

EARTHWORK SPECIFICATIONS:

1. CLEARING AND GRUBBING

CLEARING AND GRUBBING SHALL CONSIST OF CLEARING THE SURFACE OF THE GROUND OF THE DESIGNATED AREAS OF ALL TREES, LOGS, SNAGS, BRUSH, UNDERGROWTH, HEAVY GROWTH OF GRASS, WEEDS, FENCE STRUCTURES, DEBRIS AND RUBBISH OF ANY NATURE, NATURAL OBSTRUCTIONS SUCH AS OBJECTIONAL SOIL MATERIAL UNSATISFACTORY FOR FOUNDATIONS, IT SHALL ALSO CONSIST OF GRUBBING OF STUMPS, ROOTS FOUNDATIONS AND DISPOSE OF ALL SUCH MATERIAL. ALL HOLES REMAINING AFTER THE GRUBBING OPERATION IN EMBANKMENT AREAS AND IN EXCAVATION AREAS LESS THAN TWO (2) FEET IN DEPTH, SHALL HAVE SIDES BROKEN DOWN AND LEVELLED IF NECESSARY TO FLATTEN OUT SLOPES, REILLED WITH ACCEPTABLE MATERIAL THAT IS PROPERLY COMPACTED IN LAYERS BY TAMPERS, ROLLERS OR CONSTRUCTION EQUIPMENT.

BURNING ON SITE IS NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE LOCAL GOVERNING AUTHORITIES HAVING JURISDICTION.

2. EXISTING TREES AND AREA OUTSIDE OF GRADING LIMITS LINE

TREES AND VEGETATION TO BE SAVED SHALL BE PROTECTED FROM DAMAGE BY A FENCE BARRICADE PRIOR TO, OR DURING, CLEARING OPERATIONS. TREES TO BE SAVED SHALL BE DESIGNATED BY THE OWNER. NO TREES ARE TO BE REMOVED FROM THE AREA OUTSIDE THE LIMITS OF GRADING OR FROM SPECIFICALLY DESIGNATED AREAS WITHIN THE CONSTRUCTION AREAS. IF, IN THE OPINION OF THE ENGINEER, A CONTRACTOR DAMAGES A TREE NOT TO BE REMOVED, THE CONTRACTOR WILL BE FINED A PREDETERMINED AMOUNT FOR EACH DAMAGED TREE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL COSTS ASSOCIATED IN REMOVING THE DAMAGED TREES FROM THE SITE.

3. FILL

ALL VEGETATION SUCH AS ROOTS, BRUSH, HEAVY GROWTH OF GRASS, TOPSOIL, ALL DECAYED VEGETABLE MATTER, RUBBISH, AND OTHER UNSUITABLE MATERIAL WITHIN THE AREA UPON WHICH FILL IS TO BE PLACED SHALL BE STRIPPED OR BE OTHERWISE REMOVED BEFORE THE FILL OPERATION IS STARTED. IN NO CASE SHALL UNSUITABLE MATERIAL REMAIN IN OR UNDER THE FILL AREA. SLOPED GROUND SURFACE STEEPER THAN ONE VERTICAL TO FOUR HORIZONTAL, ON WHICH FILL IS TO BE PLACED, SHALL BE PLACED, STEPPED OR BENCHED IN SUCH A MANNER THAT THE FILL TO BE PLACED SHALL BE 97 PERCENT OF THE MAXIMUM LABORATORY DRY DENSITY ACCORDING TO STANDARD PROCTOR (ASTM D-99, ASTM D-698). MOISTURE CONTENT SHALL BE WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT. PROOF ROLL THE AREAS TO BE FILLED OR ON WHICH STRUCTURES ARE TO BE PLACED. A LOADED DUMP TRUCK OR OTHER RUBBER TIED EQUIPMENT SHALL BE USED PROOF ROLLING. OVERLAPPING PASSES OF A VEHICLE SHOULD BE MADE ACROSS THE SITE IN ONE DIRECTION AND THEN PERPENDICULAR TO THE ORIGINAL DIRECTION OF ROLLING.

