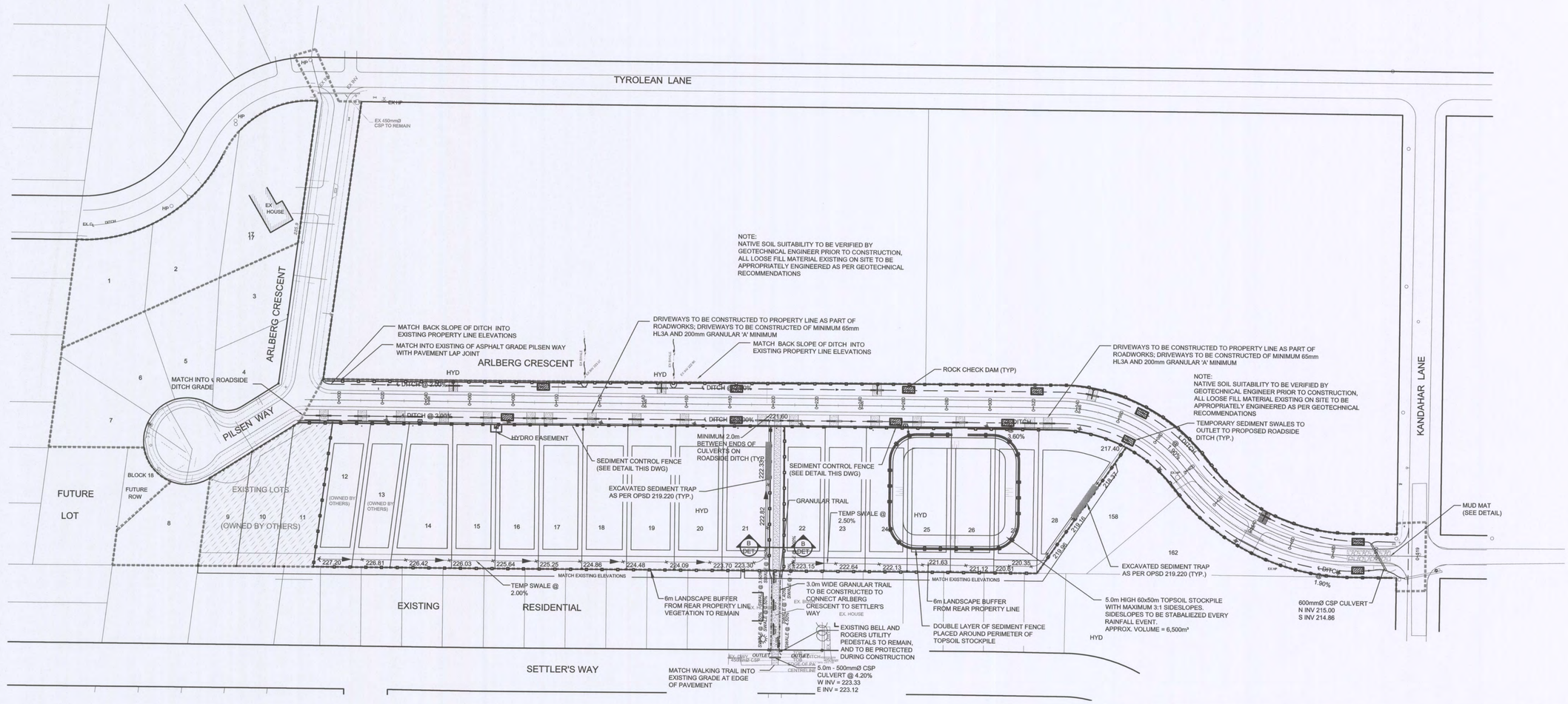
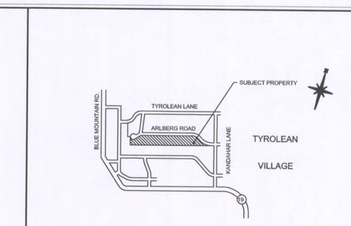




