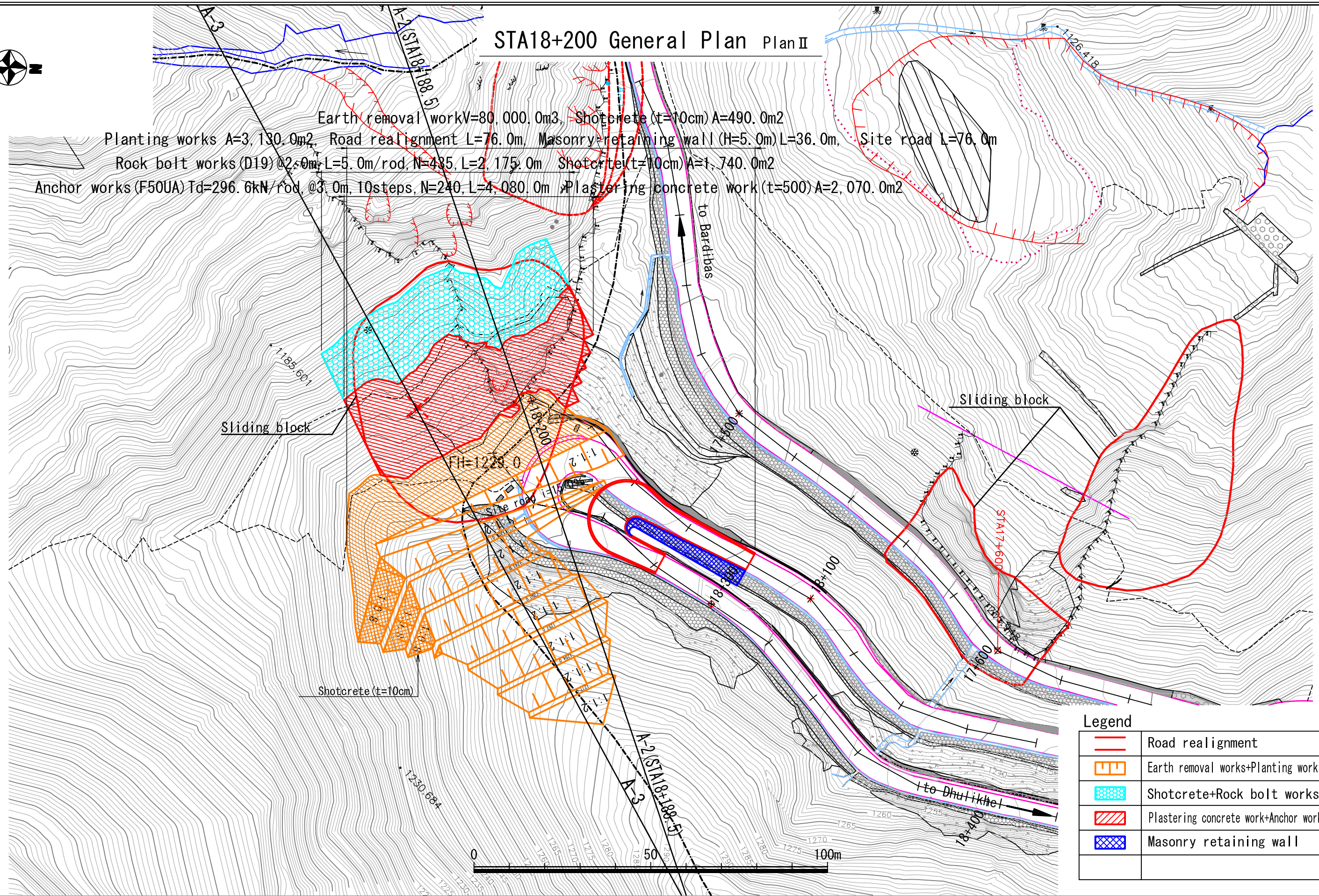




STA18+200 General Plan Plan II

Earth removal work $V=80,000.0m^3$, Shotcrete ($t=10cm$) $A=490.0m^2$
 Planting works $A=3,130.0m^2$, Road realignment $L=76.0m$, Masonry retaining wall ($H=5.0m$) $L=36.0m$, Site road $L=76.0m$
 Rock bolt works ($D19$) @ $2.0m$ $L=5.0m/rod$, $N=435$, $L=2,175.0m$ Shotcrete ($t=10cm$) $A=1,740.0m^2$
