

सेवा में

वन संरक्षक
गढ़वाल वृत्त पौड़ी
उत्तराखण्ड।

विषय उत्तराखण्ड राज्य के जनपद चमोली में राष्ट्रीय राजमार्ग 07 (पुराना एन0एच0 58) के किमी0 399.00 से किमी0 460 में लैंडस्लाइड का उपचार सहित सड़क का चौड़ीकरण एवं सुदृढीकरण हेतु रा0रा0 एवं अ0वि0नि0लि0 का वन भूमि हस्तान्तरण प्रस्ताव— मलवा निस्तारण से संबंधित क्षमता एवं संरचनाओं की ड्राईंग प्रेषण के संबंध में।

संदर्भ— कार्यालय उप वन संरक्षक, गढ़वाल वृत्त पौड़ी का पत्रांक 1678/12-1 दि0 पौड़ी जनवरी 17, 2020।

महोदय,

उपरोक्त विषयक प्रकरण का सन्दर्भ ग्रहण करने का कष्ट करें। इसी क्रम में अवगत कराना है कि आपके द्वारा वन भूमि हस्तान्तरण प्रस्ताव (किमी0 399.00 से किमी0 460.00) में वर्णित कुल 23 मक डंपिंग स्थलों की डिजाइन एवं ड्राईंग प्रेषित करने का अनुरोध किया गया था।

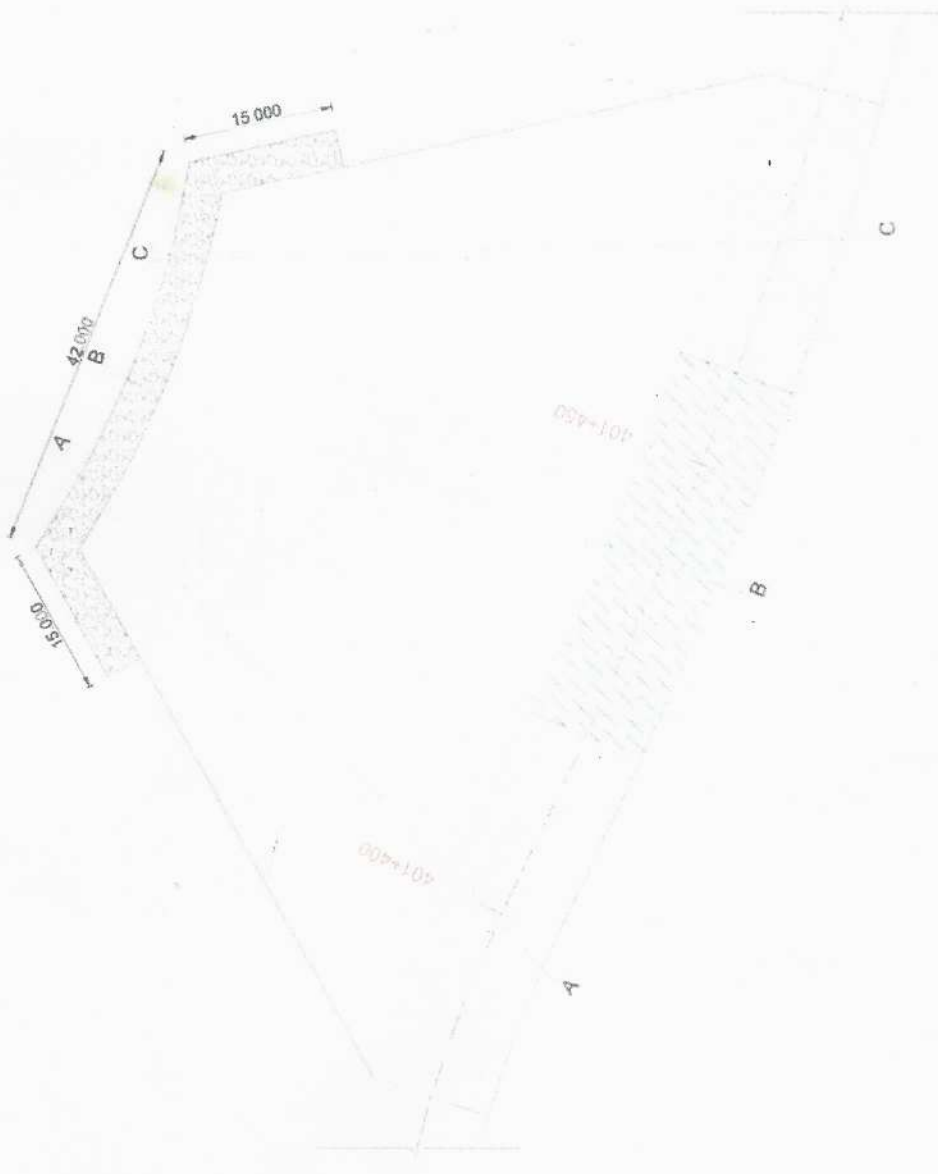
अतः मक डंपिंग स्थलों की डिजाइन एवं ड्राईंग आपको सुलभ संदर्भ, सूचनार्थ एवं अग्रिम कार्यवाही हेतु सादर प्रेषित किया जा रहा है।

संलग्नक: उपरोक्तानुसार।

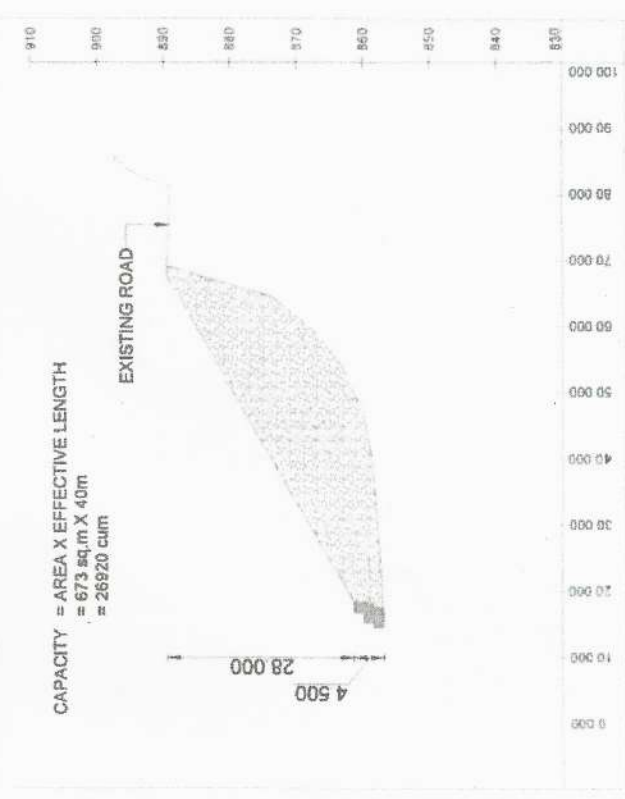

(मोहन लाल थापा)
उप महाप्रबन्धक (परि0)

प्रतिलिपि:-

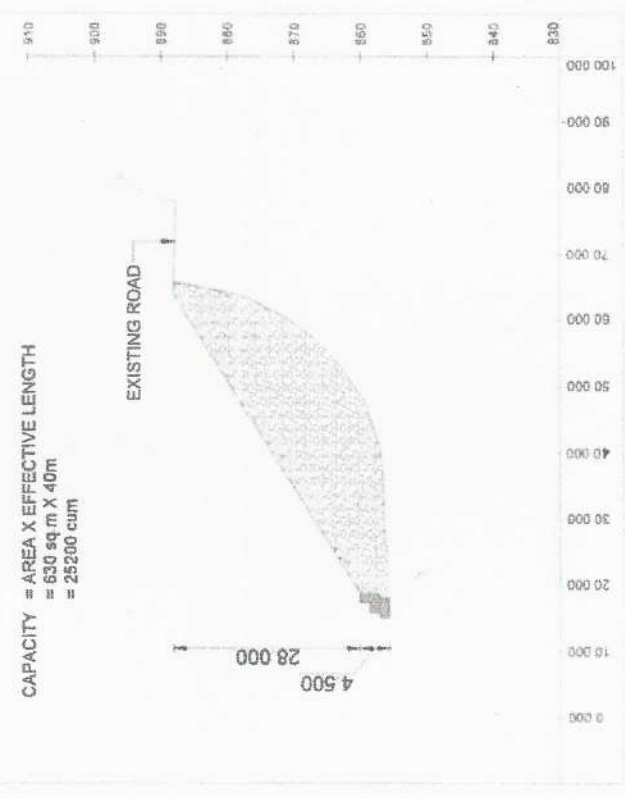
1. महाप्रबन्धक(परि0), रा.रा. एवं अ.वि.नि.लि., शाखा कार्यालय—श्रीनगर को सादर सूचनार्थ प्रेषित।
2. प्रभागीय वनाधिकारी, बद्रीनाथ वन प्रभाग, गोपेश्वर, चमोली को सूचनार्थ।
3. कार्यालय प्रतिलिपि।



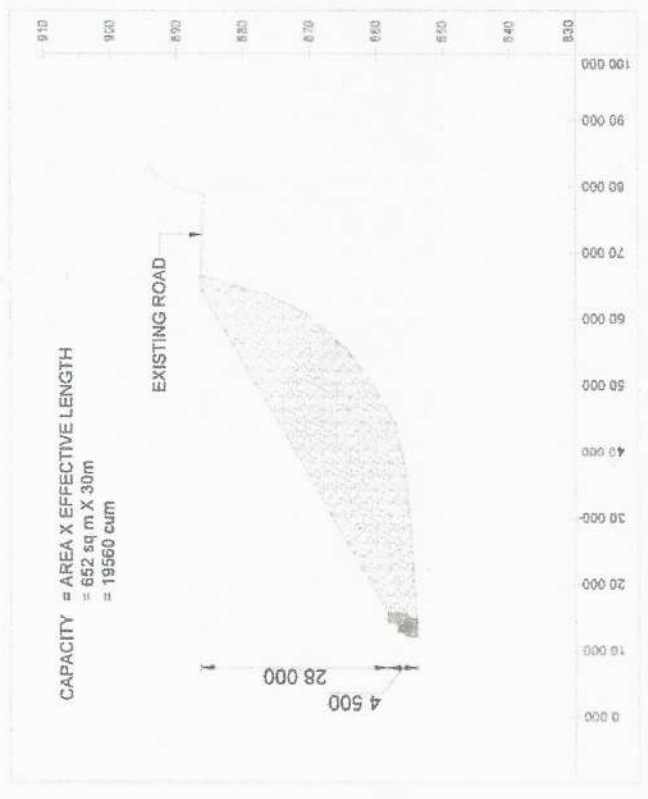
MUCK DISPOSAL AREA AT CH.
401+380 TO 401+490
SCALE 1:500



