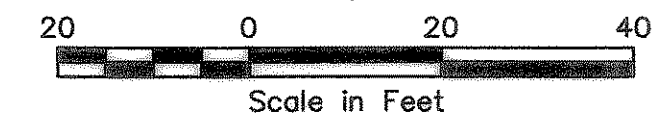


GRADING - GENERAL NOTES

- All construction to be in accordance with provisions, regulations and requirements of the City of Rockwall, Texas.
- Compaction should be accomplished by placing fill in about 8 inch thick loose lifts and compacting each lift to at least the specified minimum dry density. Field density and moisture content tests shall be performed on each lift as necessary to assure adequate compaction is achieved. All fill to be compacted with sheeps foot roller.
- Grading Contractor is responsible for disposal off-site of all excavated and cleared material which soils lab declares unsuitable for use on-site.
- Initial site grading shall be completed to a tolerance of plus or minus two-tenths of one foot. Final grading, to be done prior to paving and foundation construction, shall be provided to a tolerance of plus or minus five-hundredths of one foot.
- Contractor shall replace any erosion control materials at the end of each work day if said materials were removed during the day for ease of construction or access.
- If rock is encountered in any pavement or building subgrade, the rock shall be excavated to a depth of six inches, removed and non-rock material shall be replaced with clean native material suitable for fill. This shall be accomplished by the Excavation Contractor, subsidiary to this contract.
- All subgrade areas shall be scarified to a depth of 8-inches, watered to obtain optimum moisture content for compaction and recompacted using a sheep's foot roller to a minimum of 95% standard proctor density. Any area which does not meet this requirement shall be removed and replaced with soil which will fulfill these requirements.
- Only clean dirt free from vegetation and trash, with rocks smaller than four inches in diameter may be utilized for fill material and in the sub-pavement areas.
- Contractor shall not pour any concrete until he has verified that the forms have been set to insure compliance with American Disabilities Act (ADA). Extreme care should be taken to insure that no cross slope (slope perpendicular to the route of travel of a wheel chair) exceeds 2.0% (1 in 50) and that no running slope (slope in the direction of the wheel chair travel) exceeds 5.0% (1 in 20). Special attention should be given to the all sidewalk crossings across driveways.
- Contractor shall work with Mr. Ron Wyatt, Consulting Arborist (972) 771-1480 or (972) 741-7073, prior to, during, and after all construction activities near the trees that are to remain. Exact grading in and around these areas may be adjusted, as directed by Mr. Wyatt, to facilitate and insure the survival of these trees.



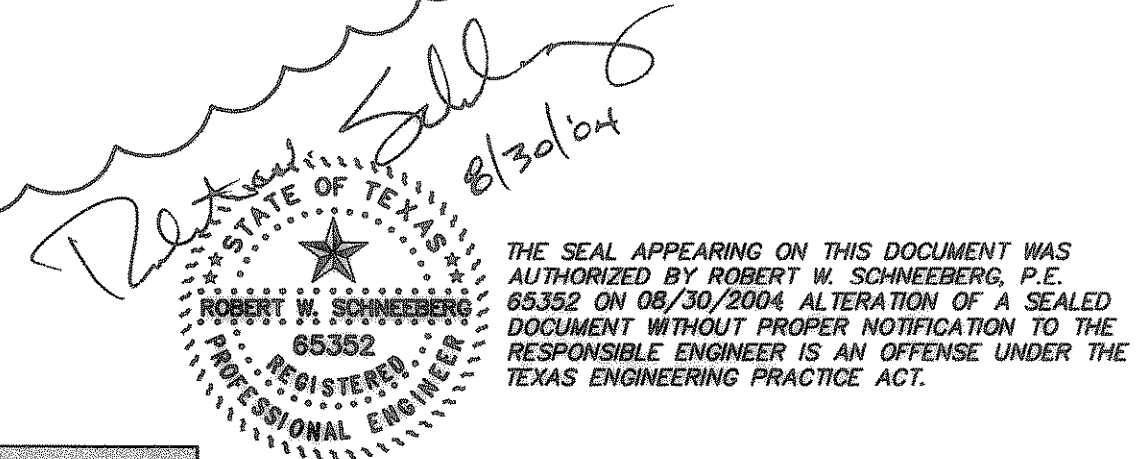
SEE SHEET 5 FOR ADDITIONAL DETENTION CALCULATIONS

COMPUTATION OF ALLOWABLE RELEASE RATE FROM POND:
 UNDEVELOPED RUNOFF = 5.43 CFS = MAXIMUM ALLOWABLE DEVELOPED RUNOFF
 DEVELOPED RUNOFF = 0.02-OPONDOUT = 0.35+2.29-OPONDOUT=5.43 CFS
 OPONDOUT = 5.43-0.35=2.29 = 2.79 CFS (ALLOWABLE RELEASE RATE)
 CA FOR POND INFLOW = AREAS 3 THROUGH 6
 CA FOR POND INFLOW = (2.8x.90)+(1.66x.90)+(1.38x.35)+(1.7x.35)=1.04

