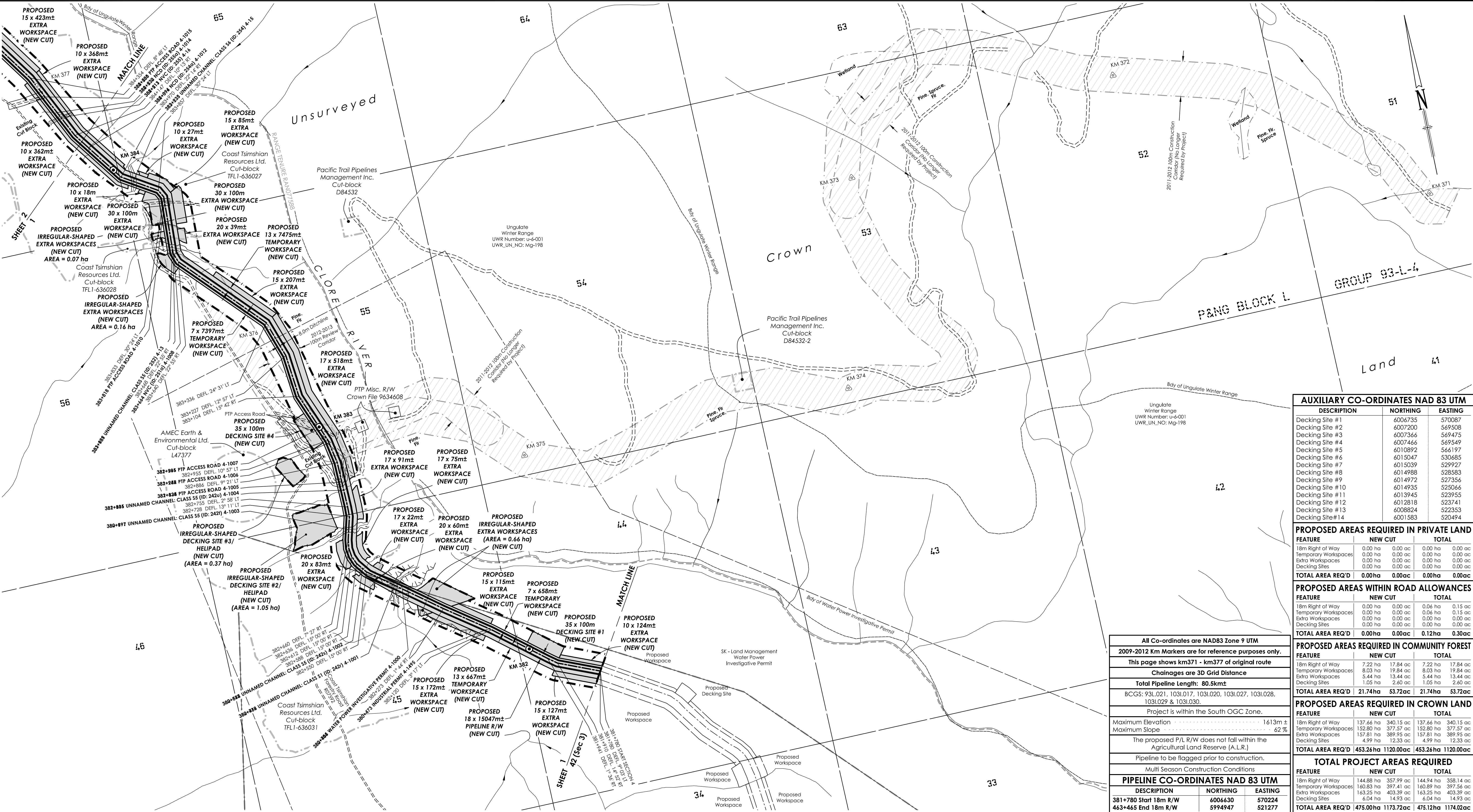




XING #	DESCRIPTION	NORTHING	EASTING	OPERATOR	DWG No.
4-1000	WATER POWER INVESTIGATIVE PERMIT	6006973	569720	SK - LAND MANAGEMENT	
4-1001	UNNAMED CHANNEL: CLASS S1 (ID: 242i)	6006987	569700		
4-1002	UNNAMED CHANNEL: CLASS S5 (ID: 242s)	6007053	569620		
4-1003	UNNAMED CHANNEL: CLASS S5 (ID: 242i)	6007169	569605		
4-1004	UNNAMED CHANNEL: CLASS S5 (ID: 242u)	6007282	569613		
4-1005	PTP ACCESS ROAD	6007305	569613	PTP	
4-1006	PTP ACCESS ROAD	6007427	569600	PTP	
4-1007	PTP ACCESS ROAD	6007468	569583	PTP	
4-1008	NVC (ID: 251a)	6008036	569276		
4-13	UNNAMED CHANNEL: CLASS S5 (ID: 252)	6008057	569276		
4-1010	PTP ACCESS ROAD	6008188	569281	PTP	
4-15	UNNAMED CHANNEL: CLASS S6 (ID: 254)	6008263	569206		
4-1012	NCD (ID: 254a)	6008383	569101		

NOTES:

All underground facilities shown were located with electronic locators and may be subject to error. Actual locations should be verified independently by the contractor in field prior to any crossings. Plus chainages shown are horizontal distances measured along the surveyed boundary of the right-of-way.

LEGEND:

- Drainage shown thus:
- Seismic Line shown thus:
- 2012-2013 Review Corridor shown thus:
- Buried Pipe shown thus:
- 2011-2012 Construction Corridor No Longer Required shown thus:
- Fence line shown thus:
- Crossing Numbers shown thus:
- Powerpole & guy wire shown thus:
- Cut block/Woodlot boundary shown thus:
- Top of bank/break in slope shown thus:
- Above ground pipe shown thus:
- A.L.R. boundary shown thus:
- 2013 KM Markers shown thus:
- 2009-2012 KM Markers shown thus:
- NVC - Non Visible Channel
- Vegetation Change shown thus:
- Logging Trail shown thus:
- Forest Service Road shown thus:
- Buried Cable shown thus:
- Overhead Powerlines shown thus:
- Community Forest boundary:
- BC - Begin Curve; EC - End Curve
- Hooked Parcel shown thus:

NVC - Non Visible Channel

Vegetation Change shown thus:

Logging Trail shown thus:

Forest Service Road shown thus:

Buried Cable shown thus:

Overhead Powerlines shown thus:

Community Forest boundary:

BC - Begin Curve; EC - End Curve

Hooked Parcel shown thus:

No.	REVISIONS	BY	DATE (YY/MM/DD)	CKD
0	Original Plan Issued	JMS, OT	12/12/13	BP
1	Revised Workspaces	WC	13/02/04	CD
2	Updated 3D Chainages and KM Posts	WC	13/04/12	BP
3	Revised Project Areas (Nimbus), New EPASS	OT	13/10/10	BP
4	Revised Crossings on Page 4, New EPASS	OT	13/10/17	BP

APPROVED BY

PROJECT ENGINEER

PACIFIC TRAIL PIPELINES MANAGEMENT INC.

PLAN SHOWING PROPOSED
18m PIPELINE R/W FROM
b-44-L, 93-L-4
TO DL 6084 (b-24-G, 103-L-2)

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can-am geomatics bc
Fort Nelson, B.C.
www.canam.com

BCGS 93L.021
SCALE = 1 : 5,000
50 0 100 200 300
METRES
SHEET 1 OF 21

FIELD: CAN-AM FILE: N20120168	
CLIENT FILE:	
AFE No.:	4
CAD FILE: N20120168PLSec4Pg1-Lrev_30	
LAND FILE:	
DATE: 12/12/13	REVISION
EPASS: 10044340	

DESCRIPTION	NORTHING	EASTING
Decking Site #1	6006735	570087
Decking Site #2	6007200	569508
Decking Site #3	6007366	569475
Decking Site #4	6007466	569549
Decking Site #5	6010892	566197
Decking Site #6	6015047	530685
Decking Site #7	6015039	529927
Decking Site #8	6014988	528583
Decking Site #9	6014972	527356
Decking Site #10	6014935	525066
Decking Site #11	6013945	523955
Decking Site #12	6012818	523741
Decking Site #13	6008824	522353
Decking Site #14	6001583	520494

