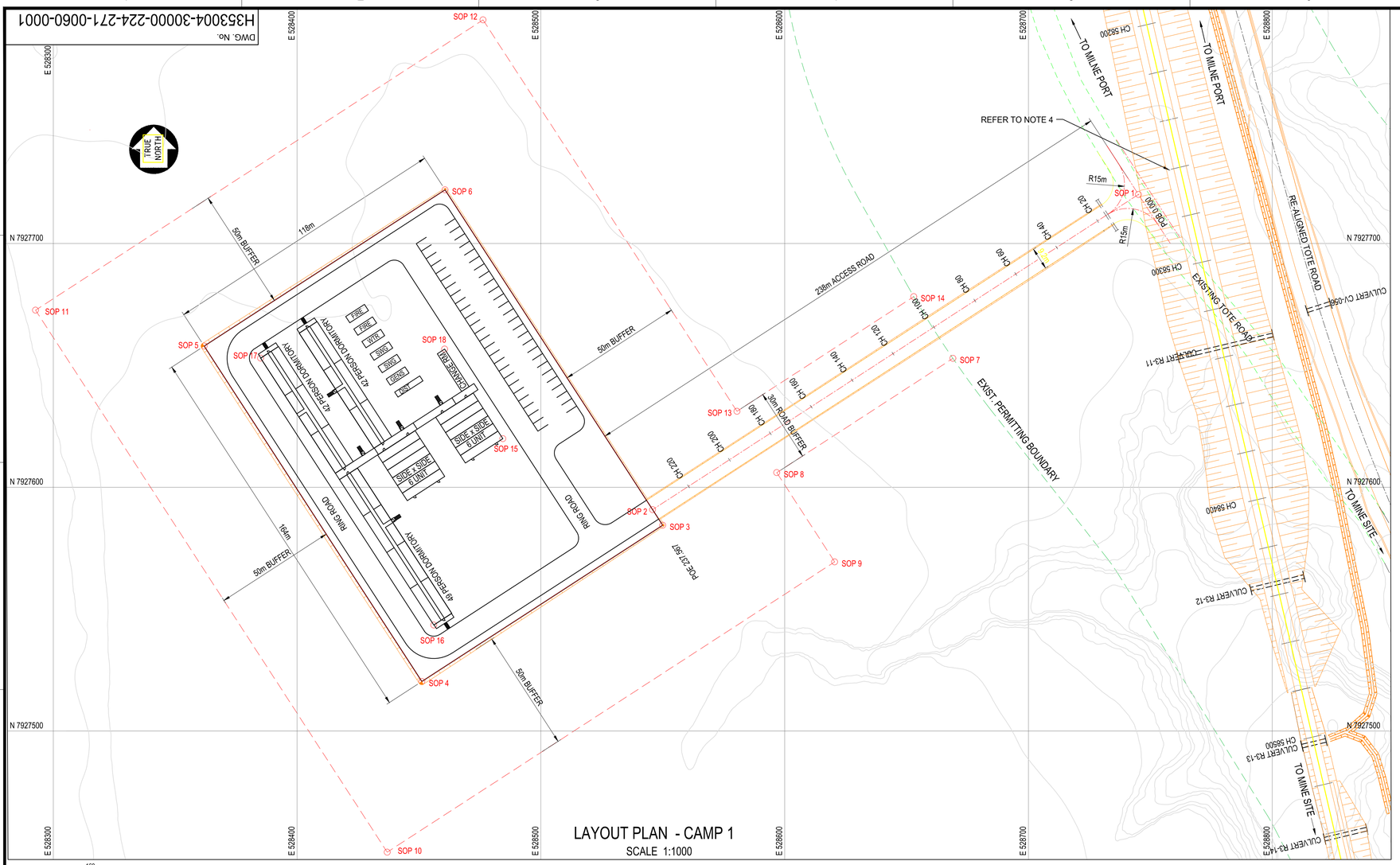
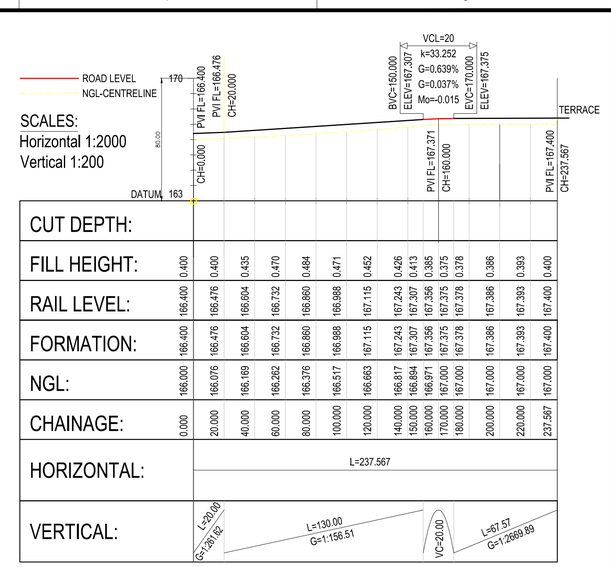
DWG. No. H353004-30000-224-271-0060-0001

