

METRIC

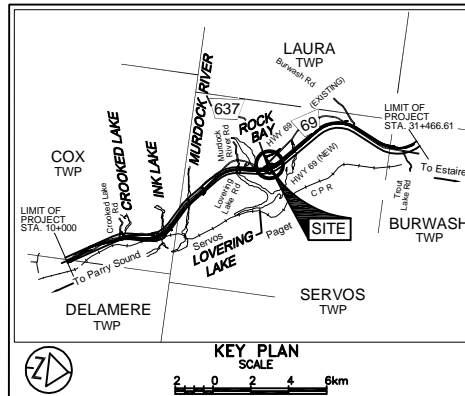
DIMENSIONS ARE IN METRES  
AND/OR MILLIMETRES UNLESS  
OTHERWISE SHOWN. STATIONS  
IN KILOMETRES + METRES

CONT No  
GWP No 5379-02-00



SHEET

**HIGHWAY 69**  
HIGHWAY 69 FOUR-LANING FOR 21.5 km  
From 4.5km North of Hwy 64 to 8.7km North of Hwy 637  
SWAMP 402, STA. 14+187.5 TO 14+330 SERVOS TWP  
**BOREHOLE LOCATIONS**



LEGEND	
	Borehole
	Dynamic Cone Penetration Test (Cone)
	Borehole & Cone
N	Blows/0.3m (Std. Pen Test, 475 J / blow)
CONE	Blows/0.3m (60° Cone, 475 J / blow)
	W L at time of investigation Nov-Dec 2006 and Feb 2007
	Head
	ARTESIAN WATER Encountered
	PIEZOMETER

BH No	ELEVATION	STA SERVOS TWP	o/s CL MED
402-1	209.6	14+187.5	38.5m Lt.
402-2	204.4	14+187.5	CL
402-3	202.9	14+187.5	38.5m Rt.
402-4	205.0	14+200	18.8m Lt.
402-5	203.9	14+200	18.8m Rt.
402-6	205.2	14+212.5	38.5m Lt.
402-7	204.4	14+212.5	CL
402-8	202.9	14+212.5	38.5m Rt.
402-9	205.0	14+225	18.8m Lt.
402-10	203.9	14+225	18.8m Rt.
402-11	202.3	14+240	36.0m Lt.
402-12	201.7	14+240	CL
402-13	200.4	14+240	37.3m Rt.
402-14	202.3	14+250	18.8m Lt.
402-15	201.3	14+250	18.8m Rt.

(Legend Continues)

— NOTE —

The boundaries between soil strata have been established only at Borehole locations. Between Boreholes the boundaries are assumed from geological evidence.

