

DO NOT DAMAGE OR CUT LEADER

TWO HEAVY-DUTY GAUGE 'T' BARS PER TREE, 2400mm LONG, LOCATED AWAY FROM ALL BRANCHES, ONE ON THE SIDE OF PREVAILING WIND, THE OTHER ON THE OPPOSITE SIDE. DO NOT DRIVE STAKES THROUGH ROOT BALL.

TIES TO BE FLEXIBLE TIE SYSTEM THAT ALLOWS THE TREE A REASONABLE DEGREE OF MOVEMENT (50mm BURLAP STRIPS OR PROPRIETARY SYSTEM.) WIRE OR WIRE ENCASED HOSE IS NOT ACCEPTABLE. TIES TO BE REMOVED 1 YEAR AFTER PLANTING.

BURLAP STRIP TIES LOOPED IN A LOOSE FIGURE '8' AROUND TRUNK AND SECURED TO STAKE WITH WIRE (OR AS SPECIFIED BY MANUFACTURER OF PROPRIETARY SYSTEM)

TRUNK GUARD INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. OMIT IN PLANTING BEDS

CROWN OF ROOT BALL

75mm SHREDDED CEDAR BARK MULCH (NOT DYED)

CREATE 150mm SAUCER AROUND TREE 300mm BEYOND ROOTBALL

CLEAN SHARP EDGE BETWEEN SAUCER AND FINISHED GRADE

SOD / PAVING / SPECIFIED GROUNDCOVER

FINISHED GRADE

TRIPLE MIX OR SCREENED, AMENDED TOPSOIL, FREE OF STONES

150mm SCARIFIED SOIL

CUT AND REMOVE TOP 1/3 OF BURLAP, REMOVE ALL SIDES OF WIRE BASKET AND ALL TIES

COMPACTED SUBGRADE

AT GRADE

SOD / PAVING / SPECIFIED GROUNDCOVER

150mm SCARIFIED SOIL

75mm SHREDDED CEDAR BARK MULCH (NOT DYED)

CREATE 150mm SAUCER AROUND TREE, 300 mm BEYOND ROOTBALL

FINISHED GRADE

TRIPLE MIX OR SCREENED, AMENDED TOPSOIL, FREE OF STONES

VARIES WITH SLOPE

SLOPE PIT BOTTOM FOR DRAINAGE

COMPACTED SUBGRADE

ON A SLOPE

NOTES

1. DO NOT ALLOW AIR POCKETS WHEN BACKFILLING.
2. POSITION CROWN OF ROOT BALL 50mm ABOVE FINISHED GRADE TO ALLOW FOR SETTLING.
3. DO CORRECTIVE PRUNING TO RETAIN NATURAL FORM OF TREE.
4. FOR TREES PLANTED WITHIN PLANTING OR SHRUB BEDS, DELETE SAUCER AROUND BASE OF TREE.
5. NO TREE PITS SHALL BE LEFT OPEN OVERNIGHT.
6. ALL DIMENSIONS ARE IN MILLIMETRES.

NO.	REVISION	APR'D	DATE
1	PLANTING METHODOLOGY	EN	JUL/04
2	PLANTING METHODOLOGY	DW	JUN/07

TOWN OF COLLINGWOOD

APR'D: DW

DATE: JAN/03

DRAWN: AB

SCALE: NTS

DECIDUOUS TREE PLANTING

STD. No.

1101

DO NOT DAMAGE OR CUT LEADER

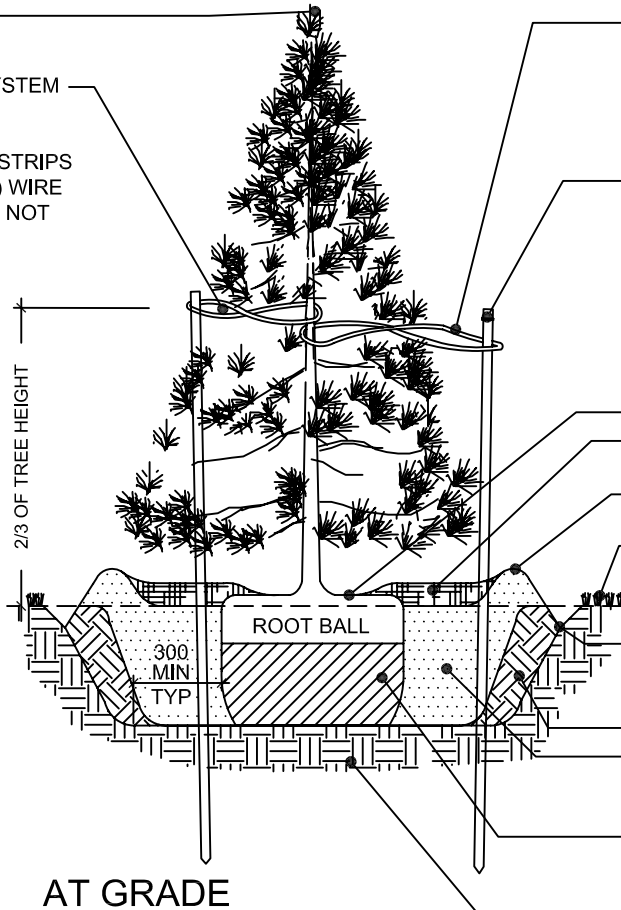
TIES TO BE FLEXIBLE TIE SYSTEM THAT ALLOWS THE TREE A REASONABLE DEGREE OF MOVEMENT (50mm BURLAP STRIPS OR PROPRIETARY SYSTEM.) WIRE OR WIRE ENCASED HOSE IS NOT ACCEPTABLE. TIES TO BE REMOVED 1 YEAR AFTER PLANTING.