SECTION A-A
SCALE 1:750



SECTION B-B
SCALE 1:750



SECTION C-C
SCALE 1:750

TOTAL CAPACITY
= 26920+25200+19530
= 71680 cum



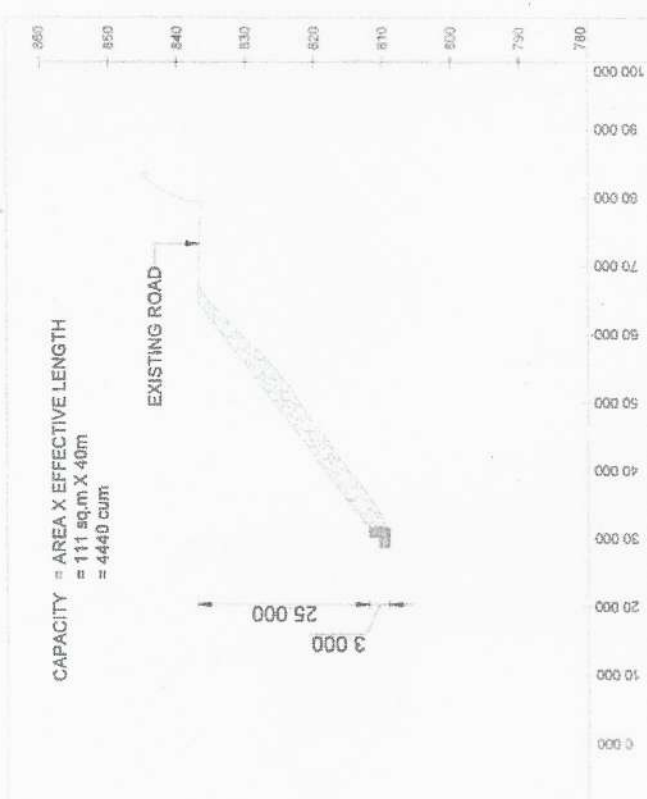
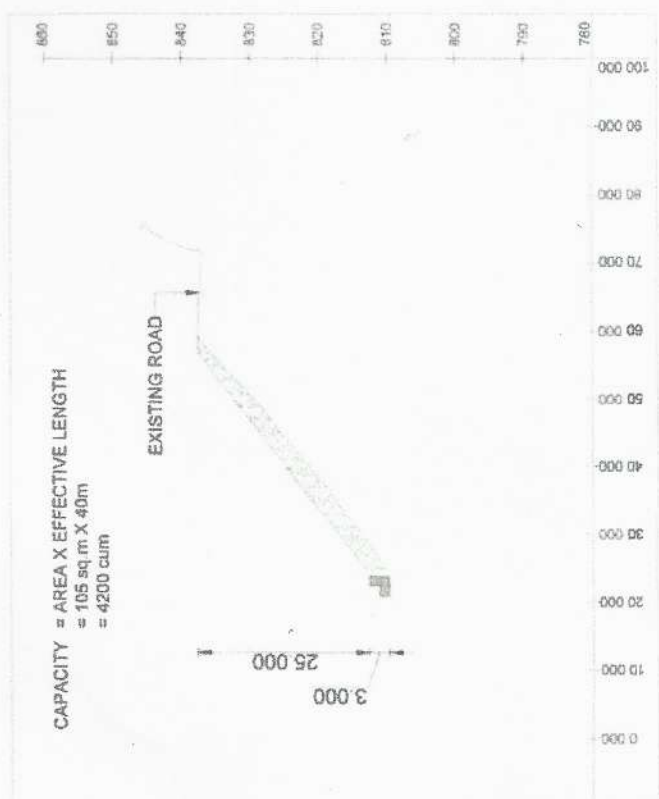
Graduate Engineer
National Highway & Infrastructure
Development Corporation Ltd
Chamoli / Rudrapur



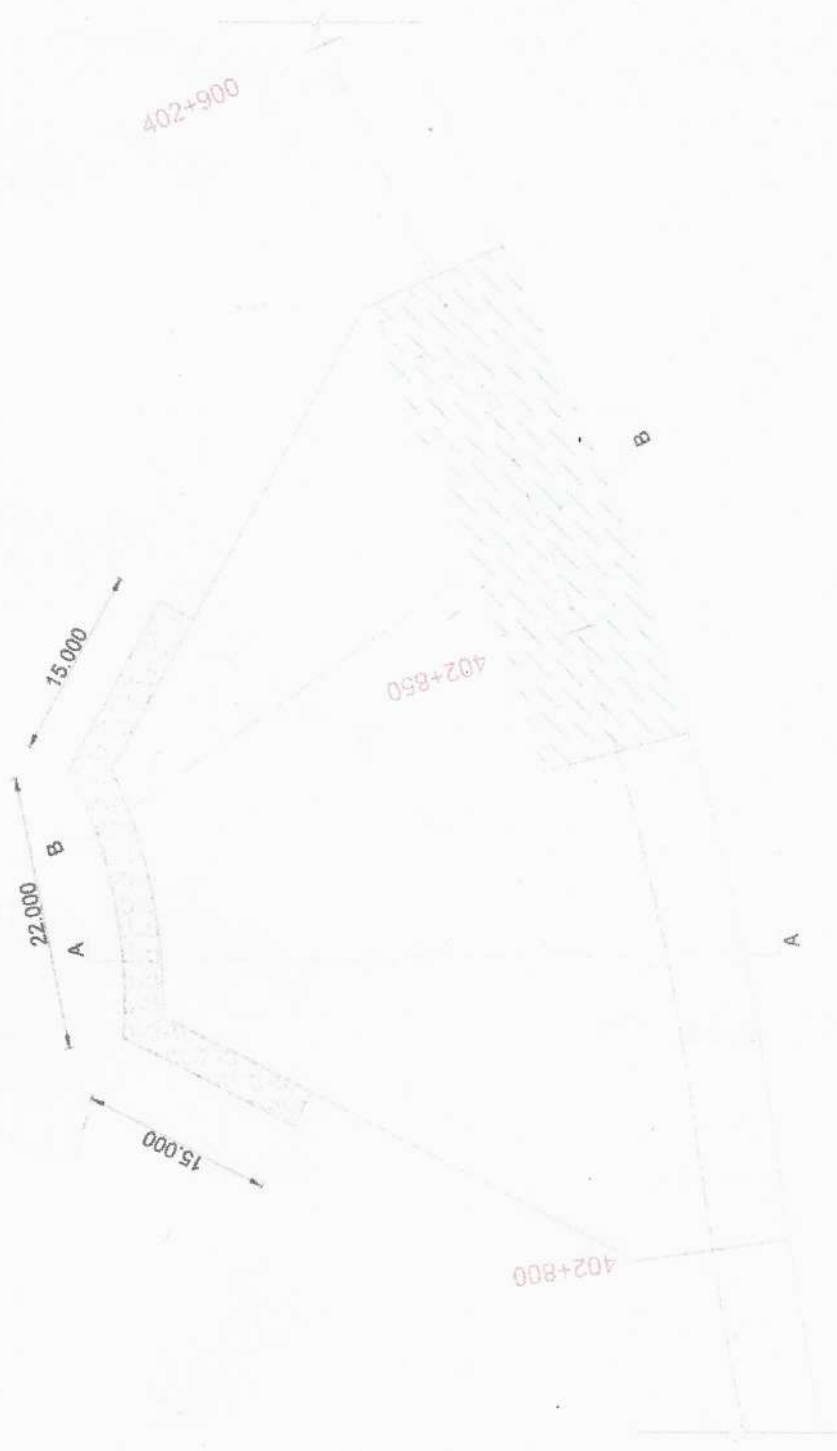
REV	DATE	DESCRIPTION

APPROVED	
CHECKED	
DESIGNED	
DRAWN	

CLIENT	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
DESIGN CONSULTANT	SHARTECH TECHNICAL & ECONOMIC SERVICES
PROJECT ENGINEER	Highway Engineering Consultant in Association with LT Consulting Engineers Pvt. Ltd.
SAFETY CONSULTANT	Khanna Goyal Designers LLP
PROJECT	CONSTRUCTION AND UPGRADE OF EXISTING ROAD TO 2 LANE WITH PAVED SHOULDER FROM KM 399.000 TO KM 430.000 OF KARANPRAYAG TO CHAMOLI EXCLUDING KM 420.250 TO KM 420.500 AND KM 423.300 TO KM 423.650 OF NH 67 UNDER CHARDHAM PARITYONA ON EPC BASIS IN THE STATE OF UTTARAKHAND (DESIGN LENGTH - 28.80 KM).
TITLE	MUCK DISPOSAL PLAN & SECTION AT CH 401+380 TO CH 401+490
DATE	
NO. OF SHEETS	SCALE - AS SHOWN
SHEET NO.	
SHEET TOTAL	
PROJECT NO.	SCPL/EST/TP/ST/MD/001
REV	R0