 Anchor works ($F50UA$) $Td=296.6kN/rod$, @ $3.0m$, $10steps$, $N=240$, $L=4,080.0m$ Plastering concrete work ($t=500$) $A=2,070.0m^2$



Legend	
	Road realignment
	Earth removal works+Planting works
	Shotcrete+Rock bolt works
	Plastering concrete work+Anchor works
	Masonry retaining wall



THE DEPARTMENT OF ROADS
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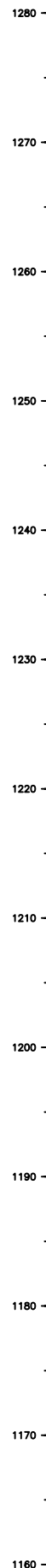
JAPAN INTERNATIONAL COOPERATION AGENCY
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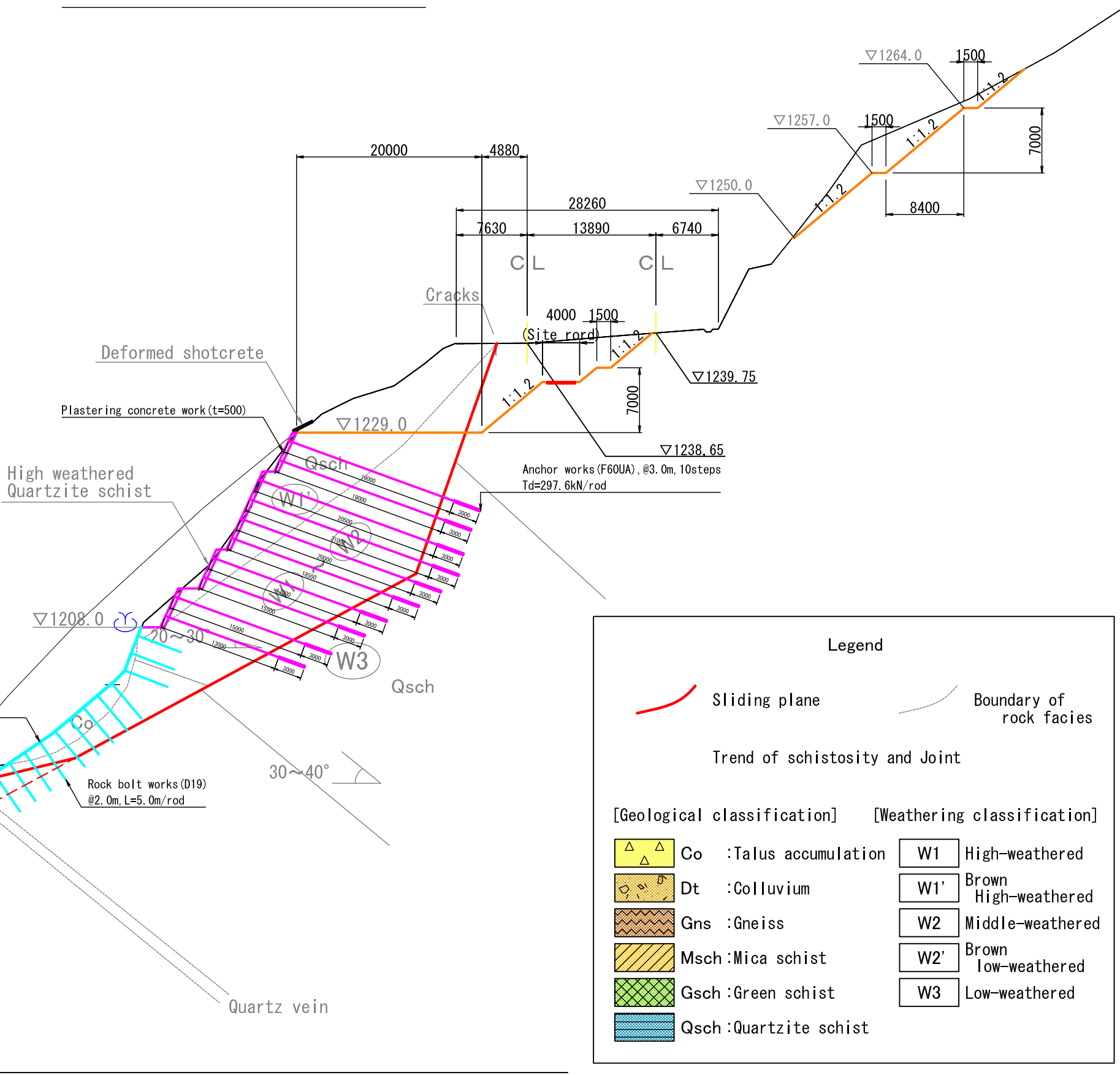
THE PREPARATORY SURVEY
 ON THE PROJECT
 FOR COUNTERMEASURE CONSTRUCTION
 FOR THE LANDSLIDES
 ON SINDHULI ROAD (SECTION II)

