

EROSION & SEDIMENT CONTROL OF SINGLE LOT RESIDENTIAL CONSTRUCTION

When you build a house or develop a single lot, you shall have a Small Lot Erosion & Sediment Control and Access to Public Right-of-Way Permit from the City of Kingsport. To acquire the permit, the owner / developer / builder of the single lot shall complete the application provided by the city's Traffic Division; and comply with the requirements as referenced in this brochure. If you are building more than one house or disturbing more than one acre of land, then call Engineering at 423.229.9475.

SILT FENCE SPECIFICATIONS

Synthetic filter fabric shall be a pervious sheet of propylene, nylon, polyester or ethylene yarn and shall be certified by the manufacturer or supplier. (Type 'B' as described in the TDEC Erosion and Sediment Control Handbook).

CONSTRUCTION ENTRANCE / EXIT

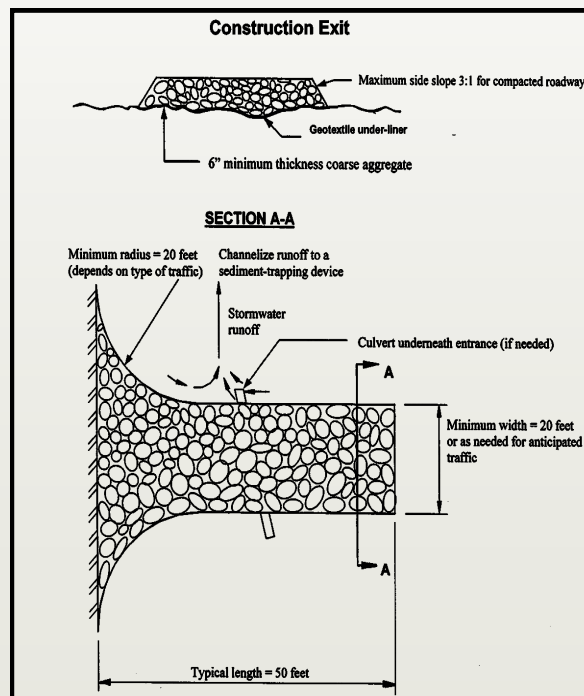
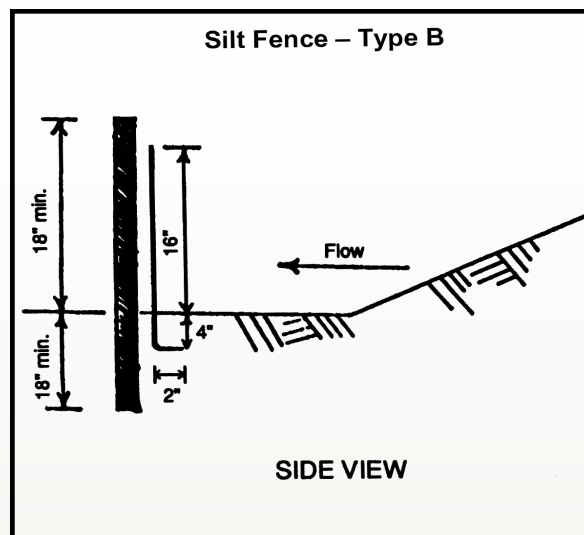
A gravel construction entrance is a pad of crushed stone that reduces the tracking of mud onto a paved street. To construct the pad, place a layer of TDOT designation #1 or #2 stone across the full width of the vehicle ingress and egress area. The stone pad length shall be determined by City staff and at least 6 inches thick. Additional stone may have to be added periodically to maintain the proper functioning of the pad. If the crushed stone does not adequately remove the mud from vehicle wheels, the wheels shall be hosed off before the vehicle enters a public street. The washing shall be done on an area covered with crushed stone.

SITE CONDITIONS

It is the responsibility of the property owner / contractor to ensure all construction debris and waste material be contained on property and disposed of properly.

