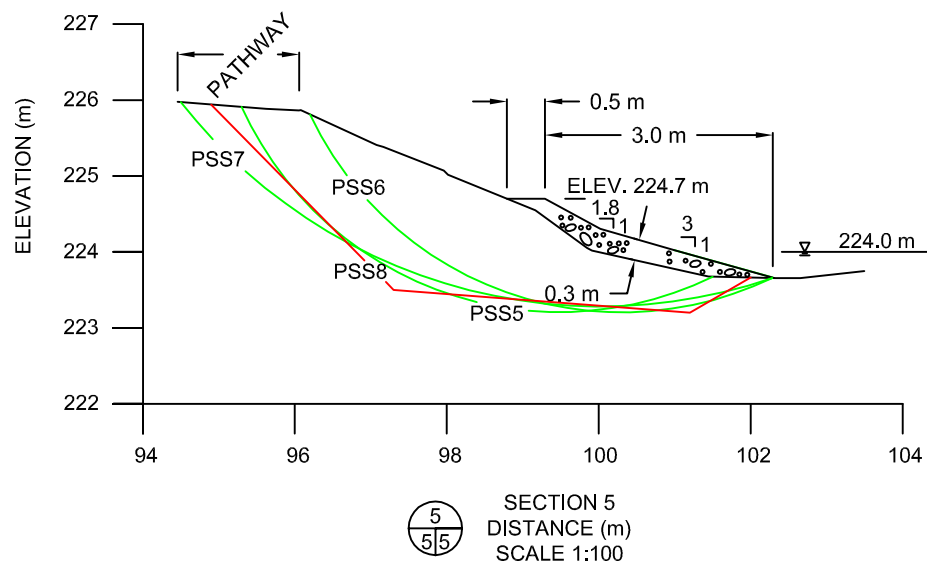
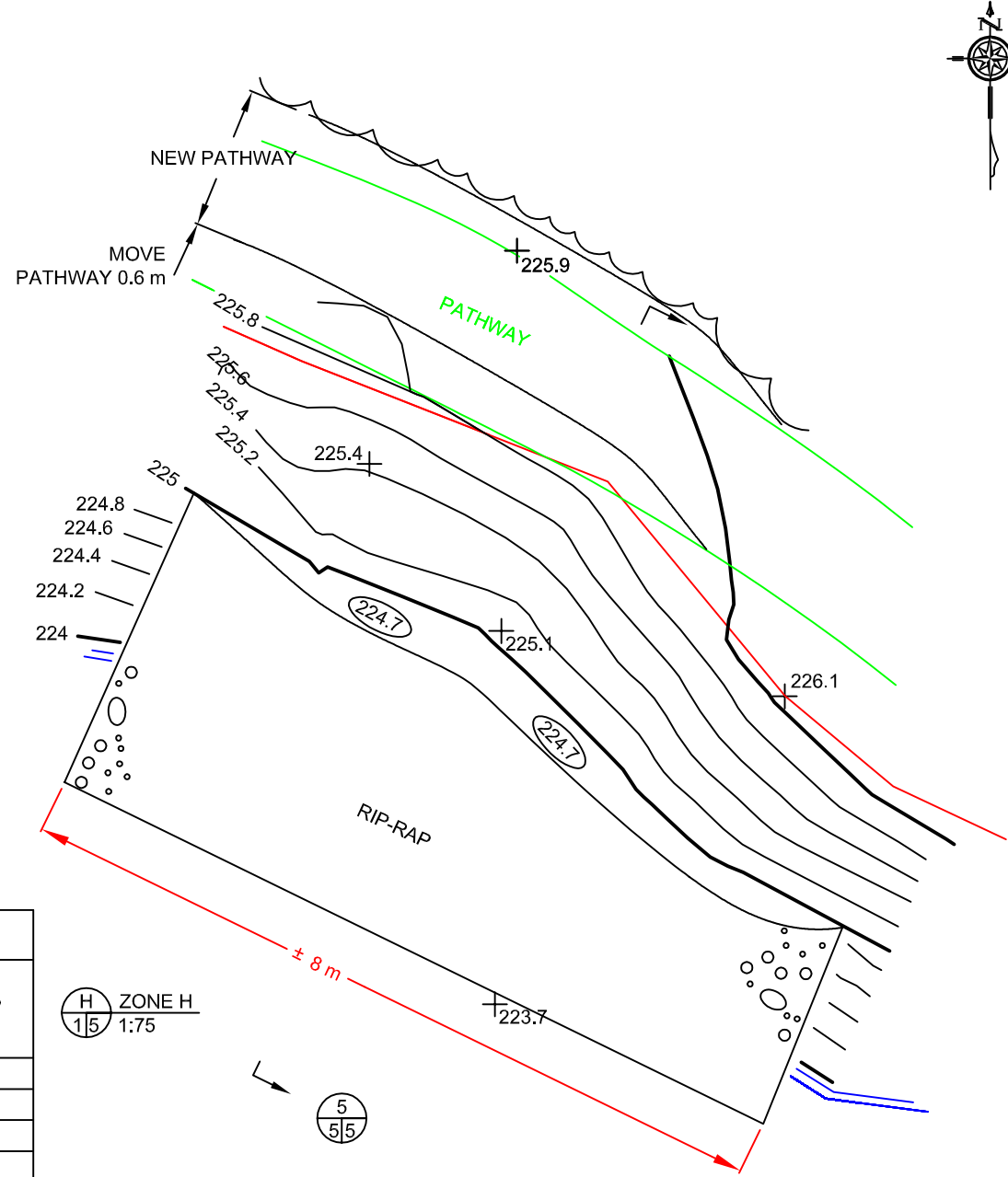