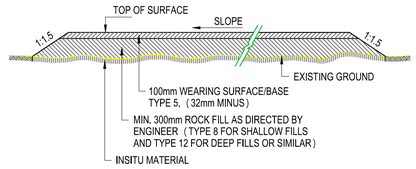


LAYOUT PLAN - CAMP 1

SCALE 1:1000



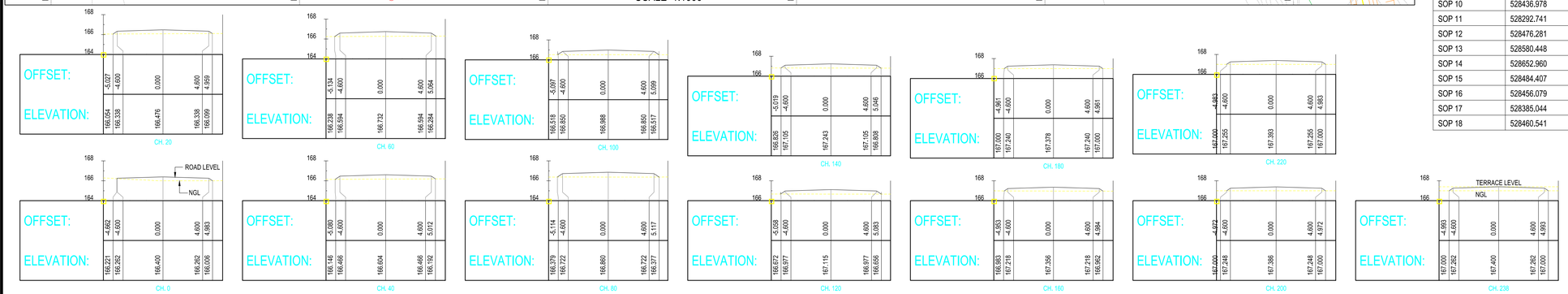
ACCESS ROAD LONGITUDINAL SECTION



TYPICAL PAD EARTHWORKS SECTION

SCALE 1:25

CO-ORDINATE LIST UTM (NAD83) ZONE 17			
	E	N	Z
SOP 1	528745.125	7927720.118	
SOP 2	528545.828	7927590.818	
SOP 3 PAD	528549.976	7927584.425	167.400
SOP 4 PAD	528451.165	7927520.319	167.870
SOP 5 PAD	528361.900	7927657.908	167.870
SOP 6 PAD	528460.710	7927722.014	167.400
SOP 7	528669.009	7927652.855	
SOP 8	528596.776	7927605.992	
SOP 9	528620.518	7927569.398	
SOP 10	528436.978	7927450.320	
SOP 11	528292.741	7927672.640	
SOP 12	528476.281	7927791.717	
SOP 13	528580.448	7927631.159	
SOP 14	528652.960	7927678.203	
SOP 15	528484.407	7927619.918	
SOP 16	528456.079	7927543.495	
SOP 17	528385.044	7927652.963	
SOP 18	528460.541	7927656.697	



ACCESS ROAD CROSS SECTIONS

SCALE 1:200 (HOR. AND VERT.)

GENERAL NOTES:

1. CO-ORDINATE GRID SHOWN IS UTM NAD 83 ZONE 17 AND IS IN METERS..
2. CONTOURS ARE IN METERS. CONTOUR INTERVAL IS 1m.
3. ALL DIMENSIONS SHOWN ARE IN METERS, UNLESS OTHERWISE SPECIFIED.
4. TEMPORARY LEVEL CROSSING TO BE PROVIDED ON SITE DURING CONSTRUCTION, TO PROVIDE ACCESS FROM NEW DIVERTED TOTE ROAD TO TEMPORARY CONSTRUCTION CAMP NO. 1.

PERMIT TO PRACTICE
HATCH LTD.
Signature
Date
PERMIT NUMBER: P 512
The Association of Professional Engineers, Geologists and Geophysicists of NWT/NU

DRAWING No.	DRAWING TITLE
H353004-30000-224-294-0010-0001	TYPICAL HAUL ROAD CROSS SECTION

REFERENCE DRAWINGS

REG. PROFESSIONAL

APPROVED FOR CONSTRUCTION

THIS DRAWING WAS PREPARED BY HATCH LTD. ("HATCH") FOR THE EXCLUSIVE USE OF BAFFINLAND IRON MINES LP ("CLIENT") AND ITS USE IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT BETWEEN HATCH AND THE THE CLIENT, INCLUDING ANY LIMITATIONS ON LIABILITY CONTAINED THEREIN. THIS DRAWING AND ITS CONTENTS REMAIN THE INTELLECTUAL PROPERTY OF HATCH SUBJECT TO CLIENT'S ROYALTY-FREE, IRREVOCABLE, PERPETUAL AND NON-EXCLUSIVE LICENSE TO USE AND REPRODUCE THE DRAWING FOR PURPOSES CONNECTED WITH THE PROJECT, INCLUDING THE CONSTRUCTION, COMPLETION, MAINTENANCE, EXTENSION, REINSTATEMENT AND REPAIR OF THE PROJECT. THIS DRAWING, AND THE INFORMATION CONTAINED HEREIN, SHALL BE TREATED AS CONFIDENTIAL FOR ALL OTHER PURPOSES AND SHALL NOT BE MODIFIED WITHOUT THE WRITTEN CONSENT OF HATCH.

No.	DESCRIPTION	BY	CHK'D	DATE
1	TERRACE UPDATED TO SUIT 150 PERSON CAMP.	AJVN	.	2021/09/09
0	APPROVED FOR CONSTRUCTION	AJVN	.	2021/07/16

REVISIONS

HATCH

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	A VAN NIEKERK	NR	2021/07/16
DESIGNER	A VAN NIEKERK	NR	2021/07/16
CHECKER	J BALDWIN		
DESIGN COORD.	L NGWENYA		2021/09/10
RESP. ENG.	R HALIM		
LEAD DISC. ENG.	F VAN BILJON		
AREA LEAD	L NGWENYA		2021/09/10
ENG. MANAGER	F VAN BILJON		
AREA MANAGER	F PITTMAN		