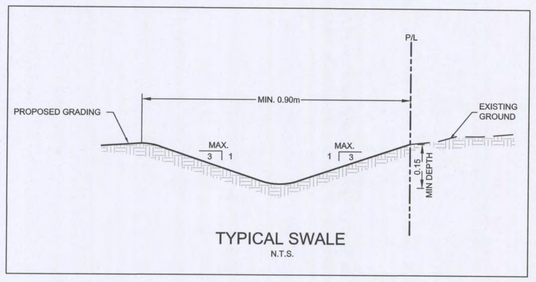
KEY PLAN
SCALE: N.T.S.

LEGEND

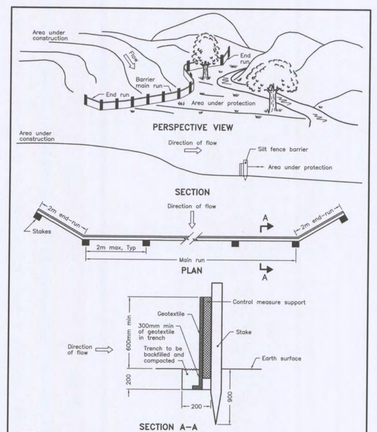
- 000.0 — EXISTING ELEVATION (metres)
- DRAINAGE FLOW
- 150mm DEEP SWALE
- BREAKPOINT (HIGH POINT)
- TEMPORARY ROCK CHECK DAM (AS PER DETAIL)
- TEMPORARY SEDIMENT CONTROL FENCE (AS PER DETAIL)

EROSION CONTROL NOTES:

1. WHEN THE ROAD IS EXCAVATED TO SUBGRADE ELEVATION THE CONTRACTOR SHALL ENSURE THAT STORM RUNOFF CAN NOT FLOW TO THE ROAD.
2. THE DITCHES MUST BE SHAPED WITHIN TWO DAYS OF ROAD EXCAVATION IN ORDER THAT THE ROCK CHECK DAMS CAN BE PLACED.
3. ROCK CHECK DAMS MUST BE CLEANED AFTER EVERY RAINFALL OF 12mm(1/2") OR GREATER.
4. NO SILT SHALL BE CONVEYED OFF THE SITE. THE CONTRACTOR IS RESPONSIBLE TO RESTORE ALL AREAS TO ORIGINAL CONDITION.
5. THE SILT FENCE IS TO BE ERECTED PRIOR TO ROUGH GRADING ON LOTS 9-28 (AS SHOWN).
6. WHEN THE ROAD DITCH IS GRASSED AND STABLE THE CONTRACTOR SHALL ENSURE THAT THE DITCH BACK BERM DOES NOT BLOCK RUNOFF FROM THE LOTS.

