

LAWRENCEVILLE HIGHWAY - R/W VARIES
U. S. HWY. NO. 29 (STATE ROUTE #8)

POSTED SPEED LIMIT 55 M.P.H.

NOTE:
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES, PIPE, AND/OR STRUCTURES SHOWN ON THIS SURVEY WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THIS SURVEY. THE CONTRACTOR SHALL ASCERTAIN THE TRUE LOCATION OF ANY UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR DAMAGE TO ANY PUBLIC OR PRIVATE UTILITIES SHOWN OR NOT SHOWN HEREON.

- NOTES**
- IF A DELAY IN PAVING IS EXPECTED BY THE DEVELOPER OR THE COUNTY, THE STONE BASE MATERIAL SHALL BE PRIMED AT THE RATE OF 0.25 GALLON PER SQUARE YARD WITH R.G. 70 CUT BACK ASPHALT THE SAME DAY IT IS COMPACTED.
 - A BITUMINOUS TACK COAT SHALL BE APPLIED BETWEEN EACH LIFT OF ASPHALTIC CONCRETE. TACK COAT SHALL BE ASPHALT CEMENT, VISCOSITY GRADE AC-10, AC-15, AC-20, OR AC-30. APPLICATION RATE SHALL BE 0.05 GAL/SY.
 - PRIME AND TACK COATS SHALL BE APPLIED IN ACCORDANCE WITH THE DEVELOPMENT REGULATIONS AND THE GEORGIA D.O.T. STANDARD SPECIFICATIONS, LATEST EDITIONS.
 - USE 30" CURB AND GUTTER ON MAJOR AND PRINCIPAL ARTERIALS

