CONCRETE CURB SET 1/4" BELOW
TOP OF PAVERS AND CONTROL JOINTS @ 15' OC

PAVER - 2 3/8" MIN. THICKNESS

1" TO 1 1/2" BEDDING SAND

COMPACTED AGGREGATE BASE
6" MIN. DEPTH

GEOTEXTILE AS REQUIRED
TURN UP AT SIDES TO COVER BASE

COMPACTED SUBGRADE

12" WIDE GEOTEXTILE ALONG PERIMETER
TURN UP AT CURB (DO NOT COVER TCP OF BASE)

NOTES:
1. THICKNESS OF AGGREGATE BASE WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE.
2. PAVERS SHOULD BE PLACED ON A CEMENT TREATED BASE IF SOIL IS EXTREMELY WEAK OR CONSTANTLY SATURATED. PAVERS CAN BE OVERLAID OR INLAID ON EXISTING ASPHALT OR CONCRETE DRIVEWAYS.
3. PLASTIC, STEEL, ALUMINUM OR PRECAST CONCRETE EDGING MAY BE USED.
CONCRETE CURB SET 1/4" BELOW TOP OF PAVERS AND CONTROL JOINTS @ 15' ON CENTER

PAVER - 2 3/8" MIN. THICKNESS

1" TO 1 1/2" BEDDING SAND

COMPACTED AGGREGATE BASE 4" MIN. THICKNESS

COMPACTED SOIL SUBGRADE

NOTE:

1. THICKNESS OF BASE WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE.
MIN. 6" WIDE x 12" DEEP CONCRETE CURB
SET 1/4" BELOW TOP OF PAVERS
AND CONTROL JOINTS @ 15' OC

PAVER - 2 3/8" MIN. THICKNESS

1" TO 1 1/2" BEDDING SAND

12" WIDE GEOTEXTILE ALONG PERIMETER
TURN UP AT CURB (DO NOT COVER TOP OF BASE)

CONCRETE/ASPHALT BASE
4" MIN. THICKNESS FOR CONCRETE
3" MIN. THICKNESS FOR ASPHALT

COMPACTED SUBGRADE

2" DIA. DRAIN HOLE FILLED WITH PEA GRAVEL
LOCATE AT LOWEST ELEVATIONS

NOTE:

1. THICKNESS OF AGGREGATE BASE WILL VARY WITH SUBGRADE CONDITIONS AND
   CLIMATE.

NOT TO SCALE
**NOTE:**

1. Drain bedding sand of excess moisture through pavement at lowest point or at catch basin.
CONCRETE CURB AND FOUNDATION
PER TOWN STANDARDS

PAVERS - 3 1/8" MIN. THICKNESS
2 3/8" MIN. THICKNESS FOR
RESIDENTIAL DRIVEWAYS

1" TO 1 1/2" BEDDING SAND

GEOTEXTILE

EXISTING ASPHALT/CONCRETE PAVEMENT

EXISTING ACCRETION BASE

EXISTING SOIL SUBGRADE

2" DIA. DRAIN HOLE-FILL WITH
PEA GRAVEL. LOCATE AT LOWEST ELEVATIONS.

NOTE:
1. DRAIN BEDDING SAND OF EXCESSIVE MOISTURE THROUGH PAVEMENT AT LOWEST
POINTS AS SHOWN OR AT CATCH BASINS.
NOTE:
1. USE OF MORTAR IS NOT RECOMMENDED IN PLACE OF ADHESIVE.
NOTES:
1. DRAIN MAY BE NECESSARY IN SLOW DRAINING SUBGRADE.
2. BASE THICKNESS VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE CONDITIONS. COLDER CLIMATES AND WEAK SOILS MAY REQUIRE THICKER BASES.
3. DO NOT COVER ENTIRE TOP OF AGGREGATE BASE WITH GEOTEXTILE.
NOTE:
1. DRAIN MAY BE NECESSARY IN SOIL SUBGRADE.
NOTES:

1. BASE THICKNESS VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE CONDITIONS.

2. CONCRETE CURBS DO NOT DEFLECT TO THE SAME DEPTH AS PAVERS OR EXISTING ASPHALT. THIS DETAIL IS NOT RECOMMENDED FOR OTHER THAN LOW VOLUME RESIDENTIAL STREETS.