ANY YIELDING, PUMPING OR SOFT AREAS SHOULD BE CUT OUT AND REPLACED WITH FILL COMPACTED AS DESCRIBED HEREIN.

THE PROPOSED FILL SHOULD BE LIMITED TO SOILS CLASSIFIED IN ACCORDANCE WITH ASTM D-947 AS GM, CC, SW, SM, SC, ML AND CL SOIL CLASSIFIED AS PT, OH, CH AND MH ARE NOT SATISFACTORY AS COMPACTED FILL.

FILLS AND EMBANKMENTS SHALL BE CONSTRUCTED AT THE LOCATIONS AND TO THE LINES AND GRADES INDICATED ON CONSTRUCTION PLANS. THE SLOPE SHALL NOT EXCEED 2 FOOT HORIZONTAL TO 1 FOOT VERTICAL. (3 FOOT HORIZONTAL TO 1 FOOT VERTICAL IN THE PUBLIC RIGHT OF WAY) THE COMPLETED FILL SHALL CORRESPOND TO THE SHAPE OF THE TYPICAL SECTIONS INDICATED ON THE CONSTRUCTION PLANS. MATERIAL REMOVED FROM THE EXCAVATION SHALL BE USED IN FORMING THE FILL. FILL MATERIAL SHALL BE REASONABLY FREE FROM ROOTS, OTHER ORGANIC MATERIAL, TRASH AND STONES HAVING MAXIMUM DIMENSIONS GREATER THAN 6 INCHES (4 INCHES IN TRENCHES FOR UTILITIES). NO FROZEN MATERIAL WILL BE PERMITTED IN THE FILL. STONES HAVING A MAXIMUM DIMENSION OF 4 INCHES WILL NOT BE PERMITTED IN THE UPPER SIX INCHES OF FILL OR EMBANKMENT OR UTILITY TRENCH. THE MATERIAL SHALL BE PLACED IN SUCCESSIVE HORIZONTAL LAYERS NOT MORE THAN 8 INCHES THICK, UNLESS OTHERWISE NOTED. IN LOOSE DEPTH FOR THE WIDTH OF THE CROSS-SECTION AND SHALL BE COMPACTED TO AT LEAST 97 PERCENT OF THE MAXIMUM LABORATORY DRY DENSITY ACCORDING TO STANDARD PROCTOR (ASTM D-99, ASTM D-698). MOISTURE SHALL BE WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT. THE TOP 12 INCHES OF THE PAVING, PARKING AND/OR ROADWAY SUB-GRADE SHALL BE COMPACTED TO 97 PERCENT OF THE MAXIMUM DRY DENSITY (STANDARD PROCTOR). EACH LIFT SHALL BE ROLLED WITH A VIBRATORY ROLLER, A SHEEPSFOOT ROLLER, OR A LOADED RUBBER TIED DUMP TRUCK, SCRAPER OR LOADER. IF THE SOIL IS TOO DRY, A WATER TRUCK WITH SPREADER BAR OR SPRAY HOSE SHALL BE USED TO BRING THE SOIL TO THE PROPER MOISTURE RANGE. THE WATER SHALL BE THOROUGHLY AND PROPERLY MIXED WITH THE SOIL PRIOR TO COMPACTION.

STORM DRAIN PIPES SHALL BE PLACED ON FIRM BOTTOM AND HAND TAMPED TO SAVE UP THE PIPE. A CUSHION OF SOIL SHALL BE TAMPED ABOVE THE CROWN OF THE PIPE IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS SO THAT THE HEAVIER COMPACTION EQUIPMENT CAN THEN BE USED TO BRING THE SOIL TO A DENSITY AS DESCRIBED ABOVE FOR FILL AREAS.

IF SOILS INVESTIGATION REPORT IS PROVIDED, THEN FOLLOW THE RECOMMENDATIONS OF THE REPORT IF THEY EXCEED THE RECOMMENDATIONS OF THESE SPECIFICATIONS.