BURLAP STRIP TIES LOOPED IN A LOOSE FIGURE '8' AROUND TRUNK AND SECURED TO STAKE WITH WIRE (OR AS SPECIFIED BY MANUFACTURER OF PROPRIETARY SYSTEM)

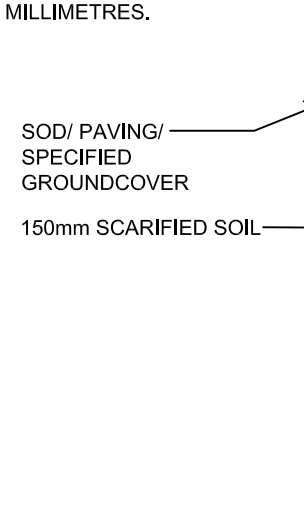
TWO HEAVY-DUTY GAUGE 'T' BARS PER TREE, 2400mm LONG, CLEAR OF ALL BRANCHES, ONE ON THE SIDE OF PREVAILING WIND, THE OTHER ON THE OPPOSITE SIDE. DO NOT DRIVE STAKES THROUGH ROOT BALL.

NOTES

1. DO NOT ALLOW AIR POCKETS WHEN BACKFILLING.
2. POSITION CROWN OF ROOT BALL 50mm ABOVE FINISHED GRADE TO ALLOW FOR SETTLING.
3. FOR TREES PLANTED WITHIN PLANTING OR SHRUB BEDS, DELETE SAUCER AROUND BASE OF TREE.
4. NO TREE PITS SHALL BE LEFT OPEN OVERNIGHT.
5. ALL DIMENSIONS IN MILLIMETRES.