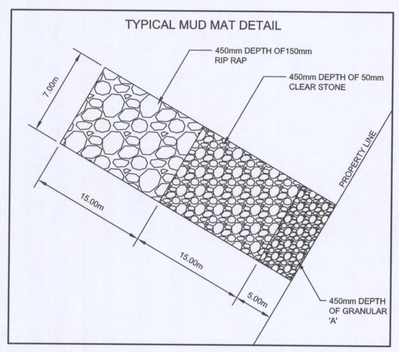


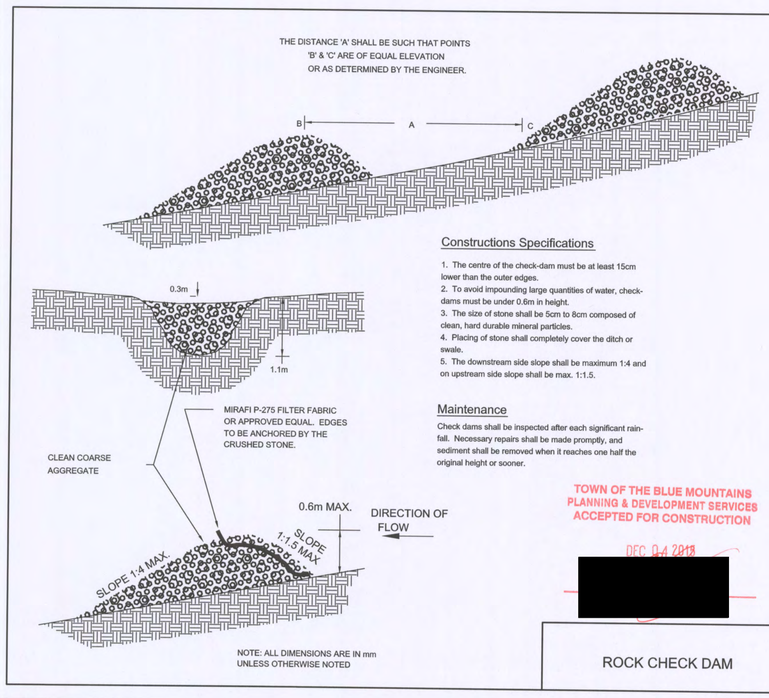
TYPICAL SWALE
N.T.S.



NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2006	Rev 1
HEAVY–DUTY SILT FENCE BARRIER		OPSD 219.130





NOTE: ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

Constructions Specifications

1. The centre of the check-dam must be at least 15cm lower than the outer edges.
2. To avoid impounding large quantities of water, check-dams must be under 0.6m in height.
3. The size of stone shall be 5cm to 8cm composed of clean, hard durable mineral particles.
4. Placing of stone shall completely cover the ditch or swale.
5. The downstream side slope shall be maximum 1:4 and on upstream side slope shall be max. 1:1.5.

Maintenance

Check dams shall be inspected after each significant rainfall. Necessary repairs shall be made promptly, and sediment shall be removed when it reaches one half the original height or sooner.

TOWN OF THE BLUE MOUNTAINS
PLANNING & DEVELOPMENT SERVICES
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DEC 04 2015
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ROCK CHECK DAM

GEODETIC BENCHMARK 72U308 181.494

CONCRETE CULVERT UNDER HIGHWAY 26 0.3km NW OF JUNCTION OF HIGHWAY 26 AND BLUE MOUNTAIN PARK ROAD. TABLET IN SOUTH FACE OF CULVERT AT SOUTH END, 60cm BELOW TOP AND 42cm EAST OF WEST EDGE OF CULVERT

Notes
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No.	Issue / Revision	Date	Auth.
2	SECOND SUBMISSION	DEC. 2012	
3	THIRD SUBMISSION	SEP. 2013	
4	FOURTH SUBMISSION	APR. 2014	
5	FIFTH SUBMISSION	DEC. 2014	
6	FINAL SUBMISSION	SEP. 2015	