LEGEND

- TW-491 TOP OF WALL
- BW-486 BOTTOM OF WALL
- 490 PROPOSED CONTOUR LINE
- TC-493.02 TOP OF CURB
- G-492.52 GUTTER
- GRADE BREAK (HIGH POINT)
- FLOW ARROW

NOTE: GROUDED ROCK RIP RAP SHALL NOT BE REQUIRED IF POND BOTTOM IS ROCK.



RECORD DRAWING
 THIS DRAWING HAS BEEN REVISED TO REFLECT CONSTRUCTION RECORDS MAINTAINED BY THE GENERAL CONTRACTOR: RIDGEMONT COMMERCIAL CONSTRUCTION
 DATE OF REVISION: AUGUST 30, 2004

BENCHMARKS:
 TOP OPERATING NUT OF FIRE HYDRANT AT INTERSECTION OF YELLOW JACKET LN. AND KYLE DR. ELEV.= 529.26

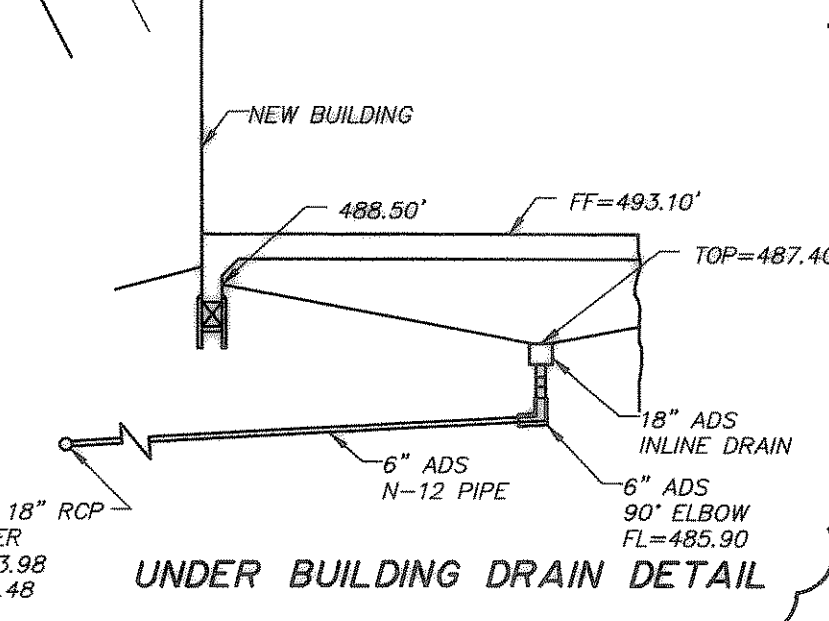
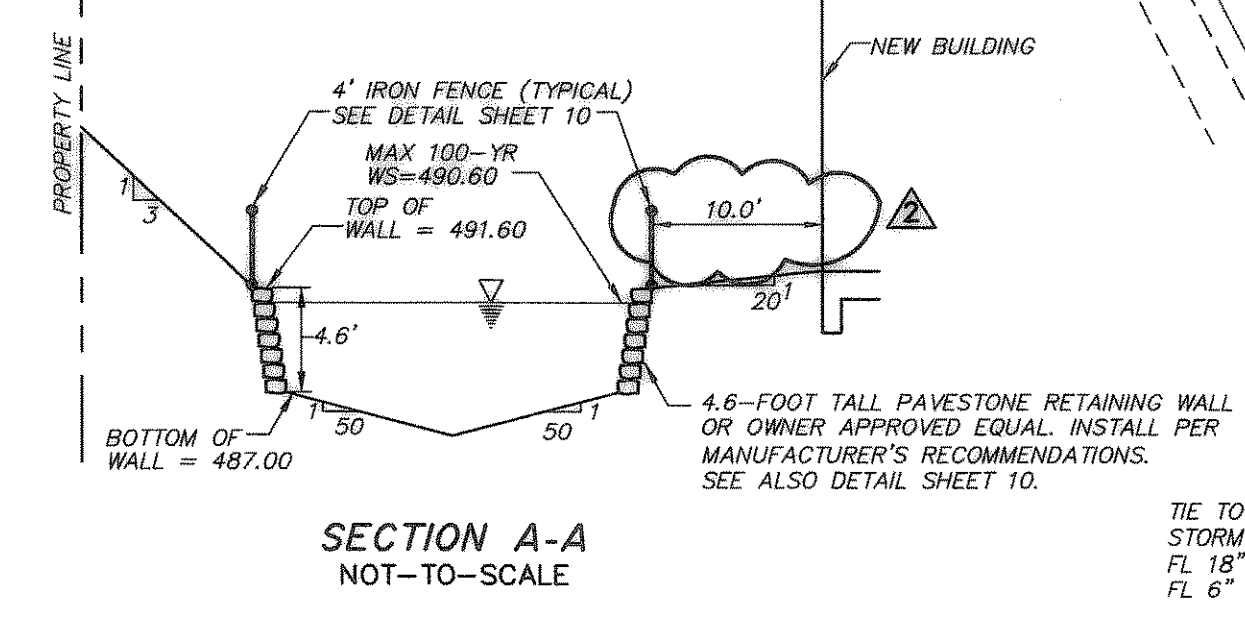
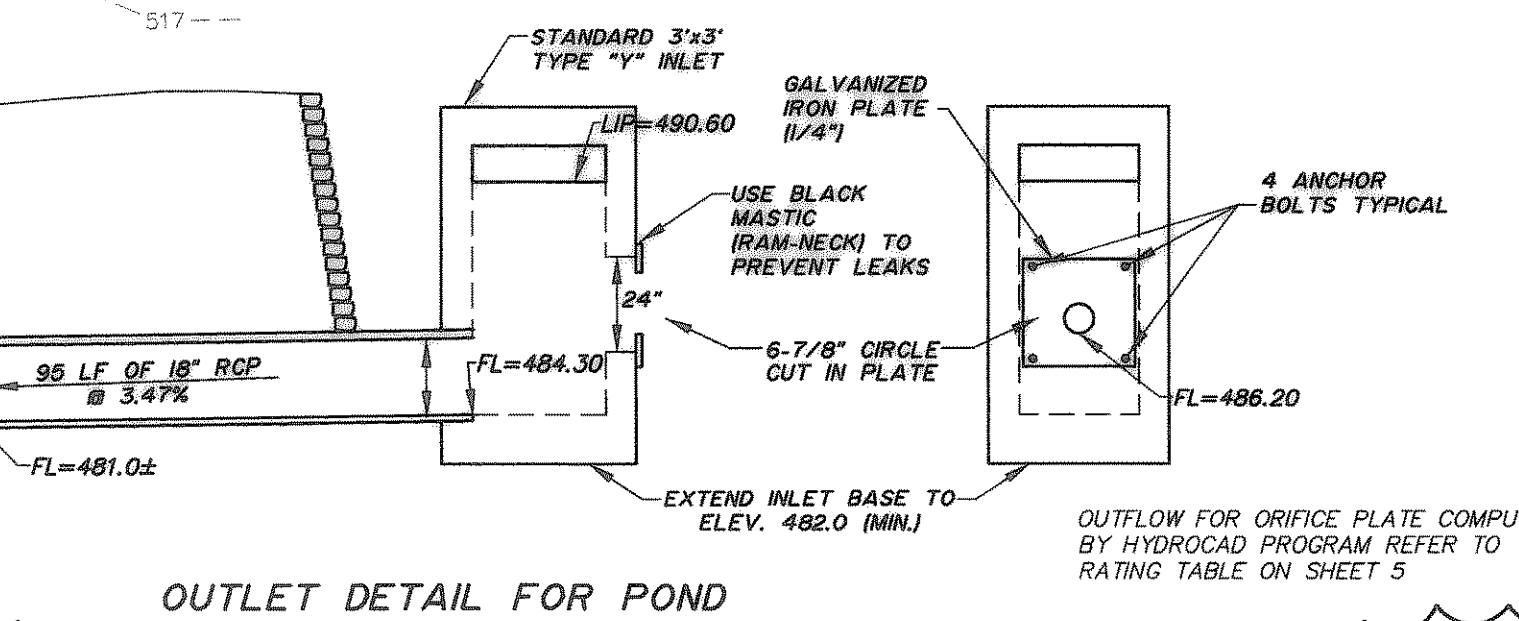
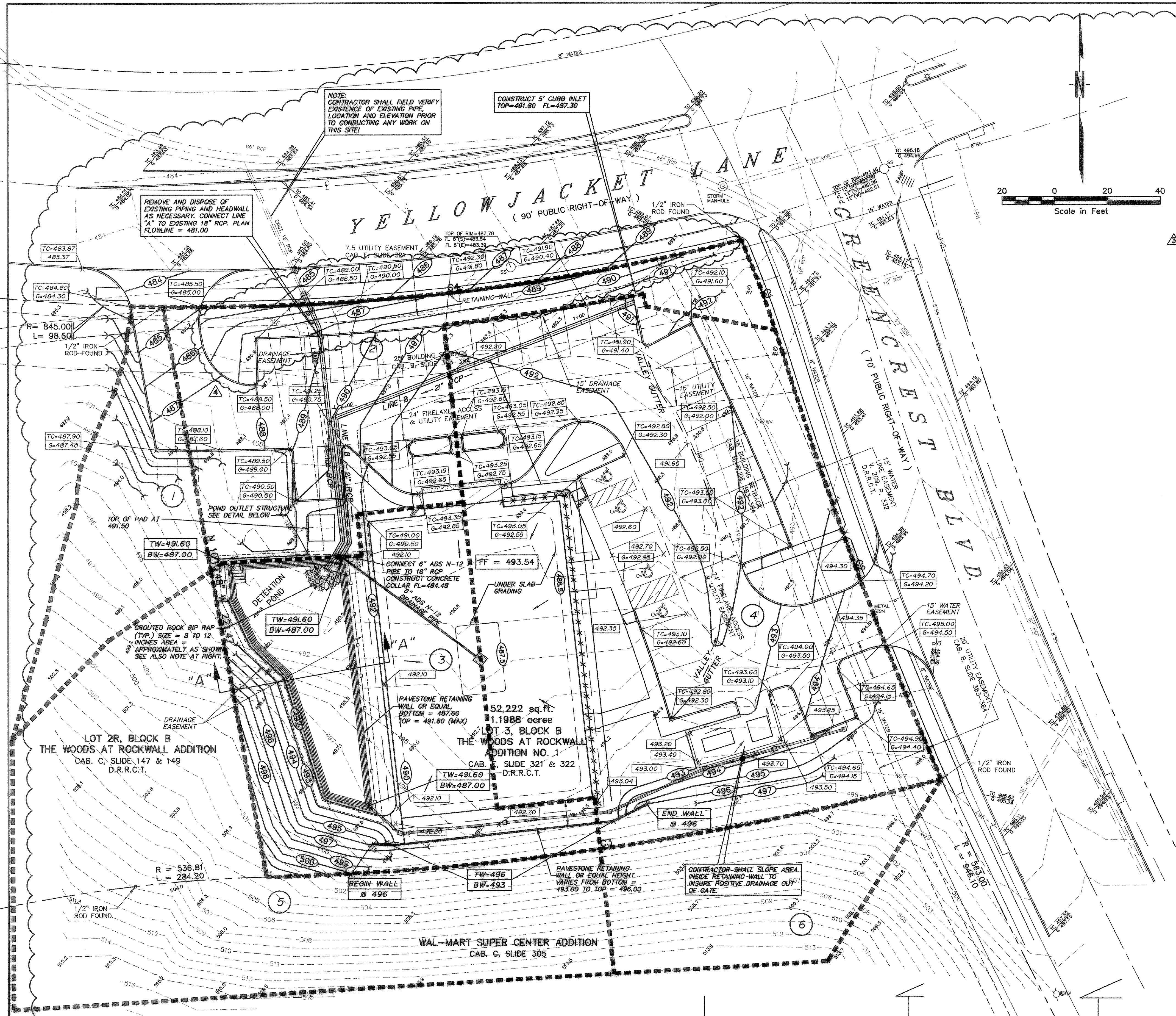
NO.	DATE	REVISION
4	8-30-04	Changes for record drawing
3	12-18-03	Change grades front, back and east of building. Lowered wall. Renumbered notes. Added notes 9 and 10. Adjusted drainage areas.
2	12-08-03	Grades revised at front of building and other noted
1	12-01-03	Entire sheet revised

PROJ. NO. 4956-03-07-15 DWG. NO. 4956ard.dwg

Gonzalez & Schneeborg engineers - surveyors
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 (972) 516-8858 Fax: (972) 516-8901

GRADING AND DRAINAGE PLAN
 LOT 3R, BLOCK B, THE WOODS AT ROCKWALL ADDITION NO. 1
 SURGERY CENTER OF ROCKWALL
 CITY OF ROCKWALL, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
GSES	GSES	SEPTEMBER 2003	1"=20'			



P:\4956-rckwa\11as-bu\11as-4956grnd.dwg Wed Sep 01 14:35:30 2004 Gonzalez & Schneeborg, Engineers & Surveyors, Inc.