

SECTION 32 16 23_Sidewalks, Pedestrian Paths

University
Contact:

*UD Assistant Director of
Grounds: Office (302) 831-2797
UD Landscape Planner:
Office (302) 831-1817*

PART 1 – GENERAL

Information in this Section is to be followed unless otherwise directed by University of Delaware (UD) Owner Representative and UD Grounds Representative (Assistant Director of Grounds or Landscape Planner).

1.1 SUMMARY

- A. This section contains information regarding all types of pedestrian paths on campus, some of which double as fire lanes and need to support the weight of emergency vehicles.

1.2 RELATED DOCUMENTS AND REFERENCES

- A. For heavy use areas, refer to: 4E_DIVISION_32_Bases, Ballasts and Paving_Vehicular (heavy traffic for heavier base detail)
- B. If installing Post and Chain fencing into the solder course, refer to: 4E_DIVISION 32_323119_Decorative_Metal_Fences_Gates

1.3 DESIGN REQUIREMENTS

- A. Pedestrian paths should take into consideration use and volume of traffic, including heavy use areas such as locations with fire lane designation and loads associated with emergency vehicles and move-in/ move-out activities. For heavy use areas concrete pavers should be a minimum of 3 1/8" thick and clay pavers should be a minimum of 2 3/4" thick.
- B. Paving contractors should install their own base.
- C. Most pedestrian paths are paved with clay or concrete pavers; some are poured concrete or asphalt.
- D. Pedestrian paths should be a minimum of 6' wide.
- E. Curbing and Edge Restraints:

Edge restraints are to be installed so that turf can be maintained up to the edge of paving, and needs to be strong enough to keep pavers from migrating laterally. Five year warranty required on paving workmanship to ensure stability.

F. Soldier Course or Paving Border:

Soldier course should provide for an 8" x 8" space to install a drilled paver and to enable Post & Chain fence installation into the paver border. All fencing and posts are to be installed within paving to minimize mowing/trimming maintenance.

G. Paver Patterns:

To be installed with approval by the above contacts.
Herring Bone or Basket Weave is recommended.
Do not use Running Bond pattern.
Soldier course to be installed along edge of paving field.

PART 2 – PRODUCTS

2.1 Existing Paver Types and Manufacturers:

Paver type is to be used only with prior approval from University of Delaware contacts listed above. Samples are to be provided for approval prior to installation.

A. **Royale Techo-Bloc**

Size: 12" x 12"
Source: Delaware Brick
Color: Gray

B. **Glen Gery Repressed Paver**

Size 4" x 8" x 6cm w/chamfered edge
Source: Delaware Brick
Color: Cherry

C. **Pine Hall StormPave Pervious Clay Paver**

Size: 4" x 8"
Source: Delaware Brick
Color: Red

D. **Pine Hall English Edge Paver**

Size: 4" x 8"
Source: Delaware Brick
Color: Red

E. **Nominal ADA Pavers**

Size: 12" x 12" x 2 3/8"
Source: Hanover
Color: Red 15 or Charcoal Natural Finish

- F. **Prest®Paver**
Size: 6" x 9"
Source: Hanover
Color: Charcoal Blend Natural Finish