ZONE G
 1:100
 NO RIVERBANK STABILIZATION IN ZONE G

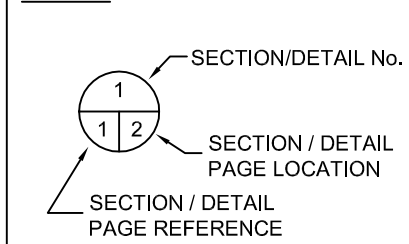
SOIL STRENGTH PARAMETER VALUES USED IN MODELLING			
SOIL TYPE & CLASSIFICATION	BULK DENSITY γ (kN/m ³)	EFFECTIVE COHESION c' (kPa)	EFFECTIVE FRICTION ANGLE ϕ' (°)
BROWN CLAY (CH)	18	3	12
SILTY CLAY (CL)	19	1	18
RIP-RAP	20	0	5

FACTOR OF SAFETY (FS)		
POTENTIAL SLIP SURFACE (PSS)	EXISTING CONDITIONS	RIP-RAP
PSS5 †	0.98	1.14
PSS6	1.10	1.23
PSS3	1.02	1.13
PSS4 ‡	1.09	1.19

† CRITICAL SLIP SURFACE.
 ‡ BLOCK SLIDE.



LEGEND



- \pm 225.1 SPOT ELEVATION
- SHORELINE
- TOP OF BANK
- BUSHES LINE
- 100 mm TO 300 mm RIP-RAP
- PROPOSED ELEVATION

NOTES
 - ZONE H = 12 TONNES OF RIP-RAP.
 - CONTOUR INTERVAL IS 0.2 m.

No.	DATE	ISSUE / REVISION
0	Aug 2015	Report/ Tender

6 - 854 Marion Street
 Winnipeg, MB R2J 0K4
 Phone: (204) 233-1694
 Fax: (204) 235-1579

ENG. STAMP:

APEGM
 Certificate of Authorization
 ENG-TECH Consulting Limited
 No.2475 Expiry: April 30, 2016

CLIENT:
 DEAN SPEARMAN
 LANDSCAPE ARCHITECT

PROJECT:
 SLOPE STABILITY ASSESSMENT AND
 EROSION PROTECTION, BUNN'S
 CREEK PATHWAY, WINNIPEG, MB

DWG DESCRIPTION:
 ZONE G AND H
 PLAN AND SECTION

SCALE:
 AS SHOWN

DRAWN BY:
 ERM

DATE:
 AUGUST 2015

FILE No.:
 15-330-01

CLIENT DWG/FIG. No.:

ENG-TECH DWG/FIG. No.:
 G5

No.: