

STORM SEWER NOTES

1. DEPTHS TO HYDRAULIC GRADE FOR THE 15 YEAR EVENT ARE ACCEPTABLE. THE OFFSITE STORM SEWER SYSTEM HAS ADEQUATE CAPACITY.
2. STORM WATER FLOW, AS DETERMINED BY DRAINAGE AREA MAP, DOES NOT EXCEED 1 CFS THROUGH INTERSECTIONS.
3. AT LEAST 1% SLOPE IS PROVIDED FOR PIPES LESS THAN 36", WHERE PRACTICAL.
4. MINIMUM VELOCITY OF FLOW EXCEEDS 3 FPS FOR PIPES GREATER THAN 36", WHERE PRACTICAL.
5. CULVERT MEETS CITY OF O'FALLON REQUIREMENTS FOR FREEBOARD ABOVE HIGH WATER ELEVATION. (CHECK FOR INLET AND OUTLET CONTROL).
6. 36" OF COVER FOR STORM SYSTEMS, WHERE PRACTICAL.
7. PIPES WHEN CROSSING PAVEMENT ARE AT RIGHT ANGLES WITH STREET PAVEMENT. OFFSETS OF UP TO 15" MAY BE APPROVED.
8. RUNS AND CONNECTIONS UNDER STREET PAVEMENT ARE LIMITED AS MUCH AS POSSIBLE.
9. PLACEMENT OF SEWER LINE SHALL BE A MINIMUM OF 10' FROM FRONT BUILDING LINE.
10. 0.20" DROP THROUGH ALL STRUCTURES AND MANHOLES.
11. FOR DROP STRUCTURES, COMPACTED ROCK BACKFILL IS REQUIRED IN THE DISTURBED GROUND AROUND THE STRUCTURE.
12. PROVIDE GRANULAR FILL AROUND STORM SEWER LINES WITH TRENCHES WITHIN 10' OF THE EDGE OF PAVEMENT CURB AND IN THE 1-TO-1 SHEAR PLANE OF THE ROAD.
13. THIS SITE SHALL BE IN COMPLIANCE WITH PHASE II ILLICIT STORM WATER DISCHARGE GUIDELINES PER ORDINANCE 5082. STORMTECH ISOLATION ROW PROVIDES WATER QUALITY TREATMENT.
14. ALL STORM SEWERS ON SITE ARE PRIVATE.
15. SIGHT DISTANCE MEASURED 3' ABOVE PAVEMENT. OBJECTS GREATER THAN 2 FEET IN HEIGHT ABOVE BACK OF CURB AT THE INTERSECTION ARE PROHIBITED.

REVISION NOTE:

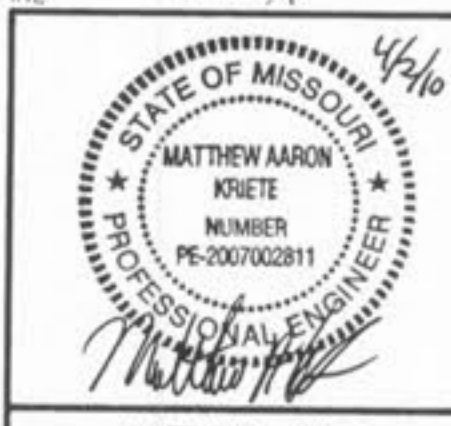
1. NDB 15, 24, 26, 30, 43, 55, 60 REVISED TO 10" NID
2. ADDED STUB TO C238
3. CHANGED STORM SEWER AROUND COMMUNITY BUILDING
4. ALIGNMENT OF STORM SEWER ON EAST SIDE OF WOODCLAWN AVENUE
5. CHANGED FROM EX. INLET TO C1 86
6. FL OF FES 68 CHANGED TO 585.0
7. ADDED SIGHT DISTANCE TRIANGLE & NOTE 15

PLANNING & DEVELOPMENT #1804.08 APPROVED AUGUST 6, 2009

GRADING & DRAINAGE PLAN

WOODBURY PLACE

ST. CHARLES COUNTY, O'FALLON, MISSOURI



Surveyed: J.P.
 Drawn: J.C.B.
 Checked: T.C./M.K.

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Scale 1" = 30'	Date DECEMBER 7, 2009	Job 11354	Sheet C105
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