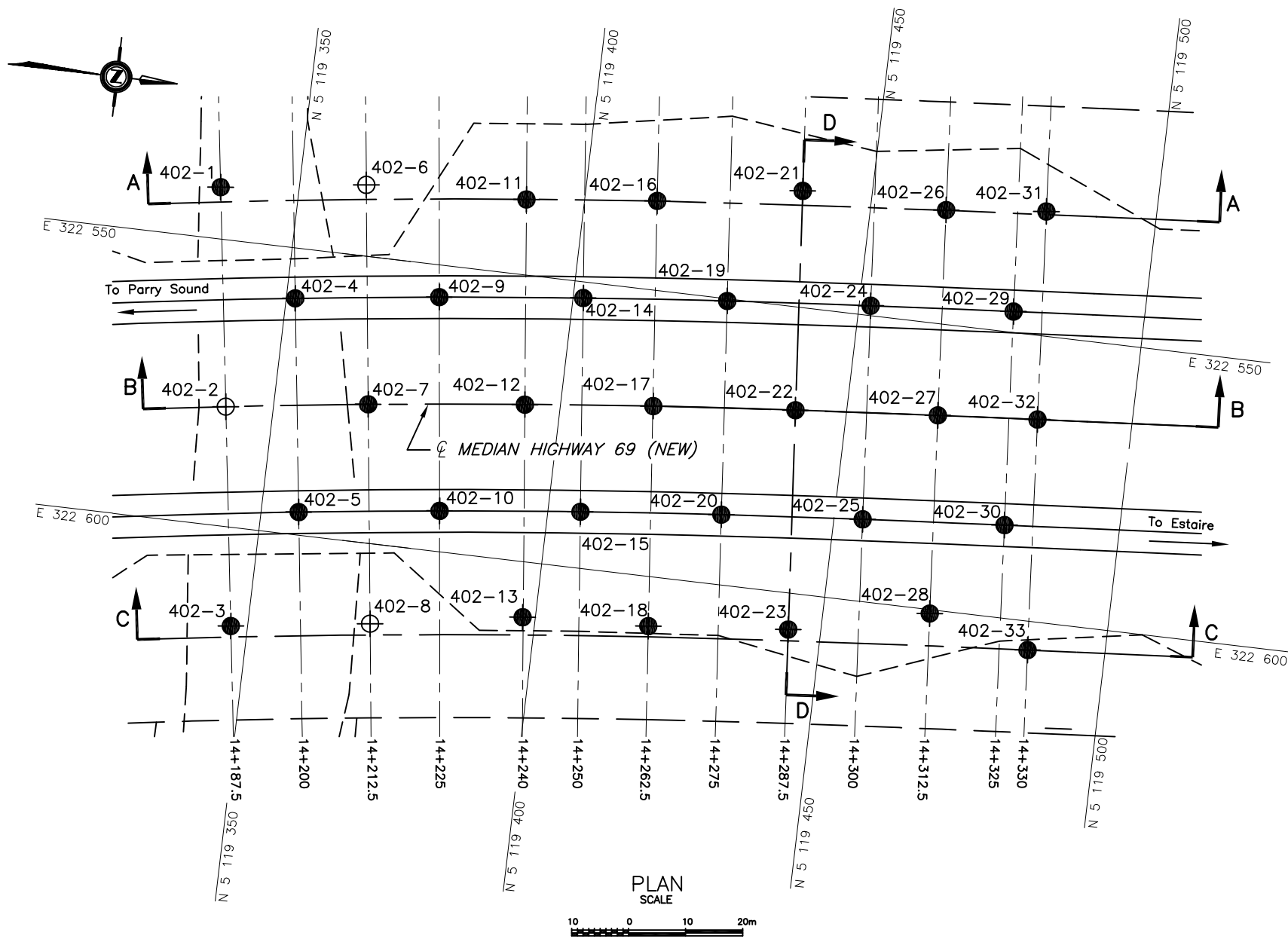
REVISIONS	DATE	BY	DESCRIPTION

Geocres No. 411-206

HWY No	69	DIST	SUDBURY
SUBWD	GD	CHECKED	GD
DRAWN	NA	CHECKED	CN
DATE	JULY 30, 2007	APPROVED	BRG
SITE		DWG	402-1

(Legend Continued)

BH No	ELEVATION	STA SERVOS TWP	o/s CL MED
402-16	202.1	14+262.5	36.0m Lt.
402-17	206.4	14+262.5	CL
402-18	200.3	14+262.5	38.5m Rt.
402-19	202.7	14+275	18.8m Lt.
402-20	200.8	14+275	18.8m Rt.
402-21	201.1	14+287.5	38.5m Lt.
402-22	200.6	14+287.5	CL
402-23	200.2	14+287.5	38.5m Rt.
402-24	201.1	14+300	18.8m Lt.
402-25	200.3	14+300	18.8m Rt.
402-26	204.4	14+312.5	36.0m Lt.
402-27	202.3	14+312.5	CL
402-28	202.4	14+312.5	34.8m Rt.
402-29	204.8	14+325	18.8m Lt.
402-30	208.0	14+325	18.8m Rt.
402-31	209.1	14+330	36.5m Lt.
402-32	210.5	14+330	CL
402-33	208.4	14+330	40.5m Rt.