TOTAL CAPACITY
= 4200+4440
= 8640 cum

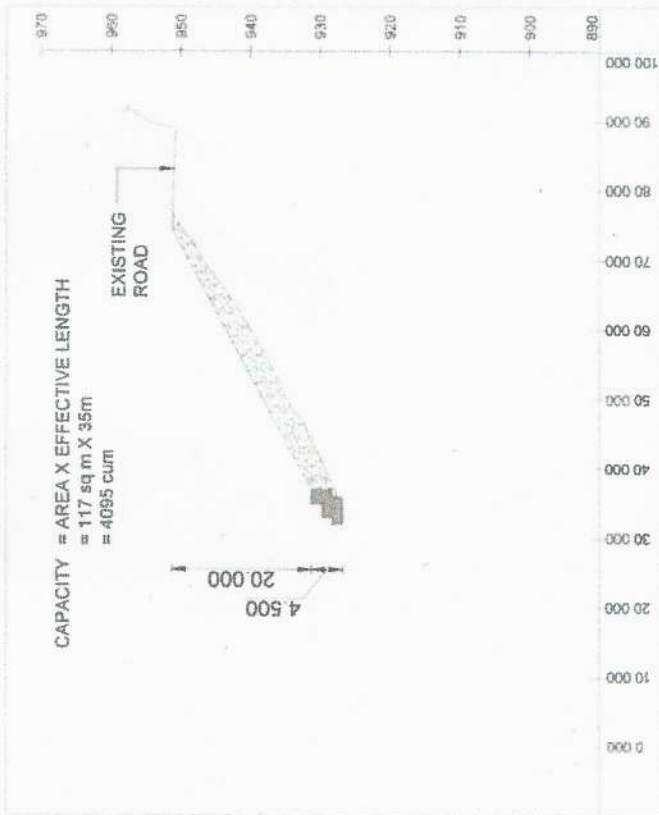
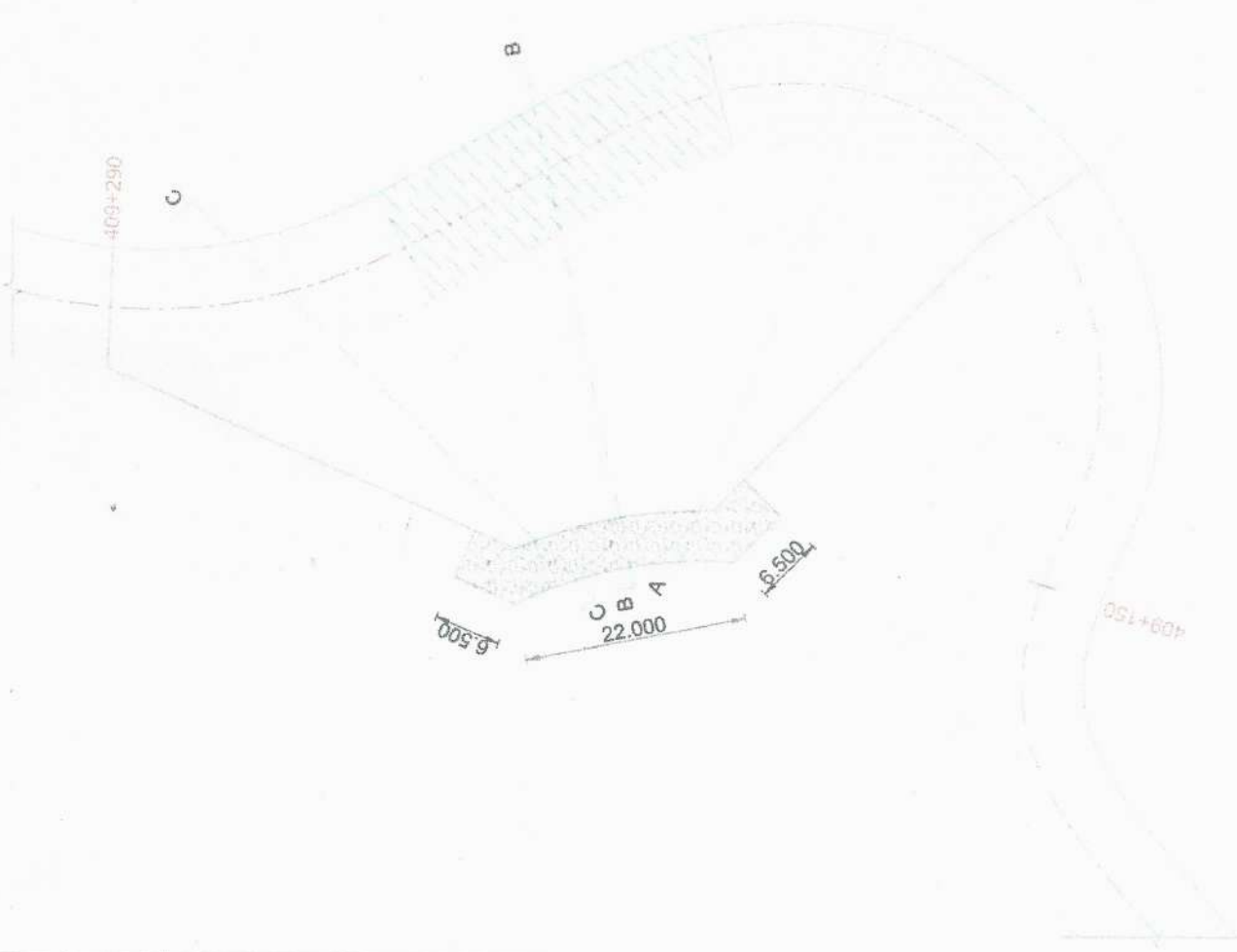


**MUCK DISPOSAL AREA AT CH.
402+800 TO 402+880**
SCALE 1:400

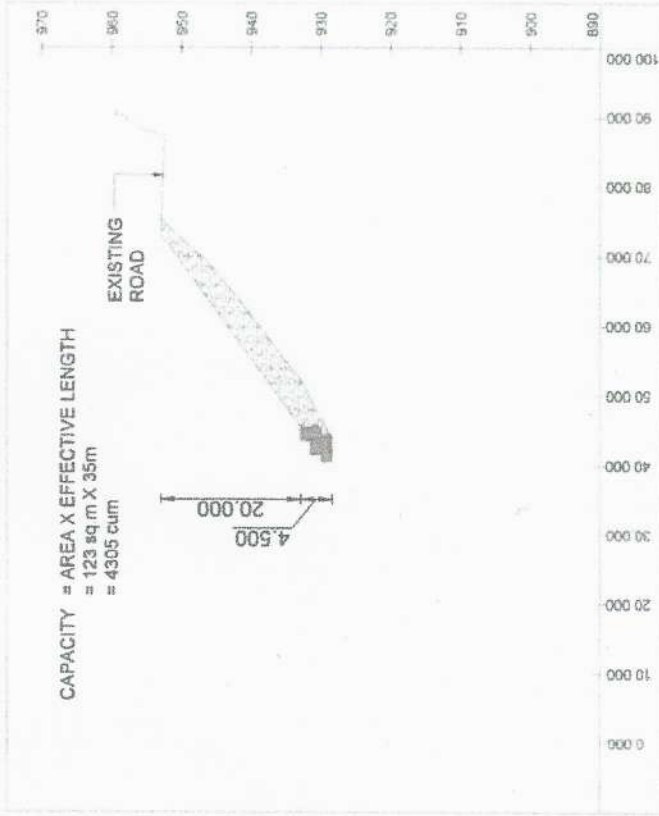
Graduate Engineer
National Highway & Infrastructure
Development Corporation Ltd
Chamoli / Rudrapur



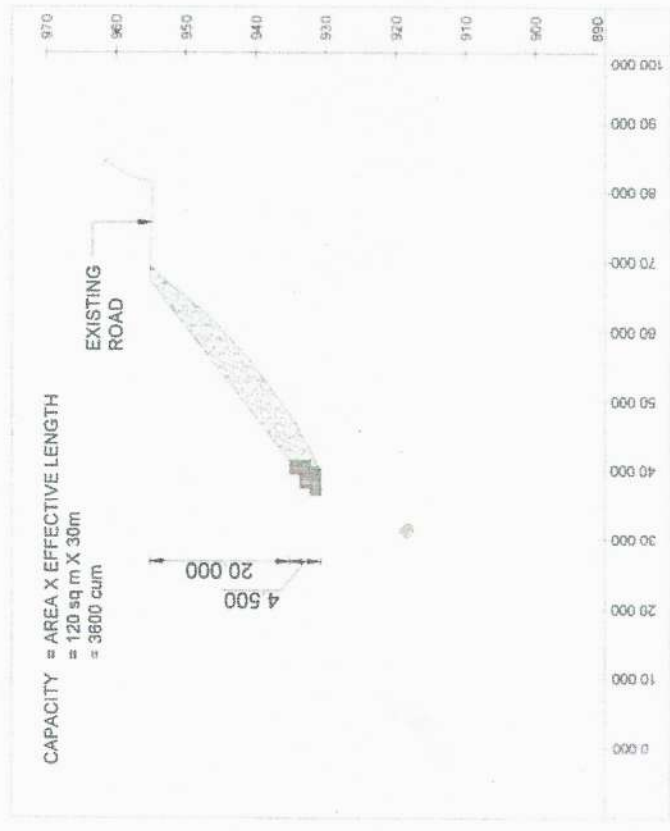
APPROVED	DESIGNED	CLIENT	AUTHORITY ENGINEER	PROJECT
		NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.	Highway Engineering Consultant in Association with LT Consulting Engineers Pvt. Ltd.	CONSTRUCTION AND UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM 399.000 TO KM 430.000 OF KARANPRAYAG TO CHAMOLI (EXCLUDING KM 420.250 TO KM 420.500 AND KM 423.500 TO KM 423.500) OF NH 07 UNDER CHAMOLI PAR YOUNA ON EPC BASIS IN THE STATE OF UTTARAKHAND (DESIGN LENGTH - 28.80 KM)
CHECKED	DESIGNED	DESIGN CONSULTANT	EPC CONTRACTOR	TITLE
		MARKET TECHNICAL & TECHNICAL SERVICES	SCCPL-HCCPL (JV)	MUCK DISPOSAL PLAN & SECTION AT CH 402+800 TO CH 402+880
		H 2/2, FIRST FLOOR, NEAR DDA LAL MARKET, VIKAS PURI, NEW DELHI 110019	Office - A-5, Ground Floor, Shankar Garden, DELHI 110019	DATE
				DRAWING NO
				SHEET SIZE
				SCALE: AS SHOWN



