



LEGEND	
1. CONTOUR	
2. ROAD	
3. AUGER GNEISS	
4. SLIDE MATERIAL	
5. TREE	
6. SLIDE LINE	
7. DIP OF JOINTS	
8. CC CLADDING WALL	
9. ROCK ANCHOR	
10. HIGH TENSILE CABLE NET	
11. TOE DRAIN	

APPLICATION OF HIGH TENSILE ROLLED CABLE
NET APERTURE SIZE NOT MORE THAN 300MM
(EL± 1340M TO EL± 1485M)

N 3314100

38MM Ø SDRA 9.0M DEEP
@ 2.5M C/C STAGGERED
(EL±1340M TO EL±1485M)

N 3314050

25MM Ø ROCK ANCHOR 9.0 M LONG
@ 2.5M C/C STAGGERED
(EL±1320TO EL±1340M)

CC CLADDING (L=100M,Ht.=20M)

TOE DRAIN

N 3314000

N 3313950

KEY PLAN

E 466450

E 466500

E 466550

E 466600

E 466650

E 466700

E 466750

E 466800

E 466850

E 466900

E 466950

E 467000

E 467050

E 467100

E 467150

E 467200

E 467250

E 467300

E 467350

E 467400

E 467450

E 467500

E 467550

E 467600

E 467650

E 467700

E 467750

E 467800

E 467850

E 467900

E 467950

E 468000

E 468050

E 468100

E 468150

E 468200

E 468250

E 468300

E 468350

E 468400

E 468450

E 468500

E 468550

E 468600

E 468650

E 468700

E 468750

E 468800

E 468850

E 468900

E 468950

E 469000

E 469050

E 469100

E 469150

E 469200

E 469250

E 469300

E 469350

E 469400

E 469450

E 469500

E 469550

E 469600

E 469650

E 469700

E 469750

E 469800

E 469850

E 469900

E 469950

E 470000

E 470050

E 470100

E 470150

E 470200

E 470250

E 470300

E 470350

E 470400

E 470450

E 470500

E 470550

E 470600

E 470650

E 470700

E 470750

E 470800

E 470850

E 470900

E 470950

