

PIPE CHART															
PIPE NO.	A (ACRES)	Σ A (ACRES)	C	Q10 (C.F.S.)	Σ Q10 (C.F.S.)	Q100 (C.F.S.)	LENGTH (FEET)	SIZE (INCHES)	SLOPE (%)	V (F.P.S.)	Tc (MIN.)	I10 (IN/HR)	I100 (IN/HR)	Q FULL (C.F.S.)	V FULL (F.P.S.)
1	0.64	20.18	0.56	1.78	56.05	76.85	87	36	7.70	24.38	12.13	4.96	6.80	200.39	28.35
2	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
3	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
4	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
5	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
6	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
7	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
8	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
9	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
10	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
11	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
12	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
13	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX
14**	X.XX	X.XX	X.XX					XX	X.XX	XX.XX	BASIN OUTLET	X.XX	X.XX	XX.XX	XX.XX
15**	X.XX	X.XX	X.XX					XX	X.XX	XX.XX	BASIN OUTLET	X.XX	X.XX	XX.XX	XX.XX
16**	X.XX	X.XX	X.XX					XX	X.XX	XX.XX	BASIN OUTLET	X.XX	X.XX	XX.XX	XX.XX
17**	X.XX	X.XX	X.XX					XX x XX	X.XX	XX.XX	BASIN OUTLET	X.XX	X.XX	XX.XX	XX.XX
18**	X.XX	X.XX	X.XX					XX x XX	X.XX	XX.XX	BASIN OUTLET	X.XX	X.XX	XX.XX	XX.XX
19	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	XX	X.XX	XX.XX	XX.XX	X.XX	X.XX	XX.XX	XX.XX

\* 6000 PSI CONCRETE PIPE  
 \*\* SEE DETENTION BASIN REPORT

**GENERAL NOTES**

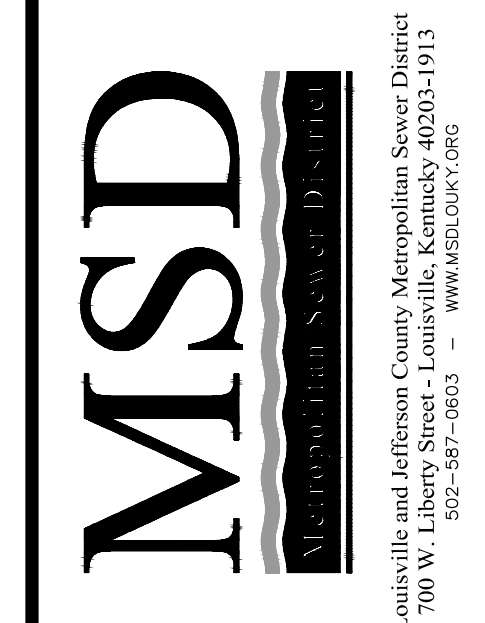
ALL SANITARY SEWER AND DRAINAGE EASEMENTS ARE 15' WIDE UNLESS OTHERWISE NOTED.

**LEGEND**

- BENCH MARK
- EXISTING CONTOUR
- EXISTING TREE MASS
- EXISTING SINKHOLE
- EXISTING FENCE
- EXISTING WATER LINE W/ SIZE
- EXISTING GAS W/ SIZE
- EXISTING OVERHEAD ELECTRIC
- EXISTING CATCH BASIN & YARD DRAIN W/ PIPE
- EXISTING TOP OF BANK
- EXISTING TOE OF SLOPE/DITCH
- EXISTING SANITARY MANHOLE W/PIPE
- EXISTING 4" PROPERTY SERVICE CONNECTION
- PROPOSED CATCH BASIN & YARD DRAIN
- PROPOSED DOUBLE CATCH BASIN
- PROPOSED SLOPED & FLARED HEADWALL W/PIPE
- PROPOSED DITCH/SWALE
- PROPOSED PAVED DITCH/SWALE
- PROPOSED SANITARY MANHOLE W/ PIPE
- PROPOSED FLOW ARROW
- BUILDING LIMIT
- GAS, ELECTRIC, & TELECOM EASEMENT
- SANITARY SEWER & DRAINAGE EASEMENT
- PROPOSED DRAINAGE AREA
- PROPOSED PIPE NUMBER
- PROPOSED LOT NUMBER

Signature \_\_\_\_\_ Date \_\_\_\_\_  
 RECORD DWGS: XXX XX/XX/XX  
 CHECKED BY: XXX XX/XX/XX  
 DESIGNED BY: XXX XX/XX/XX  
 DRAWN BY: XXX XX/XX/XX  
 FILE NAME: EXH4-11\_CompositeDrainage.dwg  
 PLOT DATE: 9/23/2010

PLANS PREPARED AND SUBMITTED BY:



NO.	REVISION	DATE
XXX	XXX	XX/XX/XX
XXX	XXX	XX/XX/XX
XXX	XXX	XX/XX/XX
XXX	XXX	XX/XX/XX
XXX	XXX	XX/XX/XX
XXX	XXX	XX/XX/XX
XXX	XXX	XX/XX/XX

SHEET TITLE: SAMPLE COMPOSITE DRAINAGE PLAN SHEET

PROJECT TITLE: MSD STANDARDS DESIGN MANUAL, EFFECTIVE 08/09 REVISED 08/10

BUDGET I.D. XXXXXX  
 CONTRACT NO. XXXXXX  
 RECORD NO. XXXXXX

DRAWING NO: EXH4-11