SECTION A-A
SCALE 1:750



SECTION B-B
SCALE 1:750



SECTION C-C
SCALE 1:750

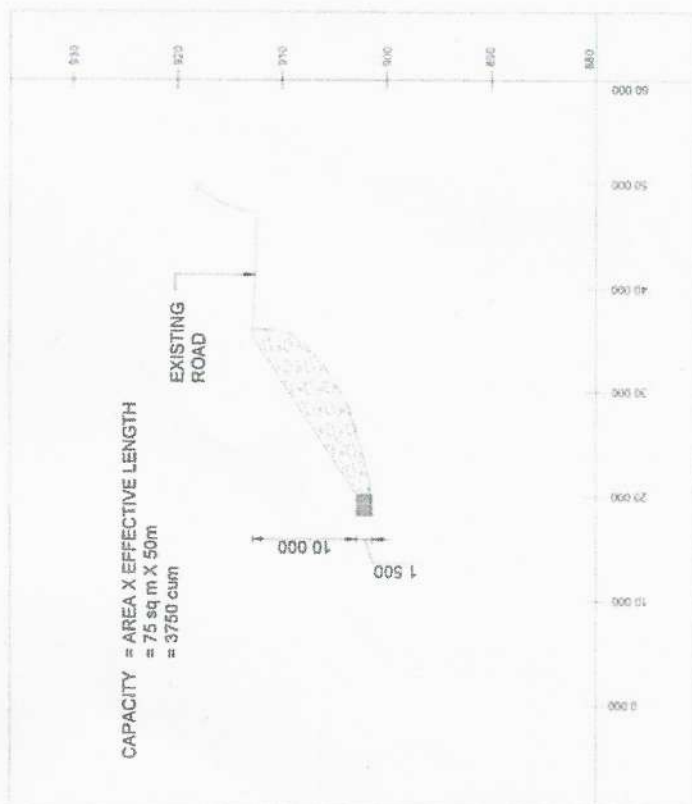
GABION QUANTITY	= 525 cum
TOTAL CAPACITY	= 4095+4305+3600 = 12000 cum

Graduate Engineer
National Highway & Infrastructure Development Corporation Ltd.
Chamoli Rudraprayag

MUCK DISPOSAL AT CH.
409+190 to 409+290
SCALE 1:500

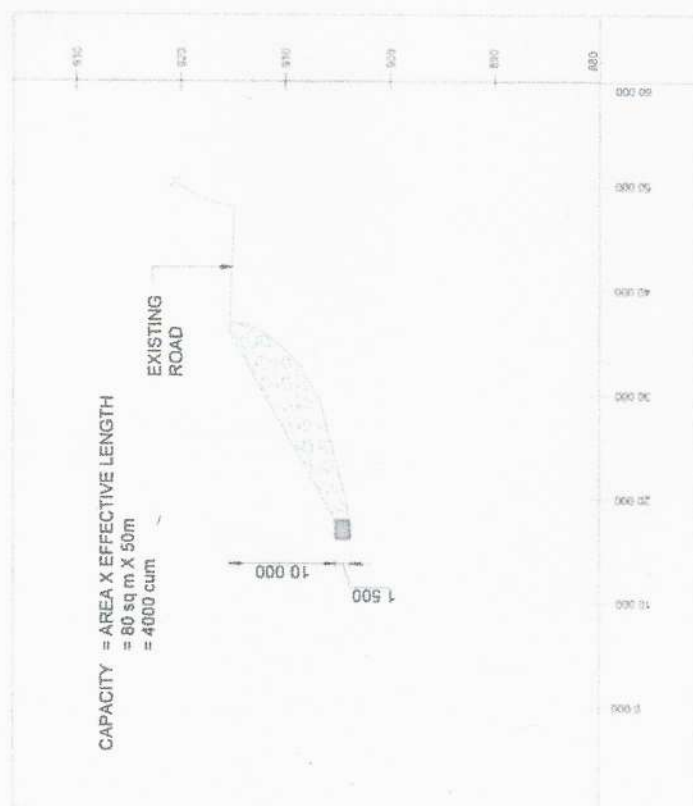


APPROVED	CLIENT	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.	DESIGN CONSULTANT	SCSPL-HCCPL (JV) H-2/2, FIRST FLOOR NEAR DDA LAL MARKET VIKAS PURI, NEW DELHI-110018	PROF CONSULTANT	Khanna Designers & Consultants Pvt. Ltd. Office No. 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SECTION B-B
SCALE 1/500

SECTION A-A
SCALE 1/500



SECTION C-C
SCALE 1:500

GABION QUANTITY	= 147 cum
TOTAL CAPACITY	= 3750+8255 = 16000 cum

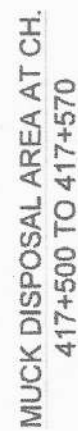


MUCK DISPOSAL AT CH.
410+850 to 411+000

SCALE 1 400

Graduate Engineer
National Highway & Infrastructure
Development Corporation Ltd
Chennai / Rudrapur

[illegible]



SCALE 1 400

TOTAL CAPACITY
= 5460+5355
= 10815 cum

Graduate Engineer
National Highway & Infrastructure
Development Corporation Ltd.
Chamoli / Rudrapur

Pranav



CLIENT

WATERBURY
A DIVISION OF THE
NATIONAL HIGHWAYS &
INFRASTRUCTURE DEVELOPMENT
CORPORATION LTD.



EMAST TECHNICAL & STRUCTURAL ENGINEERING

H-2/2, FIRST FLOOR, NEAR DDA LAL
MARKET, VIKASPURI, NEW

Highway Engineering Consultant
in Association with
LT Consulting Engineers Pvt. Ltd.

SCCPL-HCCPL (JV)
Office : A-5, Ground Floor, Shankar

KDCPL

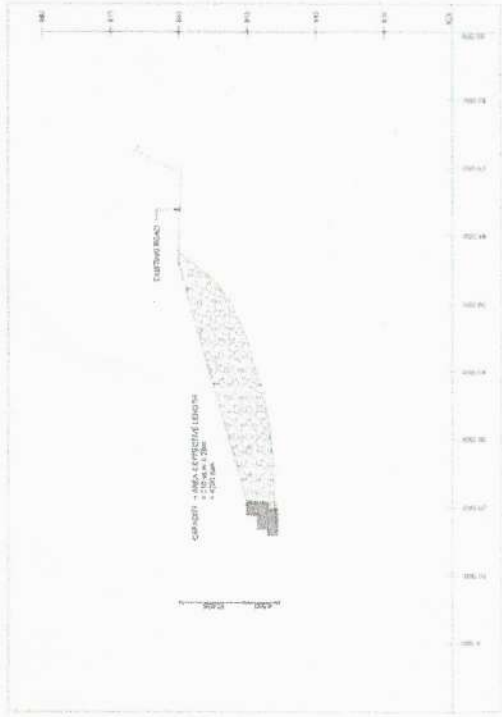
Khanna Designers & Consultants Pvt. Ltd.
Office No. 216/45 First Floor, Trade Centre Sector-17
Sohna Road, Gurgaon
Haryana-122001

Khanna Goyal Designers LLP
7-5 1903 Valley View, Folsom, CA 95630

CONSTRUCTION AND UPGRADEATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM 399.000 TO KM. 430.000 OF KARAPPAWAG TO CHANOLI EXCLUDING KM. 420.750 TO KM. 420.500 AND KM. 423.300 TO KM.423.650) OF NH-67 UNDER CHARDHAM PARVONA ON EPC BASIS IN THE STATE OF UTTARACHAM (DESIGN LENGTH - 28.80 KM).