E 471000

E 471050

E 471100

E 471150

E 471200

E 471250

E 471300

E 471350

E 471400

E 471450

E 471500

E 471550

E 471600

E 471650

E 471700

E 471750

E 471800

E 471850

E 471900

E 471950

E 472000

E 472050

E 472100

E 472150

E 472200

E 472250

E 472300

E 472350

E 472400

E 472450

E 472500

E 472550

E 472600

E 472650

E 472700

E 472750

E 472800

E 472850

E 472900

E 472950

E 473000

E 473050

E 473100

E 473150

E 473200

E 473250

E 473300

E 473350

E 473400

E 473450

E 473500

E 473550

E 473600

E 473650

E 473700

E 473750

E 473800

E 473850

E 473900

E 473950

E 474000

E 474050

E 474100

E 474150

E 474200

E 474250

E 474300

E 474350

E 474400

E 474450

E 474500

E 474550

E 474600

E 474650

E 474700

E 474750

E 474800

E 474850

E 474900

E 474950

E 475000

E 475050

E 475100

E 475150

E 475200

E 475250

E 475300

E 475350

E 475400

E 475450

E 475500

E 475550

E 475600

E 475650

E 475700

E 475750

E 475800

E 475850

E 475900

E 475950

E 476000

E 476050

E 476100

E 476150

E 476200

E 476250

E 476300

E 476350

E 476400

E 476450

E 476500

E 476550

E 476600

E 476650

E 476700

E 476750

E 476800

E 476850

E 476900

E 476950

E 477000

E 477050

E 477100

E 477150

E 477200

E 477250

E 477300

E 477350

E 477400

E 477450

E 477500

E 477550

E 477600

E 477650

E 477700

E 477750

E 477800

E 477850

E 477900

E 477950

E 478000

E 478050

E 478100

E 478150

