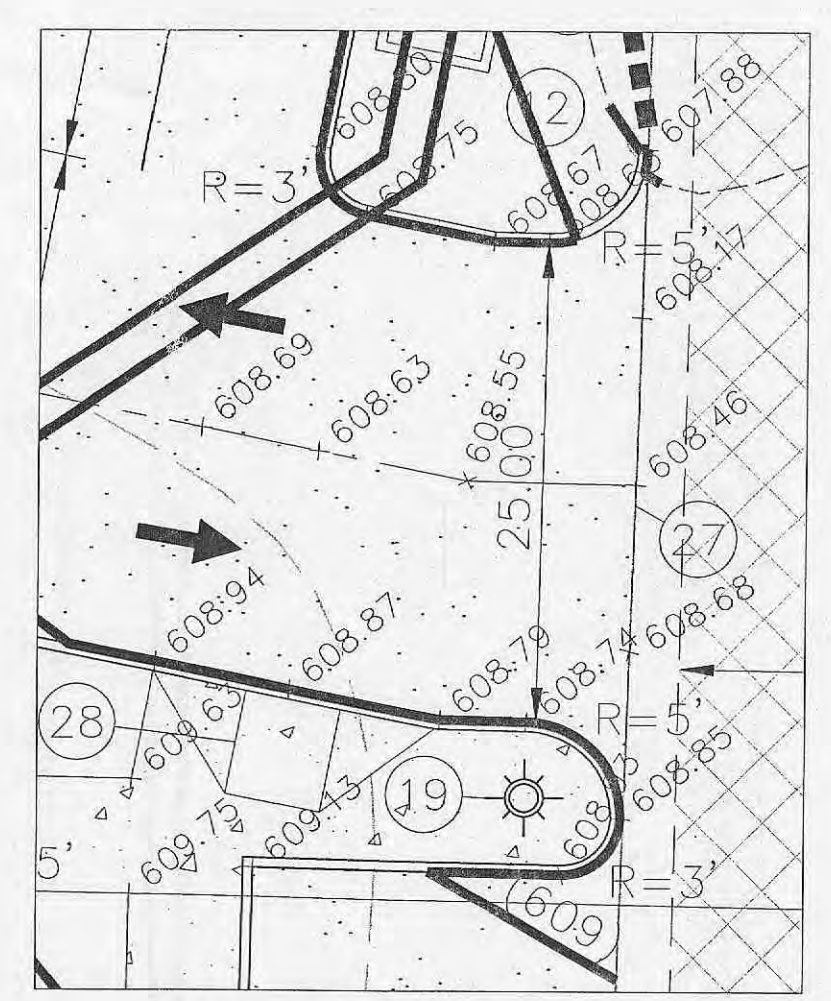
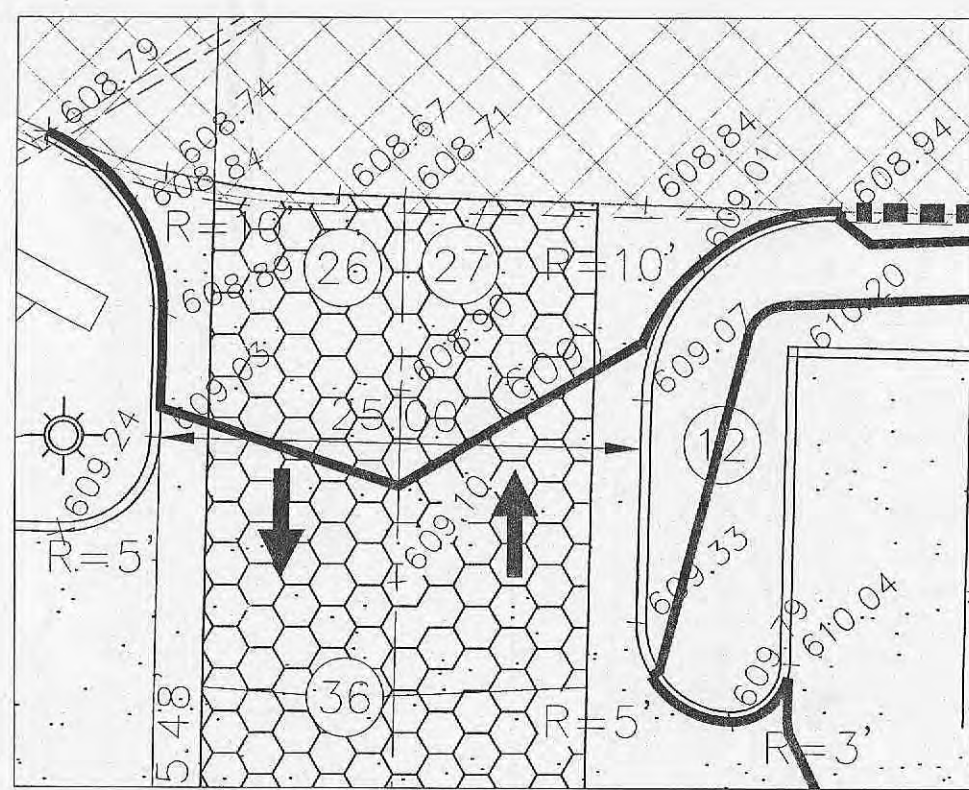


- RETAINING WALL NOTES:**
1. THE "RETAINING WALLS", AS SHOWN ON THE PLANS, ARE PROVIDED BY THE SITE ENGINEER ONLY TO ESTABLISH THE GENERAL LINES AND ELEVATIONS, AS WELL AS THE INTENTIONS OF THE SITE ENGINEER. THEY ARE NOT INTENDED TO REPRESENT THE FINAL INSTALLATIONS OF THE WALLS THEMSELVES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE COMPLETE WALLS NECESSITATED BY THE ACTUAL GRADES OCCURRING IN THE FIELD.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACTUAL QUANTITIES OF MATERIALS REQUIRED TO CONSTRUCT THESE WALLS. THESE QUANTITIES WILL BE REFLECTED IN HIS BID. NOTHING EXPRESSED ON THIS SHEET SHALL BE CONSTRUED BY THE CONTRACTOR AS REPRESENTATIVE OF THE FINAL QUANTITIES REQUIRED TO ACHIEVE THE INSTALLATION.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION DRAWINGS AND CALCULATIONS, SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE OF MISSOURI. A COPY OF THESE DRAWINGS AND CALCULATIONS SHALL BE PROVIDED TO THE SITE ENGINEER.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR THE SUCCESSFUL CONSTRUCTION OF THESE WALLS.



