

Additional Excavation	all excavation ordered in writing by the Owner beyond that specified.
<u>Annular space</u>	<u>ring shaped space between well casing and borehole wall or two jointed pipes.</u>
Aquifer	part of a formation or a group of formations of underground rock that is water-bearing.
Asphalt Binder Content	the percentage of asphalt binder in the asphalt concrete mixture.
Available Draw- D down	difference in elevation between static level and top of screen, or between static level and 2 m above bottom of well in the case of wells with no screen.
Back Slope	the slope in a cut between the invert of the roadside ditch and the point where the slope intersects original ground.
Borrow	common material derived from excavation outside site and approved for incorporation into work.
Business Day	any day other than a Saturday, Sunday or Provincial statutory holiday in the Province.
Clearing	the cutting of all standing trees, brush, bushes and other vegetation at or below 150 mm above original ground and the disposal of felled materials, windfalls and surface litter.
Clearing Isolated Trees	cutting off to not more than a specified height above ground of trees designated, and disposing of felled trees and debris.
Close-Cut Clearing	the cutting of all standing trees, stumps, brush, bushes and other vegetation at ground level and disposal of felled material, windfalls and other surface litter.

Cohesionless Soil	for compaction purposes is: <ol style="list-style-type: none">1. Materials having less than 20% passing 0.075 mm sieve, regardless of plasticity of fines.2. Materials containing between 20% and 50% passing 0.075 mm sieve, and having a liquid limit less than 25 and a plasticity index less than 6 when tested to ASTM D4318.
Cohesive Soil	for compaction purposes, is soil not having properties to be classified as cohesionless.
Common Excavation	excavation of materials of whatever nature that are not included under definitions of <u>solid</u> rock excavation including, dense tills, hardpan, frozen materials, soft or previously blasted rock or broken stone, and partially cemented materials, that can be ripped and excavated with heavy construction equipment.
<u>Common Material</u>	<u>includes all earth, sand, gravel, cemented gravel, clay, hardpan, previously blasted rock and boulders less than 0.5 cubic metres in measurement and all excavated materials not classed as solid rock.</u>
Consolidated Formation	a geologic formation of bedrock.
Department	unless the context indicates otherwise, means the department presided over by the Minister of Transportation and Infrastructure.
Design Mix Formula (DMF)	the laboratory determination of the precise proportions of asphalt binder, additives and aggregates to be blended together to meet the specified properties for a given asphalt concrete mix.
<u>Digital Data Device</u>	<u>non-volatile devices such as USB flash drives, SSD solid Storage state drives.</u>
<u>Dimension Ratio (DR)</u>	<u>the ratio of the pipe outside diameter to the pipe minimum wall thickness.</u>
Ditching	the excavation in earth or rock for all water courses. The term will include roadside ditches, all excavation lying beyond the end of drainage structures, and stream and watercourse diversions and corrections.

<u>Drainage Structure</u>	<u>a catch basin, maintenance hole, or ditch inlet.</u>
Drawdown	difference in elevation, between static level and pumping level.
Earth	all soils, and any other material to be excavated not classified as rock.
Embankment	material derived from usable excavation and placed above original ground or stripped surface up to subgrade elevation.
Equivalent Opening Size (EOS)	diameter in micrometres of the standard sieve having openings closest in size to the diameter of uniform particles, that will have 95% by mass retained by the geotextile, when shaken in the prescribed manner.
Excavation classes	only two classes of excavation will be recognized, <u>solid</u> rock excavation and common excavation.
Existing rock surface	the rock surface, as measured after removal of overburden, but before <u>solid</u> rock excavation.
Filtration	the process of allowing water to easily escape from the soil, while retaining soil in place.
Free Haul	distance that excavated material is to be hauled without compensation. Free haul distance to be 2 km.
Front Slope	the slope in a cut section between the edge of shoulder and the invert of the roadside ditch.
Geotextile	a synthetic textile structure that is produced by weaving, or by a process such as spun bonding, needle punching, or by other similar processes.
Grubbing	the excavation and disposal of stumps and roots, boulders and rock fragments to not less than 150 mm below original ground surface.
Job Mix Formula (JMF)	the resultant establishment of the single definite percentage for each sieve fraction of aggregate and asphalt binder content that will produce the desired asphalt concrete mix properties under field conditions.