E 478200

E 478250

E 478300

E 478350

E 478400

E 478450

E 478500

E 478550

E 478600

E 478650

E 478700

E 478750

E 478800

E 478850

E 478900

E 478950

E 479000

E 479050

E 479100

E 479150

E 479200

E 479250

E 479300

E 479350

E 479400

E 479450

E 479500

E 479550

E 479600

E 479650

E 479700

E 479750

E 479800

E 479850

E 479900

E 479950

E 480000

E 480050

E 480100

E 480150

E 480200

E 480250

E 480300

E 480350

E 480400

E 480450

E 480500

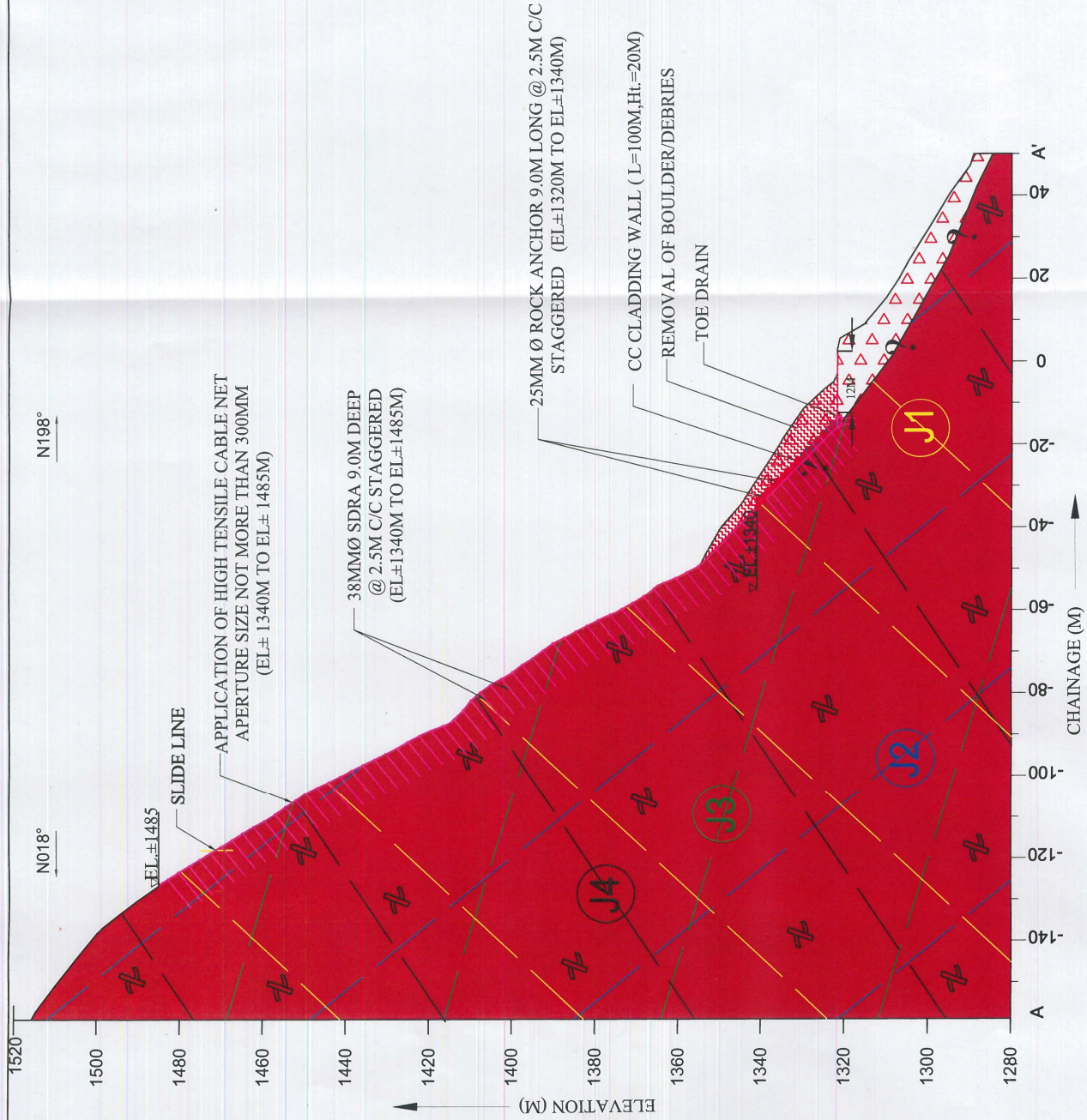
E 480550

E 480600

E 480650

E 480700

E 4



SECTION AT CH. 5.753
APPLICABLE FROM CH. 5.733KM TO 5.833KM

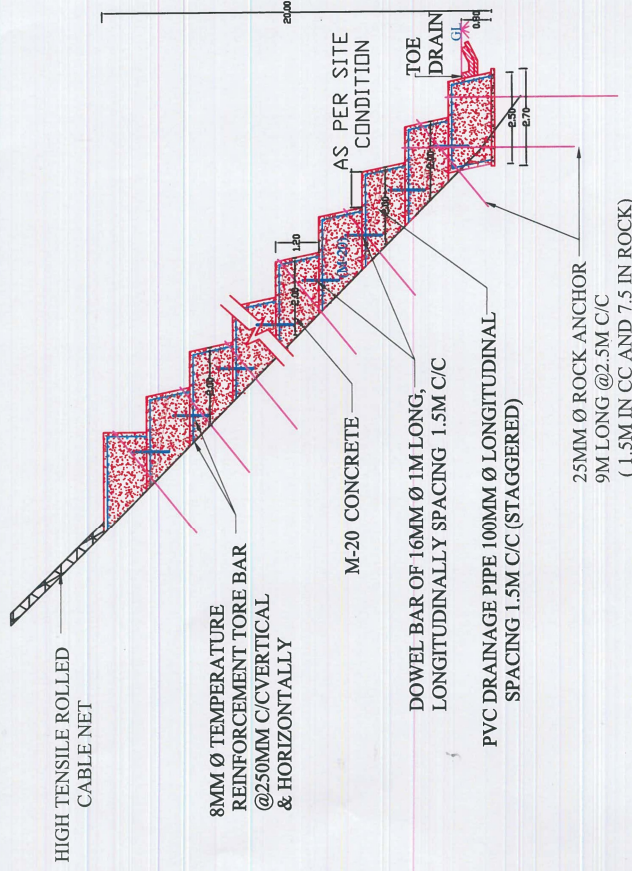
LEGENDS OF PLAN	
HIGH TENSILE CABLE NET	
ROCK ANCHOR	
CC CLADDING WALL	
TOE DRAIN	

- NOTES:-
1. ALL DIMENSION AND ELEVATION ARE IN METER UNLESS OTHERWISE SPECIFIED.
 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG NO. THDC/RKSH/D&E/MORTH/NH-125(09)/TD-01&03

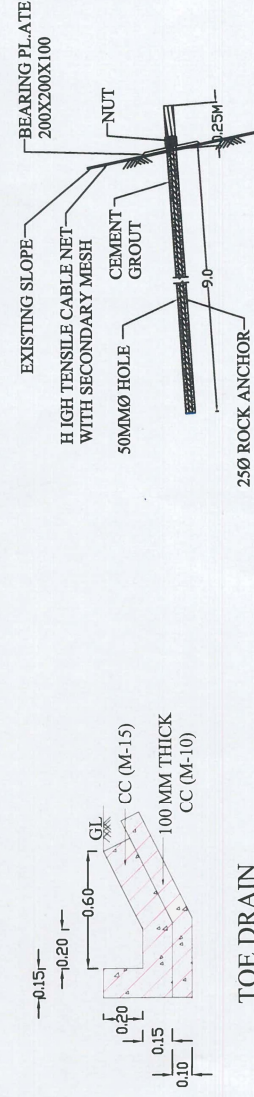
TENDER DRAWING (SHEET 2 OF 3)	
 सड़क परिवहन और राजमार्ग मंत्रालय Ministry of Road Transport and Highways	
PROTECTION / TREATMENT WORKS ON CHRONIC LANDSLIDE ZONE NEAR TINTOLA AT NH-125(09)	
CONSULTANT: टीएचडीसी इंडिया लिमिटेड THDC INDIA LIMITED	
(SECTION AT CH.5.753 KM) PROPOSED TREATMENT MEASURES	
 J. K. Sharma (S. Vigil) RECOMMENDED	 D. F. Bishresh APPROVED
 P. K. Singh (S. Eng.) CHECKED	 P. K. Singh (S. Eng.) CHECKED
DRG NO. THDC/RKSH/D&E/MORTH/NH-125(09)/TD-02	