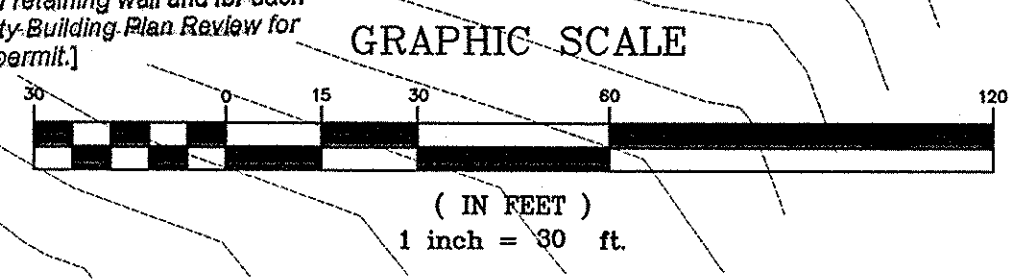
Legend

- 900 --- EXISTING CONTOURS
- 900 --- FINISH CONTOURS
- 6' HIGH WOOD FENCE
- 6' HIGH CHAIN LINK FENCE
- FINISH GRADE

% GILBERT ARNOLD %
 % ANGLINE THEO %

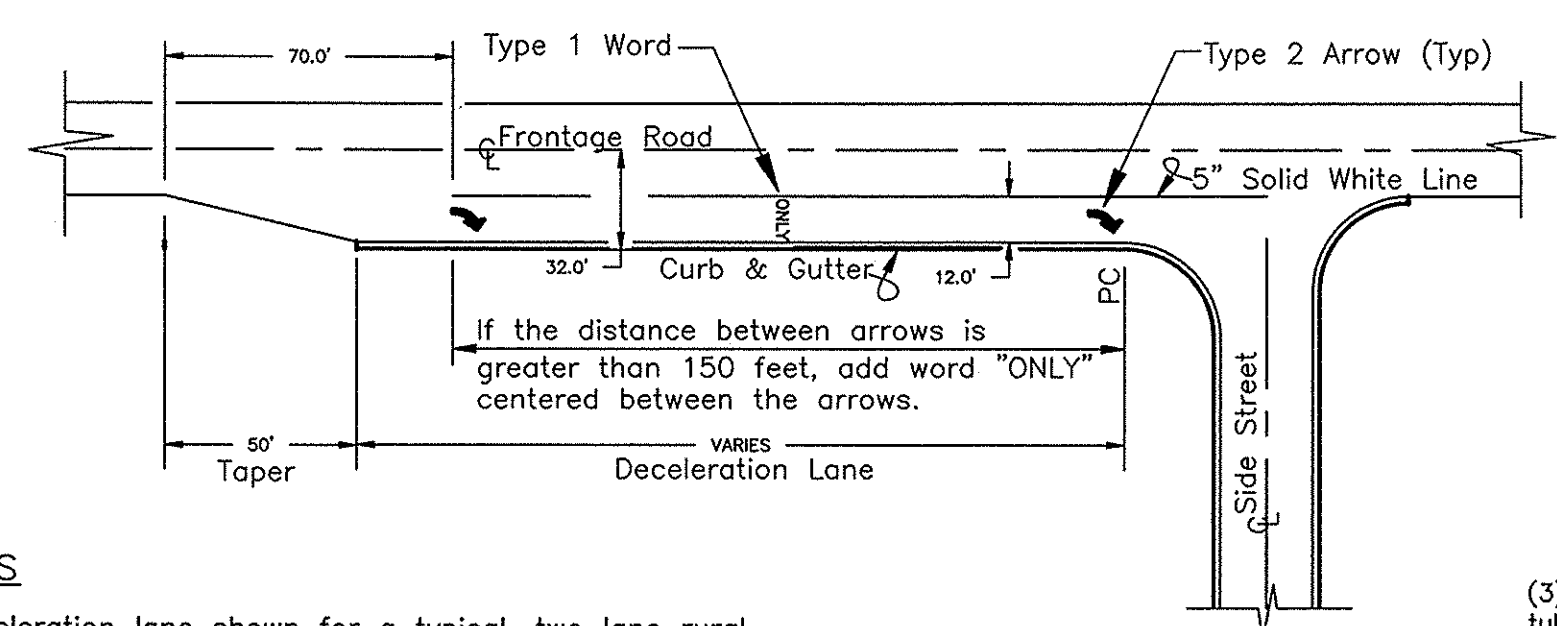
NOTE: Structural construction details and specifications for each retaining wall and for each detention pond wall shall be submitted to Gwinnett County Building Plan Review for review and approval for issuance of a separate building permit.

NOTE: GWINNETT COUNTY D.O.T. IS NOT ON THE ONE CALL SYSTEM
CALL (770) 822-7474 WHEN LOCATING UTILITIES FOR CONSTRUCTION.