AT GRADE



ON A SLOPE

NO.	REVISION	APR'D	DATE
1	PLANTING METHODOLOGY	EN	JUL/04
2	PLANTING METHODOLOGY	DW	JUN/07

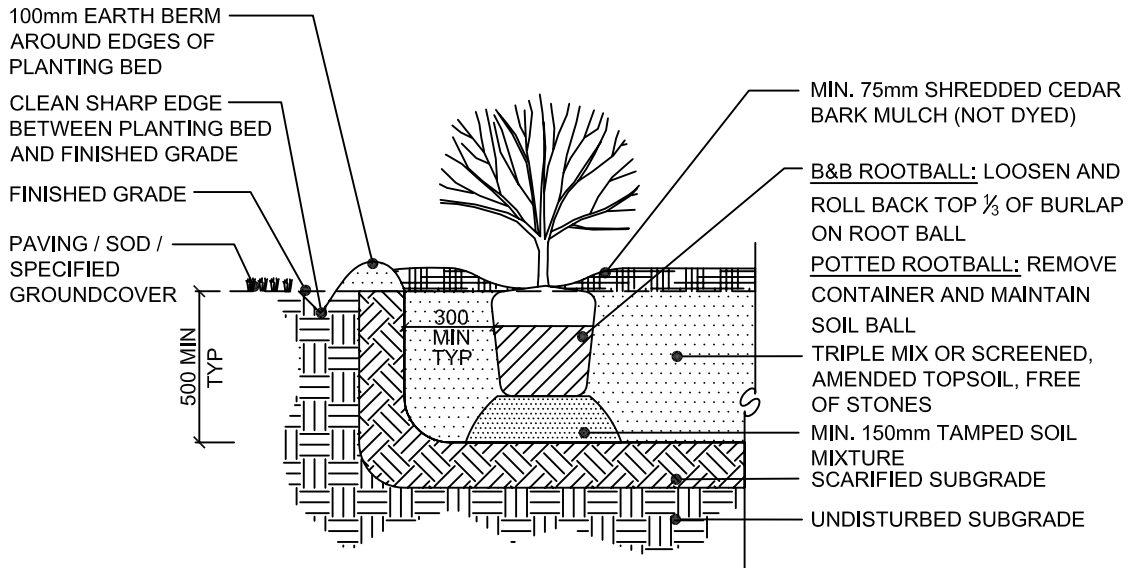
TOWN OF COLLINGWOOD

CONIFEROUS TREE PLANTING

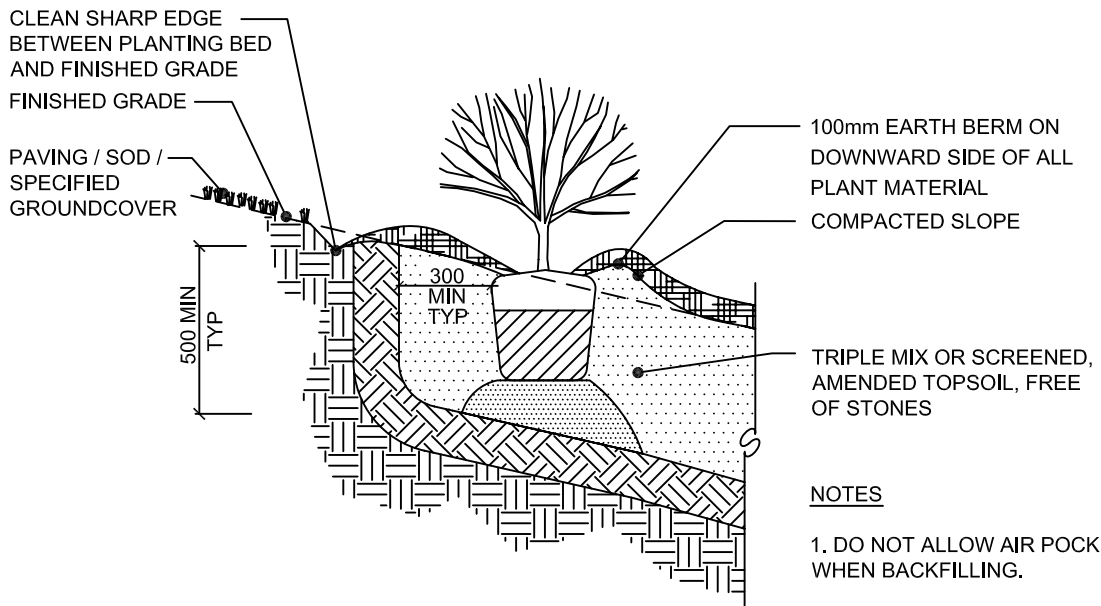
APR'D: DW DATE: JAN/03

DRAWN: AB SCALE: NTS