**MUCK DISPOSAL PLAN & SECTION AT
CH 417+508 TO 417+570**

HORIZONTAL SCALE = 45 SWIMIN



SECTION A-A
SCALE 1:750



SECTION B-B
SCALE 1:750

TOTAL CAPACITY
= 4200+3800
= 8000 cum

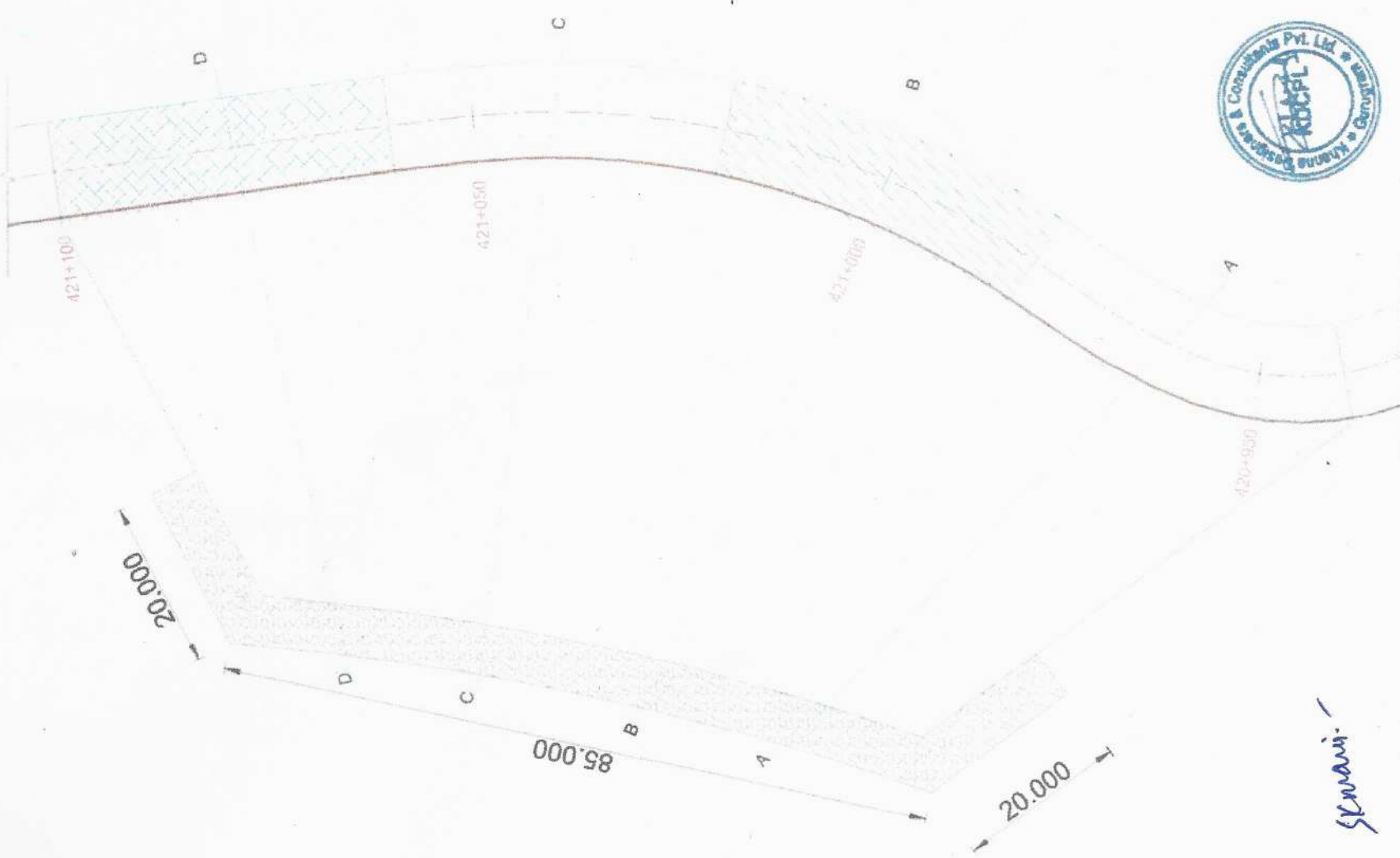
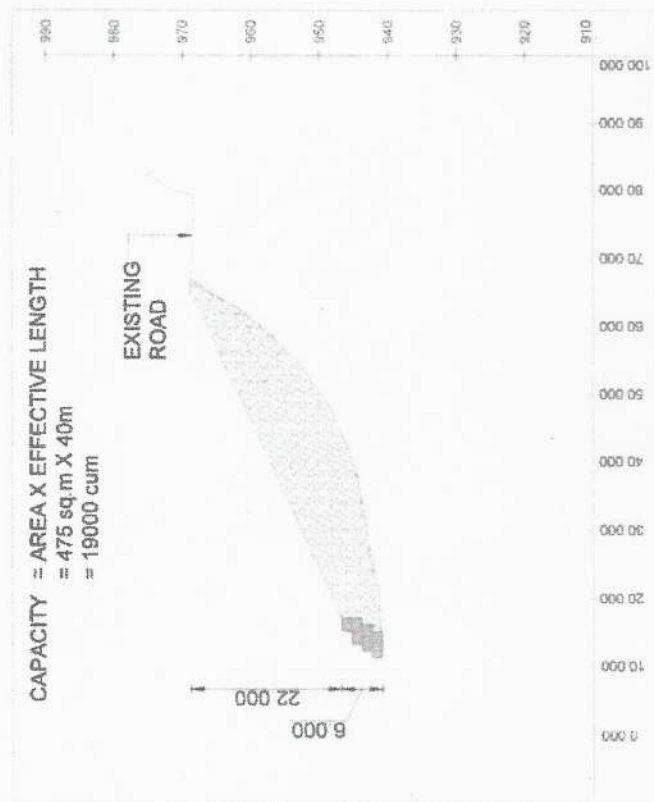
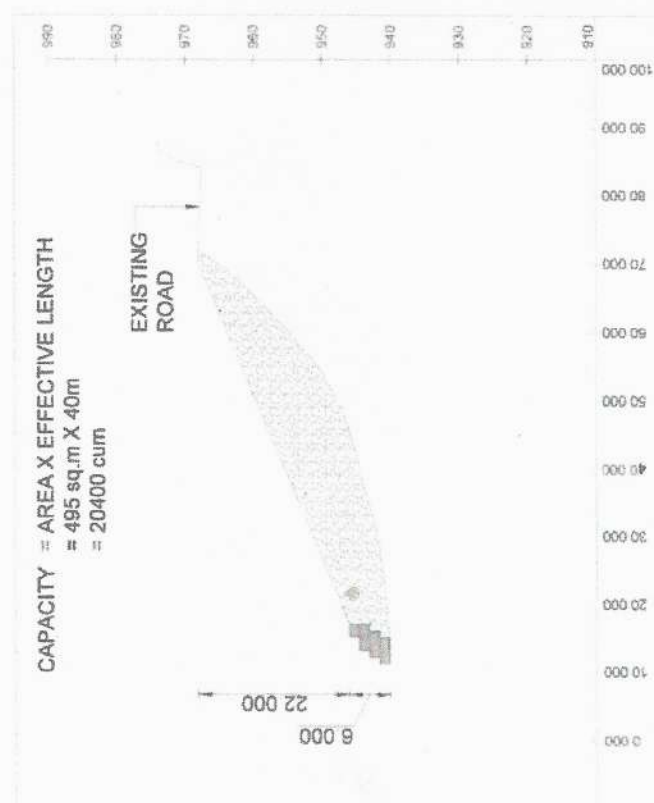
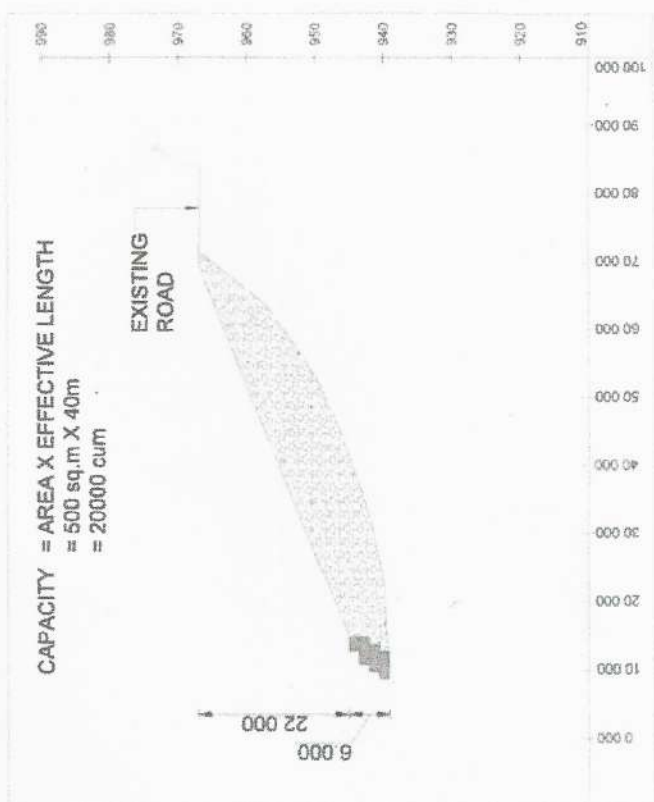
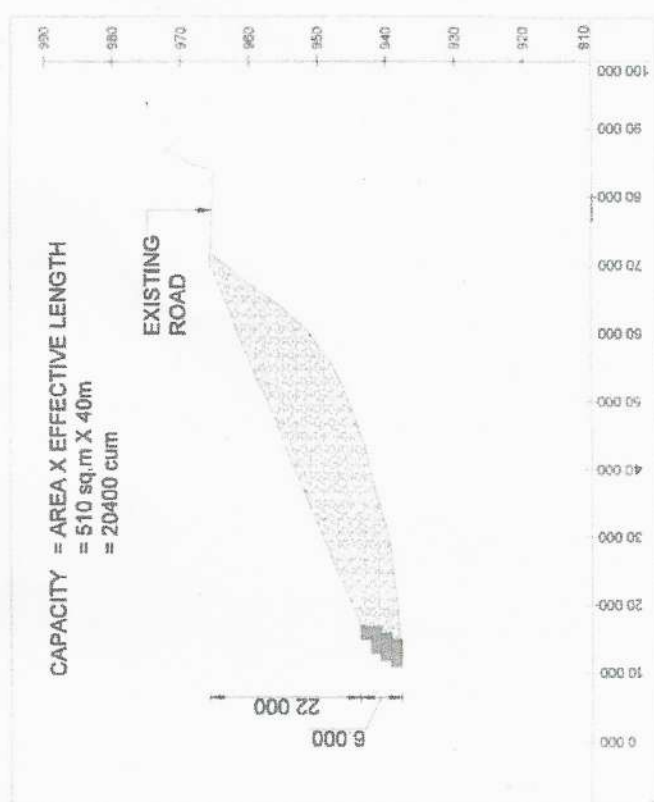


MUCK DISPOSAL AREA AT CH.
420+800 TO 420+840
SCALE 1:400

Graduate Engineer
National Highway & Infrastructure
Development Corporation Ltd
Chamoli / Rudrapur