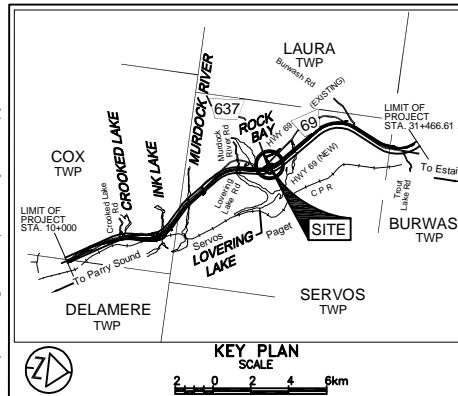


NOTES:

- REFER TO DRAWINGS 402-2 AND 402-3 FOR SECTIONS A-A, B-B, C-C AND D-D.
- THIS DRAWING IS FOR SUBSURFACE INFORMATION ONLY. SURFACE DETAILS AND FEATURES ARE FOR CONCEPTUAL ILLUSTRATION.



REF No. 471\_Preferred\_Plan\_PDR\_FINAL1.dwg;  
2m\_Contours\_nad83.dwg;  
471\_ph\_base\_nad83\_z12.dwg;



LEGEND			
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	Borehole & Cone		
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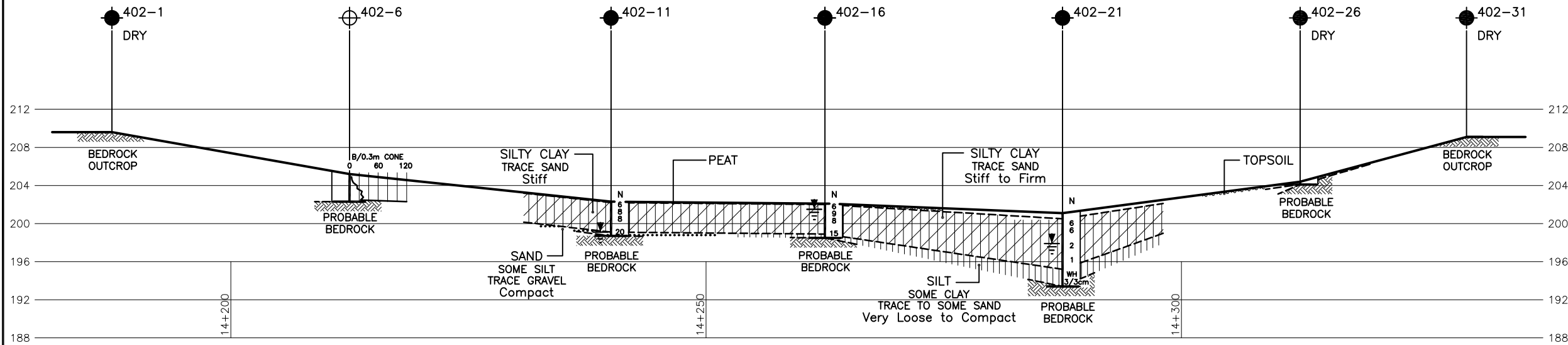
BH No	ELEVATION	STA SERVOS TWP	o/s CL MED
SEE DRAWING 402-1 FOR DETAILS.			