STD. No. 1102



TYPICAL SHRUB PLANTING



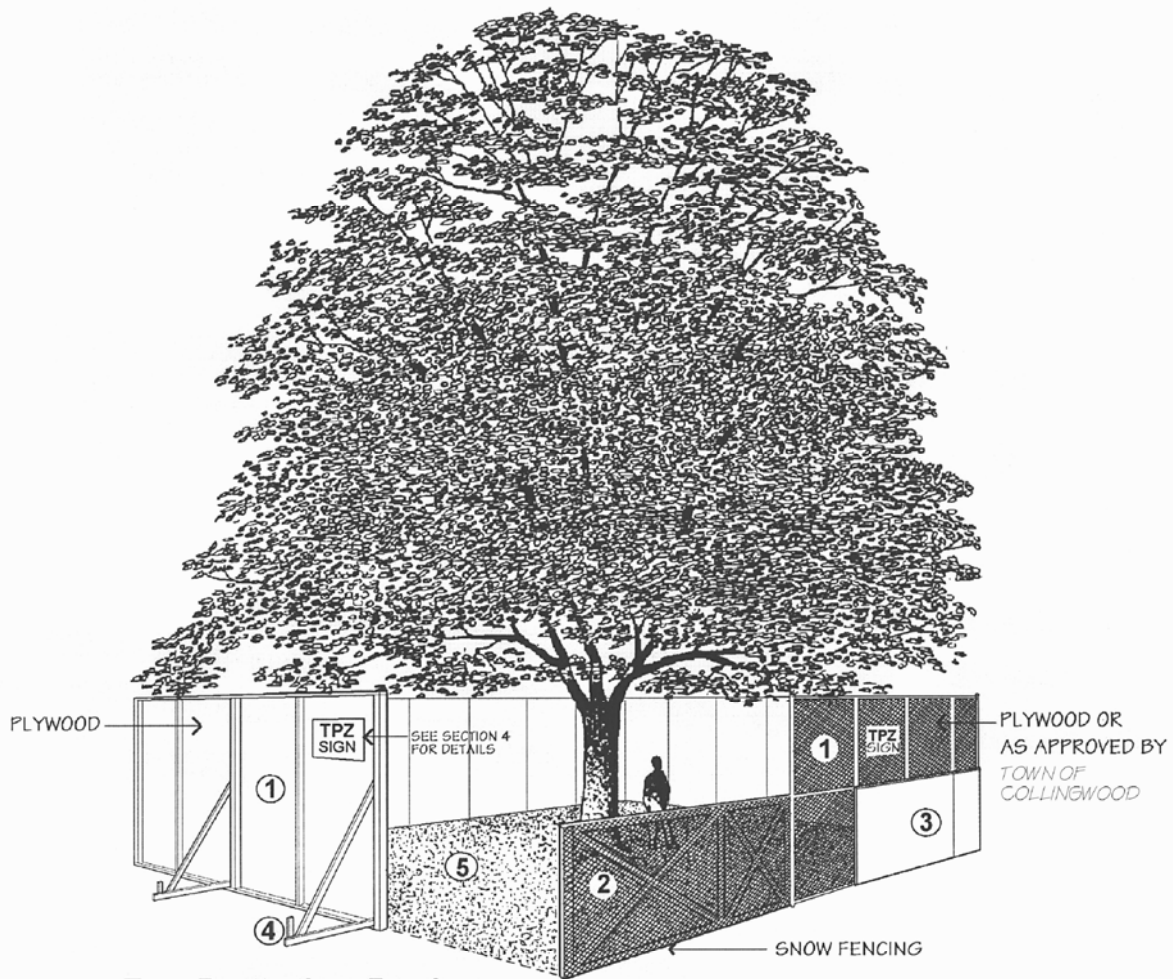
PLANTING ON 3:1 SLOPE DETAIL

NOTES

1. DO NOT ALLOW AIR POCKETS WHEN BACKFILLING.
2. POSITION CROWN OF ROOT BALL 25mm ABOVE FINISH GRADE TO ALLOW FOR SETTLING.
3. ALL DIMENSIONS IN MILLIMETRES.