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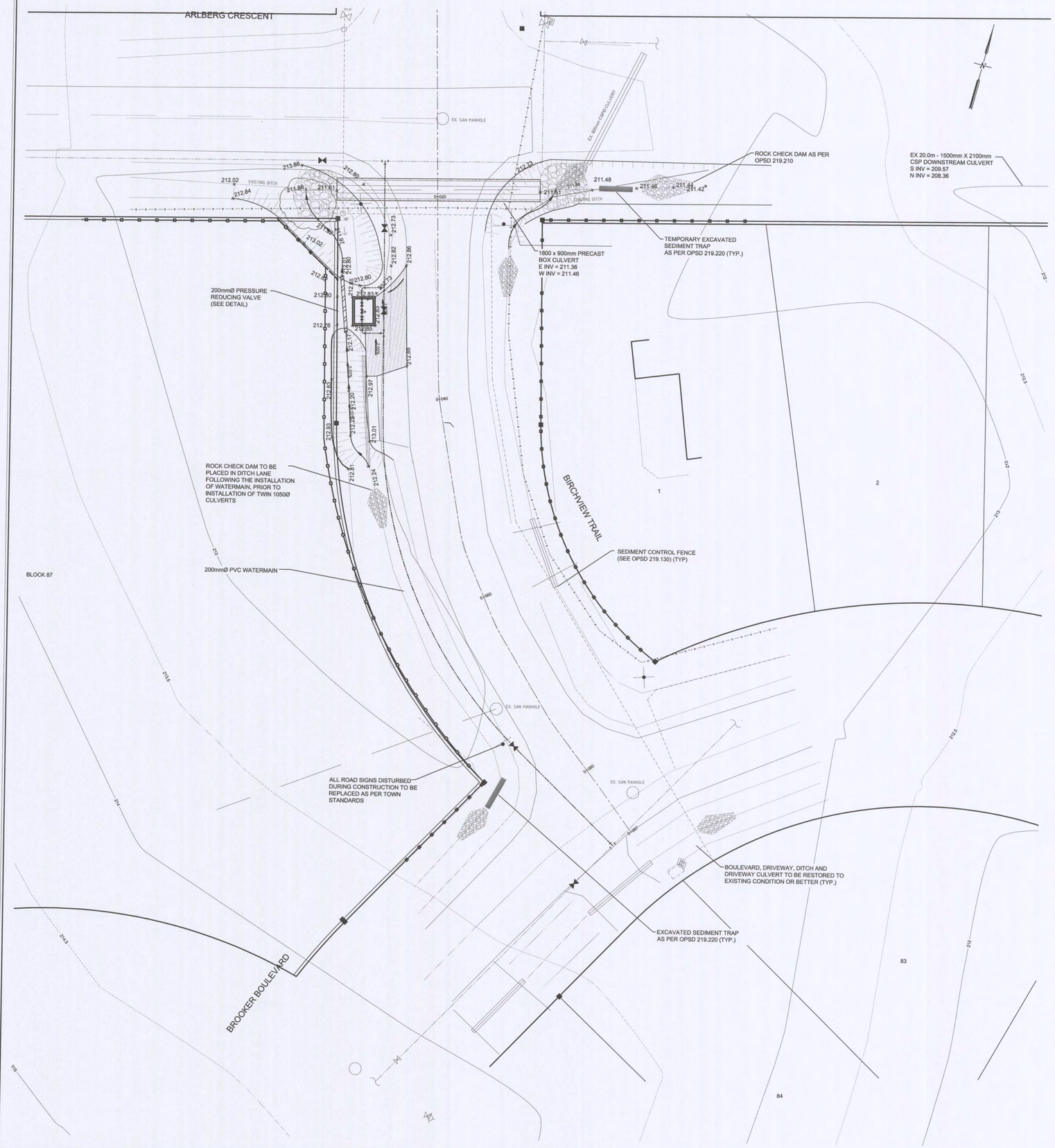
TYROLEAN VILLAGE RESORTS
796455 GREY ROAD 19, UNIT 1
BLUE MOUNTAINS, ON
L9Y 0N8

Drawing Title
TYROLEAN VILLAGE RESORTS LTD.
EROSION AND SEDIMENT CONTROL PLAN (1 of 2)

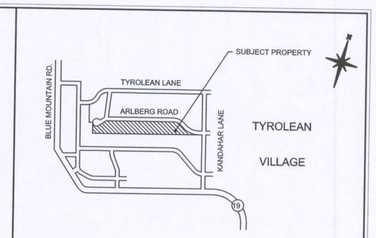
Drawn	Checked	Designed	Checked	Date	Drawing No.
KAG	PCC	PCC	PCC	14/12/02	ESC1
Scale		Project No.		Revision No.	
1:1000		PCG019510		4	

File Name: PCG019510ESC1.dwg Date Plotted: September 25, 2015 - 1:43 PM



EROSION & SEDIMENT CONTROL NOTES

1. SEDIMENT FENCING SHALL BE LOCATED AT THE BOTTOM AND 3m BEYOND THE TOE OF SLOPE ON THE FLAT SURFACE.
2. SEDIMENT FENCING ARE TO BE CONSTRUCTED OF UV STABILIZED WOVEN OR NON-WOVEN FABRIC THAT IS WRAPPED OVER THE TOP OF THE SUPPORT FENCING AND FASTENED. THE BASE OF THE FABRIC IS TO BE TOED INTO THE NATIVE SOIL TO A MINIMUM DEPTH OF 300mm BY EITHER STATIC SLICING TECHNIQUE OR TRENCHING.
3. THE NATIVE TRENCH MATERIAL TO TOE, IN FABRIC BASE, SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
4. THE FENCE STRUCTURE SHALL CONSIST OF A 1.10m, 150mm PAGE WIRE FENCE FASTENED TO STEEL T-BAR FENCE POSTS, LOCATED 2500mm ON CENTER. THE POSTS SHALL BE PLACED A MINIMUM OF 600mm INTO THE GROUND.
5. UPON 60% OF THE SEDIMENT FENCE BEING BLOCKED FROM SEDIMENT DEPOSITION, A NEW SEDIMENT CONTROL FENCE SHALL BE CONSTRUCTED UPSTREAM OF THE EXISTING ONE. THE NEW FENCE SHALL BE INSTALLED UPSTREAM AND BEYOND THE SEDIMENT LOADING AREA AND SHALL CONFORM TO ALL DESIGN STANDARDS AND POLICIES.
6. ROCK CHECK DAMS ARE TO BE PLACED WITH A MAXIMUM UPSTREAM SLOPE OF 1.5:1 AND A MAXIMUM DOWNSTREAM SLOPE OF 4:1.
7. A TEMPORARY SETTLING TRENCH IS TO BE EXCAVATED IN FRONT OF THE ROCK CHECK DAM TO A MINIMUM DEPTH OF 0.60m WITH A VOLUME OF 3 cu.m.
8. THE ROCK IS TO BE PLACED IN TWO LAYERS, SEPARATED BY A NON-WOVEN GEOTEXTILE. THE FIRST LAYER IS TO CONSIST OF A 150mm DIA. STONE WRAPPED IN THE FABRIC TO A HEIGHT OF 450mm. THE SECOND LAYER IS TO CONSIST OF A 50mm DIA. STONE THAT EXTENDS FROM THE BASE OF THE SETTLING TRENCH TO THE TOP OF THE FIRST LAYER. THE SECOND LAYER IS TO BE A MINIMUM 100mm THICK.
9. THE SECOND LAYER OF STONE SHOULD BE PILED TO ANCHOR THE GEOTEXTILE AND FORM A LOW CENTER SPILLWAY THAT IS A MINIMUM 300mm BELOW THE TOP OF THE CHANNEL BANK.
10. THE CHANNEL DITCH SIDE SLOPES ARE TO BE ARMOR PROTECTED FROM EROSION ON EACH SIDE OF THE ROCK CHECK DAM BY EXTENDING THE STONE ALONG THE DITCH SIDE SLOPES TO A HEIGHT OF 0.70m.
11. IN SWALES AND DITCHES WHERE THERE IS INCREASED SLOPE LENGTH AND/OR SIGNIFICANT GRADIENT, A SERIES OF ROCK CHECK DAMS MUST BE USED.
12. THE HEIGHT OF SUBSEQUENT ROCK CHECK DAMS MUST BE EQUAL TO THE ELEVATION OF THE BASE OF THE PREVIOUS ROCK CHECK DAMS.
13. THE ROCK CHECK DAM IS TO BE REPLACED UPON 50% OF THE HEIGHT OF THE ROCK CHECK DAM BEING COVERED WITH SEDIMENT.