<u>Main</u>	<u>the storm, sanitary, water mains, or other accessible conduit pipe culverts.</u>
Mean of the Deviations	the sum of the absolute values of the deviations divided by the number of tests in the lot.
Mix Property	measured for product acceptance and price adjustments are as follows: Gradation: Passing 4.75 mm and 75 µm sieves, Asphalt Binder Content, Binder Grade, Marshall Air Voids, Thickness, Application Rate, Density and Smoothness.
Overbreak	that portion of any rock that is excavated, displaced, or loosened outside and beyond the established payment lines, regardless of whether the overbreak is due to the inherent character of any rock formation encountered, or to any other cause.
<u>Overburden</u>	<u>common or other material overlying an underground feature, typically solid rock.</u>
Over Excavation	all excavation beyond that specified, performed without the written order of the Owner.
Overhaul	authorized hauling of excavated material in excess of 2 km from the point of excavation.
Pavement Structure	combination of layers of unbound or stabilized granular sub-base, base, and asphalt or concrete surfacing.
<u>Pipe Section</u>	<u>length of pipe between successive catch basins and/or maintenance holes.</u>
Product	products, materials, equipment and articles referenced throughout this specification.
Pumping Level	difference in elevation between well datum and water level when well is being pumped at stated L/s rate.
Recovery <u>time</u>	the time taken for water level to return from pumping level to static level after pumping stops.

Referee Sample	the portion of the loose or core sample that is set aside by the laboratory in the case of an appeal of binder content, gradation, and/or density by the Contractor.
Right-of-Way (ROW)	a legal right of passage on/under another person's land.
Sample Mean	the arithmetic mean of the group of test results derived from the randomly selected samples.
<u>Service Factor</u>	<u>a measure of periodically overload capacity at which a motor can operate without damage.</u>
Side Slope	the slope in a fill between the edge of shoulder and the point where the slope intersects original ground.
<u>Solid Rock</u>	<u>includes all rock, in masses or ledges in their original or stratified bed or position, and all boulders and detached pieces or rock 0.5 cubic metres or greater in measurement which are present in common material and cannot be removed by excavating equipment having 0.95 to 1.15 cubic metre bucket. Frozen material is not classified as solid rock.</u>
<u>Solid</u> Rock Excavation	excavation of material from solid beds or masses of igneous, sedimentary, or metamorphic rock that, prior to its removal was integral with its parent mass and that cannot normally be excavated without blasting, ripping, or hydraulic hammer, and boulders or rock fragments having individual volume in excess of 0.5 cubic metres m^3 determined from three mutually perpendicular dimensions. Removal of rock with teeth on a bucket is not rock excavation.
Specialty Item	A Product that is designed and fabricated specifically for the Work and cannot be easily incorporated into other Work.
Specific Capacity	ratio of pumping rate to draw down, expressed in litres per minute per metre <u>(L/s.m)</u> of draw down.
Static Level	difference in elevation between well datum and level of water in well when no pumping has been conducted for at least 6 hours.

Stratified Random Sample	a stratified random sample is defined as a representative sample taken in an unbiased manner, by dividing a Lot into approximately equal segments. A random sample is taken from each area or segment.
Stripping	the removal of topsoil and other material from fill areas, and the removal of topsoil from the surface of the excavation areas.
Structure	any bridge, concrete culvert, retaining wall, building, sign support, pipe sewer, maintenance hole, catch basin, ditch inlet, pavement, concrete base cement, treated base, curb and gutter system, sidewalk, fence, guide rail and guide post.
Sub-grade Elevation	elevation immediately below pavement structure.
Suitable Material	common material derived from excavation and approved by the Owner for incorporation into work.
Thickness	the specified application rate indicated in the contract documents divided by the average bulk relative density obtained from the core samples for a given Lot. Price adjustments for thickness will be applied to new construction only.
Topsoil	material capable of supporting good vegetative growth and suitable for use in top dressing, landscaping, and seeding.
Underbrush Clearing	consists of removal from treed areas of undergrowth, deadwood, and disposing of all fallen timber and surface debris.
Unsuitable Material	common material derived from excavation and unsuitable for incorporation into work.
Waste Material	material unsuitable for use in work or surplus to requirements.
Well Datum	top of outer casing or similar fixed point of wellhead with elevation tied to geodetic or suitable local datum.

Work Area	the location in the Work Site on which Work is being carried out.
Work Permit	a statutory requirement of a Federal and/or Provincial Government agency and/or Local Authority approving the methodology of work.
Work Site	the lands and premises owned by the Owner or in which the Owner has proprietary interest, upon which the Work is to be performed and as defined in the Contract Documents.

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