Basic Guide of Sewerage Layout Plan Submission in Digital Format

1. INTRODUCTION

· Basic guidelines on preparing developments layout plans in digital format using AutoCAD software or others compatible CAD software where can converted to DXF format.

2. OBJECTIVE

· The objective is to establish feature codes on digital layout plan with proper format in layering name, element, color and object type by using CAD software. This digital layout plan will then be use for the Catchments Planning Strategies and Geographical Information System (GIS) and day to day Operation & Maintenance and billing purposes etc.

3. BASIC REQUIREMENT OF SOFTWARE OR FILES

3.1 Software to prepare digital layout plan.

· AutoCAD (Release 14 or latest version or others CAD software with DXF format facility)

3.1 Backup or storage media to deliver)

· Diskette 1.44 MB (size 3.5") or Iomega Zip disk 100 MB or Compact Disk (CD)

3.3 Scale unit for layout plan Metric

4. DETAILS OF DIGITAL LAYOUT PLAN

· Lots boundary for layout plans shall be based on Certified Plan (CP) and also shall be comply to the survey ordinance (can be obtained from Survey Department).

· Benchmark shall be accordance with the Cadastral Map sheet in Cassini coordinate system (in metre).

· Boundary measurement shall be in metre (Refer Drawing).

Technical requirements of layout plan depend on the type on development (Application for <u>one</u> proposed element).

5.1	NO	LAYERS NAME	ELEMENT	COLORS	TYPE OF OBJECT
	1	0	-	-	-
	2	Base map	Boundary lines	Black	Polyline
	3	Benchmark	Boundary lines	Red	Polyline
	4	Layout	Proposed lot lines	Black	Polyline
	5	Road	Road reserve	Yellow	Polyline
	6	Water	River/water course	Blue	Polyline
	7	Text	Text	Flexible	Text
	8	Frame	Directional	Black	Text and others
	9	Building line	Building line	Flexible	Polyline
	10	Sewer line	Sewer line	Blue	Polyline
	11	Manhole	Manhole	Black	Circle

(Application for <u>more than</u> one proposed element.)

5.2	NO	LAYERS NAME	ELEMENT	COLORS	TYPE OF OBJECT
	1	0	-	-	-
	2	Base map	Boundary lines	Black	Polyline
	3	Boundary	Boundary lines	Rred	Polyline
	4	Layout	Proposed lot lines Residential Commercial Industrial Institutional Open space Agricultural Forest Topography Reserve area	Flexible	Polyline
	5	Road	Road reserve	Yellow	Polyline
	6	Water course	River/stream/pond	Blue	Polyline
	7	Text	Any text use	Flexible	Text
	8	Forest	Directional (inclusive of lines and text)	Black	Text
	9	Sewer line	Sewer line	Blue	Polyline

| 10 | Manhole | Manhole | Black | Circle |

6.1 **SUBMISSION**

- Two (2) copies in Diskette or Zip disk or CD shall be forwarded during the submission of design approval stage or after completion of the development(as-built drawing).

<u>Drawing</u>

North (y)

West,Nort
(-ve, +ve)

East,
(+ve, +ve)

West (-x) ——————————————————— East (x)

West, South
(-ve, -ve)

East,
(+ve, -ve)

South (-y)

68 º 33" 00"   70 º 25" 00"

40.38m   90.70m   61
.3
0
m

11 75
0   .6
5" 8
30 m
"

15
7
25
00
"

247 º 04" 00"   247º 04" 00"

87.50m

45.94

Bench mark   Boundary line

S = 24268.0
E = 58508.7

East and South Coordinate system converted to x, y

x= 58508.7
y = 24268.0