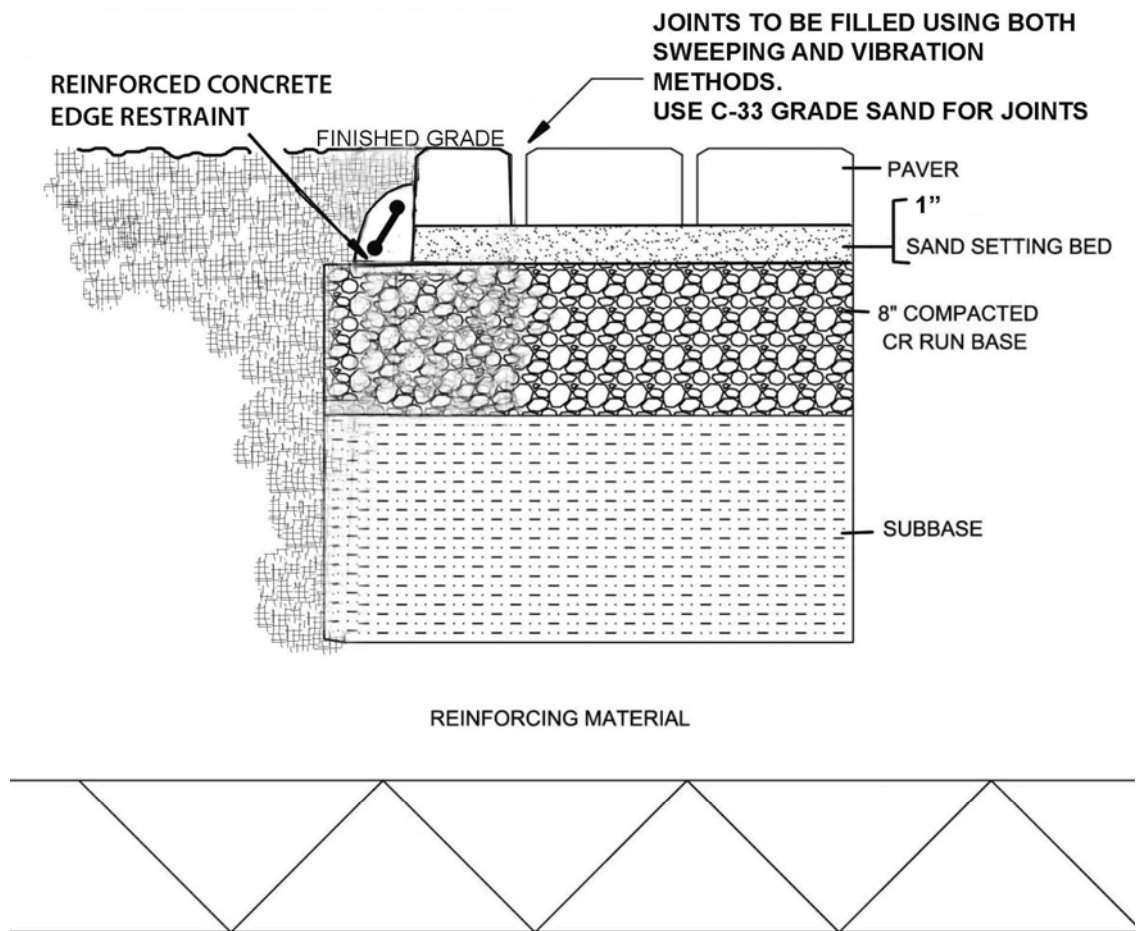
- G. **Holland Paver (by Hanover)**
Size: 4" x 8" x 6cm concrete paver
Source: Hanover
Color: Limestone Gray Natural Finish

- H. **Holland Paver (by Belgard)**
Size: 4" x 8"
Source: Belgard
Color: Burnie Blend/ Liberty Blend (Fountain near Smith/Purnell)
and Regency Blend (Laird Campus)

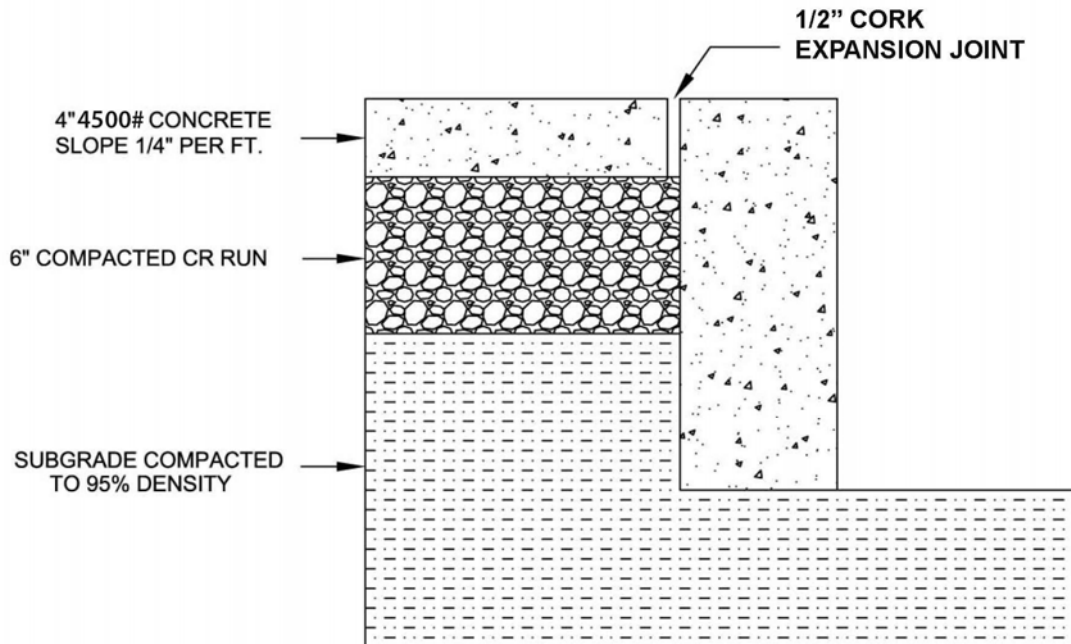
PART 3 – EXECUTION (no content)