14. CONSTRUCTION PROJECTS SHALL PROVIDE A MINIMUM 3m WIDE VEGETATIVE BUFFER STRIP ALONG THE LIMITS OF THE DEVELOPMENT INCLUDING FRONTAGES ALONG EXISTING ROAD BOULEVARDS.
15. AREAS ADJACENT TO WATERCOURSES SHALL PROVIDE A MINIMUM 15m BUFFER ZONE SETBACK FROM TOP OF BANK (30m FOR COLD WATER FISHERIES) AND/OR AVERAGE HIGH WATER MARK, WHICHEVER IS GREATER.
16. UPON OBSERVATION OF CONTINUOUS MUD TRACKING, OCCURRING ONTO ADJACENT STREETS, THE STONE ENTRANCE PAD IS TO BE FULLY REPLACED.
17. THE SITE PROJECT ENGINEER SHALL UNDERTAKE WEEKLY INSPECTIONS OF ALL SEDIMENT/EROSION CONTROL FACILITIES DURING THE EXTENT OF THE ENTIRE CONSTRUCTION PROJECT INCLUDING THE BUILDING CONSTRUCTION PERIOD AS WELL AS AFTER ALL RAIN EVENTS 13mm OR GREATER.
18. CONSTRUCTION AREAS THAT EXCEED 30 DAYS OF INACTIVITY SHALL BE STABILIZED BY SEEDING. THE IS TO INCLUDE STOCKPILES OF FILL AND TOPSOIL. THE SPECIFICATION FOR SITE STABILIZATION ARE AS FOLLOWS:
    - 18.1. LARGE OPEN AREAS: LOOSEN SOIL TO A DEPTH OF 100mm AND APPLY THE FOLLOWING HYDROSEED MIXTURE (30% ANNUAL RYEGRASS, 40% PERENNAIL RYEGRASS, 15% CREEPING RED FESCUE, 10% TIMOTHY, 5% WHITE CLOVER) WITH VERDOYL MULCH AT A RATE OF 200kg/ha AND A FERTILIZER 8-32-16 AT A RATE OF 450 kg/ha.
    - 18.2. TOPSOIL STOCKPILES: LOOSEN SOIL TO A DEPTH OF 50mm AND APPLY THE HYDROSEED MIXTURE INDICATED IN #1 ABOVE.
    - 18.3. BUFFER ZONES: SPREAD 50mm OF TOPSOIL AND APPLY HYDROSEED MIXTURE, "GREENFIELDS" BY PICKSEED, AT AN APPLICATION RATE OF 200 kg/ha
19. DURING THE CONSTRUCTION PERIOD, WHEN INTERNAL STREETS SYSTEMS HAVE HAD ASPHALT INSTALLED, A STREET CLEANING SCHEDULE WILL BE UNDERTAKEN ON A MINIMUM WEEKLY BASIS, OR AS DIRECTED BY THE MUNICIPALITY OR CONSERVATION AUTHORITY.
20. ALL CATCHBASINS, REAR YARD CATCHBASIN AND CATCHBASIN MANHOLES TO BE INSTALLED WITH A SILT SACK INLET SEDIMENT CONTROL DEVICE.



KEY PLAN
SCALE: N.T.S.

LEGEND

- 000.0 — EXISTING ELEVATION (metres)
- DRAINAGE FLOW
- 150mm DEEP SWALE
- BREAKPOINT (HIGH POINT)
- TEMPORARY ROCK CHECK DAM (AS PER DETAIL)
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GEODETIC BENCHMARK 72U308 — 181.494

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Drawing Title
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EROSION AND SEDIMENT CONTROL PLAN (2 of 2)

Drawn	Checked	Designed	Checked	Date	Drawing No.
KAG	PCC	PCC	PCC	14/12/02	ESC2
Scale: 1:200		Project No.: PCG019510		Revision No.: 4	

File Name: PCG019510ESC.dwg Date Plotted: September 25, 2015 - 1:47 PM