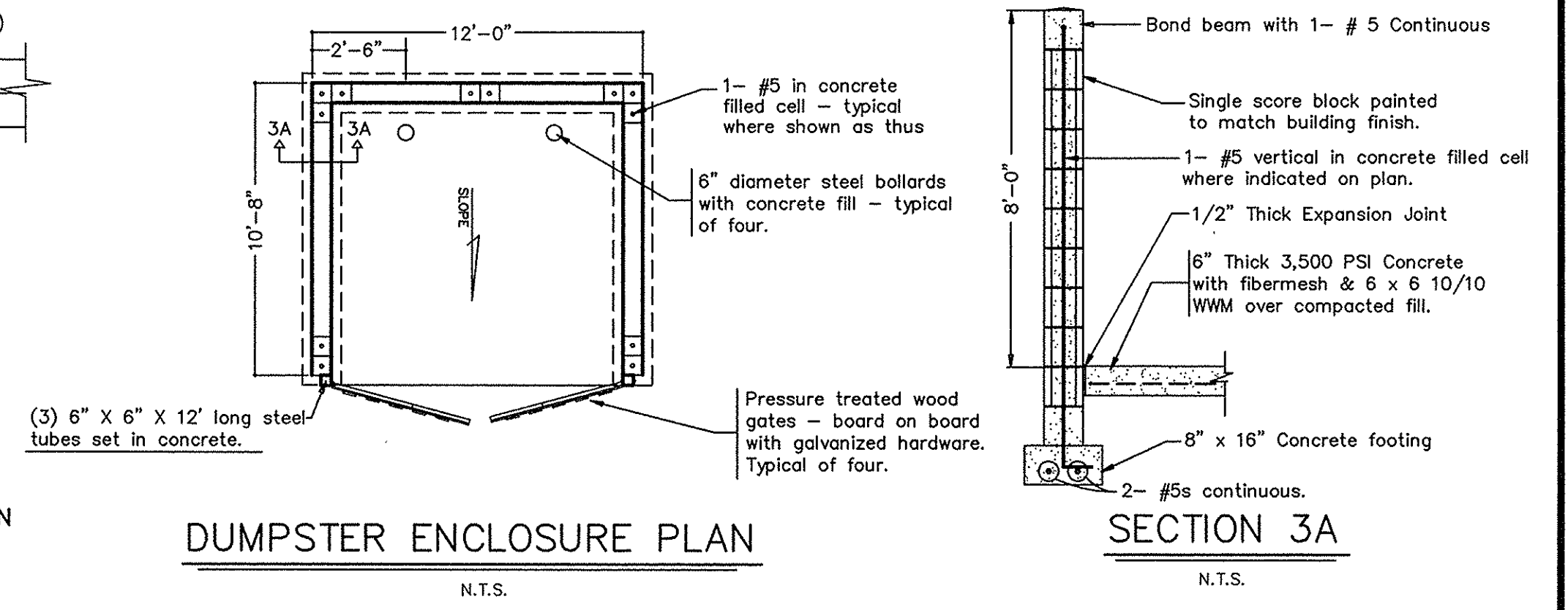


*A separate building permit shall be obtained prior to construction for each site retaining wall (which either exceeds 4 feet in height or which has a backfill slope greater than 1:1) and for each detention pond wall (which exceeds 4 feet in height) and for each structure shown on this plan in accordance with Gwinnett County Construction Code section 105.1.1. A Certificate of Completion shall be issued by Gwinnett County Building Inspections Section for all water treatment to the project prior to issuance of a Certificate of Occupancy for any viable structure on the site and prior to approval of the Final Subdivision Plat (as applicable).

- NOTES**
- Deceleration lane shown for a typical, two lane rural road. A multi-lane road deceleration lane is similar.
 - Paint for pavement markings shall meet the requirements of Section 6.5.4 of the County Development Regulations.
 - Deceleration lanes less than 200 feet in length must be approved by the Gwinnett D.O.T and the Planning and Development Department.