FEATURE	NEW CUT	TOTAL
18m Right of Way	0.00 ha	0.00 ac
Temporary Workspaces	0.00 ha	0.00 ac
Extra Workspaces	0.00 ha	0.00 ac
Decking Sites	0.00 ha	0.00 ac
TOTAL AREA REQ'D	0.00ha	0.00ac

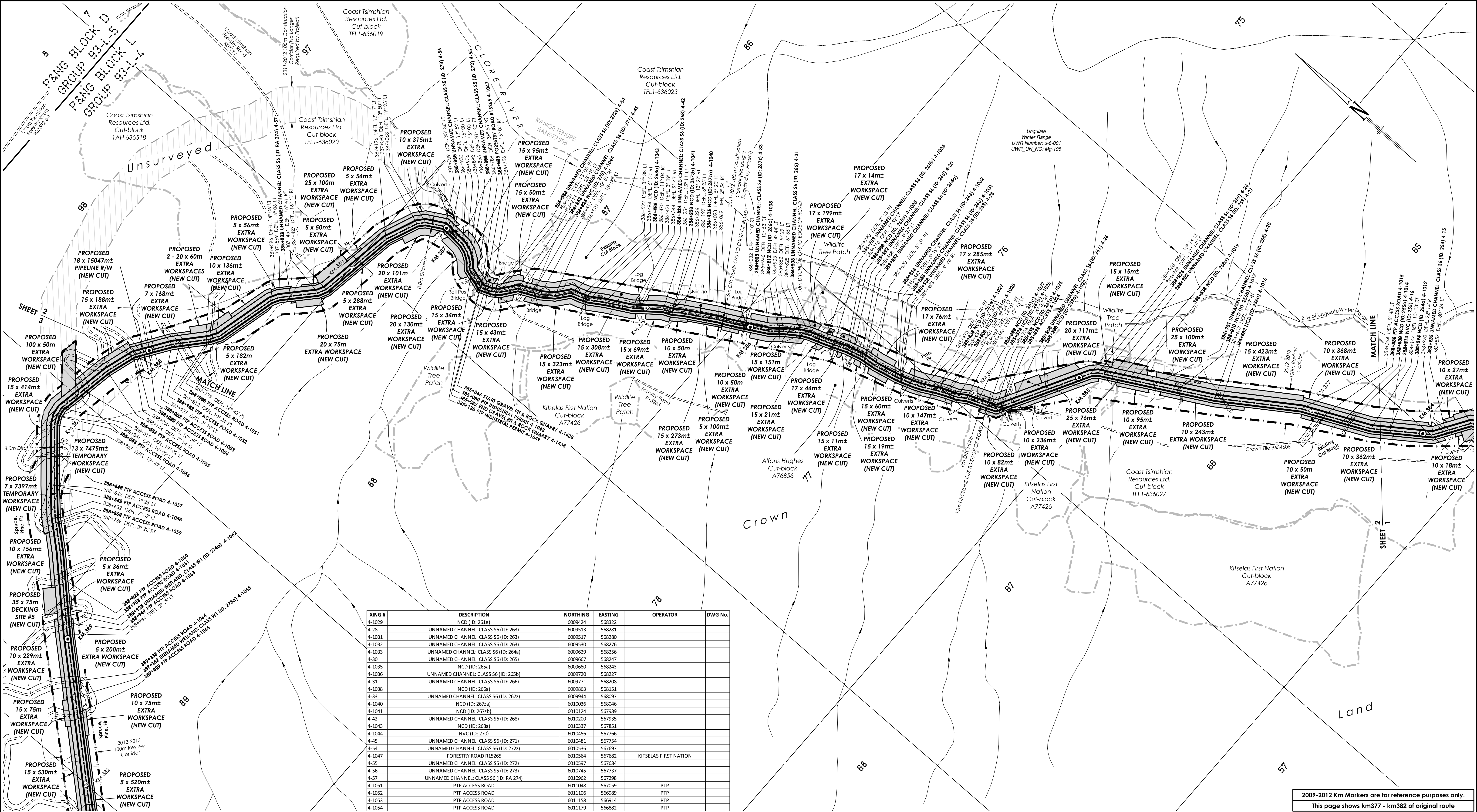
FEATURE	NEW CUT	TOTAL
18m Right of Way	0.00 ha	0.06 ha
Temporary Workspaces	0.00 ha	0.06 ha
Extra Workspaces	0.00 ha	0.00 ha
Decking Sites	0.00 ha	0.00 ha
TOTAL AREA REQ'D	0.00ha	0.12ha