NOTES:

1. ALL DIMENSIONS & ELEVATIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2. CONCRETE MIX FOR ALL RCC AND CC WORK SHALL BE AS SPECIFIED IN DRAWING CONFORMING TO IS 456 (LATEST).
3. ALL REINFORCEMENT (R/F) SHALL BE OF HIGH YIELD STRENGTH COLD TWISTED DEFORMED BARS Fe 500 CONFORMING TO IS:1786 (LATEST).
4. ROCK ANCHORS SHALL BE OF HIGH YIELD STRENGTH COLD TWISTED BARS Fe-550D CONFORMING TO IS-1786(LATEST).
5. LAPS AND ANCHORAGE LENGTH SHALL BE AS PER IS 456(LATEST).
6. EXCAVATION FOR CC CLADDING WALL FOUNDATION SHALL BE DONE IN 20.0 M LONG STRETCHES ONLY & TREATMENT SHALL BE COMPLETED BEFORE START OF NEW PATCH.
7. ROCK SURFACE/CONCRETE SURFACE SHOULD BE ROUGHED AND CLEAN BEFORE APPLICATION OR POURING THE NEXT CONCRETE /FRESH CONCRETE FROM EL±1332M TO EL± 1400.0M
8. REINFORCEMENT BARS SHALL BE HIGH YIELD STRENGTH DEFORMED BARS Fe 500 CONFORMING TO IS:1786-1985.
9. THE ALLOWABLE PULLOUT CAPACITY F ANCHOR USED IN CLADDING WALL AND SLOPE SHOULD BE ENSURED AT SITE VIA PULLOUT TEST.
10. ALL 38MMØ SDRA SHALL HAVE YIELD LONG 400KN. THE STRENGTH OF THE SDRA SHALL BE CONFIRMED AT THE SITE THROUGH PULL OUT TEST.
11. HIGH TENSILE ROLLED CABLE NET SHALL HAVE FOLLOWING PARAMETER:
a) LONGITUDINAL TENSILE STRENGTH : 100 KM/M
b) MINIMUM TENSILE STRENGTH OF WIRE OF CABLE : 1770N/MM2.
c) PUNCHING RESISTANCE : 200KN
d) ZN COATING CLASS A or 95%Zn+5% AL CLASS B
INCLUDING INSTALLATION OF 25MM DIA, 9.0 M DEEP MS ROCK ANCHORS @2.5M C/C (STAGGERED) WITH SPIKE PLATE FROM CH.5.733 KM TO CH. 5.833 KM AND ELEVATION RANGING FROM EL±1340M TO EL±1485M.
b) EXPANSION JOINT SHALL BE PROVIDED AT AN INTERVAL 20 M IN CC CLADDING WALL.
12. TOE DRAIN GRADIENT SHALL BE TOWARDS NEAREST CULVERT.
13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG NO. THDC/RKSH/D&E/MoRTH/NH-125(09)/TD-01&02.



TYPICAL DETAIL OF CC CLADDING WALL



DETAIL OF ROCK ANCHOR

TENDER DRAWING (SHEET 3 OF 3)

 सड़क परिवहन और राजमार्ग मंत्रालय Ministry of Road Transport and Highways		PROTECTION / TREATMENT WORKS ON CHRONIC LANDSLIDE ZONE NEAR TINTOLA AT NH-125(09)	
CONSULTANT: टीएचडीसी इंडिया लिमिटेड THDC INDIA LIMITED		(SECTION AT CH.5.753 KM) DETAIL OF CC CLADDING WALL, TOE DRAIN & ROCK ANCHOR	
 DRG. NO. THDC/RKSH/D&E/MoRTH/NH-125(09)/TD-03	 J.B. Kishore (Sr. Man) RECOMMENDED	 J.B. Kishore (Sr. Man) APPROVED	 DME RISHIKESH