NO.	REVISION	APR'D	DATE
1	PLANTING METHODOLOGY	EN	JUL/04
2	PLANTING METHODOLOGY	DW	JUN/07

TOWN OF COLLINGWOOD	APR'D: DW	DATE: JAN/03
	DRAWN: AB	SCALE: NTS
SHRUB PLANTING	STD. No.	1103



Tree Protection Barriers

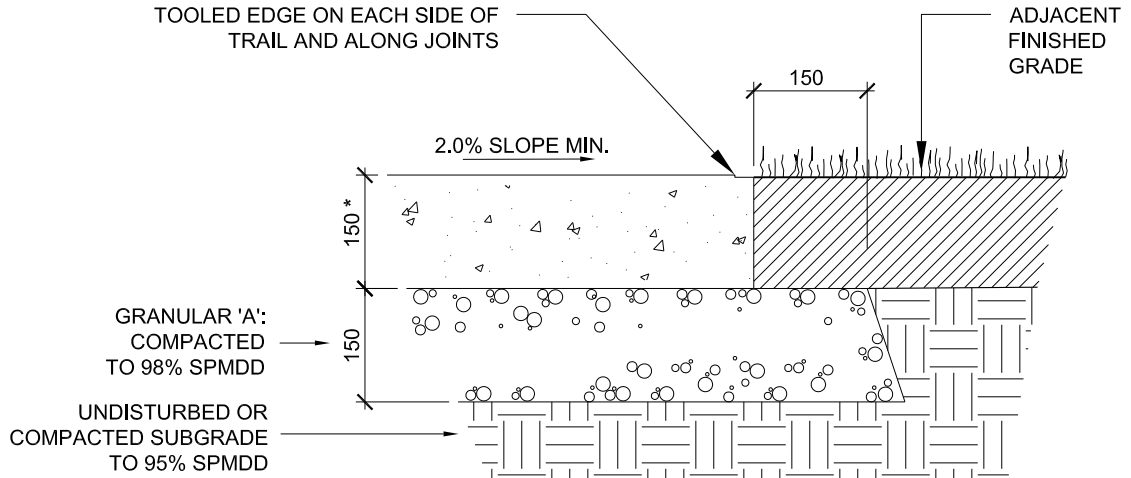
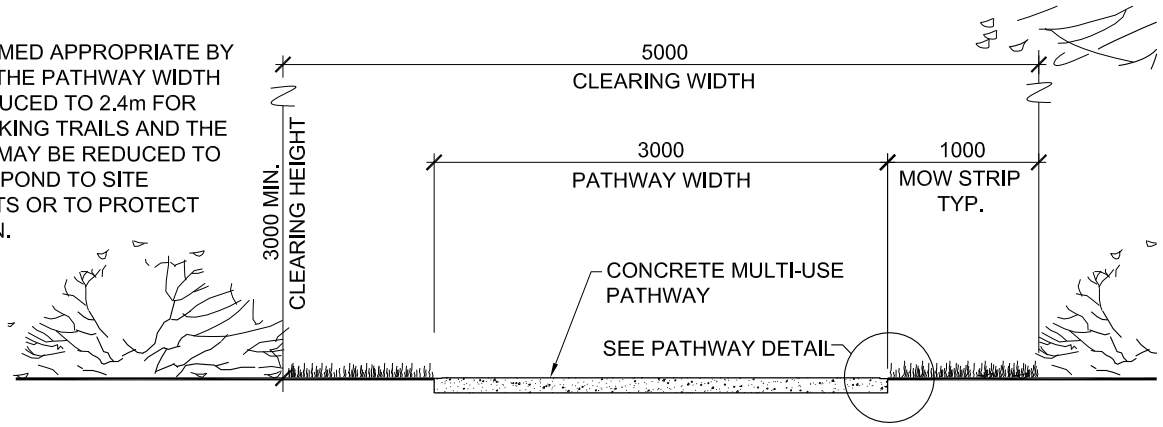
- ① Tree protection barriers must be 2.4m (8ft) high, plywood clad hoarding or an equivalent approved by Town of Collingwood.
- ② Tree protection barriers for trees situated on road allowance where visibility must be maintained can be 1.2m (4ft.) high and consist of orange plastic web snow fencing on a wood frame made of 2"x 4"s .
- ③ Where some excavate or fill has to be temporarily located near a tree protection barrier, plywood must be used to ensure no material enters the Tree Protection Zone.
- ④ All supports and bracing should be outside the Tree Protection Zone. All such supports should minimize damaging roots outside the Tree Protection Barrier.
- ⑤ No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the Tree Protection Zone.