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DATE	DWG.NO.		
MARCH 2011	20		

Cross Section A-2 Plan II



Factor of Safety	
Initial Factor of Safety	Fs = 0.95
Earth removal works	Fs = 1.05
Proposed Factor of Safety	PFs = 1.20
Pr	945.0 KN/m



Legend

Sliding plane
Boundary of rock facies
Trend of schistosity and Joint

[Geological classification]	[Weathering classification]
Co :Talus accumulation	W1 High-weathered
Dt :Colluvium	W1' Brown High-weathered
Gns :Gneiss	W2 Middle-weathered
Msch :Mica schist	W2' Brown low-weathered
Gsch :Green schist	W3 Low-weathered
Qsch :Quartzite schist	

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NIPPON KOEI CO., LTD. (NK)
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THE PREPARATORY SURVEY
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FOR COUNTERMEASURE CONSTRUCTION
FOR THE LANDSLIDES
ON SINDHULI ROAD (SECTION II)

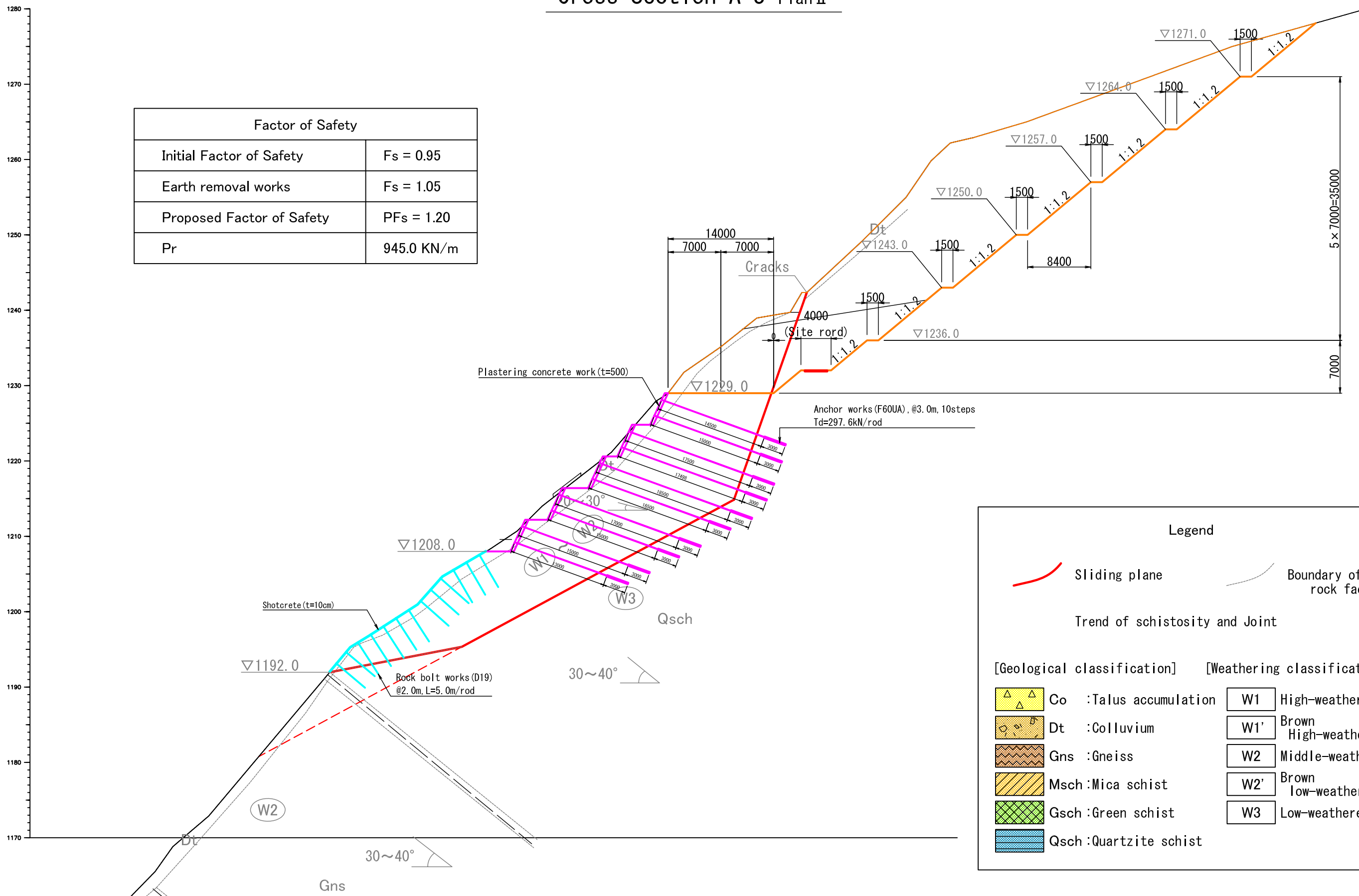
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MARCH 2011

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21

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Cross Section A-3 Plan II



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THE PREPARATORY SURVEY
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FOR COUNTERMEASURE CONSTRUCTION
FOR THE LANDSLIDES
ON SINDHULI ROAD (SECTION II)