PART 4 - ATTACHMENTS

4.1 Paver Cross Section: *(Note: current concrete edge restraint does not enable adequate space to support turf above the concrete, resulting in lawn dead zones. Suggestions from Contractors for alternative edge restraints are welcome to help alleviate this issue; however, installation of alternative edge restraints are to be done only with prior approval from UD Assistant Director of Grounds and UD Landscape Planner).*



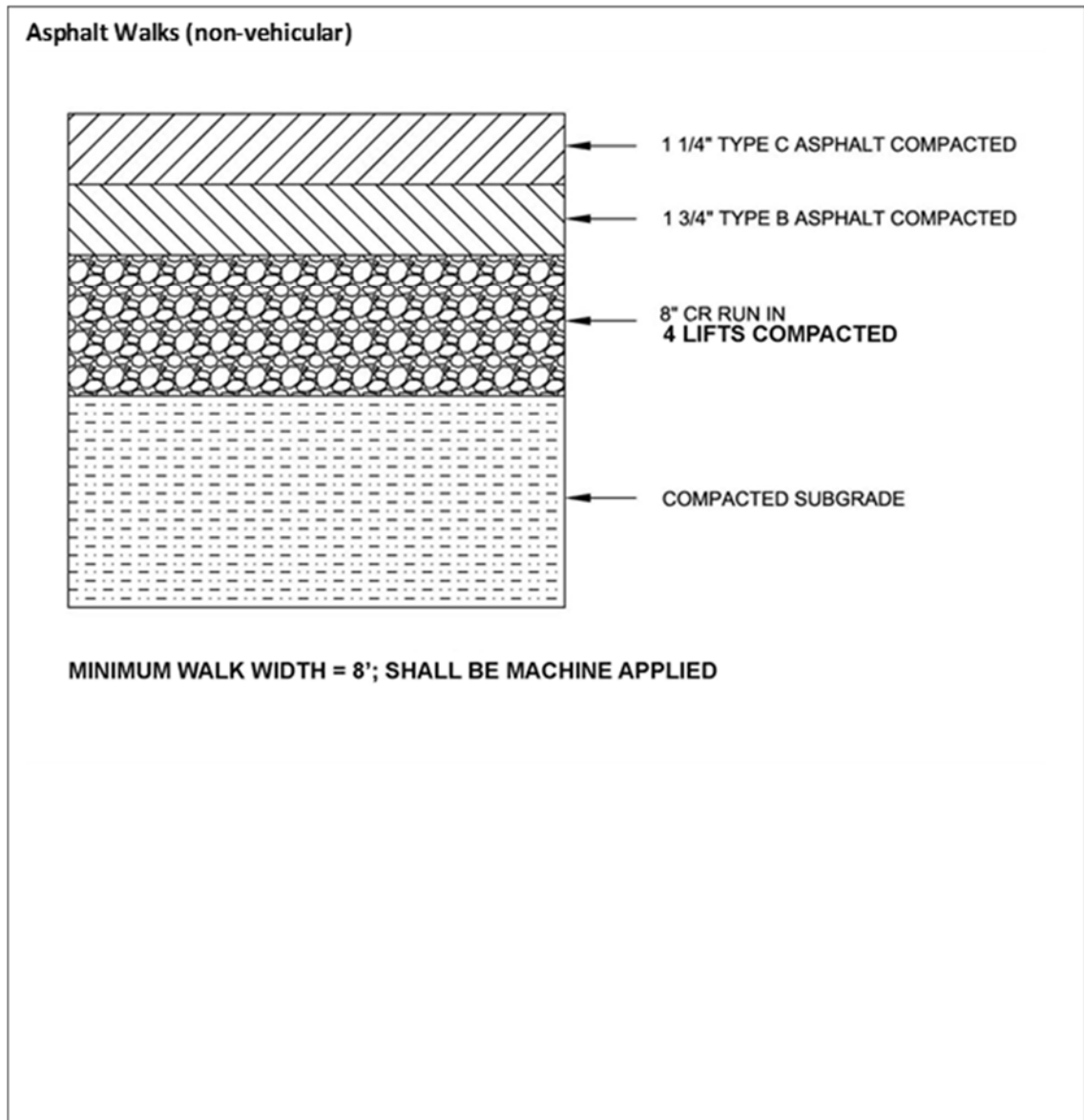
4.2 Concrete Walks – Section



SIDEWALKS:

1. SHALL BE BUILT IN ACCORDANCE WITH THE CITY OF NEWARK SPECIFICATIONS
2. SHALL BE A MINIMUM OF 6' WIDE.

4.3



NOTE:

1. Hand-finished or hand-applied asphalt shall be raked out to an acceptable finish, to be reviewed in the field by UD contacts listed above.
2. Surface shall be free of dips, valleys or puddling greater than the thickness of a penny.

END OF SECTION