NO.	REVISION	APR'D	DATE

TOWN OF COLLINGWOOD	APR'D: EDH	DATE: JAN/03
	DRAWN:	SCALE: NTS
TREE PROTECTION	STD. No.	1110

NOTE:

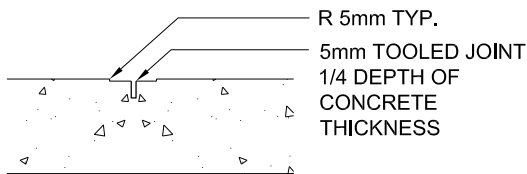
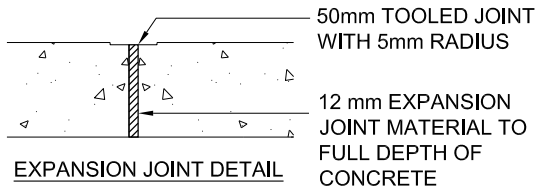
- WHERE DEEMED APPROPRIATE BY THE TOWN, THE PATHWAY WIDTH MAY BE REDUCED TO 2.4m FOR FEEDER/ LINKING TRAILS AND THE MOW STRIP MAY BE REDUCED TO 0.6m TO RESPOND TO SITE CONSTRAINTS OR TO PROTECT VEGETATION.



PATHWAY DETAIL

NOTES:

- EXCAVATE ALL TOPSOIL AND ORGANIC MATTER UNDER TRAIL BED.
- STANDARD DETAIL REFLECTS IDEAL SUBGRADE CONDITIONS ON COMPACTED WELL DRAINED SOIL. ADDITIONAL GRANULAR MATERIAL MAY BE REQUIRED TO SUIT CONDITIONS.
- DIRECTION OF CROSS SLOPE SHALL BE ADJUSTED TO SUIT GRADING REQUIREMENTS.
- ALL GRANULAR WORK TO BE IN ACCORDANCE WITH OPSS 314.
- ALL CONCRETE WORK TO BE IN ACCORDANCE WITH OPSS 351.
- MINIMUM COMPRESSIVE STRENGTH TO BE 30MPa @ 28 DAYS.
- CONCRETE THICKNESS AT COMMERCIAL AND INDUSTRIAL DRIVEWAYS SHALL BE 200mm. *
- THIS DETAIL IS TO BE READ IN CONJUNCTION WITH OPSD 310.030 'CONCRETE SIDEWALK RAMPS AT INTERSECTIONS'.
- PLACE CONTRACTION JOINTS AT EVERY 3.0m O/C AND EXPANSION JOINTS AT EVERY 9.0m O/C.
- PROVIDE EXPANSION JOINTS ALONG FOUNDATIONS AND WHERE CONCRETE ABUTS EXISTING CONCRETE.
- CONCRETE SHALL BE BROOM FINISHED.
- DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.



NO.	REVISION	APR'D	DATE
3	UPDATED NOTES & DIMENSIONS		SEPT/12
2	REVISE DETAIL NAME AND NUMBERING		APRIL/12
1	ADDITION OF CONSTRUCTION DETAIL		DEC/07

TOWN OF COLLINGWOOD

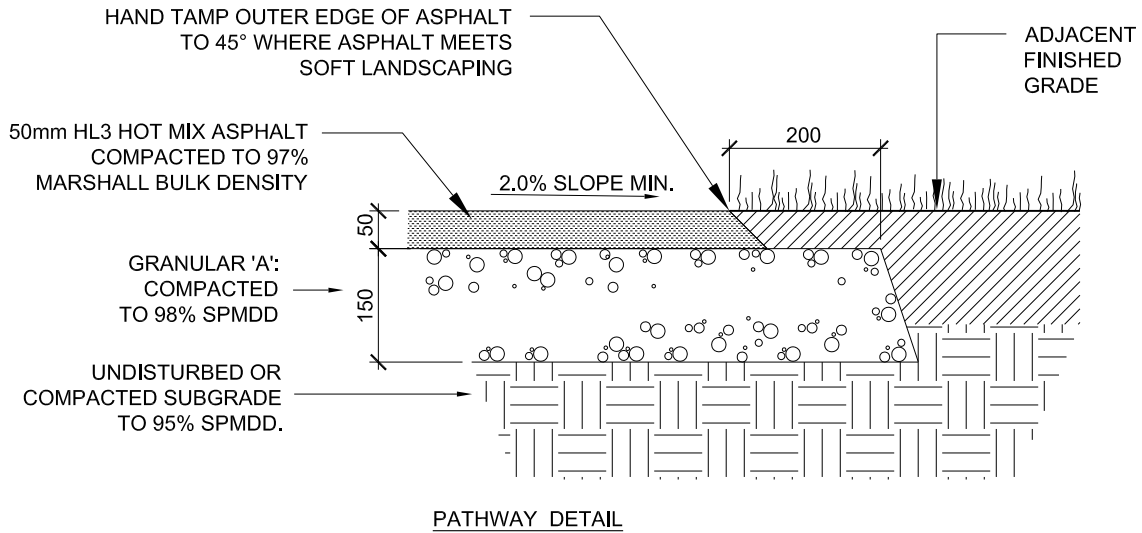
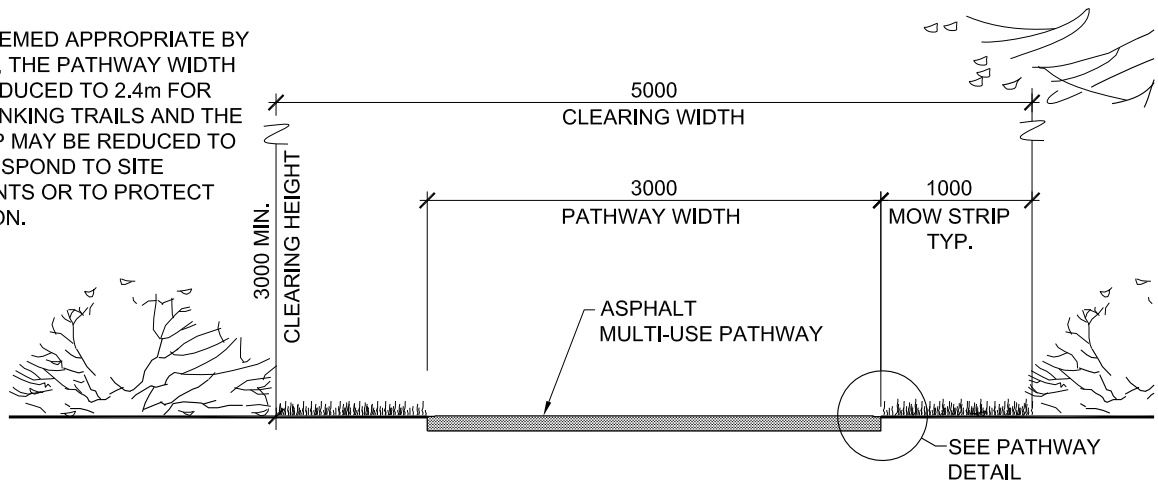
APR'D: TOWN DATE: JAN/03
 DRAWN: CW/DW SCALE: NTS

