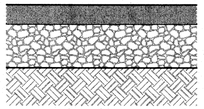
## STANDARD PAVEMENT

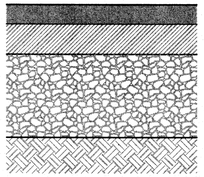


2" V.D.O.T. SM-9.5A ASPHALT SURFACE COURSE

8" V.D.O.T. 21B AGGREGATE BASE

WELL-COMPACTED SUBGRADE

## HEAVY-DUTY PAVEMENT



2" V.D.O.T. SM-9.5A ASPHALT SURFACE COURSE

3.5" V.D.O.T. BM-25.0 ASPHALT BASE COURSE

8" V.D.O.T. 21B AGGREGATE BASE

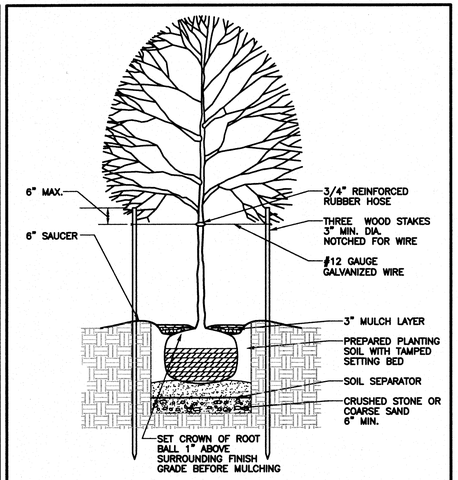
WELL-COMPACTED SUBGRADE

**NOTE:**

THESE PAVEMENT SECTIONS HAVE NOT BEEN DESIGNED FOR THIS SPECIFIC PROJECT AND SOIL BASED ON PROJECT-SPECIFIC PAVEMENT LOADING INFORMATION; THEY ARE TYPICAL PAVEMENT SECTIONS FOR THIS REGION AND FOR THE ASSUMED USAGE

NO SCALE GNI-4006

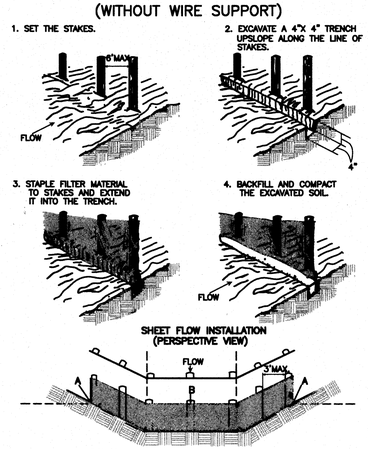
## TYPICAL PAVEMENT SECTION




NO SCALE GNI-5001

## TREE PLANTING

## (WITHOUT WIRE SUPPORT)




NO SCALE

## CONSTRUCTION OF A SILT FENCE

SOURCE: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, VA. DSWC Sherwood & Wyatt PLATE. 3.05-2

## PERMANENT SEEDING MIXTURE

**TYPE A**

15 OCTOBER TO 1 FEBRUARY
K-31 FESCUE @ 5 LB / 1000 SF
BORZY WINTER RYE @ 1/2 LB/1000 SF

1 FEBRUARY TO 1 JUNE
K-31 FESCUE @ 5 LB / 1000 SF
ANNUAL RYE @ 1/2 LB / 1000 SF

1 JUNE TO 1 SEPTEMBER
K-31 FESCUE @ 5 LB / 1000 SF
GERMAN MILLET @ 1/2 LB / 1000 SF

1 SEPTEMBER TO 15 OCTOBER
K-31 FESCUE @ 5 LB / 1000 SF
ANNUAL RYE @ 1/2 LB / 1000 SF

**TYPE B (SLOPES 3:1 OR STEEPER)**

| | |
|---|---|
| KENTUCKY 31 FESCUE | @ 108 LB/AC |
| RED TOP | @ 2 LB/AC |
| SEASONAL NURSE CROP* | @ 20 LB/AC |
| CROWNVETCH** | @ 20 LB/AC |

*USE SEASONAL NURSE CROP IN ACCORDANCE WITH SEEDING DATES AS STATED BELOW:

| | |
|---|---|
| MARCH–MAY 15TH | ANNUAL RYE |
| MAY 16TH–AUG 15TH | FOXTAIL MILLET |
| AUG 16TH–OCT | ANNUAL RYE |
| NOV–FEB | WINTER RYE |

**IF FLATPEA IS USED, INCREASE TO 30 LB/AC. ALL LEGUME SEED MUST BE PROPERLY INOCULATED. WEEPING LOVEGRASS MAY ALSO BE INCLUDED IN ANY SLOPE OR LOW-MAINTENANCE MIXTURE DURING WARMER SEEDING PERIODS; AD 10-20 LB/AC IN MIXES.