PROJECT	CONSTRUCTION AND UPGRADATION OF EXISTING ROAD TO 3 LANE WITH PAVED SHOULDER FROM KM 399.000 TO KM 430.000 OF KARANPRAG TO CHAMOLI (EXCLUDING KM 420.250 TO KM 420.500 AND KM 423.300 TO KM 423.650) OF NH-07 UNDER CHARDHAM PARYODHA ON EPC BASIS IN THE STATE OF UTTARAKHAND (DESIGN LENGTH - 28.60 KM).
TITLE	MUCK DISPOSAL PLAN & SECTION AT CH 420+800 TO 420+840
DATE	
SCALE	HORIZONTAL SCALE - AS SHOWN
GROUP CONSULTANT	Khanna Designers & Consultants Pvt. Ltd. KDCPL Office No. 41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/1221/1222/1223/1224/1225/1226/1227/1228/1229/1230/1231/1232/1233/1234/1235/1236/1237/1238/1239/1240/1241/1242/1243/124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Graduate Engineer
National Highway & Infrastructure
Development Corporation Ltd.
Chamoli / Rudrapurag

MUCK DISPOSAL AREA AT CH.
420+940 TO 421+100

TOTAL CAPACITY
= 24400+20000+20400+19000
= 79200 cum

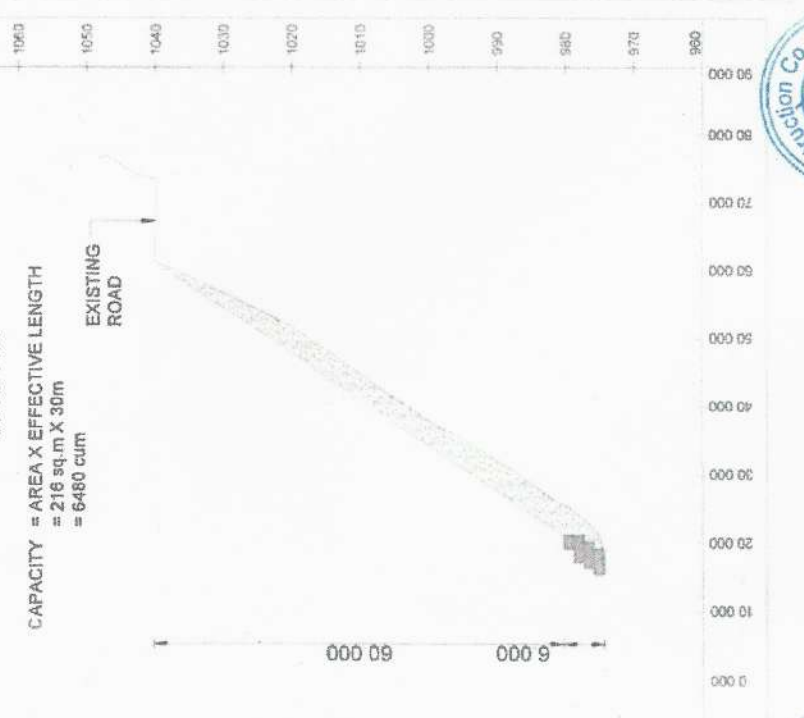
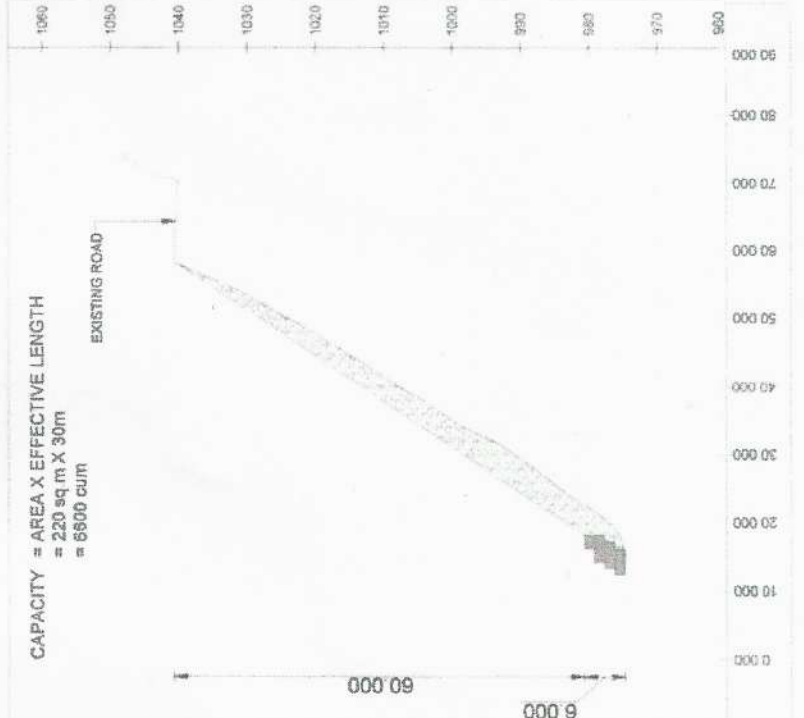
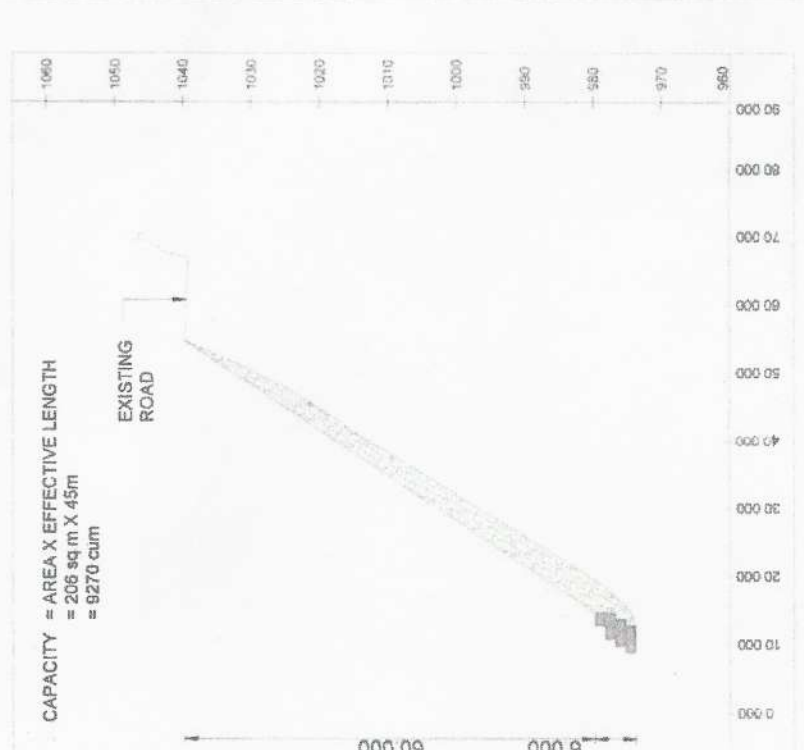
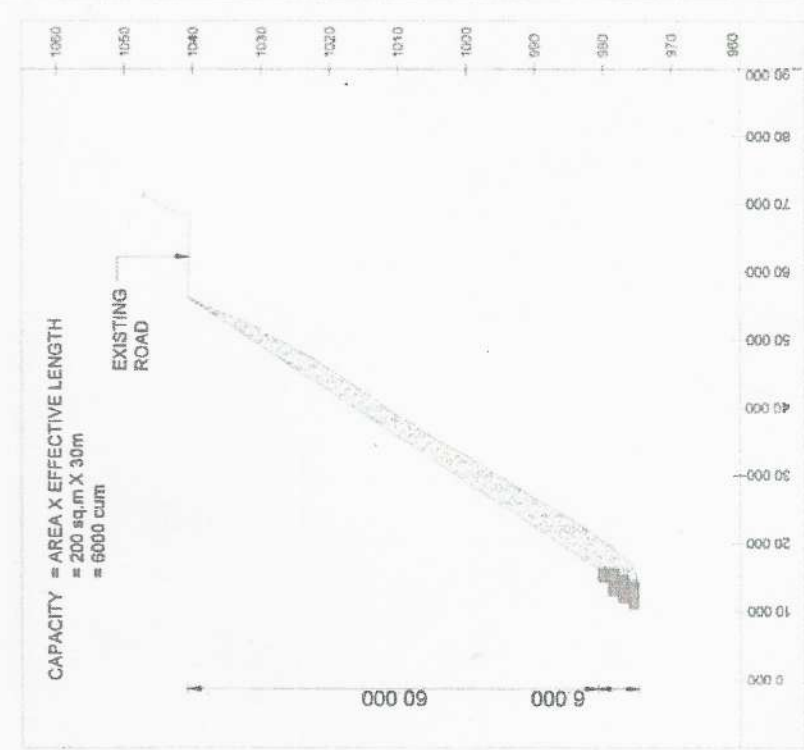
SECTION D-D
SCALE 1:750

SECTION C-C
SCALE 1750

SECTION A-A
SCALE 1/750

SECTION B-B
SCALE 1/750

APPROVED	CLIENT	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPEMENT CORPORATION LTD.	AUTHORITY	Highway Engineering Consultant in Association with LT Consulting Engineers Pvt. Ltd	PROJECT CONSULTANT	Khanna Designers & Consultants Pvt. Ltd. Sohna Road, Gurgaon, Haryana 122018	PROJECT	CONSTRUCTION AND UPGRADEATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM 399.000 TO KM. 439.000 OF KARANPRAYAG TO CHAMOLI (EXCLUDING KM 420.450 TO KM 420.550 AND KM 423.300 TO KM 423.650) OF NH-07 UNDER CHARDHANA PARIYAJANA ON EPC BASIS IN THE STATE OF UTTARAKHAND* (DESIGN LENGTH – 28.80 KM).
DRAWN	DESIGN CONSULTANT	BHARTI TECHNICAL & ENGINEERING PVT. LTD.	EPCC CONTRACTOR	SCCPL-HCCPL (JV) Office: A-5, Ground Floor, Shankar Garden, H-2/2, FIRST FLOOR, NEAR DDA LAL MARKET, VIKASPURI, NEW	SAFETY CONSULTANT	Khanna Goyal Designers LLP T-9, M-13 Valley View Estate, Deeg Road	TITLE	MUCK DISPOSAL PLAN & SECTION AT CH 420+840 TO 421+100
DESIGNED							DATE	HDR ZONITA, S.W.A.E. & S.S. SHOWN
							CHECKED	
							DRAWING NO.	SHEET 6/37