CONCRETE MULTI-USE PATHWAY

STD. No. 1120

NOTE:

1. WHERE DEEMED APPROPRIATE BY THE TOWN, THE PATHWAY WIDTH MAY BE REDUCED TO 2.4m FOR FEEDER/ LINKING TRAILS AND THE MOW STRIP MAY BE REDUCED TO 0.6m TO RESPOND TO SITE CONSTRAINTS OR TO PROTECT VEGETATION.



NOTES:

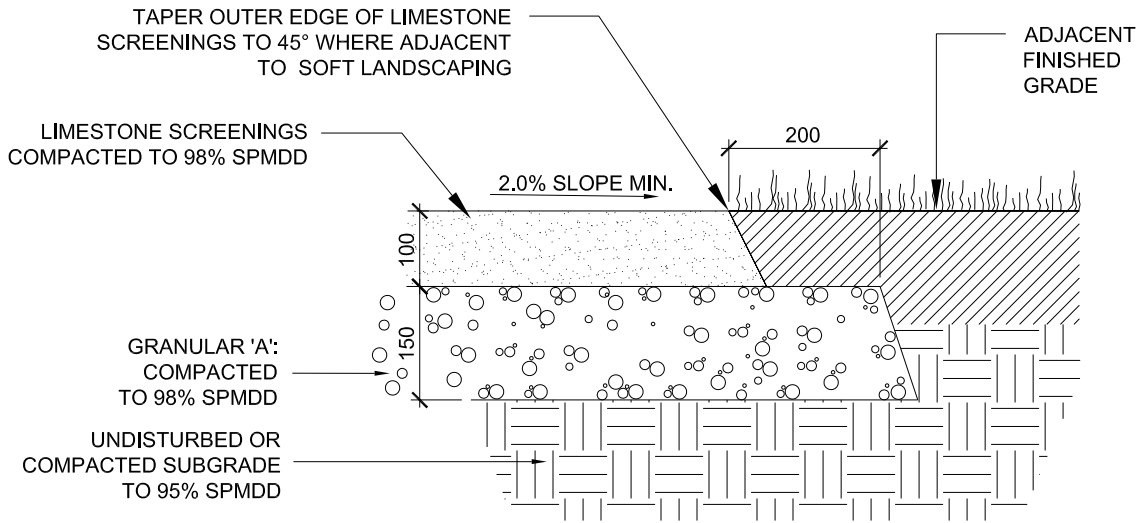
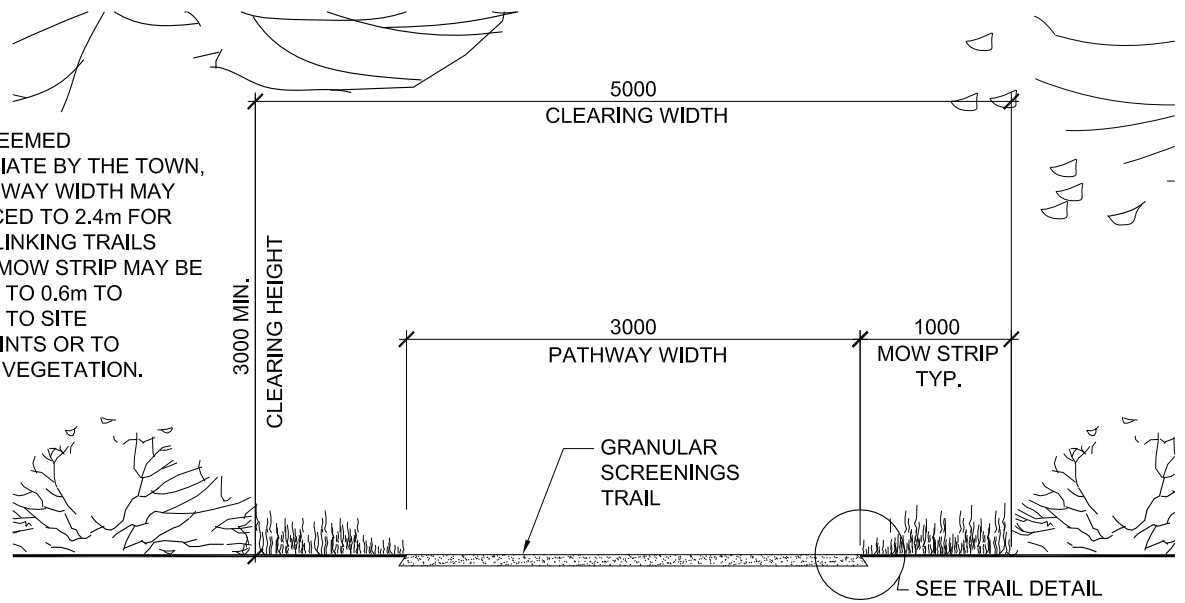
1. EXCAVATE ALL TOPSOIL AND ORGANIC MATTER UNDER TRAIL BED.
2. STANDARD DETAIL REFLECTS IDEAL SUBGRADE CONDITIONS ON COMPACTED WELL DRAINED SOIL. ADDITIONAL GRANULAR MATERIAL MAY BE REQUIRED TO SUIT CONDITIONS.
3. DIRECTION OF CROSS SLOPE SHALL BE ADJUSTED TO SUIT GRADING REQUIREMENTS.
4. ALL GRANULAR WORK TO BE IN ACCORDANCE WITH OPSS 314.
5. ALL HOT MIX ASPHALT WORK FOR PATHWAYS SHALL BE IN ACCORDANCE WITH OPSS 311.
6. ROLL ASPHALT CONTINUOUSLY TO DENSITY NOT LESS THAN 97% MARSHALL BULK DENSITY.
7. DO NOT BACKFILL AGAINST ASPHALT FOR MIN. OF 48 HOURS.
8. DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.

