

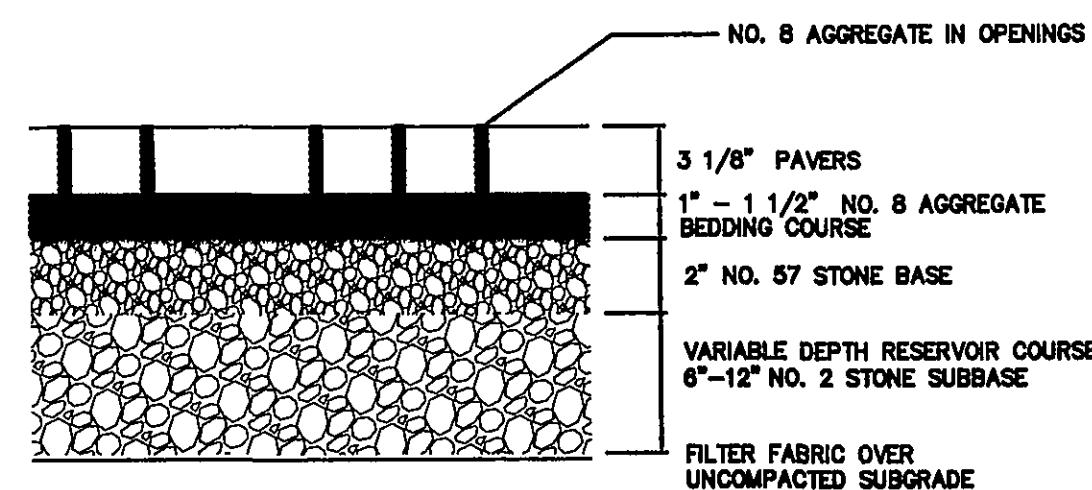


1. WALL DESIGNER SHALL PROVIDE TO THE OWNER DESIGN DRAWINGS FOR THE RETAINING WALLS. SUCH DRAWINGS TO INCLUDE TYPE AND STYLE. DRAWINGS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF VIRGINIA. WALL DETAILS AND PROFILES SHOWN IN THESE PLANS ARE FOR SCHEMATIC DETAIL ONLY. LUNSDEN ASSOCIATES ASSUMES NO RESPONSIBILITY OR LIABILITY RELATING TO FAILURES RESULTING FROM SAME.

2. A QUALIFIED GEOTECHNICAL ENGINEER SHOULD MONITOR THE INSTALLATION OF THE RETAINING WALLS AND THE CONSTRUCTION OF THE CUT AND FILL SLOPES TO INSURE ADEQUATE SOIL COMPACTION, TESTING, STABILIZATION, SLOPE STABILITY, AND STRUCTURAL INTEGRITY, ETC. GEOTECHNICAL ENGINEER SHALL BE LICENSED AS A PROFESSIONAL ENGINEER IN THE STATE OF VIRGINIA.