FEATURE	NEW CUT	TOTAL
18m Right of Way	7.22 ha	17.84 ac
Temporary Workspaces	8.03 ha	19.84 ac
Extra Workspaces	5.44 ha	13.44 ac
Decking Sites	1.05 ha	2.60 ac
TOTAL AREA REQ'D	21.74ha	53.72ac

FEATURE	NEW CUT	TOTAL
18m Right of Way	137.66 ha	340.15 ac
Temporary Workspaces	152.80 ha	377.57 ac
Extra Workspaces	157.81 ha	389.95 ac
Decking Sites	4.99 ha	12.33 ac
TOTAL AREA REQ'D	453.26ha	1120.00ac

FEATURE	NEW CUT	TOTAL
18m Right of Way	144.88 ha	357.99 ac
Temporary Workspaces	160.83 ha	397.41 ac
Extra Workspaces	163.25 ha	403.39 ac
Decking Sites	6.04 ha	14.93 ac
TOTAL AREA REQ'D	475.00ha	1173.72ac

DESCRIPTION	NORTHING	EASTING
381+780 Start 18m R/W	6006630	570224
463+465 End 18m R/W	5994947	521277



XING #	DESCRIPTION	NORTHING	EASTING	OPERATOR	DWG No.
4-16	NVC (ID: 255)	6008483	569041		
4-1014	NCD (ID: 255a)	6008499	569033		
4-1015	PTP ACCESS ROAD	6008550	569008	PTP	
4-1016	NCD (ID: 256a)	6008797	568849		
4-1017	NCD (ID: 256b)	6008906	568784		
4-20	UNNAMED CHANNEL: CLASS S6 (ID: 258)	6008968	568749		
4-1019	NCD (ID: 259a)	6009018	568721		
4-21	UNNAMED CHANNEL: CLASS S6 (ID: 259)	6009073	568689		
4-24	UNNAMED CHANNEL: CLASS S6 (ID: 259)	6009093	568678		
4-1022	NCD (ID: 259a)	6009186	568534		
4-26	UNNAMED CHANNEL: CLASS S6 (ID: 261)	6009233	568445		
4-1024	ACCESS	6009248	568417	PTP	
4-1025	NCD (ID: 261a)	6009249	568414		
4-1026	NCD (ID: 261b)	6009276	568392		
4-1027	NCD (ID: 261c)	6009308	568378		
4-1028	NCD (ID: 261d)	6009393	568336		

NOTES:

All underground facilities shown were located with electronic locators and may be subject to error. Actual locations should be verified independently by the contractor in field prior to any crossings. Plus chainages shown are horizontal distances measured along the surveyed boundary of the right-of-way.

LEGEND:

- Drainage shown thus:
- Seismic Line shown thus:
- 2012-2013 Review Corridor shown thus:
- Buried Pipe shown thus:
- 2011-2012 Construction Corridor No Longer Required shown thus:
- Fence line shown thus:
- Crossing Numbers shown thus:
- Powerpole & guy wire shown thus:
- Cut block/Woodlot boundary
- Top of bank/break in slope
- Above ground pipe shown thus:
- A.L.R. boundary shown thus:
- 2013 KM Markers shown thus:
- 2009-2012 KM Markers shown thus:

NVC - Non Visible Channel

Vegetation Change shown thus:

Logging Trail shown thus:

Forest Service Road shown thus:

Buried Cable shown thus:

Overhead Powerlines shown thus:

Community Forest boundary:

BC - Begin Curve; EC - End Curve

Hooked Parcel shown thus:

No.	REVISIONS	BY	DATE (YY/MM/DD)	CKD
0	Original Plan Issued	JMS, OT	12/12/13	BP
1	Revised Workspaces	WC	13/02/04	CD
2	Updated 3D Chainages and KM Posts	WC	13/04/12	BP
3	Revised Project Areas (Nimbus), New EPASS	OT	13/10/10	BP
4	Revised Crossings on Page 4, New EPASS	OT	13/10/17	BP

APPROVED BY

PROJECT ENGINEER

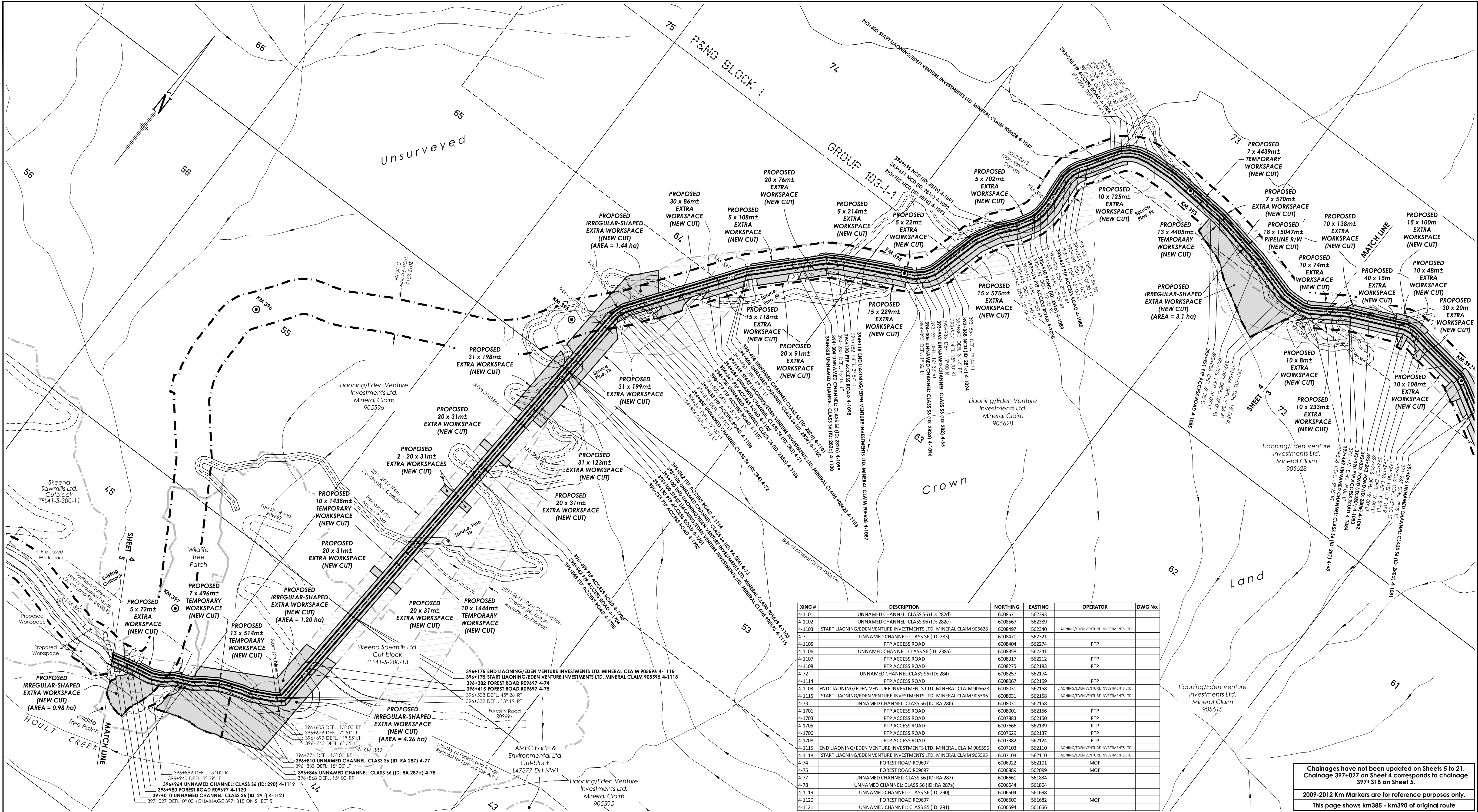
PACIFIC TRAIL PIPELINES MANAGEMENT INC.