NOTE  
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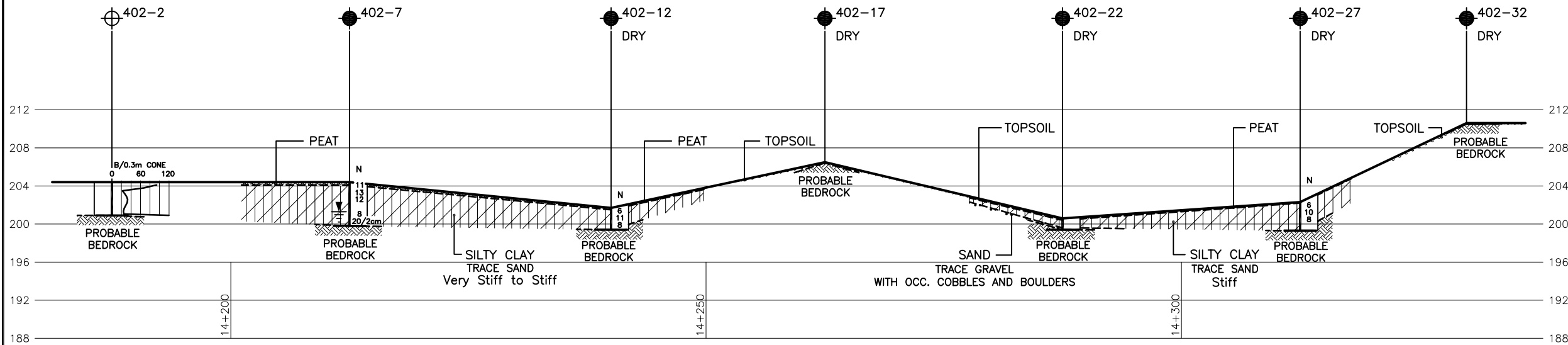
REVISIONS	DATE	BY	DESCRIPTION

Geocres No.411-206

HWY No	69	DIST	SUDBURY
SUBM'D	GD	CHECKED	GD
DRAWN	NA	CHECKED	CN
DATE	JULY 30, 2007	APPROVED	BRG
SITE	---	DWG	402-2



A-A

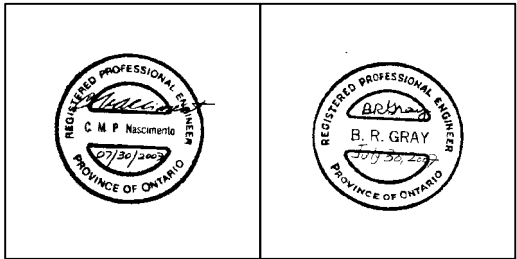


B-B



NOTES:

- REFER TO DRAWING 402-1 FOR BOREHOLE LOCATIONS PLAN AND DRAWING 402-3 FOR SECTIONS C-C AND D-D.
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- THE EMBANKMENT HEIGHT VARIES FROM 3.0M TO 8.0M FOR NBL AND FROM 2.0M TO 8.0M FOR SBL WITHIN THE LIMIT OF SWAMP.



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2m\_Contours\_nad83.dwg;  
471\_ph\_base\_nad83\_z12.dwg;

METRIC

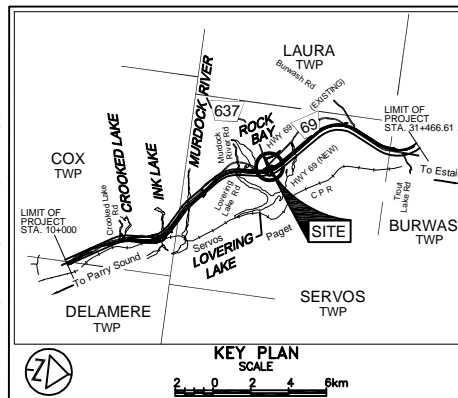
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CONT No  
GWP No 5379-02-00

HIGHWAY 69  
HIGHWAY 69 FOUR-LANING FOR 21.5 km  
From 4.5km North of Hwy 64 to 8.7km North of Hwy 637  
SWAMP 402, STA. 14+240 TO 14+330 SERVOS TWP  
SOIL STRATA