- GRADING PLAN NOTES (CONTINUED):**
- REPORTS) FOR PROJECTS WITHIN THE CITY OF O'FALLON:
- A. MAXIMUM DRY DENSITY
 - B. OPTIMUM MOISTURE CONTENT
 - C. MAXIMUM AND MINIMUM ALLOWABLE MOISTURE CONTENT
 - D. CURVE MUST BE PLOTTED TO SHOW DENSITY FROM A MINIMUM OF 90% COMPACTION AND ABOVE, AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST" (ASTM D-1557), OR FROM A MINIMUM OF 95% AS DETERMINED BY THE "STANDARD PROCTOR TEST AASHTO T-99, METHOD C" (ASTM D-698). PROCTOR TYPE MUST BE DESIGNATED ON DOCUMENT.
 - E. CURVE MUST HAVE AT LEAST 5 DENSITY POINTS WITH MOISTURE CONTENT AND SAMPLE LOCATIONS LISTED ON DOCUMENT
 - F. SPECIFIC GRAVITY
 - G. NATURAL MOISTURE CONTENT
 - H. LIQUID LIMIT
 - I. PLASTIC LIMIT
- BE ADVISED THAT, IF THIS INFORMATION IS NOT PROVIDED TO THE CITY'S CONSTRUCTION INSPECTOR, THE CITY WILL NOT ALLOW GRADING OR CONSTRUCTION ACTIVITIES TO PROCEED ON
8. ALL DISTURBED AREAS OUTSIDE OF BUILDING AREA, WHICH ARE NOT TO BE PAVED FOR VEHICULAR OR PEDESTRIAN TRAFFIC, OR AS EQUIPMENT PADS, SHALL RECEIVE HARD SURFACING, MULCH OR SEEDING, AS FOLLOWS:
 - HARD SURFACING
 - MULCH
 - SEEDING
 9. ANY AREA DISTURBED OUTSIDE OF THE GRADING LIMITS SHALL HAVE SILTATION CONTROL.
 10. ALL ROOF DRAINAGE SHALL BE DIRECTED TOWARD SOUTHWEST CORNER OF BUILDING, ULTIMATELY TO BE DISPOSED OF INTO EXISTING AREA INLET, APPROXIMATELY 10' WEST OF WEST PROPERTY LINE.

- GRADING PLAN NOTES:**
1. BENCHMARK: STANDARD DISK STAMPED "ORF 1931", SET IN A 12" SQUARE CONCRETE MONUMENT. IT IS LOCATED 0.4 MILES WEST OF THE INTERSECTION OF BRYAN ROAD AND FEISE ROAD AT #1301 FEISE ROAD (JUST BEYOND CAREGIVERS INN RETIREMENT HOME); TURN RIGHT AND FOLLOW DRIVE NORTH FOR 0.05 MILES TO HOUSE AT SOUTHWEST CORNER OF SMALL POND; DISK IS 350 FEET NORTHWEST OF HOUSE; ELEVATION 667.96'
 2. BASIS OF TOPOGRAPHY: TOPOGRAPHICAL SURVEY, PERFORMED BY CORNERSTONE LAND SURVEYING, 11 JANUARY, 2005.
 3. ALL PAVEMENT SPOT ELEVATIONS SHOWN ARE TO PAVEMENT SURFACE, NOT TOP OF CURB. ADD 0.50' FOR TOP OF CURB ELEVATION.
 4. STORM WATER DETENTION HAS BEEN PROVIDED FOR THIS SITE BY THE WINGHAVEN GLOBAL DETENTION PLAN.
 5. THIS SITE LIES WITHIN ZONE X (AREAS DETERMINED TO BE OUTSIDE 500 YEAR FLOOD PLAIN), PER FIRM MAP NO. 29183C0240 E, 02 AUGUST, 1996.
 6. THE DEVELOPER SHALL POST A FINANCIAL GUARANTEE OF PERFORMANCE (PER AN APPROVED COST ESTIMATE), AS REQUIRED BY ARTICLE 403 OF THE CITY OF O'FALLON SUBDIVISION ORDINANCE.
 7. THE DEVELOPER SHALL SUPPLY THE CITY OF O'FALLON CONSTRUCTION INSPECTORS WITH SOILS REPORTS PRIOR TO OR DURING SITE SOILS TESTING. THE SOILS REPORT WILL BE REQUIRED TO CONTAIN THE FOLLOWING INFORMATION ON SOIL TEST CURVES (PROCTOR

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REVISION	COMMENT
04-28-05	GENERAL REVISIONS
08-22-05	CITY OF O'FALLON COMMENTS
03-27-06	CITY OF O'FALLON CHECKLIST

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**ADVENTURE LEARNING CENTER
GRADING PLAN**

Date: 03-01-05	Project Number: 05-902
MSD P#	Sheet
Drawn By:MLA	4
Check By:MLA	
Base Map:	
ZIP: 63366	

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PLANNING AND ZONING FILE NO. 9831-37-02-01