Sp. navi-

Graduate Engineer
National Highway & Infrastructure
Development Corporation Ltd.
Chamoli / Rudrapur

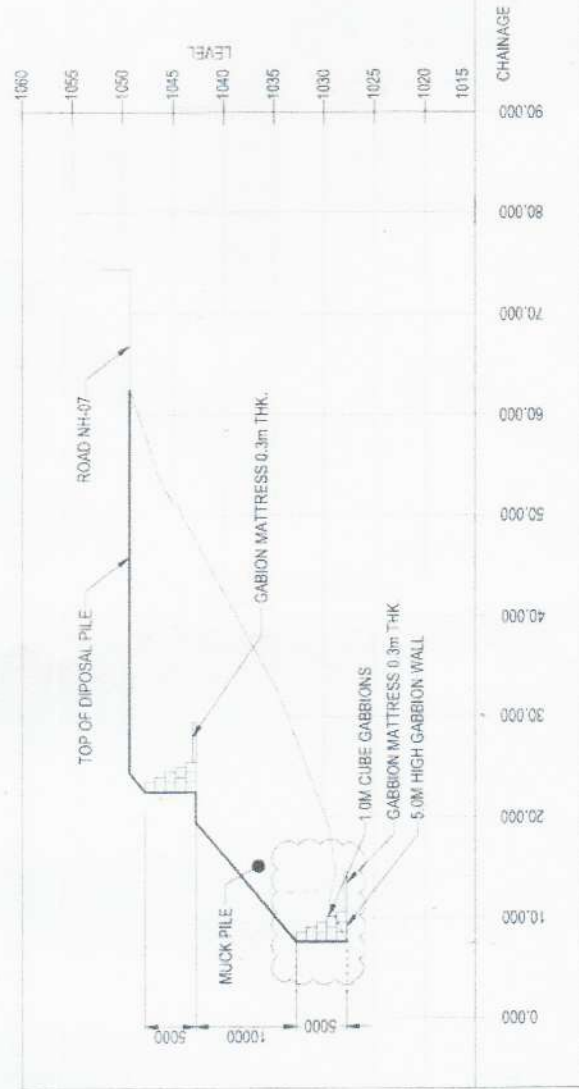


TOTAL CAPACITY
= 6600+6000+6480+9270
= 48000 cum

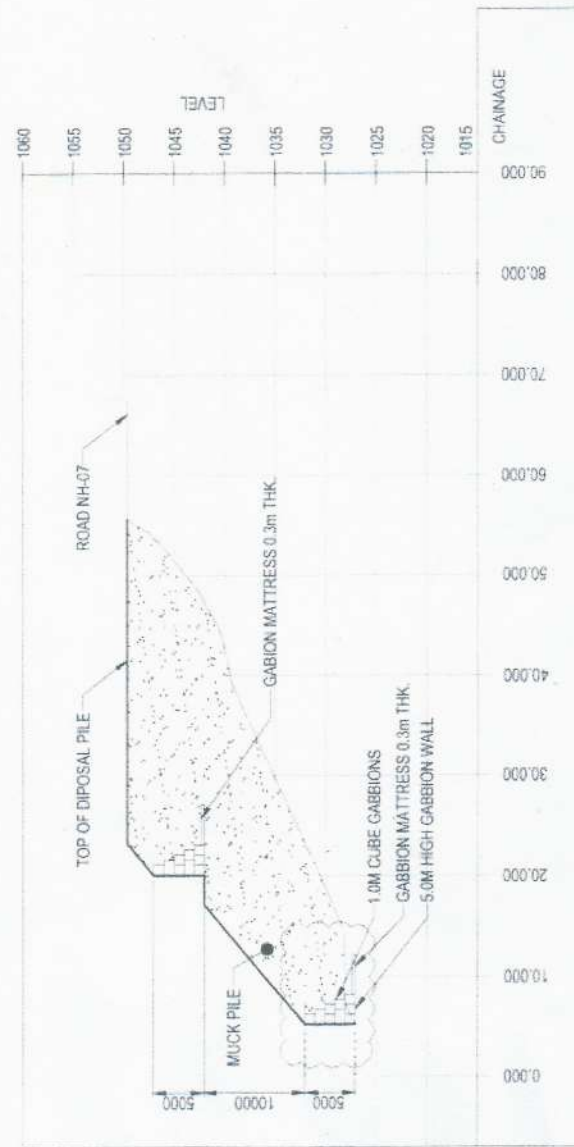
PROJECT	CONSTRUCTION AND UPGRADE OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM 399.000 TO KM 430.000 OF KANUNPRAYAG TO CHAMOLI EXCLUDING KM 420.250 TO KM 420.500 AND KM 423.300 TO KM 423.650 OF NH-07 UNDER CHARDHAM PARIYAJNA ON EPC BASIS IN THE STATE OF UTTARAKHAND. (DESIGN LENGTH - 28.80 KM).
TITLE	MUCK DISPOSAL PLAN & SECTION AT CH 425+000 TO 425+050
DATE	HORIZONTAL SCALE = 1:1000
DRAWING NO.	CHD/18/2023/01/01/01
SHEET SIZE	A1
PROJECT CONSULTANT	Khamma Designers & Consultants Pvt. Ltd. C-10, Sector-10, Gurgaon, Haryana-122001
PROJECT CONSULTANT	KDCPL
PROJECT CONSULTANT	Khamma Designers & Consultants Pvt. Ltd.
PROJECT CONSULTANT	Khamma Goyal Designers LLP
PROJECT CONSULTANT	Khamma Goyal Designers LLP
PROJECT CONSULTANT	Highway Engineering Consultant in Association with LT Consulting Engineers Pvt. Ltd.
PROJECT CONSULTANT	SCCPL-HCCPL (JV)
PROJECT CONSULTANT	SCCPL-HCCPL (JV)
PROJECT CONSULTANT	SCCPL-HCCPL (JV)
PROJECT CONSULTANT	SCCPL-HCCPL (JV)
PROJECT CONSULTANT	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
PROJECT CONSULTANT	H-2/2, FIRST FLOOR, NEAR DDA LAL MARKET, VIKASPURI, NEW DELHI - 110019
PROJECT CONSULTANT	H-2/2, FIRST FLOOR, NEAR DDA LAL MARKET, VIKASPURI, NEW DELHI - 110019
PROJECT CONSULTANT	H-2/2, FIRST FLOOR, NEAR DDA LAL MARKET, VIKASPURI, NEW DELHI - 110019
PROJECT CONSULTANT	H-2/2, FIRST FLOOR, NEAR DDA LAL MARKET, VIKASPURI, NEW DELHI - 110019
PROJECT CONSULTANT	SMART TECHNICAL & ENGINEERING SERVICES
PROJECT CONSULTANT	SMART TECHNICAL & ENGINEERING SERVICES
PROJECT CONSULTANT	SMART TECHNICAL & ENGINEERING SERVICES
PROJECT CONSULTANT	SMART TECHNICAL & ENGINEERING SERVICES
PROJECT CONSULTANT	SMART TECHNICAL & ENGINEERING SERVICES



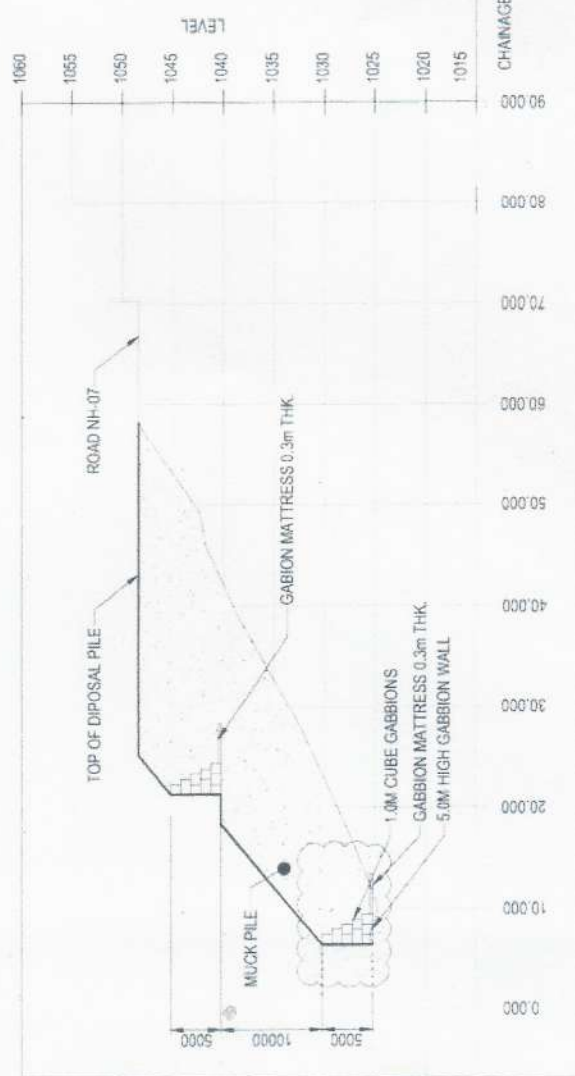
MUCK DISPOSAL AREA
AT CH. 435+600 TO 435+688
SCALE 1:500