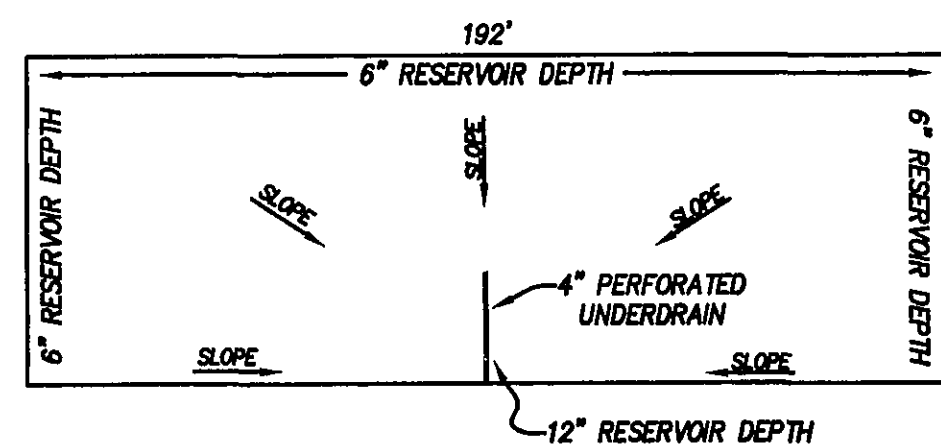
RETAINING WALL

NO SCALE



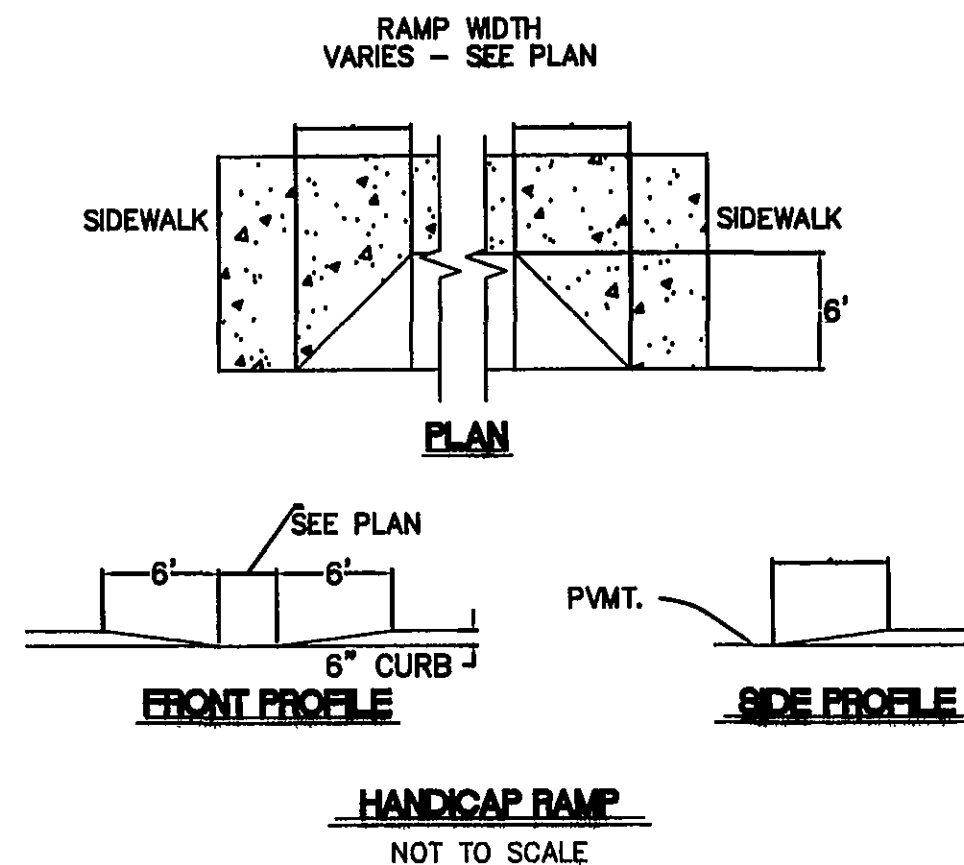
TYPICAL CROSS SECTION OF CONCRETE PAVER INSTALLATION

NO SCALE



PERMEABLE PAVEMENT RESERVOIR COURSE DEPTH DETAIL