DRAWING APPROVAL STATUS: Approved For Construction

Baffinland

BAFFINLAND IRON MINES LP
MARY RIVER EXPANSION PROJECT

RAIL SITE
CAMP 1 PAD AND ACCESS ROAD
LAYOUT, LONGITUDINAL AND CROSS SECTIONS

SCALE: AS NOTED OR AS NOTED
DWG. No. H353004-30000-224-271-0060-0001
REV 1

SHEET SIZE: A1

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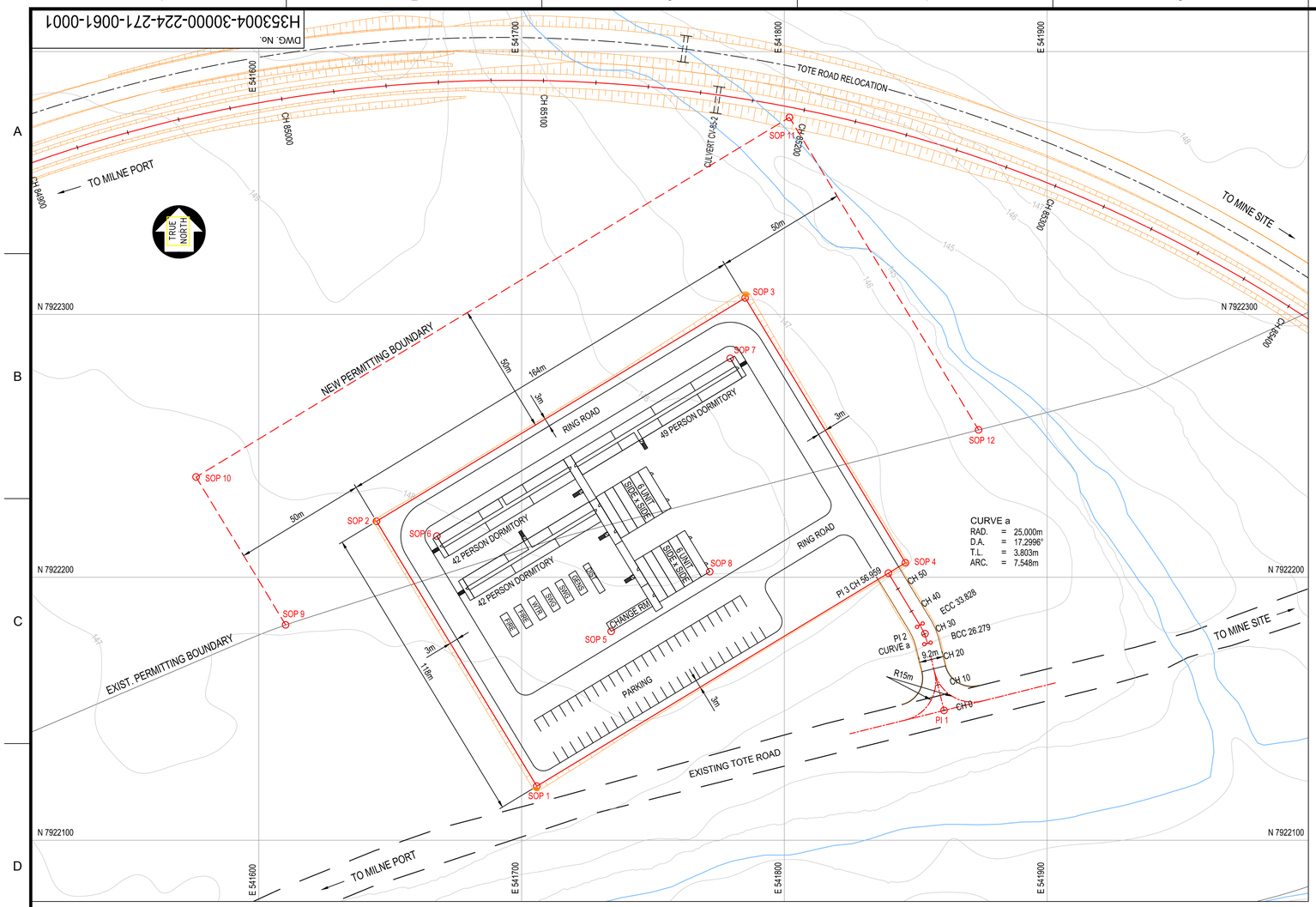
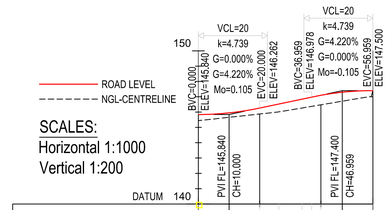