DATE
MARCH 2011

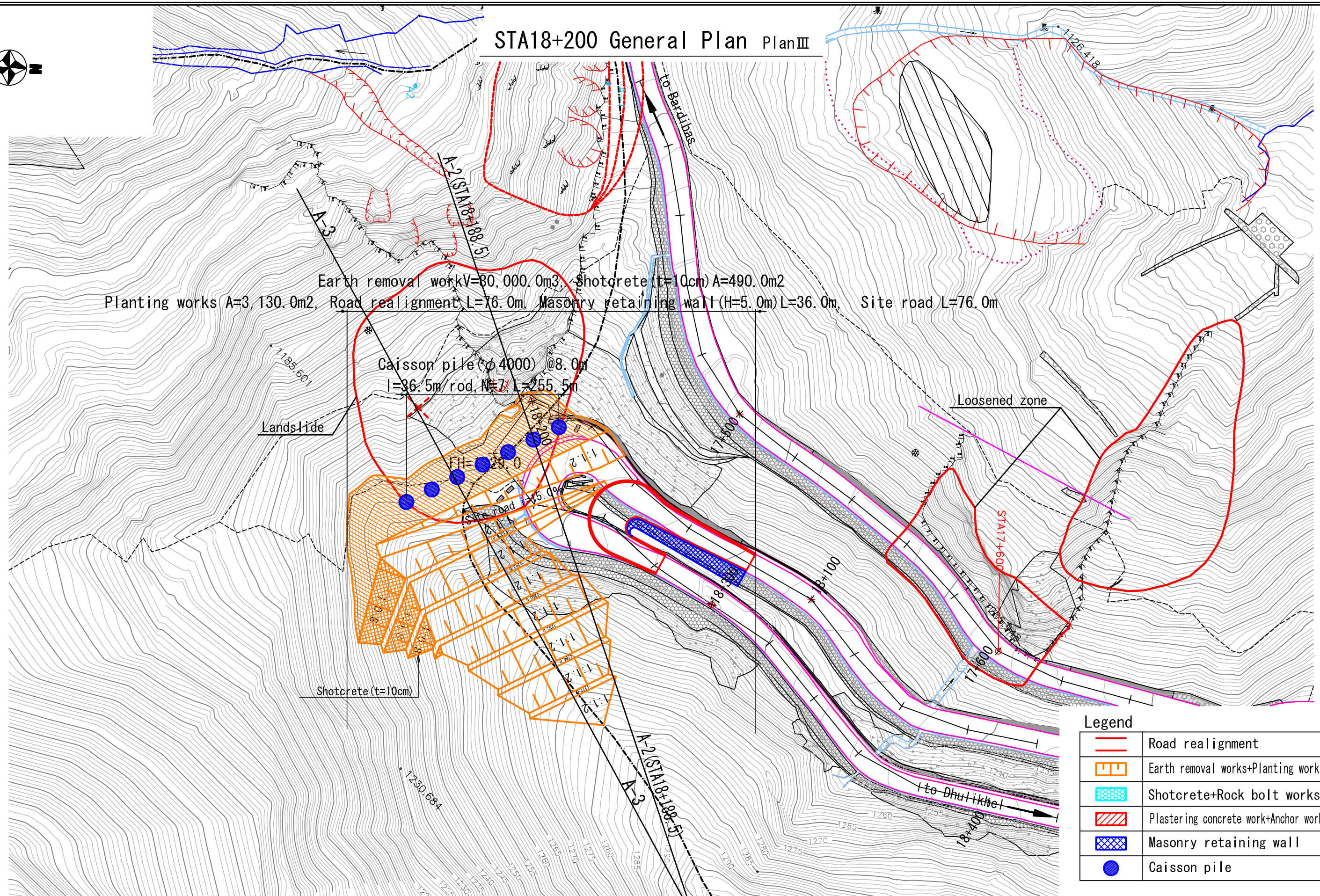
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STA18+200 General Plan Plan III



Legend

	Road realignment
	Earth removal works+Planting works
	Shotcrete+Rock bolt works
	Plastering concrete work+Anchor works
	Masonry retaining wall
	Caisson pile

