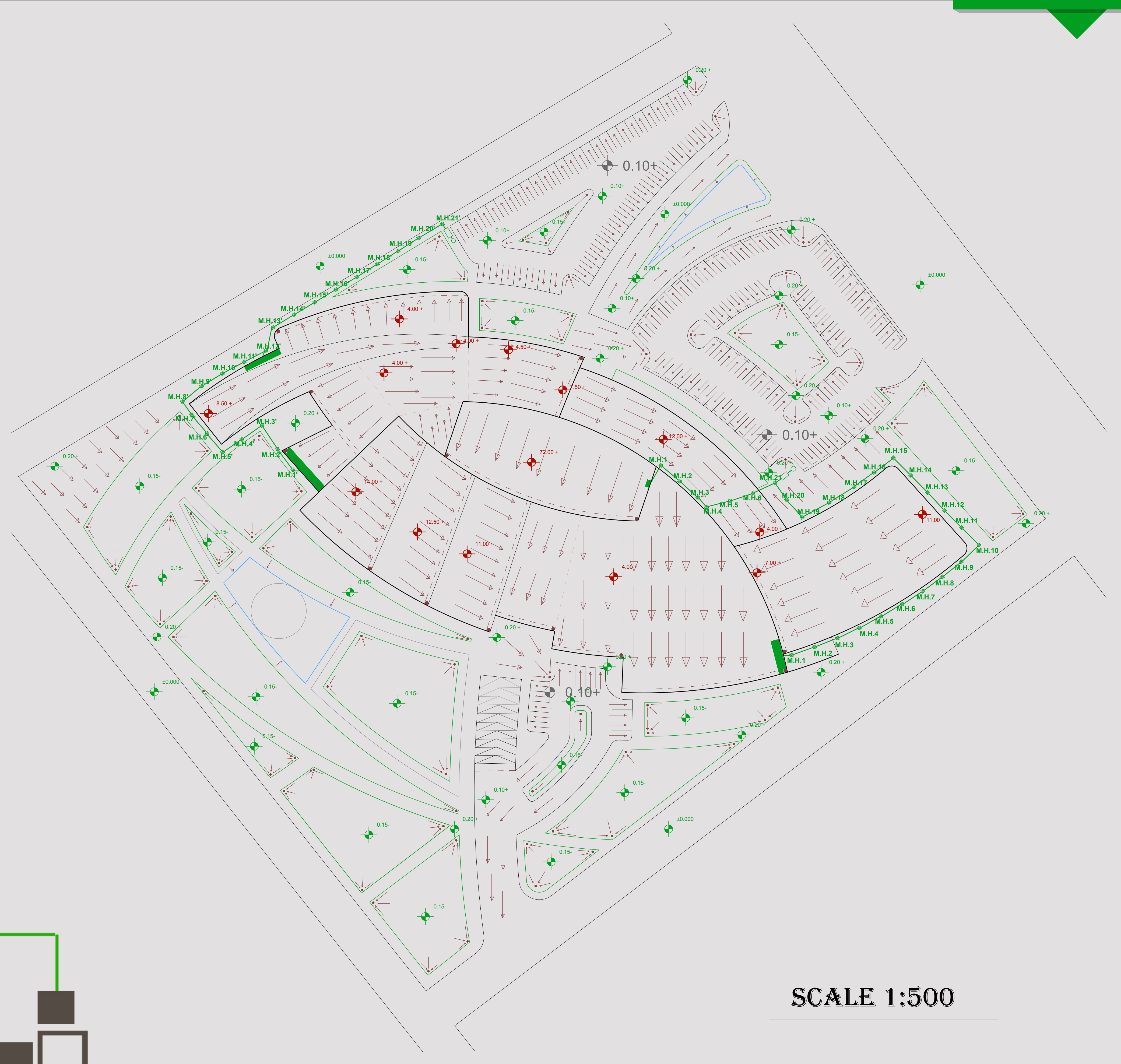
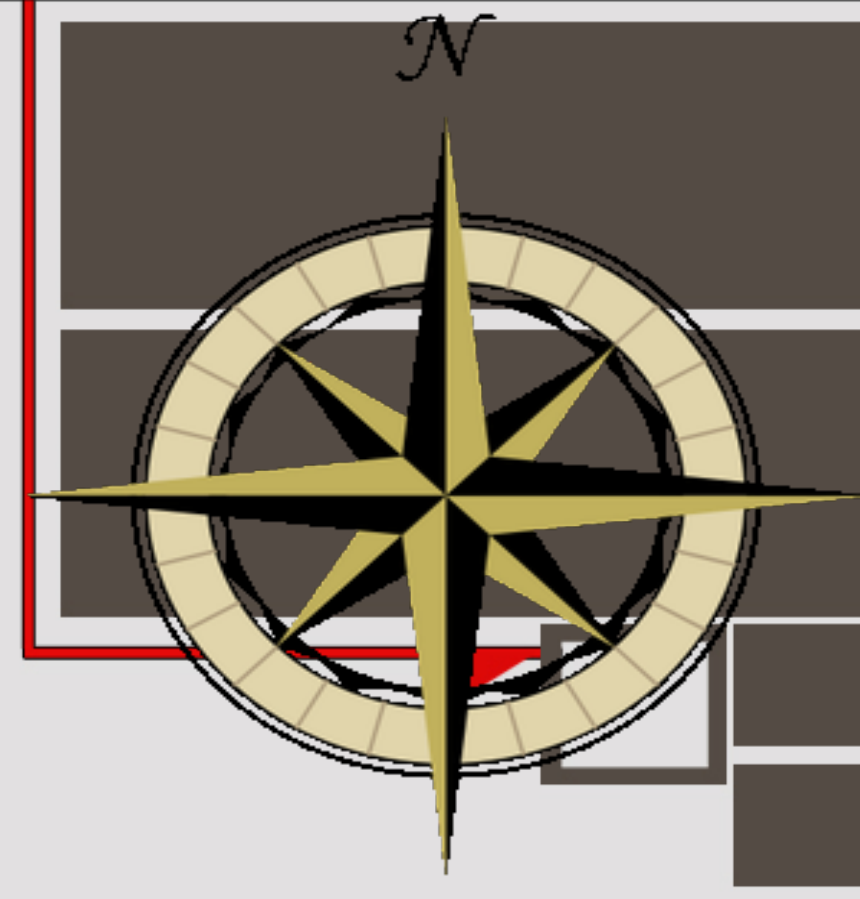


