. ACCESS ROUTES AND MATERIAL STOCKPILE WILL BE AS DETERMINED ONSITE BY THE CONTRACT ADMINISTRATOR.
 - 4.) MULTIFLOW WILL BE INSTALLED WITHIN THE LIMEST INDICATED AND TO THE DESIGN ELEVATIONS AND GRADIENTS SHOWN ON THE DRAWINGS. THE DRAWING ARE SCHEMATIC ONLY AND THE CONTRACT ADMINISTRATOR WILL DETERMINE THE EXACT LOCATION OF PIPE PRIOR TO CONSTRUCTION.
 - 5.) INSPECTION BY THE CONTRACT ADMINISTRATOR IS REQUIRED AT:
 - a.) TRENCH LAYOUT
 - b.) INSTALLATION OF PIPE PRIOR TO BACKFILL
 - c.) AFTER BACKFILL
 - d.) COMPLETION OF WORK
 - 6.) THE CONTACT ADMINISTRATOR IS TO RECEIVE AT LEAST 48 HOURS NOTICE PRIOR TO AN INSPECTION BEING REQUIRED
 - 7.) SPOT ELEVATIONS ARE TO GOVERN OVER CONTOUR ELEVATION
 - 8.) ALL EXCESS MATERIAL CAN BE REUSED ON THE SITE TO FILL IN LOW AREAS. THE CONTRACT ADMINISTRATOR WILL DETERMINE THE EXACT LOCATION TO STOCKPILE EXCESS FILL



LEGEND

	EXISTING GRADE
	PROPOSED GRADE (BOTTOM OF TRENCH)
	PROPOSED MULTIDRAIN PIPE
	MULTIDRAIN PIPE CLEANOUT
	CONTOUR LINES

DRAINAGE DESIGN NOTES

1.)	Design Formula Used - Existing System			
	Q = CDA			
	C = I ^{0.775}			
	I = 2.29			
	A = S.P. Acres			
2.)	Design Flow	CFS = 1.0 C x A	CFS = 1.2 CFS	
3.)	Proposed System			
4.)	Given no change to grades, and given that storm water drains to existing system, invert level to the existing system is recommended.			
5.)	Street connect to existing curb with 150 mm. 900.00			

Drawing Size: A1 - 594 X 841 mm

EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
	WATERMAIN			HYDRO			WATERMAIN	
	HYDRANT			M.T.S.			HYDRANT	
	VALVE			CONCRETE			VALVE	
	LAND DRAINAGE SEWER			ASPHALT			LAND DRAINAGE SEWER	
	WASTE WATER SEWER			PROPERTY LINE			WASTE WATER SEWER	
	MANHOLE			SURVEY BAR			MANHOLE	
	CATCH BASIN			CURB STOP			CATCH BASIN	
	CURB INLET			C.B. LEAD			CURB INLET	
	GAS			SIDEWALK			GAS	
	ELEVATIONS			SIDEWALK RAMP			ELEVATIONS	

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. / U/G STRUCTURES COMMITTEE DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV. "O" in Open - Hydrant at 643 Silverstone 100.00

THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BELOW.

THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND OTHER DATA ON SITE AND REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR.

FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.

DESIGNED BY	J.F.	CHECKED BY	J.K.	RELEASED FOR CONSTRUCTION
DRAWN BY	J.F.	APPROVED BY	J.K.	MANAGER, PARKS AND OPEN SPACE
HORI. SCALE	1:500	DATE		
VERT. SCALE	1:500	DIRECTOR OF PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT		
DATE	March, 2007			

ENGINEER'S / LANDSCAPE ARCHITECT'S SEAL

Winnipeg

THE CITY OF WINNIPEG
Planning, Property and Development Department
Planning and Land Use Division
Unit 15 - 30 Fort Street, Winnipeg, Manitoba R3C 4X5

DRAWING TITLE
**Richmond Kings C.C. Athletic Fields
Drainage Improvements
Site Layout**

CAD DRAWING NO.
SHEET 1 OF 2
DRAWING NO.
R.35-D-R1