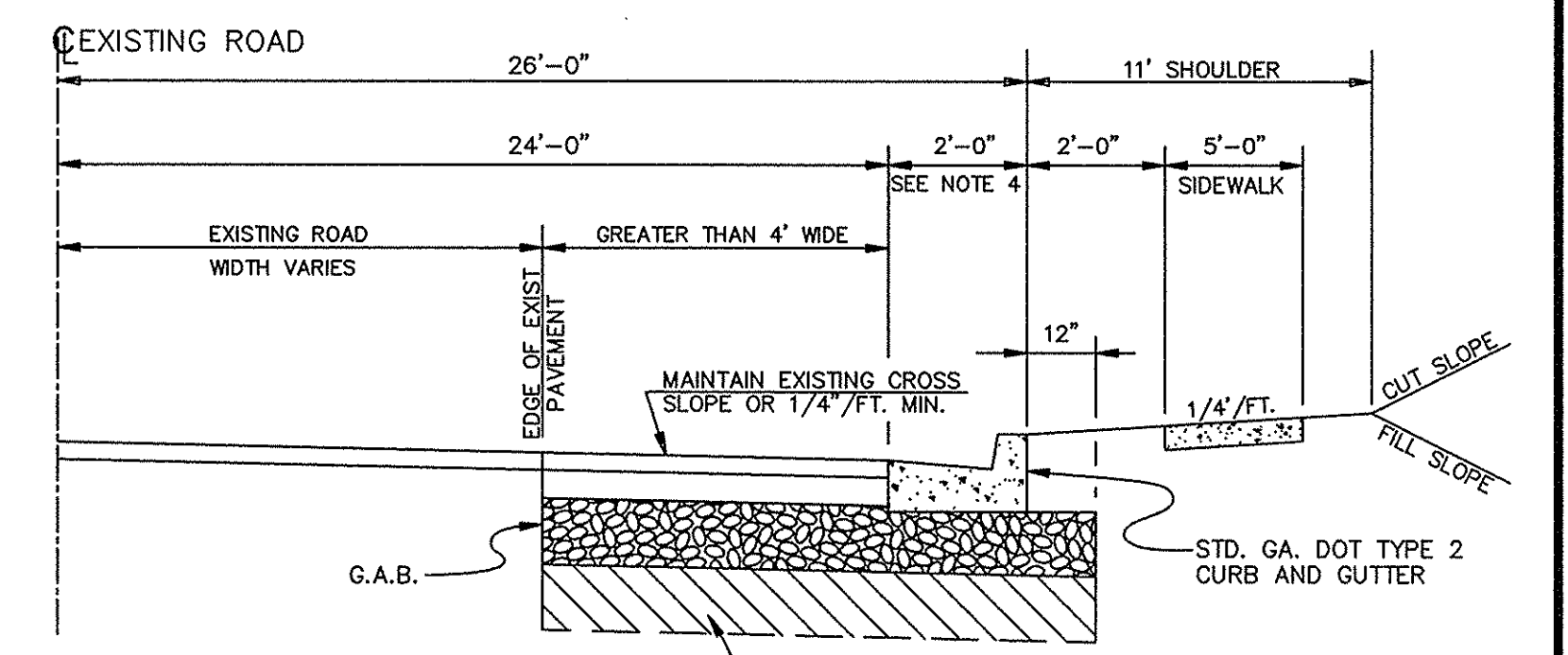


GWINNETT COUNTY
 DEPARTMENT OF TRANSPORTATION
 STANDARD DECELERATION LANE
 LAYOUT & PAVEMENT MARKINGS

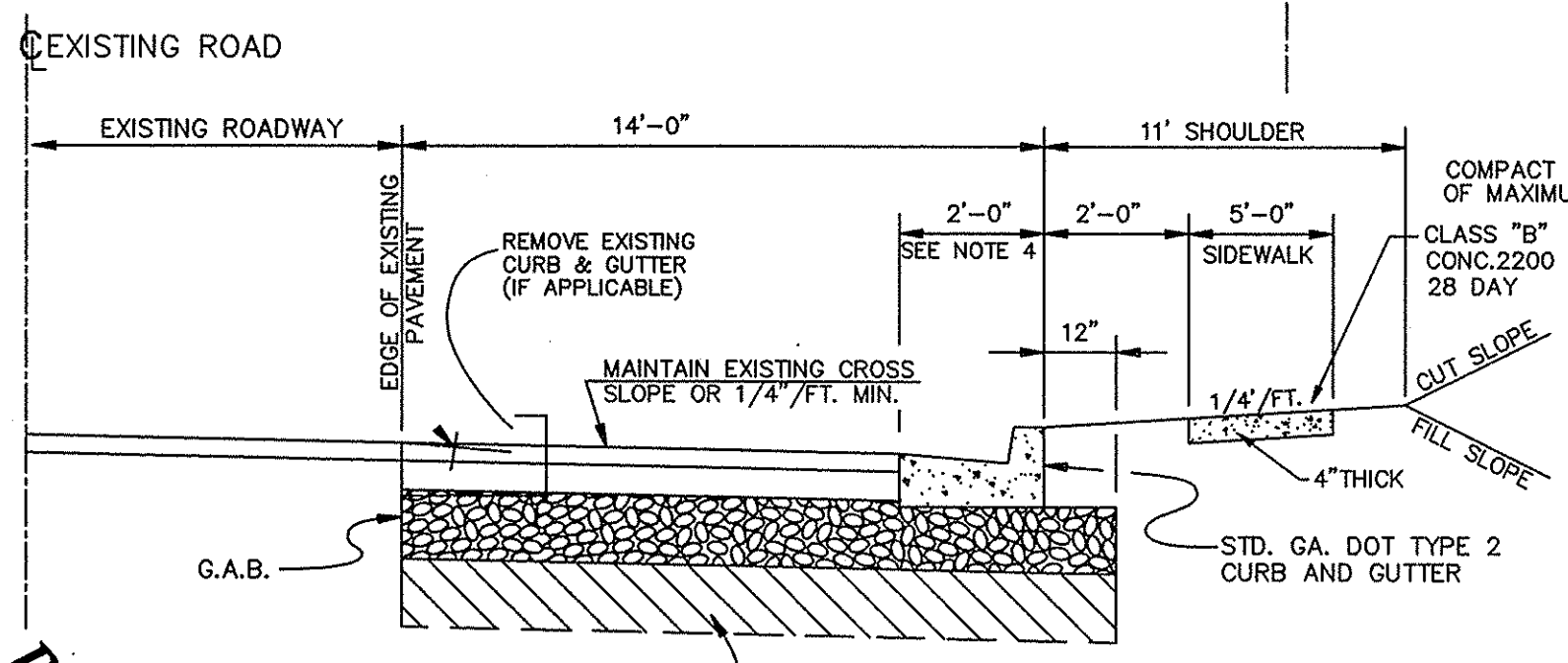


ROAD CLASSIFICATION	PAVEMENT STRUCTURAL SECTIONS			
	G.A.B.	A.C.B.	TYPE "B" A.C.	TYPE "E" OR "F" A.C.
PRINCIPAL ARTERIAL	10"	2-1/2"	2-1/2"	1-1/2"
MAJOR ARTERIAL	10"	-----	4"	1-1/2"
MINOR ARTERIAL	10"	-----	3"	1-1/2"
MAJOR COLLECTOR	10"	-----	3"	1-1/2"
MINOR COLLECTOR	8"	-----	2"	1-1/2"

ABBREVIATIONS
 G.A.B. GRADED AGGREGATE BASE
 A.C.B. ASPHALTIC CONCRETE BASE
 A.C. ASPHALTIC CONCRETE



TYPICAL DECELERATION LANE SECTION FOR ROAD WITHOUT EXISTING CURB AND GUTTER
 N.T.S.



TYPICAL DECELERATION LANE SECTION FOR ROADS WITH EXISTING CURB AND GUTTER
 N.T.S.

Roadway Widening Sections

Note: Sidewalks shall be installed on abutting streets (abutting side) prior to issuance of a Certificate Of Occupancy.

