

STORM DRAIN STRUCTURES

STRUCTURE No.	TYPE	INLET ELEVATION	OUTLET ELEVATION	LENGTH	DIAMETER	INLET TO STRUCTURE	OUTLET FROM STRUCTURE	BL. PASS	OTHER STRUCTURE
051	MANHOLE	329.26	329.26	2.00	18"	15° 40'S 120'	15° 40'S 120'	0	5'
052	MANHOLE	332.50	332.50	2.00	18"	15° 40'S 120'	15° 40'S 120'	0	5'
053	MANHOLE	332.50	332.50	2.00	18"	15° 40'S 120'	15° 40'S 120'	0	5'
054	MANHOLE	326.77	326.77	2.00	18"	15° 40'S 120'	15° 40'S 120'	0	5'
055	MANHOLE	326.77	326.77	2.00	18"	15° 40'S 120'	15° 40'S 120'	0	5'
056	MANHOLE	332.00	332.00	2.00	18"	15° 40'S 120'	15° 40'S 120'	0	5'
057	MANHOLE	333.00	333.00	2.00	18"	15° 40'S 120'	15° 40'S 120'	0	5'
058	MANHOLE	333.00	333.00	2.00	18"	15° 40'S 120'	15° 40'S 120'	0	5'

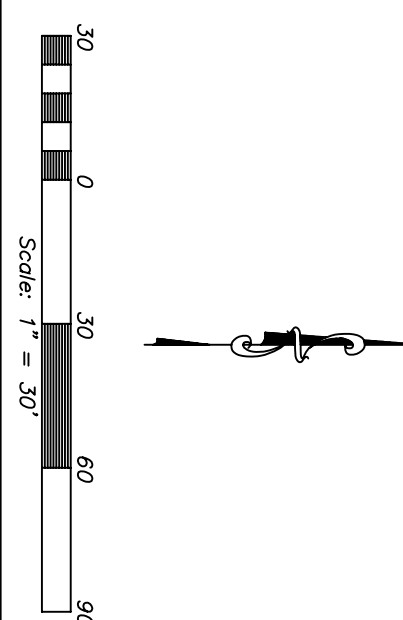
NOTE: CONVERT EXISTING HEADWALL TO 3x3 INLET. ALL TOPS & THROATS TO BE FIELD VERIFIED.

STORM DRAIN PIPE SCHEDULE

FROM STRUCTURE No.	TO STRUCTURE No.	PIPE LENGTH	DIAMETER	DEPTH	VELOCITY	ADDS	COMMENTS
051	052	328.50	15" AOS	48"	3.13	8.15	12.09
052	053	328.50	15" AOS	48"	3.13	8.15	12.09
053	054	328.50	15" AOS	48"	3.13	8.15	12.09
054	055	326.77	15" AOS	48"	3.13	8.15	12.09
055	056	326.77	15" AOS	48"	3.13	8.15	12.09
056	057	332.00	15" AOS	48"	3.13	8.15	12.09
057	058	333.00	15" AOS	48"	3.13	8.15	12.09

NOTE TO ALL CONTRACTORS:
 THIS SITE HAS BEEN DESIGNED TO ACCOMMODATE GRADING AND DRAINAGE. SANITARY SEWER HANDICAP ACCESSIBILITY, EROSION CONTROL, ETC. CONTRACTOR AND/OR SUBCONTRACTOR SHALL NOT MODIFY, REUSE OR FIELD ADJUST ANY PART OF THESE PLANS AND/OR ANY CONSTRUCTION LAYOUT FIELD WORK DONE BY CHASSEMI AND ASSOCIATES WITHOUT WRITTEN CONSENT. REVISING, OMITTING OR ADJUSTING ANY PART OF THESE PLANS AND/OR CONSTRUCTION LAYOUT FIELD WORK WILL VOID ALL WARRANTIES FROM CHASSEMI AND ASSOCIATES AND CONTRACTOR AND/OR SUBCONTRACTOR WILL BE DIRECTLY RESPONSIBLE FOR ANY ALL DAMAGES CAUSED BY SUCH MODIFICATION. IF YOU HAVE ANY QUESTIONS, PLEASE CALL CHASSEMI AND ASSOCIATES @ 901-452-7100.

CALL BEFORE YOU DIG
 1-800-351-1111



THE WINDMILL PLANNED DEVELOPMENT

ITEM NO.	DESCRIPTION OF CHANGES	APPROVAL DATE

ENGINEER: CHASSEMI & ASSOCIATES
 DEVELOPER: TRIMARK, L.L.C.

DIVISION OF ENGINEERING
 SHEET 1 OF 1
GRADING AND DRAINAGE PLAN
 SHELBY COUNTY, TENNESSEE
 DRAWN BY: MCHASSEMI, P.E., N.E.S. DATE: FEB. 2002
 DESIGN BY: MCHASSEMI, P.E., N.E.S. DATE: JUNE, 2002
REVIEWED
 COUNTY ENGINEER DATE CITY ENGINEER DATE

DESCRIPTION	10-YEAR STORAGE	300-YEAR STORAGE
0' PEAK INFLOW	5.39 (CFS)	7.57 (CFS)
0' PEAK OUTFLOW	3.82 (CFS)	7.57 (CFS)
PEAK ELEVATION	324.40 (FT)	326.03 (FT)
STORAGE	0.007 (AC-FT)	0.016 (AC-FT)
ALLOWABLE OUTFLOW	3.85 (CFS)	5.35 (CFS)
TOTAL AREA TO POND = 4.38 ACRES	BOTTOM OF RETENTION POND = 322.50	TOP OF DETENTION POND = 328.00
DOMESTIC RESTRICTION: EXISTING 15" RCP @ 1.50 X		

BENCHMARK:
 CITY OF MEMPHIS BENCHMARK No. 217
 LOCATED ON THE SW COR 2' BEHIND CURB
 AT THE ON FOREST HILL SIDE, BAZEMORE
 ROAD TO THE WEST. EL. = 351.58