LIME: 90 LB/1000 SF OF PULVERIZED AGRICULTURAL GRADE LIMESTONE (2 TONS/ACRE)

FERTILIZER: 23 LB/1000 SF OF 10-20-10 OR EQUIVALENT NUTRIENTS (1000 LB/ACRE)

MULCH: IF REQUIRED, SHALL BE USED OVER ALL SEEDED AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 1.75 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

SOIL CONDITIONING: INCORPORATION OF LIME AND FERTILIZER, SELECTION OF CERTIFIED SEED, MULCHING, MAINTENANCE OF NEW SEEDLINGS, AND RESEEDING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. ADDITIONAL SEEDING TO BE PERFORMED AS REQUIRED BY THE INSPECTOR.

SEED APPLICATION: APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER ON A FIRM, FRIABLE, SEEDBED. MAXIMUM SEEDING DEPTH SHALL BE 1/4 INCH.

PS

## SEEDING SCHEDULE

## ABBREVIATIONS:

AC.=ACRE(S)
APPROX.=APPROXIMATE
BLDG.=BUILDING
BW=BOTTOM OF WALL
C/O=CARE OF
CONC.=CONCRETE
D.B.=DEED BOOK
DR.=DRIVE
D.S.=DOWN SPOUT
E.M.=ELECTRIC METER
F.F.=FINISHED FLOOR
FND.=FOUND
G.M.=GAS METER
INST.=INSTRUMENT
LOC.=LOCATION
NO./#=NUMBER
P.B.=PLAT BOOK
PG.=PAGE
REV.=REVISED
RTE.=ROUTE
R/W=RIGHT-OF-WAY
ST.=STREET
STY.=STORY
TW=TOP OF WALL
U.P.=UTILITY POLE
U.S.=UNITED STATES
W/=WITH
±=PLUS OR MINUS
&=AND
@=AT