NO.	REVISION	APR'D	DATE
1	UPDATED NOTES & DIMENSIONS		SEPT/12

TOWN OF COLLINGWOOD	APR'D: TOWN	DATE: APRIL/12
	DRAWN: DW	SCALE: NTS
ASPHALT MULTI-USE PATHWAY	STD. No.	1121

NOTE:

1. WHERE DEEMED APPROPRIATE BY THE TOWN, THE PATHWAY WIDTH MAY BE REDUCED TO 2.4m FOR FEEDER/ LINKING TRAILS AND THE MOW STRIP MAY BE REDUCED TO 0.6m TO RESPOND TO SITE CONSTRAINTS OR TO PROTECT VEGETATION.



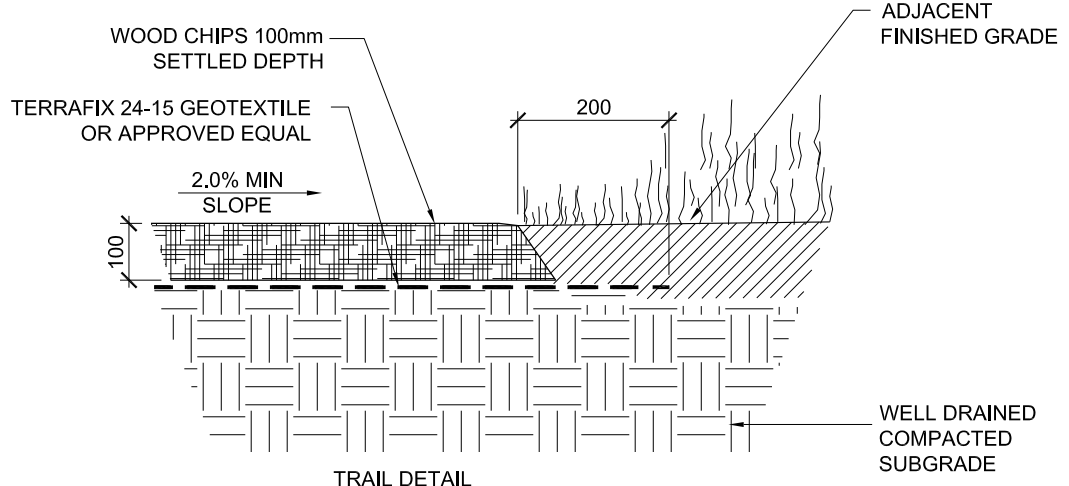
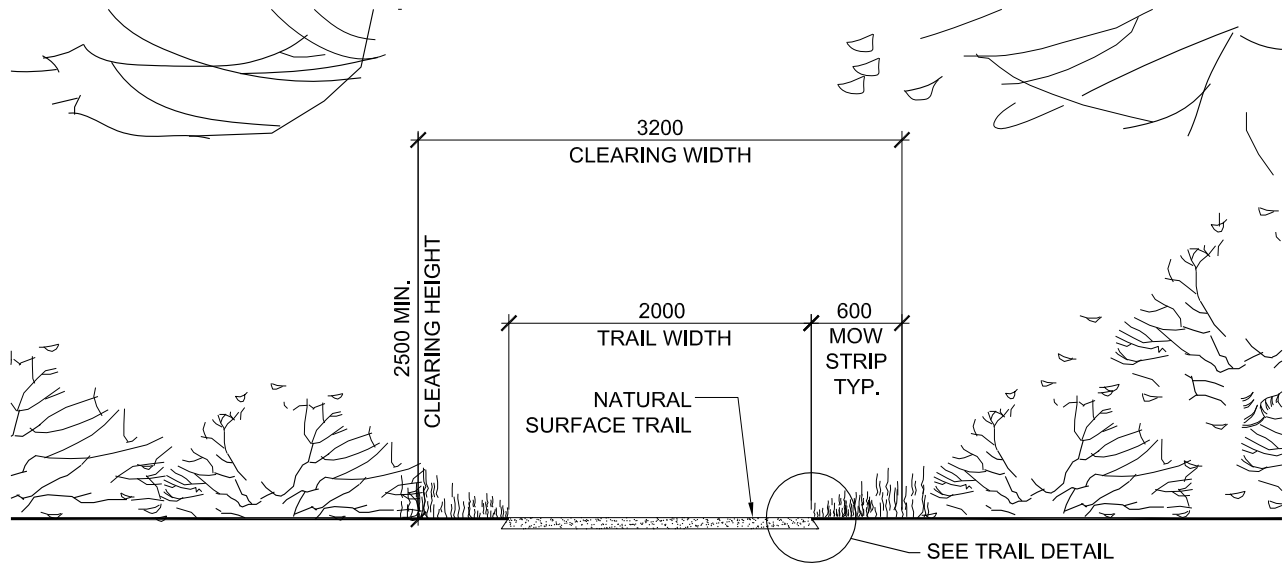
TRAIL DETAIL

NOTES:

1. EXCAVATE ALL TOPSOIL AND ORGANIC MATTER UNDER TRAIL BED.
2. STANDARD DETAIL REFLECTS IDEAL SUBGRADE CONDITIONS ON COMPACTED WELL DRAINED SOIL. ADDITIONAL GRANULAR MATERIAL MAY BE REQUIRED TO SUIT CONDITIONS.
3. ALL GRANULAR WORK TO BE IN ACCORDANCE WITH OPSS 314.
4. IN AREAS WHERE FULL ORGANIC REMOVAL CANNOT BE ACHIEVED OR IN AREAS WHERE WETTER SOILS ARE PRESENT, TERRAFIX 24-15 GEOTEXTILE (OR APPROVED EQUAL) MAY BE INSTALLED UNDER THE GRANULAR SUB-BASE. THE GEOTEXTILE SHALL EXTEND 200mm BEYOND THE SUBBASE LAYER ON EACH SIDE OF THE TRAIL AND BE BURIED.
5. DIRECTION OF CROSS SLOPE SHALL BE ADJUSTED TO SUIT GRADING REQUIREMENTS.
6. DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.

NO.	REVISION	APR'D	DATE
3	UPDATED NOTES & DIMENSIONS		SEPT/12
2	REVISED PROFILE, AND DETAIL NAME & NUMBERING		APRIL/12
1	ADDITION OF CONSTRUCTION DETAIL		DEC/07

TOWN OF COLLINGWOOD	APR'D: TOWN	DATE: JAN/03
	DRAWN: CW/ DW	SCALE: NTS
GRANULAR SCREENINGS TRAIL	STD. No.	1122



NOTES:

1. STANDARD DETAIL REFLECTS IDEAL SUBGRADE CONDITIONS ON COMPACTED WELL DRAINED SOIL. ADDITIONAL MATERIAL MAY BE REQUIRED TO SUIT CONDITIONS.
2. THE 24-15 GEOTEXTILE IS TO BE USED UNDER IDEAL AND DRY SOIL CONDITIONS. GEOTEXTILE REQUIREMENTS MAY BE UPGRADED TO SUIT SOIL CONDITIONS AND MAY REQUIRE THE USE OF GEO-GRIDS OR WOVEN FABRICS.
3. DIRECTION OF CROSS SLOPE SHALL BE ADJUSTED TO SUIT GRADING REQUIREMENTS.
4. DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.

NO.	REVISION	APR'D	DATE
3	UPDATED NOTES & DIMENSIONS		SEPT/12
2	REVISED GEOTEXTILE AND DETAIL NAME & NUMBERING		APRIL/12
1	ADDITION OF CONSTRUCTION DETAIL		DEC/07

TOWN OF COLLINGWOOD	APR'D: TOWN	DATE: JAN/03
	DRAWN: CW/DW	SCALE: NTS
NATURAL SURFACE TRAIL	STD. No.	1123