SEWAGE & SURFACE DRAINING



ALL DIMENSIONS IN METER UNITS
SEWAGE SYSTEM
 - ALL 6" PIPES SLOPE IS 1:80 .
 - ALL 4" PIPES SLOPE IS 1:40 .
DRAINAGE SYSTEM
 - ROOF SLOPE IS 1:20 .
 - ALL DOWN PIPES ARE 4" P.V.C PIPES @ 3M C/C .
 - USE DOWN PIPES TO IRRIGATE LAWNS

MANHOLES SCHEDULE

M.H. NO.	SIZE	DEPTH	M.H. NO.	SIZE	DEPTH
1	0.45	0.45	11	1.05	1.95
2	0.60	0.60	12	1.05	2.10
3	0.75	0.75	13	1.05	2.25
4	0.80	0.90	14	1.05	2.40
5	0.80	1.05	15	1.20	2.55
6	0.80	1.20	16	1.20	2.70
7	0.90	1.35	17	1.20	2.85
8	0.90	1.50	18	1.20	3.00
9	0.90	1.65	19	1.35	3.15
10	0.90	1.80	20	1.35	3.30

	MANAHOLE
	PIPE
	DOWN PIPE
	DRAINAGE SLOP

SUST
COLLEGE OF ARCHITECTURE
KHARTOUM STOCK EXCHANGE
& INVESTMENT CENTER
5TH YEAR
DESIGNED BY : RUAA
ABDULRAZIK

SCALE 1:500

SUDAN UNIVERCITY
FOR SIENCE & TECH

COLLEGE OF
ENGINEERING
DEPARTMENT OF
ARCHITECTURE
FIFTH YEAR

COLLEGE
 ENGINEERING& ARCH.
DEPARTMENT
 ARCHITECTURE
STUDENT
 RUAA ABDULRAZIK
SUPERVISOR
 DR. NAJAT ALBARODI

PROJECT TYPE
 INVESTMENTAL BUILDINGS

PROJECT NAME
 Exchange & Investment
 Center