PLAN SHOWING PROPOSED
18m PIPELINE R/W FROM
b-44-L, 93-L-4
TO DL 6084 (b-24-G, 103-L-2)

can-am geomatics
can-am geomatics bc
Fort Nelson, B.C.
www.canam.com

BCGS 93L-021
SCALE = 1 : 5,000
SHEET 2 OF 21

FIELD:	
CAN-AM FILE: N20120168	
CLIENT FILE:	
AFE No.:	CAD FILE: N20120168SecA-Fgl-Lrev_30
LAND FILE:	DATE: 12/12/13
EPASS: 10044340	REVISION



XING #	DESCRIPTION	NORTHING	EASTING	OPERATOR	DWG No.
4-1101	UNNAMED CHANNEL: CLASS S6 (ID: 282d)	6008571	562393		
4-1102	UNNAMED CHANNEL: CLASS S6 (ID: 282e)	6008567	562389		
4-1103	START LIAONING/EDEN VENTURE INVESTMENTS LTD. MINERAL CLAIM 905628	6008497	562340	LIAONING/EDEN VENTURE INVESTMENTS LTD.	
4-71	UNNAMED CHANNEL: CLASS S6 (ID: 283)	6008470	562321		
4-1105	PTP ACCESS ROAD	6008404	562274	PTP	
4-1106	UNNAMED CHANNEL: CLASS S6 (ID: 238a)	6008358	562241		
4-1107	PTP ACCESS ROAD	6008317	562212	PTP	
4-1108	PTP ACCESS ROAD	6008275	562183	PTP	
4-72	UNNAMED CHANNEL: CLASS S6 (ID: 284)	6008257	562174		
4-1114	PTP ACCESS ROAD	6008067	562159	PTP	
4-1103	END LIAONING/EDEN VENTURE INVESTMENTS LTD. MINERAL CLAIM 905628	6008031	562158	LIAONING/EDEN VENTURE INVESTMENTS LTD.	
4-1115	START LIAONING/EDEN VENTURE INVESTMENTS LTD. MINERAL CLAIM 905596	6008031	562158	LIAONING/EDEN VENTURE INVESTMENTS LTD.	
4-73	UNNAMED CHANNEL: CLASS S6 (ID: RA 286)	6008031	562158		
4-1701	PTP ACCESS ROAD	6008001	562156	PTP	
4-1703	PTP ACCESS ROAD	6007883	562150	PTP	
4-1705	PTP ACCESS ROAD	6007666	562139	PTP	
4-1706	PTP ACCESS ROAD	6007629	562137	PTP	
4-1708	PTP ACCESS ROAD	6007382	562124	PTP	
4-1115	END LIAONING/EDEN VENTURE INVESTMENTS LTD. MINERAL CLAIM 905596	6007103	562110	LIAONING/EDEN VENTURE INVESTMENTS LTD.	
4-1118	START LIAONING/EDEN VENTURE INVESTMENTS LTD. MINERAL CLAIM 905595	6007103	562110	LIAONING/EDEN VENTURE INVESTMENTS LTD.	
4-74	FOREST ROAD R09697	6006922	562101	MOF	
4-75	FOREST ROAD R09697	6006889	562099	MOF	
4-77	UNNAMED CHANNEL: CLASS S6 (ID: RA 287)	6006661	561834		
4-1118	UNNAMED CHANNEL: CLASS S6 (ID: RA 287a)	6006644	561804		
4-1119	UNNAMED CHANNEL: CLASS S6 (ID: 290)	6006604	561698		
4-1120	FOREST ROAD R09697	6006600	561682	MOF	
4-1121	UNNAMED CHANNEL: CLASS S5 (ID: 291)	6006594	561656		