DWG. No. H353004-30000-224-271-0061-0001

TYPICAL PAD EARTHWORKS SECTION

SCALE 1:1000



SCALES:
Horizontal 1:1000
Vertical 1:200

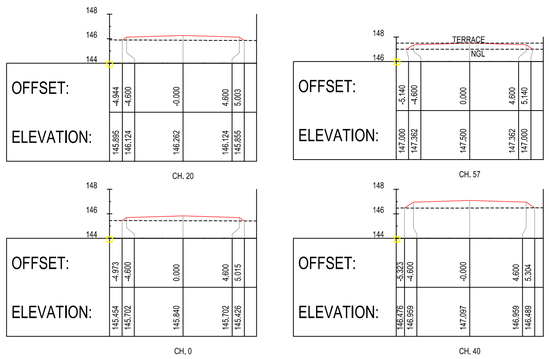
CUT DEPTH:									
FILL HEIGHT:	0.400	0.288	0.388	0.513	0.579	0.695	0.622	0.500	
FORMATION:	145.840	145.956	146.262	146.527	146.846	146.978	147.097	147.500	
NGL:	145.440	145.658	145.874	146.014	146.267	146.373	146.475	147.000	
CHAINAGE:	0.000	0.000	20.000	26.279	33.828	36.959	40.000	56.959	
HORIZONTAL:		L=26.279			R=-25.000			L=23.132	
VERTICAL:		VC=20.00			L=16.96 G=1.23/10			VC=20.00	

ACCESS ROAD LONGITUDINAL SECION

GENERAL NOTES:

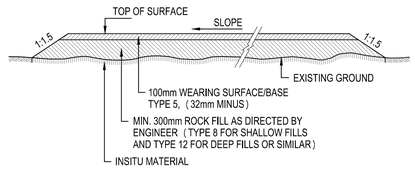
1. CO-ORDINATE GRID SHOWN IS UTM NAD 83 ZONE 17 AND IS IN METERS.
2. CONTOURS ARE IN METERS. CONTOUR INTERVAL IS 1m.
3. ALL DIMENSIONS SHOWN ARE IN METERS, UNLESS OTHERWISE SPECIFIED.

CO-ORDINATE LIST UTM84-17N			
	E	N	Z
PI 1 ACCESS ROAD	541860.790	7922149.350	
PI 2 CURVE a	541853.561	7922178.551	
PI 3 ACCESS ROAD	541839.606	7922201.589	
SOP 1 PAD	541705.826	7922120.553	147.500
SOP 2 PAD	541644.802	7922221.296	148.500
SOP 3 PAD	541785.082	7922306.270	148.500
SOP 4 PAD	541846.107	7922205.526	147.500
SOP 5	541734.122	7922179.423	
SOP 6	541667.789	7922215.667	
SOP 7	541779.411	7922283.267	
SOP 8	541771.625	7922202.135	
SOP 9	541610.219	7922181.881	
SOP 10	541576.131	7922238.158	
SOP 11	541801.944	7922374.941	
SOP 12	541873.961	7922256.048	



ACCESS ROAD CROSS SECTIONS

SCALE 1:200 (HOR. AND VERT.)



TYPICAL PAD EARTHWORKS SECTION

SCALE 1:25

PERMIT TO PRACTICE
HATCH LTD.
Signature
Date
PERMIT NUMBER: P 512
The Association of Professional Engineers, Geologists and Geophysicists of NWT/NU

DRAWING No.	DRAWING TITLE
H353004-30000-224-294-0010-0001	TYPICAL HAUL ROAD CROSS SECTION

REFERENCE DRAWINGS

REG. PROFESSIONAL

APPROVED FOR CONSTRUCTION

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No.	DESCRIPTION	BY	CHK'D	DATE
1	TERRACE UPDATED TO SUIT 150 PERSON CAMP.	AJVN	.	2021/09/09
0	APPROVED FOR CONSTRUCTION.	AJVN	.	2021/07/16

REVISIONS

HATCH

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	A VAN NIEKERK	NR	2021/07/16
DESIGNER	A VAN NIEKERK	NR	2021/07/16
CHECKER	J BALDWIN		
DESIGN COORD.	L NGWENYA		2021/09/
RESP. ENG.	R HALIM		
LEAD DISC. ENG.	F VAN BILJON		
AREA LEAD	L NGWENYA		2021/09/
ENG. MANAGER	F VAN BILJON		
AREA MANAGER	F PITTMAN		

DRAWING APPROVAL STATUS: Approved For Construction

Baffinland

BAFFINLAND IRON MINES LP
MARY RIVER EXPANSION PROJECT

RAIL SITE
CAMP 2 PAD AND ACCESS ROAD
LAYOUT, LONGITUDINAL AND CROSS SECTIONS

SCALE AS NOTED OR AS NOTED | DWG. No. H353004-30000-224-271-0061-0001 | REV 1

SHEET SIZE: A1

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$DATE$
$FILES