4. TOPSOIL

UNLESS OTHERWISE SPECIFIED, AREAS DESIGNATED FOR GRADING OPERATIONS THAT CONTAIN A BLANKET OF TOPSOIL SHALL BE STRIPPED AND PLACED IN CONVENIENT STOCKPILES FOR LATER USE AS A TOPSOIL BLANKET ON THE NEW GRADED AREAS SPECIFIED HEREIN, OR AS DESIGNATED. TOPSOIL SHALL BE STRIPPED FROM ALL AREAS DESIGNATED TO RECEIVE FILL. THE STRIPPING OF MATERIAL FOR TOPSOIL SHALL BE CAREFULLY DETERMINED AND ONLY THE QUANTITY REQUIRED SHALL BE STOCKPILED. MATERIAL STOCKPILED SHALL BE STORED IN A SATISFACTORY MANNER TO AFFORD PROPER DRAINAGE. WHEN GRADING OPERATIONS PERMIT, INSTEAD OF STOCKPILING, THE TOPSOIL SHALL BE HAILED AND SPREAD DIRECTLY ON THE AREAS DESIGNATED TO RECEIVE TOPSOIL.

5. ROCK EXCAVATION

IF ROCK IS ENCOUNTERED, CLEAR AWAY EARTH TO EXPOSE MATERIAL. NOTIFY OWNER AND RECEIVE WRITTEN INSTRUCTIONS PRIOR TO EXCAVATION. REMOVE ROCK TO A DEPTH OF 6 INCHES BELOW AND 8 INCHES ON EACH SIDE OF PIPES IN TRENCHES. A MEASUREMENT OF EXTENT OF ROCK TO BE REMOVED SHALL BE MADE. ROCK EXCAVATION SHALL BE PAID FOR IN ACCORDANCE WITH AGREEMENT WITH THE OWNER.

EROSION CONTROL NOTES:

1. DEVELOPER: VAZAX HOLDINGS, LLC, 1560 OLD OAKS, CHARLOTTESVILLE, VA 22901 TEL. (434) 770-8902

2. 24 HOUR CONTACT: TOM NOELKE (434) 770-8902

3. PROJECT INCLUDES CONSTRUCTION OF A RESTAURANT BUILDING WITH ASSOCIATED UTILITIES. TOTAL TRACT AREA = 0.97 ACRES, TOTAL DISTURBED AREA = 0.90 ACRES

4. ADDITIONAL MEASURES WILL BE ADDED IF DETERMINED TO BE NEEDED BY ON-SITE INSPECTION.

5. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

6. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. PRACTICES WILL BE CHECKED DAILY.

7. NO STATE WATERS LOCATED WITHIN 200 FEET OF PROJECT SITE.

8. NO STREAMS ON SITE

9. NO WETLANDS ON SITE

10. ADJACENT SITES ARE COMMERCIAL TO THE NORTH / WEST AND RESIDENTIAL TO THE EAST / SOUTH.

11. STANDARD AND SPECIFICATIONS: ALL DESIGN WILL CONFORM TO AND ALL WORK WILL WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE PUBLICATION ENTITLED "VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK, 3RD ED. 1992."

ACTIVITY SCHEDULE:

TASK DESCRIPTION:	MONTHS (2006)											
	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY
CONSTRUCTION EXIT AND PERIMETER SILT FENCE	X	X										
TEMPORARY SEDIMENT STORAGE FACILITIES	X	X										
CLEARING & GRUBBING	X	X	X	X	X							
ROUGH GRADING	X	X	X	X	X							
TEMPORARY STABILIZATION (GRASSING)			X	X	X	X						
CURB AND GUTTER						X	X					
GRAVEL SUBBASE FOR ROADS AND PARKING AREAS						X	X					
BUILDING CONSTRUCTION						X	X	X	X			
FINAL GRADING								X	X			
PAVING									X	X		
FINAL STABILIZATION (LANDSCAPING)									X	X		

EXISTING SANITARY SEWER SCHEDULE

SSMH 1 48" DIA. MANHOLE, TOP = 1075.42'