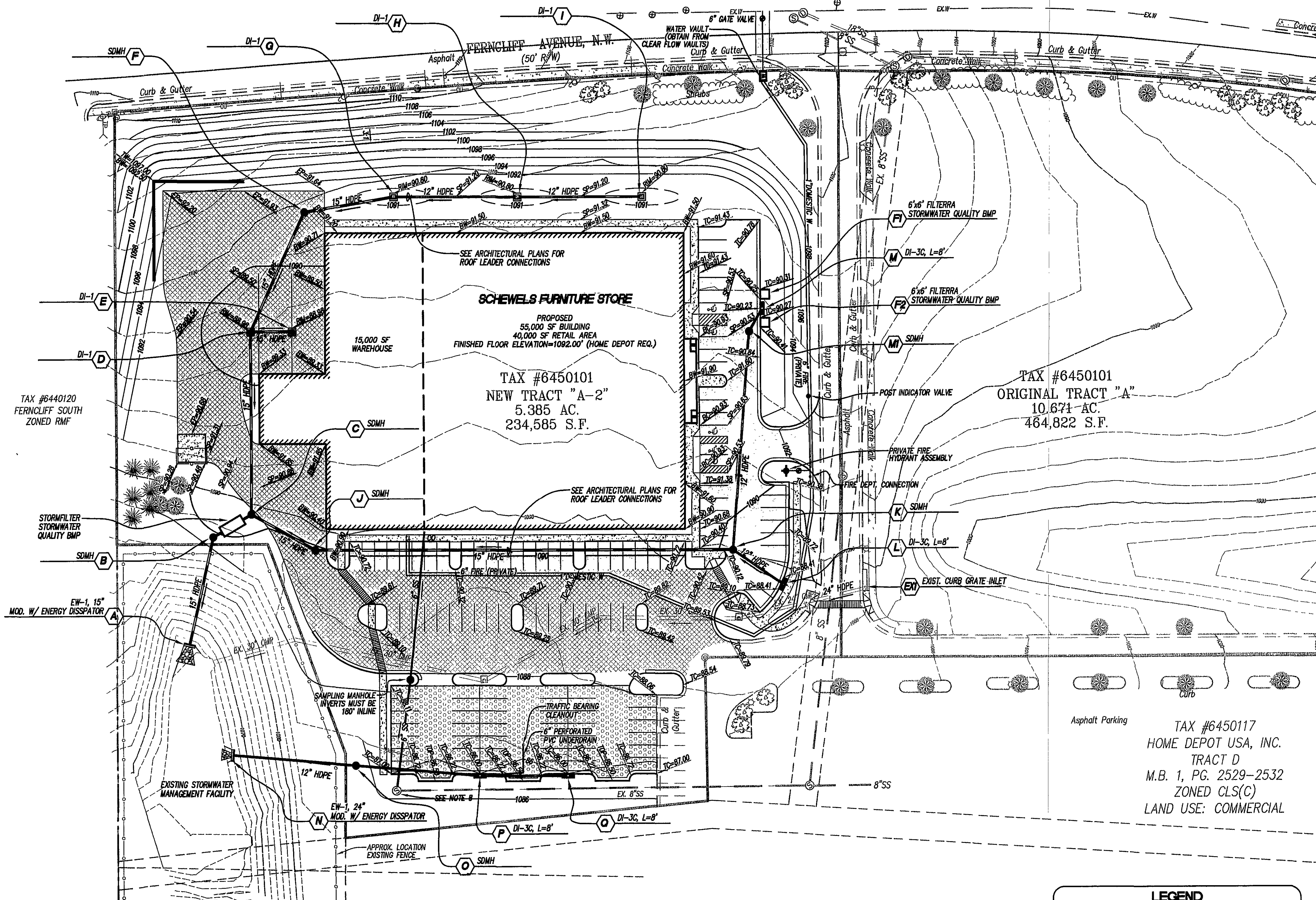
NO SCALE



HEAVY DUTY PAVEMENT STRUCTURE DETAIL

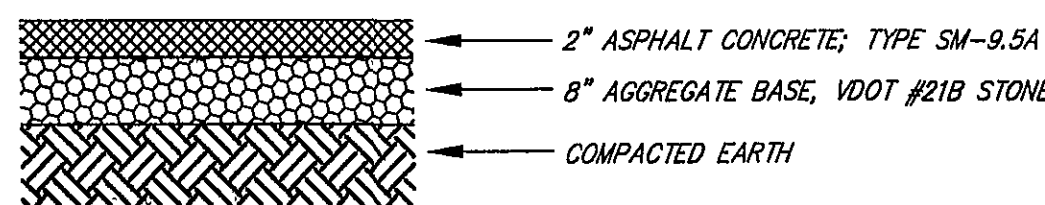
NO SCALE

TAX #6460102
CITY OF ROANOKE SCHOOL BOARD
ZONED INPUD
LAND USE: INSTITUTIONAL



PAVEMENT NOTES:

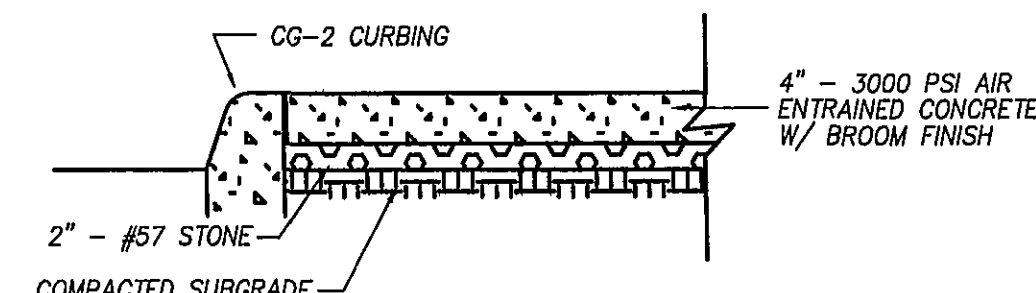
1. THE SIZE 21B AGGREGATE SHALL BE PRIMED WITH APPROXIMATELY 0.35 GAL/SY OF RC-250 ASPHALT AND COVERED WITH 16 TO 18 LBS/SY OF SIZE 8-P AGGREGATE BEFORE PLACING SM-9.5A FOR STANDARD PAVEMENT ONLY.



PAVEMENT DETAIL

NO SCALE

NOTE: CONTRACTION JOINTS @ 4' O.C.
EXPANSION JOINTS MAX. 30' APART

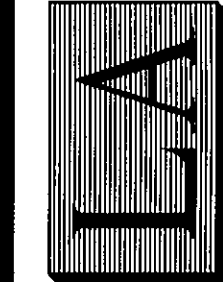


CONCRETE WALK

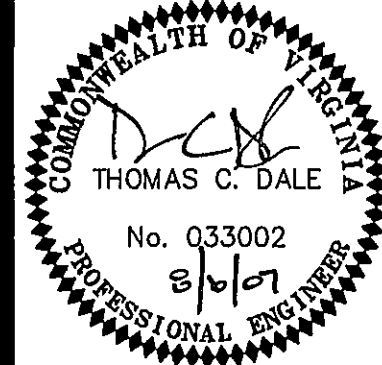
LEGEND

ITEM	EXISTING	PROPOSED
Pavement		
Concrete Curb and Gutter		
Storm Drain Line	—EX. 24" CONC.—	—24" CONC.—
Sanitary Sewer Manhole	⊙	●
Sanitary Sewer Line	—	—
Waterline	—	—
Light Pole	☆	★
Overhead Electric Line	—EX. OHE—	—OHE—
Overhead Telephone Line	—EX. OHT—	—OHT—
Index Contours	—1020—	—1020—
Intermediate Contours	—1018—	—1018—
Top of Curb spot elevation		TD=0.00'
Top of Wall spot elevation		TW=0.00'
Bottom of Wall spot elevation		BW=0.00'
Spot elevation		SE=0.00'

**LUMSDEN ASSOCIATES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
ROANOKE, VIRGINIA**



4664 BRAMBLETON AVENUE
P.O. BOX 20669
ROANOKE, VIRGINIA 24018



GRADING PLAN

SCHEWELS FURNITURE STORE
PREPARED FOR
SCHEWEL FURNITURE COMPANY
THE CITY OF ROANOKE, VIRGINIA

REVISIONS		
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

DATE: August 6, 2007

SCALE: 1"=40'

COMMISSION NO: 06-034

SHEET 4 OF 9