



PAVEMENT DETAILS

1. DETAILS ARE DOLLAR GENERAL STANDARD REQUIREMENTS AND MAY INCREASE OR DECREASE WITH VARIOUS SOIL CONDITIONS. A GEOTECHNICAL INVESTIGATION WITH PAVEMENT DESIGN RECOMMENDATIONS SHALL BE COMPLETED FOR EACH DEVELOPMENT. THE FOLLOWING DETAILS ARE MINIMUM DOLLAR GENERAL PAVEMENT REQUIREMENTS.

2. THE SUBGRADE MATERIALS SHALL BE PROOF ROLLED AND/OR SCARIFIED AND COMPACTED PRIOR TO PLACEMENT OF BASE MATERIAL. WHERE EXISTING SUBGRADE MATERIALS ARE UNSUITABLE, THEY SHALL BE REMOVED AND REPLACED WITH COMPACTED SELECT MATERIAL IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS.

3. HEAVY DUTY CONCRETE PAVEMENT AND STANDARD DUTY CONCRETE PAVEMENT (AS RECOMMENDED BY THE GEOTECHNICAL REPORT OR DOLLAR GENERAL MINIMUMS) SHALL BE STEEL REINFORCED. REINFORCEMENT TYPE SHALL BE PRIOR APPROVED BY DOLLAR GENERAL.

4. CONCRETE PAVEMENT PLAN SHALL BE PROVIDED TO DOLLAR GENERAL FOR PRIOR APPROVAL. ALL JOINTS MUST BE SEALED WITH AN APPROVED SEALANT. STEEL REINFORCING SHALL BE USED AT JOINTS. REFER TO ACI 308R (GUIDE FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS) FOR JOINT DESIGN AND LAYOUT.

ASPHALT PAVEMENT

1 1/2" ASPHALT WEARING COURSE

1 1/2" ASPHALT BINDER COURSE

6" COMPACTED AGGREGATE BASE

COMPACTED SUB GRADE

STANDARD DUTY ASPHALT DETAIL

SCALE: NOT TO SCALE

HEAVY DUTY ASPHALT DETAIL

2" ASPHALT WEARING COURSE

2" ASPHALT BINDER COURSE

8" COMPACTED AGGREGATE BASE

COMPACTED SUB GRADE

CONCRETE PAVEMENT

REINFORCING AS RECOMMENDED BY GEOTECHNICAL CONSULTANT (RE: NOTE 3 ABOVE)

5" 3,000 PSI CONCRETE

4" COMPACTED AGGREGATE BASE

COMPACTED SUB GRADE

STANDARD DUTY CONCRETE DETAIL

SCALE: NOT TO SCALE

REINFORCING AS RECOMMENDED BY GEOTECHNICAL CONSULTANT (RE: NOTE 3 ABOVE)

6" 3,000 PSI REINFORCED CONCRETE

6" COMPACTED AGGREGATE BASE

COMPACTED SUB GRADE

HEAVY DUTY CONCRETE DETAIL

SCALE: NOT TO SCALE

R.O.W. HEAVY DUTY PAVEMENT

2" VDOT STD SM-9.5 BITUMINOUS SURFACE COURSE

6" VDOT STD BM-25 BITUMINOUS BASE COURSE

8" VDOT STD 21B AGGREGATE BASE COURSE

PAVEMENT SECTION "R.O.W. HEAVY DUTY"

N.T.S.

CONCRETE PAVING NOTES:

1. CONCRETE SIDEWALKS SHALL BE 4" THICK OF 4000 PSI P/C CONCRETE OVER 6" COMPACTED VDOT 21B STONE BASE ON SUBGRADE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.

2. CONCRETE PROPANE AND DUMPSTER PAD & APRON SHALL BE 6" THICK OF 4000 PSI P/C CONCRETE WITH 6"x6"x1.4 WWR OVER 6" COMPACTED VDOT 21B STONE BASE ON SUBGRADE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.

CONCRETE RECOMMENDATIONS

6" 4,000 PSI TYPE I CONCRETE

4" VDOT STD 21B AGGREGATE BASE COURSE

CONCRETE SECTION "LOADING AREA"

N.T.S.

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.

APPROVED: ENGINEERING

DATE

APPROVED: PLANNING

DATE

LE&D

PROFESSIONALS, P.C.

RIVER RUN EXECUTIVE OFFICES

SUITE-B

110 EXCHANGE STREET

DANVILLE, VA. 24541

N.C. LICENSE: # C-2577

V.A. LICENSE: # 0404-001401

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PROPOSED DOLLAR GENERAL

JMB INVESTMENT COMPANY, LLC

1340 ROANOKE ST, CHRISTIANSBURG, VA

SITE PLAN

COMMONWEALTH OF VIRGINIA

RYAN WILLIAM GATEWOOD

Lic. No. 055108

11/1/23

PROFESSIONAL ENGINEER

REVISIONS	DATE	DESCRIPTION	BY
1	6-30-23	TOWN SUFFICIENCY REVIEW COMMENTS	ALLM
2	8-25-23	TOWN COMMENTS	ALLM
3	10-4-23	TOWN COMMENTS	ALLM
4	11-1-23	TOWN COMMENTS	ALLM

Sheet No. **5** of **24**

Date: JUNE 9, 2023

Scale: 1"=20'

Project No.

F-23-009-PLAN-1