THE DEPARTMENT OF ROADS
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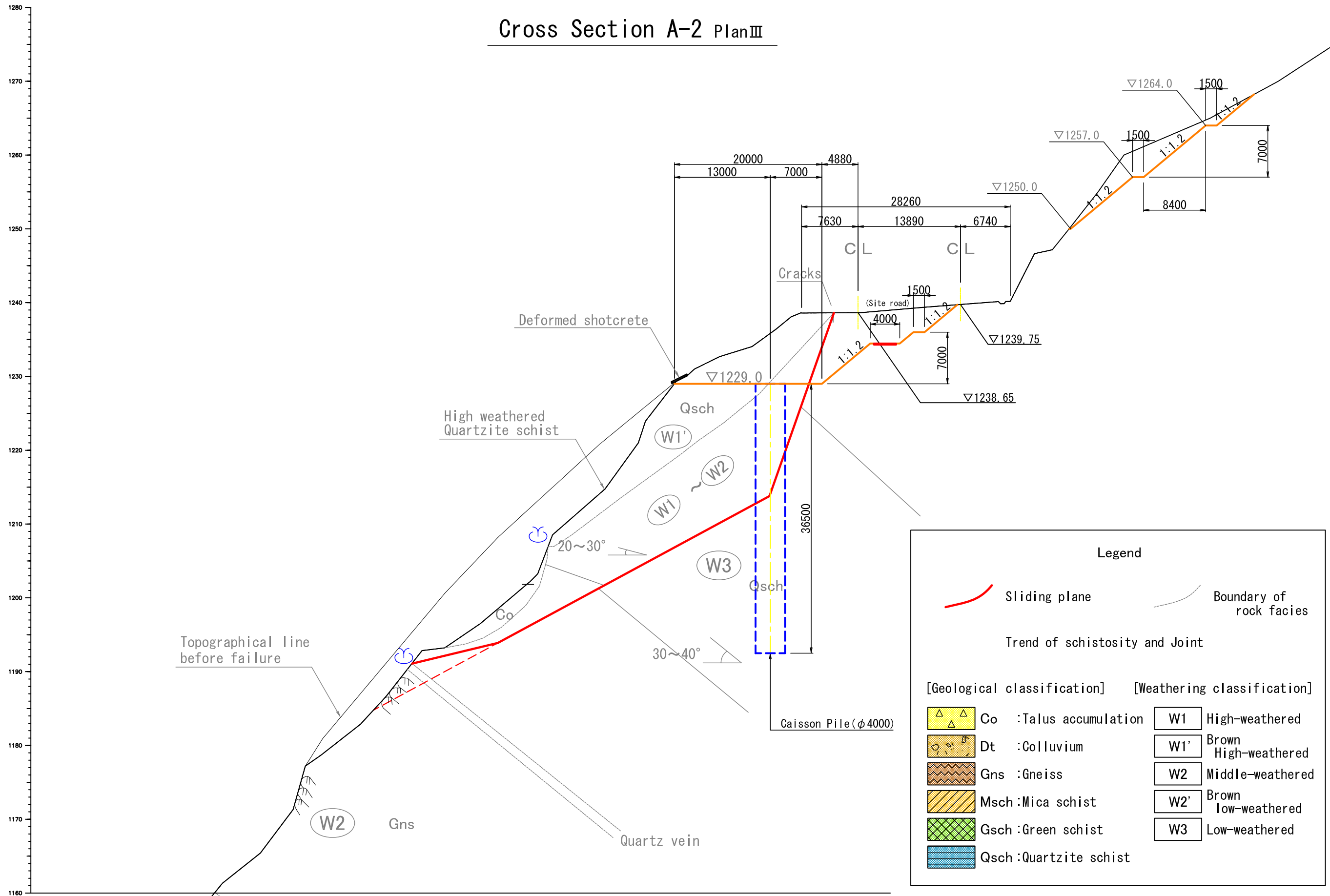
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THE PREPARATORY SURVEY
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 ON SINDHULI ROAD (SECTION II)