3. THICKENING ASPHALT PAVEMENT ADJACENT TO CONCRETE CURB IS RECOMMENDED.
NOTES:
1. BASE THICKNESS VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE CONDITIONS.
2. CONCRETE BASE MINIMUM 2% SLOPE FROM CENTERLINE TO CURB.
3. DO NOT USE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2' FROM TCP OF SUBGRADE. DRAIN TO CATCH BASINS.
NOTES:
1. BASE THICKNESS VARIES W/TRAFFIC, CLIMATE AND SUBGRADE.
2. BOTTOM ELEVATION OF EXISTING ASPHALT PAVEMENT MUST BE EVEN WITH OR BELOW BEDDING SAND.
3. CONCRETE BEAMS AT ENDS OF PAVEMENT MAY BE NECESSARY IF ASPHALT IS SUBJECT TO RUTTING.
4. DO NOT USE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2' FROM TOP OF SUBGRADE. DRAIN TO CATCH BASINS.
12" WIDE GEOTEXTILE TURN UP AGAINST COLLAR

PAVER - 3 1/8" MIN. THICKNESS

REBAR AS REQUIRED

COVER

STRING COURSE OF PAVERS AROUND COLLAR

CONCRETE COLLAR MIN. 8" WIDE ELEVATION TO BE 1/4" BELOW PAVERS

1" TO 1 1/2" BEDDING SAND

CONCRETE BRICK AS REQUIRED

CONCRETE UTILITY STRUCTURE

SECTION A-A

NOT TO SCALE
CONCRETE COLLAR MIN. 8" WIDE X 8" DEEP ELEVATION TO BE 1/4" BELOW PAVERS

PAVER 3 1/8" MIN. THICKNESS
1" TO 1 1/2" BEDDING SAND
12" WIDE GEOTEXTILE TURN UP AGAINST COLLAR

SECTION A-A

GEOTEXTILE AS REQUIRED
BASE MATERIAL

SUBGRADE

VARES
CONCRETE COLLAR

GRATE & FRAME

REBAR

STRING COURSE OF PAVERS AROUND COLLAR

CONCRETE COLLAR MIN. 8" WIDE ELEVATION TO BE 1/4" BELOW PAVERS

3 1/3 PAVERS
1" TO 1 1/2" BEDDING SAND

BASE MATERIAL

GEOTEXTILE

REBAR

12" WIDE GEOTEXTILE TURN UP AGAINST COLLAR

COMPACTED SOIL SUBSURFACE

CONCRETE CATCH BASIN PER TOWN STANDARD

SECTION A-A

NOTE: SIZE AND REINFORCING OF CONCRETE VARIES WITH TRAFFIC.

TOWN OF PINEVILLE LAND DEVELOPMENT STANDARDS

CATCH BASIN

REV. DATE

STD. NO. REV.

60.16
EXISTING CURB

MINIMUM 2 3/8" THICK PAVERS OVER ROOT ZONE MIN. 1/4" WIDE JOINTS

APPROX. 1" TO 1 1/2" BEDDING SAND

GEOTEXTILE

LAVA SLAG WITH TREE PIT SOIL MIX 2 TO 1 IN ROOT ZONE

TREE

TREE GRATE

WASHED AGGREGATE

GEOTEXTILE

TREE PIT W/PLANTING SOIL (MIN. DEPTH 3')

CONCRETE COLLAR

4" DIA. PERFORATED PLASTIC PIPE WRAPPED W/WASHED AGGREGATE AND FILTER FABRIC. DRAIN TO STORM SEWER

12" MIN.