## LEGEND:

PROPERTY LINE
SETBACK
VACATED/RELOCATED LINE
TRACT LINE
EXISTING EDGE OF PAVEMENT
PROPOSED CONCRETE

## GENERAL NOTES:

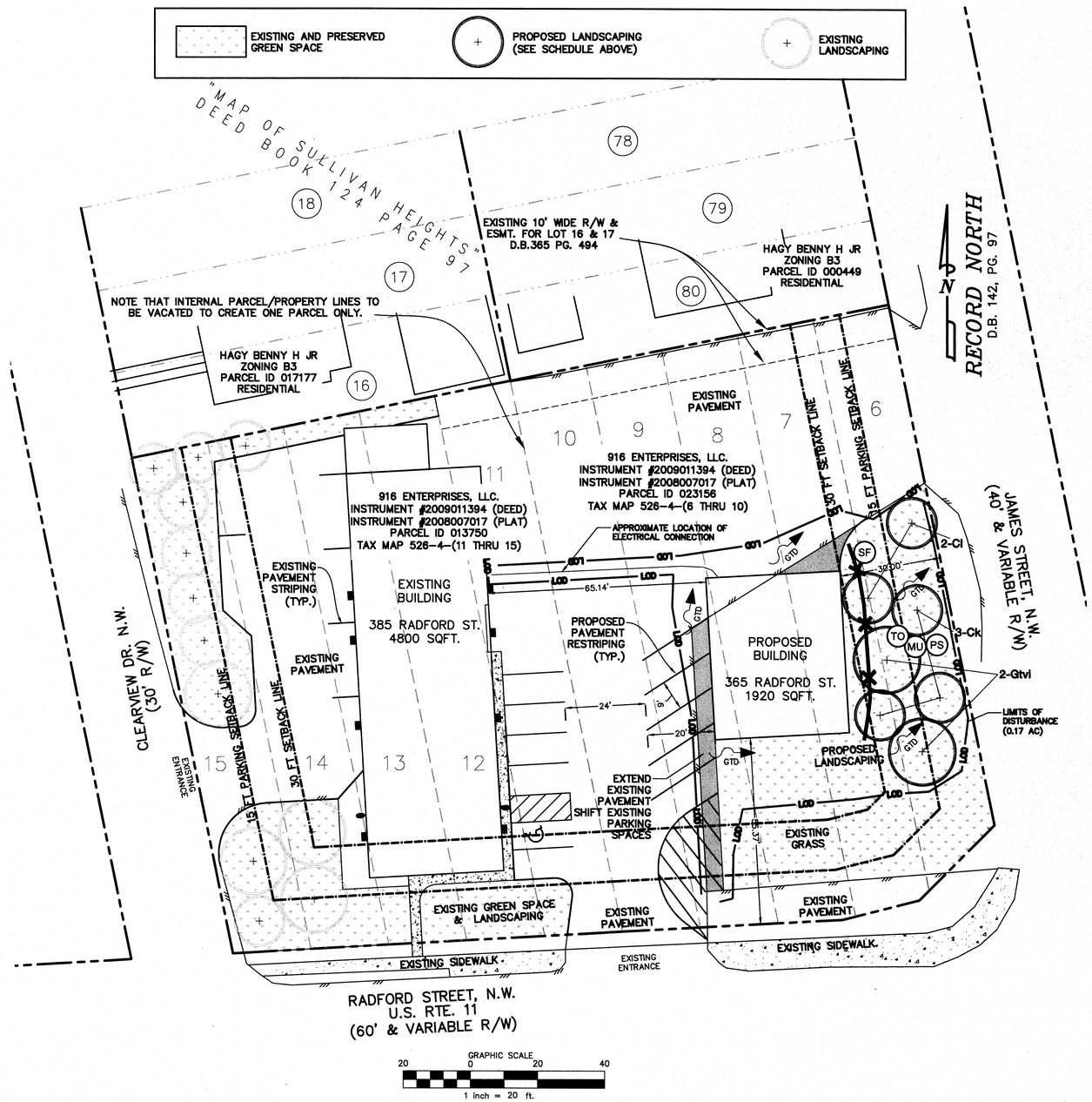
1. GRADE AREA AROUND BUILDING TO MATCH EXISTING DRAINAGE PATTERNS. PROVIDE POSITIVE DRAINAGE AT A MINIMUM OF 1% SLOPE AROUND THE BUILDING TO ENSURE ALL STORMWATER FLOWS AWAY FROM THE PROPOSED BUILDING. SEE LOCATION OF GRADE TO DRAIN (GTD) LINES ON PLANS.
2. IT IS THE BUILDING CONTRACTORS RESPONSIBILITY TO MEET SPECIFIC BUILDING CODE REQUIREMENTS REGARDING DRAINAGE AROUND THE PROPOSED BUILDING. ADDITIONALLY, CONTRACTOR SHALL VERIFY SLOPES AROUND THE BUILDING PRIOR TO INSTALLATION, SEE BUILDING CODE SECTION R401.3 – DRAINAGE.
3. PROVIDE SILT FENCE AND PERMANENT SEEDING. SILT FENCE SHALL BE PLACED IN ACCORDANCE WITH THE MOST RECENT VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. PROVIDE PERMANENT SEEDING, MULCHING AND TOP SOIL ONCE SITE HAS BEEN STABILIZED.

APPROVED: Engineering 12/10/21 Date

APPROVED: Planning 10 Dec 21 Date

## PLANT MATERIALS SCHEDULE

| PLANT SYMBOL | COMMON NAME | LATIN NAME | QUANTITY | SIZE |
|---|---|---|---|---|
| Gtvi | Honeylocust | Gleditsia triancanthos var. inermis | 2 | 6' |
| Ck | Kousa Dogwood | Cornus kousa | 3 | 6' |
| Cl | Leyland Cypress | Cupressocyparis leylandii | 2 | 6' |





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# SITE DEVELOPMENT WAREHOUSE FACILITY

TOWN OF CHRISTIANSBURG

COMMONWEALTH OF VIRGINIA
TIMOTHY DARRELL GUTHRIE
Lic. No. 36578
12/9/21
PROFESSIONAL ENGINEER

| NO. | COMMENTS | DATE |
|---|---|---|
| | | |

| | |
|---|---|
| PIC | JTN |
| PM | TDG |
| DESIGN | TDG |

11/05/21

2144

SITE PLAN



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