Remember—

Silt fencing shall be installed on contours;
All erosion prevention and sediment control measures shall be installed and functional prior to land disturbance.



Remember—

Keep the mud/dirt on your site;
Make sure everyone uses the construction exit
even if you have to install barricades.



The Basics For

Access to Public Right-of-Way, Excavation/Drainage/Utility and Erosion & Sediment Control of Single Lot Residential Construction



*The primary purpose of
erosion control is to keep
your dirt on your property*

Permit May Be Obtained By Calling
423.229.9487 Traffic Department

It is the

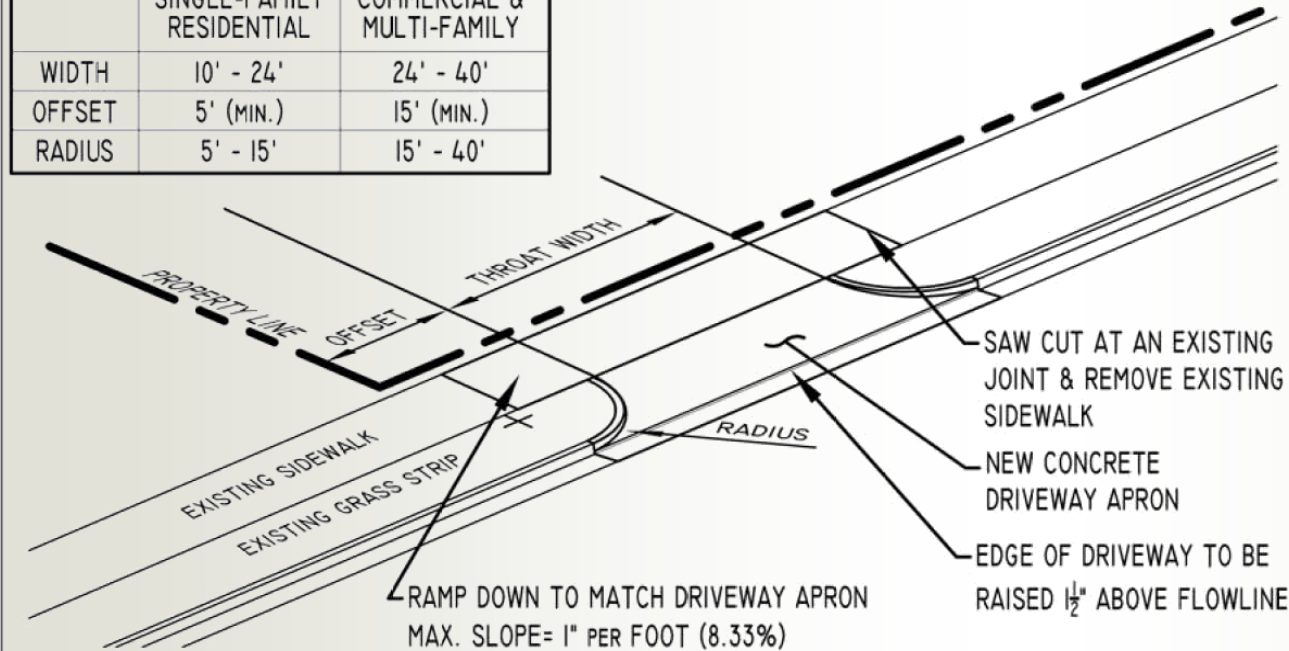
responsibility of the property owner / contractor
to maintain cleanliness of the roadway
at *all* times during *all* phases of construction.