BENCH = 1065.6'

12" INV IN(N) = 1064.93'

6" INV IN(E) = 1064.82'

6" INV OUT (S) = 1064.63'

SSMH 2 48" DIA. MANHOLE, TOP = 1072.53'

BENCH = 1064.0'

6" INV IN(N) = 1063.16'

6" INV IN (E) = 1063.15'

6" INV OUT (S) = 1063.14'

SSMH 3 48" DIA. MANHOLE, TOP = 1068.52'

BENCH = 1062.9'

6" INV IN(N) = 1062.52'

4" INV IN (E) = 1063.18'

6" INV OUT (S) = 1062.52'

EXISTING DI. 36, L= 10'
TOP = 1075.0
15" RCP INV IN = 1068.3
15" RCP INV OUT = 1068.3

EROSION CONTROL LEGEND

- TS TEMPORARY SEEDING
- CE CONSTRUCTION ENTRANCE
- SF SILT FENCE
- IP STORM DRAIN INLET PROTECTION
- CRS CONSTRUCTION ROAD STABILIZATION
- B/M SOIL STABILIZATION BLANKETS & MATTING

HOBACK DRIVE, N.W.

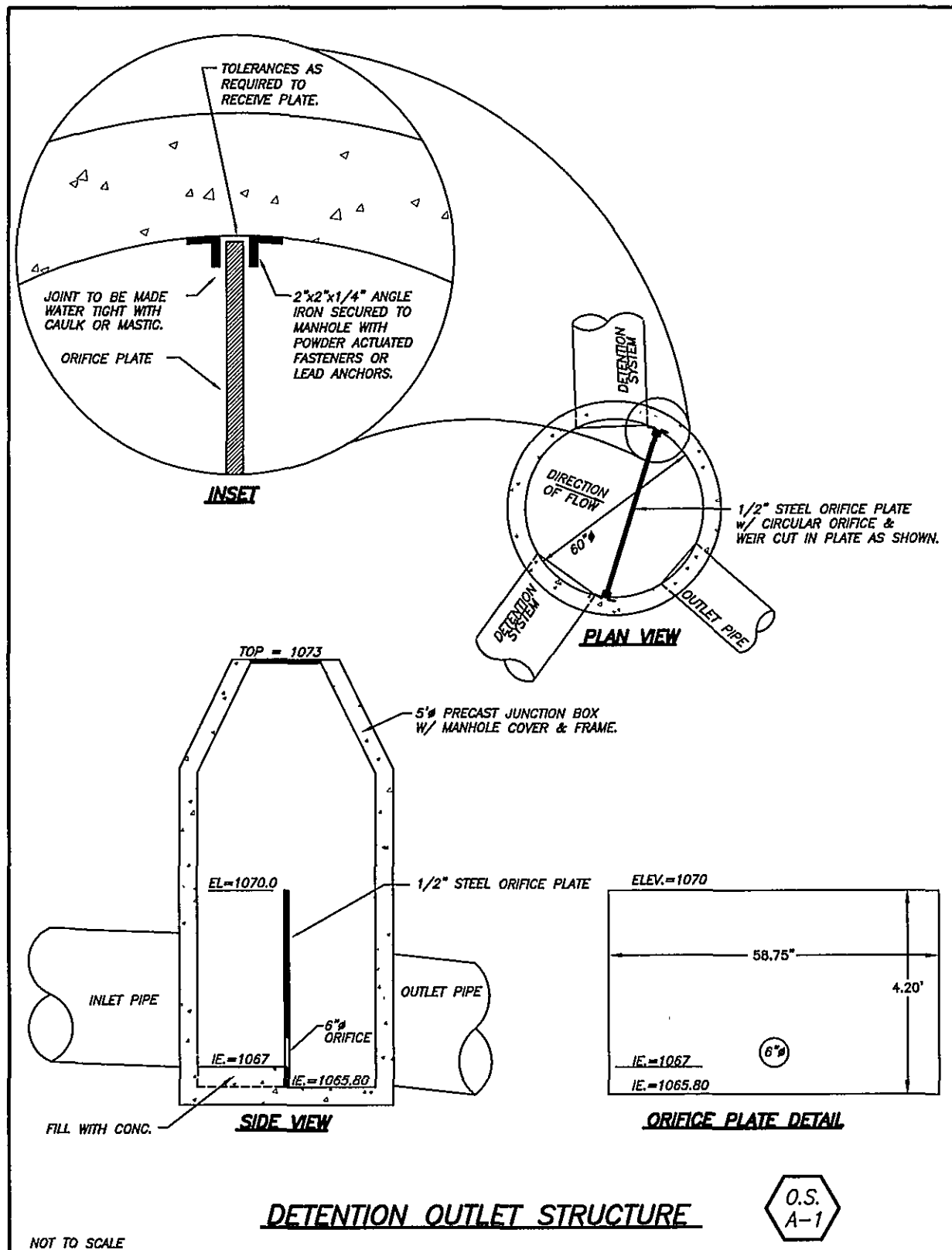
50' WIDE

ORDWAY DRIVE, N.W.

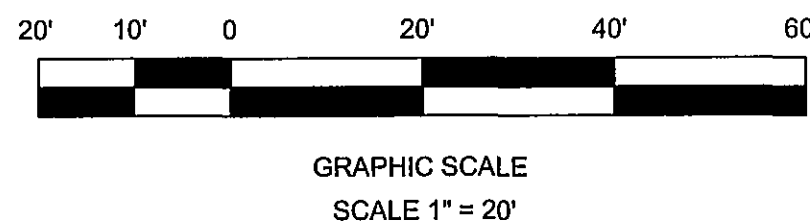
50' WIDE

PROPERTY OF
DORIS D. SCOTT ET AL
TRUSTEES
TAX # 6450108
D.B. 1586, PG. 678

PROPERTY OF
A F H CORPORATION
TAX # 6450110
D.B. 1508, PG. 791

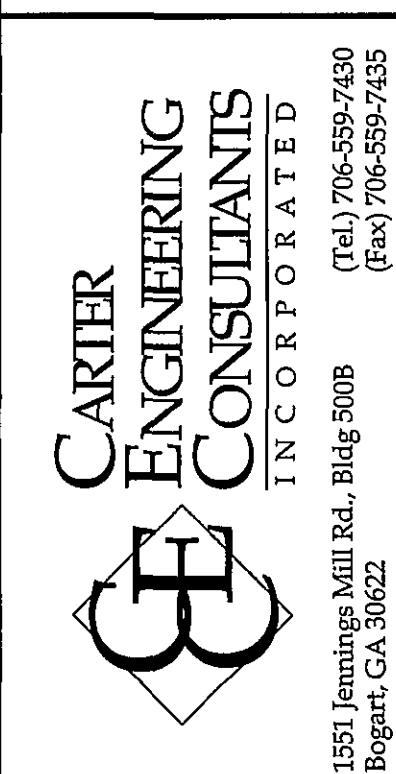


CONTRACTOR SHALL FIRST FIELD LOCATE ALL EXISTING UTILITIES AND VERIFY DEPTH BY EXPOSING SAID UTILITIES. A REPORT SHALL BE PROVIDED TO THE OWNER AND ENGINEER PRIOR TO ANY OTHER CONSTRUCTION.



REVISION BLOCK:

#	DATE	DESCRIPTION
A	3/16/06	CITY SUBMITTAL
B	5/25/06	ADDRESS CITY COMMENTS
C	5/23/06	ADDRESS CITY COMMENTS
D	6/10/06	ADDRESS CITY COMMENTS



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CORNER OF HOBACK DRIVE AND ORDWAY DRIVE, ROCKMERE, VIRGINIA

PROJECT NAME:
ZAXBY'S

SHEET TITLE:
**GRADING AND
EROSION CONTROL
PLAN**

SHEET NUMBER:
C-3

PROJECT NUMBER:
06324ZAX

DATE:
3/16/06