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MARCH 2011	23	

Cross Section A-2 Plan III

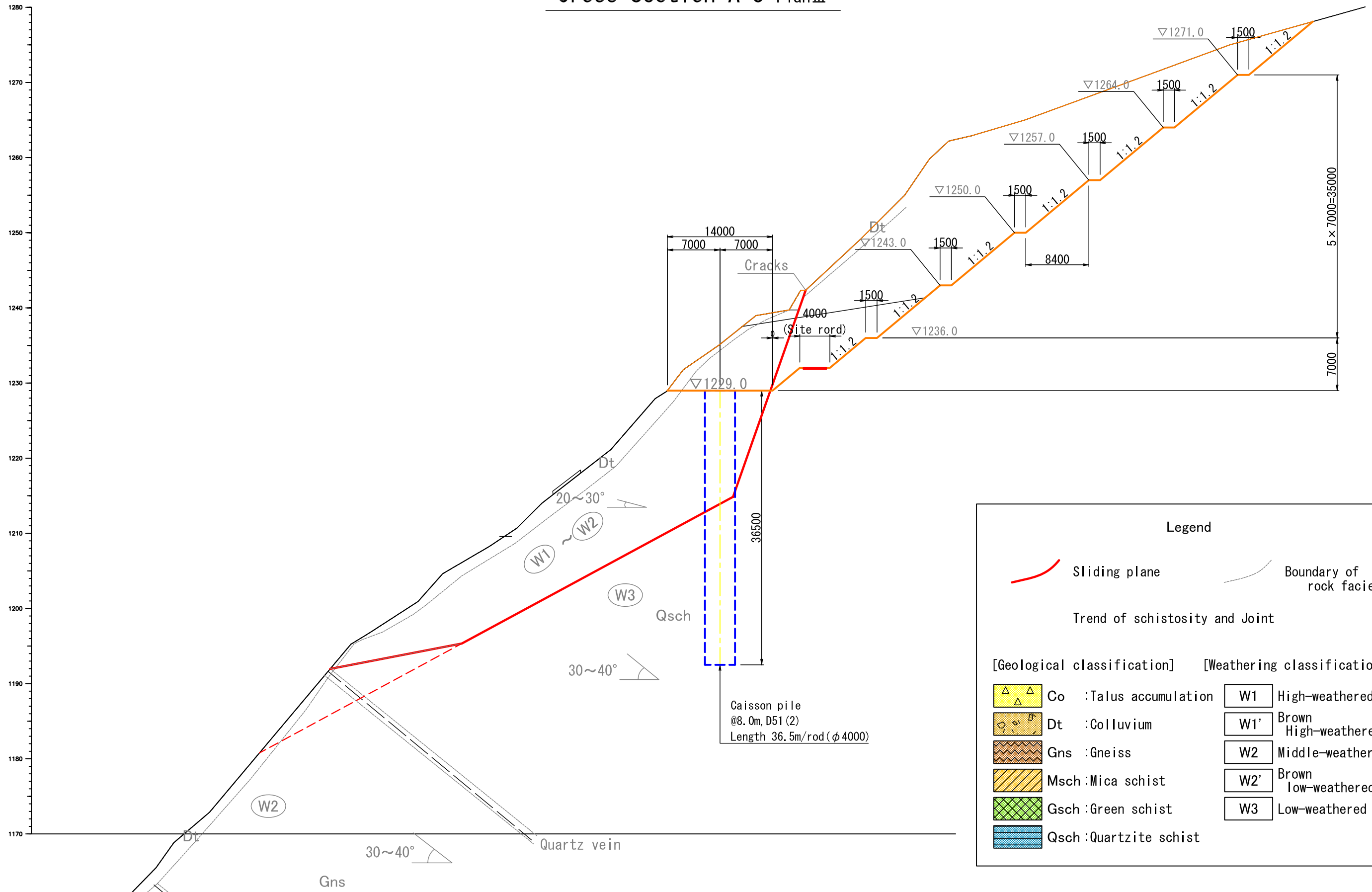


Legend

Sliding plane
 Boundary of rock facies
 Trend of schistosity and Joint

[Geological classification]		[Weathering classification]	
	Co : Talus accumulation		W1 High-weathered
	Dt : Colluvium		W1' Brown High-weathered
	Gns : Gneiss		W2 Middle-weathered
	Msch : Mica schist		W2' Brown low-weathered
	Gsch : Green schist		W3 Low-weathered
	Qsch : Quartzite schist		

Cross Section A-3 Plan III



Legend

- Sliding plane
- Boundary of rock facies
- Trend of schistosity and Joint

[Geological classification]		[Weathering classification]	
	Co :Talus accumulation		W1 High-weathered
	Dt :Colluvium		W1' Brown High-weathered
	Gns :Gneiss		W2 Middle-weathered
	Msch :Mica schist		W2' Brown low-weathered
	Gsch :Green schist		W3 Low-weathered
	Qsch :Quartzite schist		

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