ROW

DRIVEWAYS

DIMENSION KEY

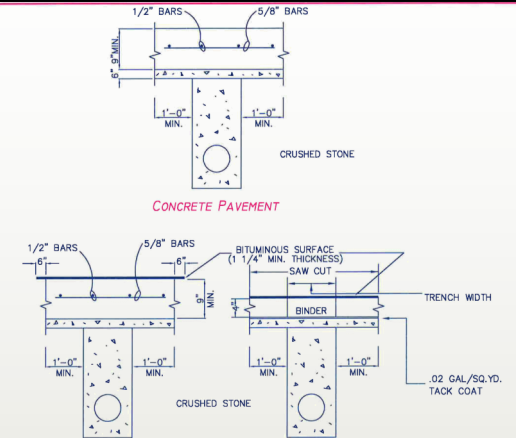
	SINGLE-FAMILY RESIDENTIAL	COMMERCIAL & MULTI-FAMILY
WIDTH	10' - 24'	24' - 40'
OFFSET	5' (MIN.)	15' (MIN.)
RADIUS	5' - 15'	15' - 40'



Driveway Permit

- Driveway shall be constructed from edge of roadway to back of right-of-way
- All driveways shall be a minimum of 5' from all fire hydrants, utility poles or utility equipment, and 6" from any water meter
- Concrete shall be a minimum of 6" thickness and a minimum of 3000 psi in driveway apron / throat / sidewalk
- Adequate sight distance shall be maintained in accordance with latest AASHTO "Green Book"
- Detailed specifications can be obtained by calling 423.229.9487

EXCAVATION / DRAINAGE / UTILITY



BITUMINOUS SURFACE
CONCRETE BASE

BITUMINOUS PAVEMENT

1. ONE-HALF OF THE TRAVELED PORTION OF THE PAVEMENT SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.
2. EXISTING PAVEMENTS, BASES, CURBS AND GUTTERS AND SIDEWALKS SHALL BE CUT AND BROUGHT TO A NEAT LINE BY MECHANICALLY SAWING OR BY USE OF AN AIR HAMMER. EXPANSION JOINTS REMOVED SHALL BE REPLACED.
3. ALL UTILITY CUTS IN A ROADWAY SHALL BE SAW CUT AND BACKFILLED WITH MINERAL AGGREGATE BASE COMMONLY REFERRED TO AS PUG MILL. THE BACKFILLING SHALL BE IN LIFTS WITH SUFFICIENT COMPACTION TO PASS 85% OF SOLID ROCK AS DETERMINED BY AASHTO-T98 (APPROXIMATELY 140 P.C.F.)
4. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ISSUED BY TDOT. ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL BY THE CITY OF KINGSFORT ENGINEERING DEPT.
5. TRENCHES UNDER ROADWAYS SHALL BE BACKFILLED TO THE BASE OF THE PAVEMENT OR A MINIMUM OF 4" BELOW FINISHED GRADE, WHICHEVER IS GREATER, WITH CRUSHED STONE. PAVEMENT SHALL BE REMOVED FOR A MINIMUM OF ONE-FOOT ON EACH SIDE OF THE TRENCH. THE DEPTH OF THE PATCH SHALL BE THE DEPTH OF THE EXISTING PAVEMENT OR 4 INCHES, WHICHEVER IS GREATER. THE PATCH SHALL BE FINISHED SO AS NOT TO LEAVE A BUMP OR DIP IN THE FINISH GRADE. PAVEMENT SHALL BE REPLACED IN KIND AS SHOWN OR AS DIRECTED BY THE CITY OF KINGSFORT ENGINEERING DEPT.

DRAWING TITLE	SCALE	DRAWING NO.	REV.
OPEN CUT TRENCHING, BACKFILLING, & REPLACEMENT	N.T.S.	A6.7	

Excavation Permit

- All drainage modifications shall be approved by the Streets Supervisor
- Erosion control matting shall be used, **No straw** shall be used
- All drainage pipe installed within City right-of-way shall have minimum of 4" coverage with crusher run stone, and shall be increased to 24" under roadways
- Bonding shall be determined by the City Engineer at 423.229.9475
- Any utility damages caused during project shall be reported to the City of Kingsport Central Dispatch at 423.246.9111
- All drainage pipe material type, size, and length shall be approved by City staff