95% COMPACTATION OF SOIL UNDER ROOTBALL

NOT TO SCALE
NOTES:
1. MAXIMUM SLOPE SHOULD NOT EXCEED ANGLE OF REPOSE FOR BEDDING SAND.
2. PROVIDE EDGE RESTRAINTS ON SIDES OF INSTALLATION. ENGINEERING OF THE SEGMENTAL RETAINING WALL IS REQUIRED WHEN HEIGHT EXCEEDS 4'.
NOTE:
1. PAVERS CAN BE LAID WITHOUT ADHESIVE.
PAVERS - 3 1/8" MIN. THICKNESS

1" TO 1 1/2" BEDDING SAND

WOVEN GEOFABRIC

EPOXY GROUT FILLER

STRIP SEAL AT CONSTRUCTION JOINT

WATERPROOF ADHESIVE

WATERPROOF MEMBRANE

PROTECTION BOARD 1/4" MIN.—AS REQUIRED

NOT TO SCALE
PAVERS – 3 1/8" MIN. THICKNESS
1" TO 1 1/2" BEDDING SAND
CEOTEXTILE TURN UP AT DRAIN AND ALL VERT. SURFACES
PROTECTION BOARD 1/4" MIN. – AS REQUIRED
RIGID INSULATION
ROOF DRAIN
HOLES FOR DRAINAGE
WATERPROOF MEMBRANE
CONCRETE ROOF DECK – SLOPE TO DRAIN

NOT TO SCALE

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

PARKING GARAGE OVER
INHABITED/ UNINHABITED SPACE - DRAIN

REV. DATE
STD. NO. REV.
60.23
**NOTE:**

1. PROVIDE DRAINAGE OF EXCESS MOISTURE IN BEDDING SAND AT PERIMETER OF STRUCTURAL SLAB.
NOTES:
1. BASE, SUBBASE AND SUBGRADE THICKNESS VARY WITH LOADS, SUBGRADE STRENGTH AND CLIMATE.
2. PAVERS MAY BE INLAID ON EXISTING ASPHALT OR CONCRETE GAS STATION PAVEMENT.
3. SEALING JOINTS OF PAVERS IS RECOMMENDED.
PAVERS - 3 1/8" MIN. THICKNESS

1" TO 1 1/2" BEDDING SAND

GEOTEXTILE TURN UP AT SIDES/EDGES

CEMENT TREATED BASE

COMPACTED AGGREGATE SUB-BASE AS REQUIRED

COMPACTED OR STABILIZED SUBGRADE

NOTE:

1. BASE, SUB-BASE, & SUBGRADE THICKNESS VARY WITH LOADS, SUBGRADE STRENGTH & CLIMATE.
NOTES:
1. EXISTING ASPHALT OR CONCRETE PAVEMENT SHALL BE THOROUGHLY INSPECTED FOR AREAS IN NEED OF PATCHING OR REPLACEMENT. CONDUCT ALL REPAIRS AND FILL ALL CRACKS GREATER THAN 1/4" WIDE PRIOR TO PLACING GEOTEXTILE, SAND AND PAVERS.

2. PROVIDE DRAINAGE OF SAND LAYER THROUGH PEA GRAVEL-FILLED WEEP HOLES OR CATCH BASINS.
NOTE:

1. BASE THICKNESS VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE.

2. MINIMUM BASE THICKNESS:
   - 6" RESIDENTIAL DRIVEWAYS
   - 8" FIRE LINES & PARKING LOTS
PAVER 3 1/8" MIN. THICKNESS
MAX. SLOPE 1 TO 1

TOPSOIL IN OPENINGS FILL
1/2" BELOW SURFACE

VEGETATION

STAKE EVERY 3RD ROW OF GRIDS
W/ 1/2" x 3/8" DIA. STEEL PINS

COMPACTED EMBANKMENT SOIL
FILL OPENINGS ABOVE MEAN WATER LEVEL WITH TOPSOIL AND VEGETATION

PAVERS 3 1/8" MIN. THICKNESS
MAX. SLOPE 1 TO 1
EXTEND MIN. 2 COURSES ABOVE MEAN WATER LEVEL

RIPARIAN VEGETATION

MEAN WATER LEVEL

COMPACTED SUBGRADE

GEOTEXTILE WRAP AROUND TOE ON ALL SIDES

RIPRAP OR CONCRETE TOE AND SDES

NOT TO SCALE
VEGETATION

PAVER 3 1/8" MIN. THICKNESS
MAX. SLOPE 1 TO 1

TOPSOIL IN OPENINGS FILL
1/2" BELOW SURFACE

COMPACTED EMBANKMENT SOIL

NOT TO SCALE