SHEET

Peto MacCallum Ltd.  
CONSULTING ENGINEERS



LEGEND			
	Borehole		
	Dynamic Cone Penetration Test (Cone)		
	Borehole & Cone		
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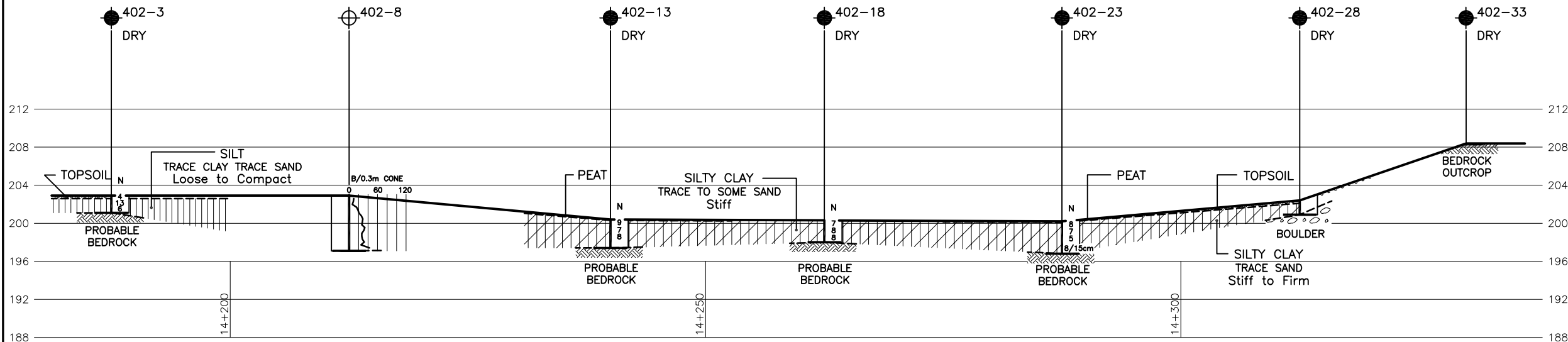
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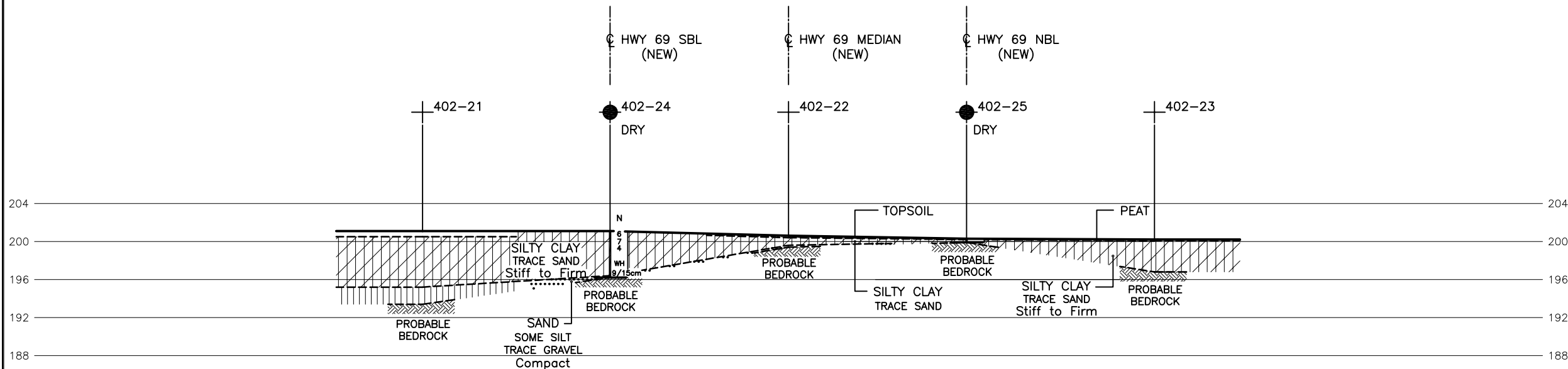
REVISIONS	DATE	BY	DESCRIPTION

Geocres No. 411-206

HWY No	69	DIST	SUDBURY
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DRAWN	NA	CHECKED	CN
DATE	JULY 30, 2007	APPROVED	BRG
SITE	---	DWG	402-3



C-C

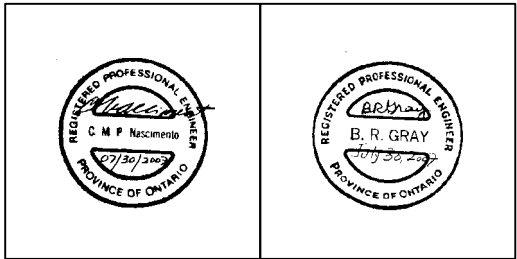


D-D



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