GEORGIA D.O.T. NOTES

THE WORK AUTHORIZED MUST BEGIN WITHIN THREE MONTHS AND BE COMPLETED WITHIN TWELVE MONTHS ON A SCHEDULE SATISFACTORY TO THE DEPARTMENT FROM THE PERMIT APPROVAL DATE AND ALSO, BE COMPLETED BEFORE THIS FACILITY IS OPEN TO THE PUBLIC.

THE FOLLOWING WILL NOT BE ALLOWED ON D.O.T. RIGHT-OF-WAYS: (1) DIVERSION OF ADDITIONAL DRAINAGE AREA ON THE RIGHT-OF-WAY. (2) GRADING EXCEPT AT DRIVEWAY CONSTRUCTION LOCATION. (3) HEADWALLS. (4) SIGN DISPLAYS, DEVICES, AND OTHER STRUCTURES WHICH ARE DESIGNED, INTENDED, OR USED TO ADVERTISE OR INFORM. (5) LANDSCAPING WITHOUT PRIOR APPROVAL OF THE LANDSCAPE PLAN.

ALL EXISTING UTILITIES WHICH WOULD BE UNDER NEW PAVEMENT OR IN ACCELERATION/DECELERATION LANES SHALL BE RELOCATED BEFORE FINAL GRADING OR PAVING AND AT NO COST TO THE D.O.T.

CONSTRUCTION OF EROSION CONTROL BARRIER PER D.O.T. INSPECTOR AND MAINTAIN UNTIL PERMANENT VEGETATION IS ESTABLISHED.

APPLICANT SHALL REGRESS TO D.O.T. SPECIFICATIONS ALL STATE RIGHT-OF-WAY AREA THAT IS DISTURBED DURING WORK AUTHORIZED HEREIN.

THE PERMIT APPLICANT IS RESPONSIBLE FOR REPLACEMENT OF ALL EXISTING PAVEMENT MARKINGS DAMAGED BY THE PERMIT CONSTRUCTION AND THE ADDITION OF NEW PAVEMENT MARKINGS AS SHOWN ON THE APPROVED PLAN.

THE CENTER 4" MOUNTABLE CONCRETE ISLAND SHALL BE PAINTED YELLOW AND THE OUTSIDE LANES SHALL BE PAINTED WHITE.

ALL CURBED ISLANDS SHALL BE FILLED TO THE TOP OF CURB WITH TOP SOIL AND GRAPESS. NOTE: THIS APPROVAL DOES NOT ALLOW ANY WORK ON STATE RIGHT-OF-WAY IN CONNECTION WITH UTILITY LINES (SANITARY SEWER, WATER, TELEPHONE, GAS, ETC.)

REQUIRED PAVEMENT SPECIFICATIONS

ASPHALT CONCRETE "E"	1 1/2
ASPHALT CONCRETE "B"	3
ASPHALT CONCRETE BASE	4
GRADED AGGREGATE BASE COURSE	10

NOTICE

THIS PLAN IS APPROVED ON THE CONDITION THAT THE APPLICANT COMPLY WITH GEORGIA DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION DIVISION, EROSION AND SEDIMENT CONTROL RULES AND REGULATIONS, CHAPTER 391-3-7.

THIS PERMIT IS APPROVED SUBJECT TO THE REVISIONS AND COMMENTS SHOWN IN RED ON THE ATTACHED PLAN COPY AND SHALL REMAIN DEPENDENT UPON COMPLIANCE WITH THESE.

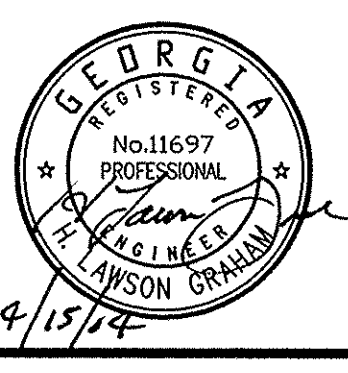
NO WORK WILL BE ACCOMPLISHED UNDER THIS PERMIT PRIOR TO THE ACCEPTANCE OF CURRENT HIGHWAY CONSTRUCTION PROJECTS WITHOUT APPROVAL OF THE PRIME CONTRACTOR.

ALL CONSTRUCTION UNDER THIS PERMIT MUST BE COMPLETE BEFORE THIS FACILITY IS OPEN TO THE PUBLIC. THE MAINTENANCE OF THE DRIVEWAY FROM THE NORMAL EDGE OF PAVEMENT IS THE RESPONSIBILITY OF THE PERMITTEE.

ALL SIGNING & SAFETY REQUIREMENTS PER M.U.T.C.D.

Approval of these plans does not constitute approval by Gwinnett County of any land disturbing activities within wetland areas. It is the responsibility of the property owner to contact the appropriate regulatory agency for approval of any wetland area disturbance.

NO.	DATE	REVISION	BY
2	4/04/04	PER GOVERNMENT REVIEW	TD
1	1/14/03	PER GOVERNMENT REVIEW	REY/TC



H L G

GRADING, SEWER AND WATER LINE PLAN

PATTERSON WALK

GWINNETT COUNTY, GEORGIA
 H. LAWSON GRAHAM & ASSOCIATES, INC.
 ENGINEERS AND SURVEYORS
 3682 WHEELER ROAD (706)733-7333 AUGUSTA, GA. 30909

DESIGNED	DRAWN	CHECKED	APPROVED
T.C.	T.C.	HLG	HLG

SCALE: 1" = 30'
 DATE: OCT. 2003
 JOB NO.: 03-230
 DRAWING NO.: 3