XING #	DESCRIPTION	NORTHING	EASTING	OPERATOR	DWG No.
4-1085	PTP ACCESS ROAD	6009518.844	563319.769	PTP	
4-1086	PTP ACCESS ROAD	6009467.929	563308.878	PTP	
4-1087	START LIAONING/EDEN VENTURE INVESTMENTS LTD. MINERAL CLAIM 905628	6009413.013	562986.956	LIAONING/EDEN VENTURE INVESTMENTS LTD.	
4-1088	PTP ACCESS ROAD	6009280.304	562943.678	PTP	
4-1089	POND (ID: 281a)	6009189.258	562939.277		
4-1090	PTP ACCESS ROAD	6009142.718	562913.986	PTP	
4-1091	NCD (ID: 281b)	6009125.922	562900.658		
4-1092	NCD (ID: 281c)	6009113.945	562890.774		
4-1093	NCD (ID: 281d)	6009029.590	562842.985		
4-1094	NCD (ID: 281e)	6008927.162	562816.523		
4-65	UNNAMED CHANNEL: CLASS S6 (ID: 282)	6008856.264	562775.985		
4-1096	UNNAMED CHANNEL: CLASS S6 (ID: 282a)	6008835.702	562739.574		
4-1087	END LIAONING/EDEN VENTURE INVESTMENTS LTD. MINERAL CLAIM 905628	6008785.001	562641.462	LIAONING/EDEN VENTURE INVESTMENTS LTD.	
4-1098	PTP ACCESS ROAD	6008747.575	562572.037	PTP	
4-1099	UNNAMED CHANNEL: CLASS S6 (ID: 282b)	6008678.604	562495.210		
4-1100	UNNAMED CHANNEL: CLASS S6 (ID: 282c)	6008661.056	562478.548		

NOTES:
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LEGEND:

Drainage shown thus:

Seismic line shown thus:

2012-2013 Review Corridor shown thus:

Buried Pipe shown thus:

2011-2012 Construction Corridor No Longer Required shown thus:

Fence line shown thus:

Crossing Numbers shown thus: **4-1000**

Powerpole & guy wire shown thus:

Cut block/Woodlot boundary

Top of bank/break in slope

Above ground pipe shown thus:

A.L.R. boundary shown thus:

2013 KM Markers shown thus:

2009-2012 KM Markers shown thus:

NVC - Non Visible Channel

Vegetation Change shown thus:

Logging Trail shown thus:

Forest Service Road shown thus:

Buried Cable shown thus:

Overhead Powerlines shown thus:

Community Forest boundary:

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Hooked Parcel shown thus:

No.	REVISIONS	BY	DATE (YY/MM/DD)	CKD
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2	Updated 3D Chainages and KM Posts	WC	13/04/12	BP
3	Revised Project Areas (Nimbus), New EPASS	OT	13/10/10	BP
4	Revised Crossings on Page 4, New EPASS	OT	13/10/17	BP

APPROVED BY _____

PROJECT ENGINEER _____

PACIFIC TRAIL PIPELINES MANAGEMENT INC.

PLAN SHOWING PROPOSED 18m PIPELINE R/W FROM b-44-L, 93-L-4 TO DL 6084 (b-24-G, 103-I-2)

can-am geomatics
Phone: 250.774.7881
Fax: 250.774.7882

BCGS 1031.030
SCALE = 1 : 5,000

SHEET 4 OF 21

FIELD:
CAN-AM FILE: N20120168
CLIENT FILE: _____
AFE No.: _____
CAD FILE: N20120168P-36c-L-Fg-L-2b-v4_3D
LAND FILE: _____
DATE: 12/12/13
EPASS: 10044340

REVISION

Chainages have not been updated on Sheets 5 to 21. Chainage 397+027 on Sheet 4 corresponds to chainage 397+318 on Sheet 5.

2009-2012 Km Markers are for reference purposes only.

This page shows km385 - km390 of original route