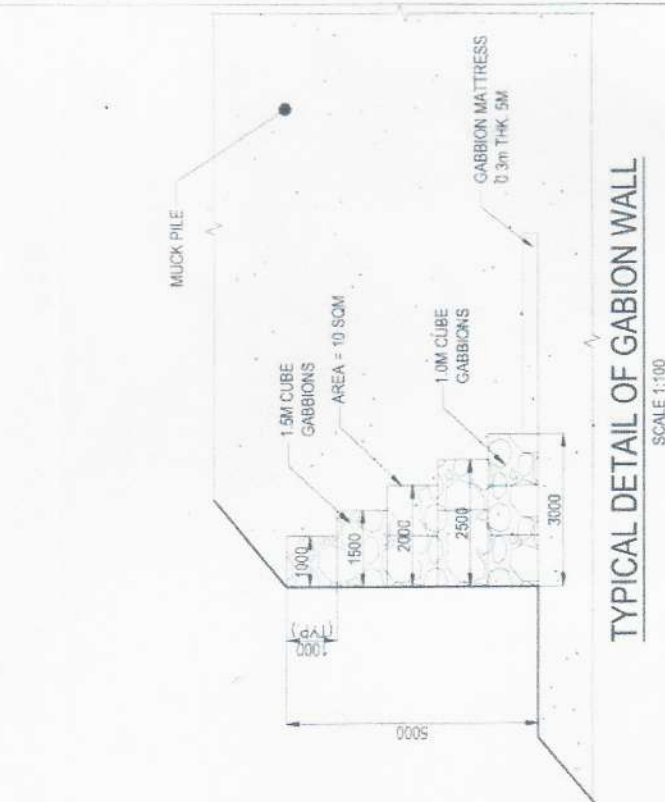
PROFILE 1-1
SCALE 1:500



PROFILE 2-2
SCALE 1:500



PROFILE 3-3
SCALE 1:500



TYPICAL DETAIL OF GABION WALL



- TOTAL LENGTH OF GABION WALL = 197
- VOLUME OF GABION WALL = $197 \times 10 = 1970 \text{ CUM}$
- TOTAL AVERAGE AREA = 0.2504 Ha
- AVERAGE LENGTH OF DUMPING AREA = 88M
- TOTAL DUMPING CAPACITY = 37065 CUM

Graduate Engineer
National Highway & Infrastructure
Development Corporation Ltd.
Chamoli / Rudrapur
DESIGN

PROJECT: CONSTRUCTION & UPGRADEATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDERS FROM KM 430.00 TO KM 468.00 OF CHAMOLI TO PAINI (EXCLUDING KM 437.625 TO KM 437.775, KM 458.900 TO KM 459.475 AND KM 464.425 TO KM 464.525) OF NH-07 UNDER CHARDHAM PARIYOJNA ON EPC BASIS IN THE STATE OF UTTARAKHAND (PKG-III)

PROOF CONSULTANT

EPC CONTRACTOR
S. KONG
DEVELOPMENT DIRECTOR
S. KONG
NKG INFRASTRUCTURE LTD

OWNER ENGINEERING

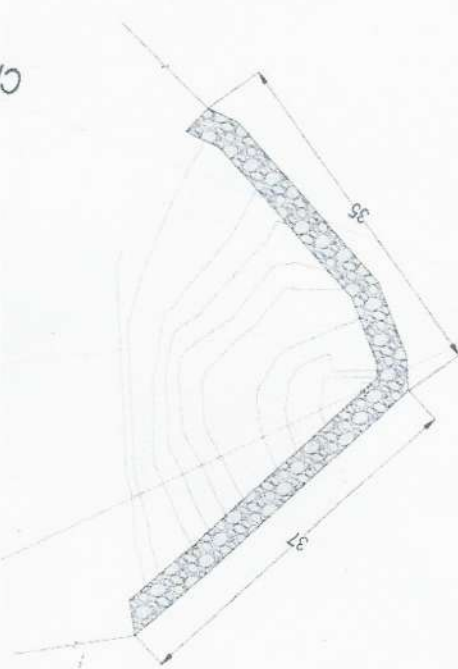
MARTEL
FOR THE HIGHWAY INDUSTRY, BUILDING THE FUTURE

National Highways & Infrastructure

TITLE: MUCK DISPOSAL PLAN & SECTION
AT CH 435+600 TO 435+588

DESIGNED BY :	SK
APPROVED BY :	DK
DRG. NO. : CP/ROAD/MD/001	

REV	DATE	DESCRIPTION	SCALE	1:100, 1:500	REVISION	R-0
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MUCK DISPOSAL AREA
AT CH. 436+450 TO 436+540
SCALE 1:500

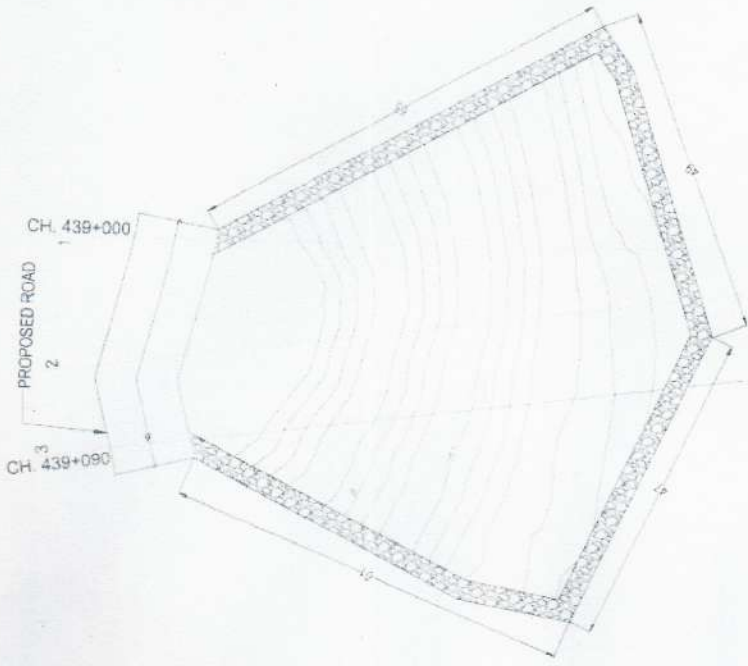


PROJECT: CONSTRUCTION & UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDERS FROM KM 430.00 TO KM 468.00 OF CHAMOLI TO PAINI (EXCLUDING KM 437.625 TO KM 437.775, KM 458.900 TO KM 459.475 AND KM 464.425 TO KM 464.525) OF NH-07 UNDER CHARDHAM PARYAJANA ON EPC BASIS IN THE STATE OF UTTARAKHAND (PKG-II)

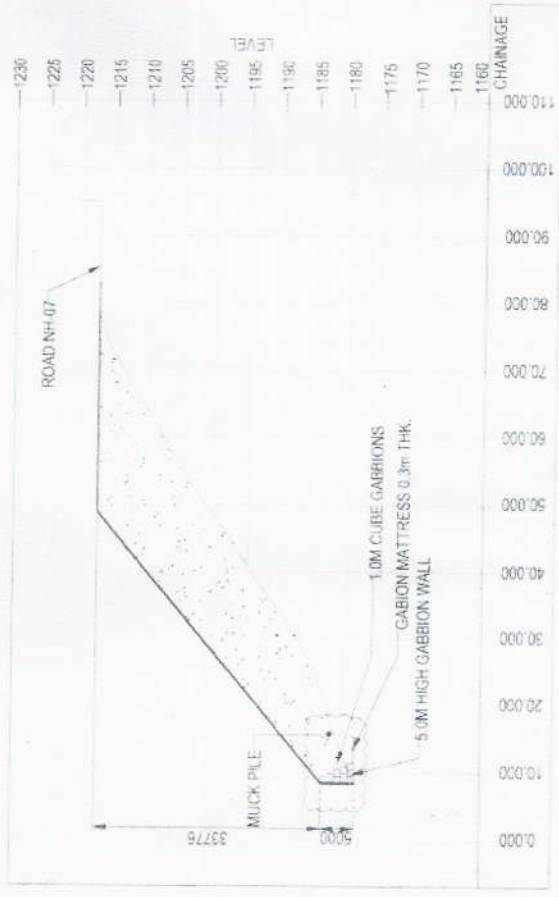
						TITLE	MUCK DISPOSAL PLAN & SECTION AT CH 436+450 TO 436+540
						DRAWN BY :	AS
						DESIGNED BY :	SK
						APPROVED BY :	DK
						ORIG. NO.	CPIROAD/MD/002
REV	DATE	DESCRIPTION	SCALE	1:200, 1:250	REVISION	R-0	FEB 2020

Arbidev
Graduate Engineer
National Highway & Infra
Development Corporation
Chamoli / Rudrapur

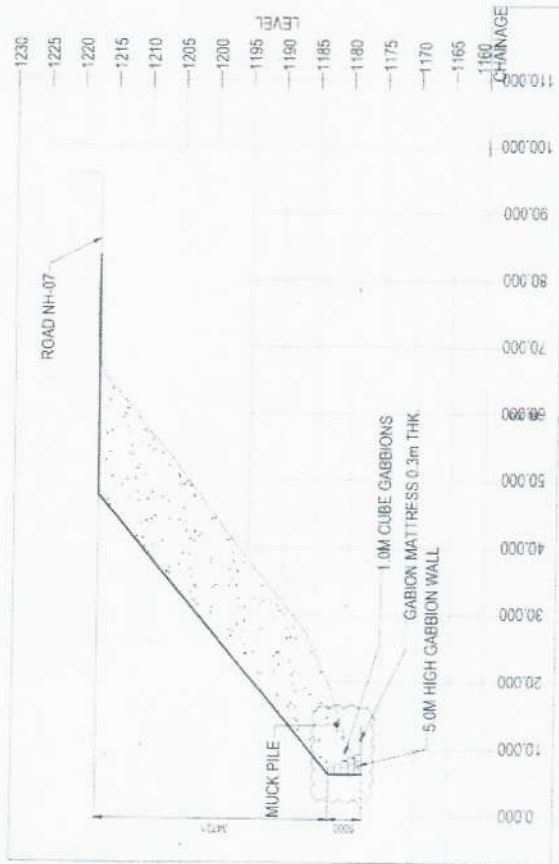




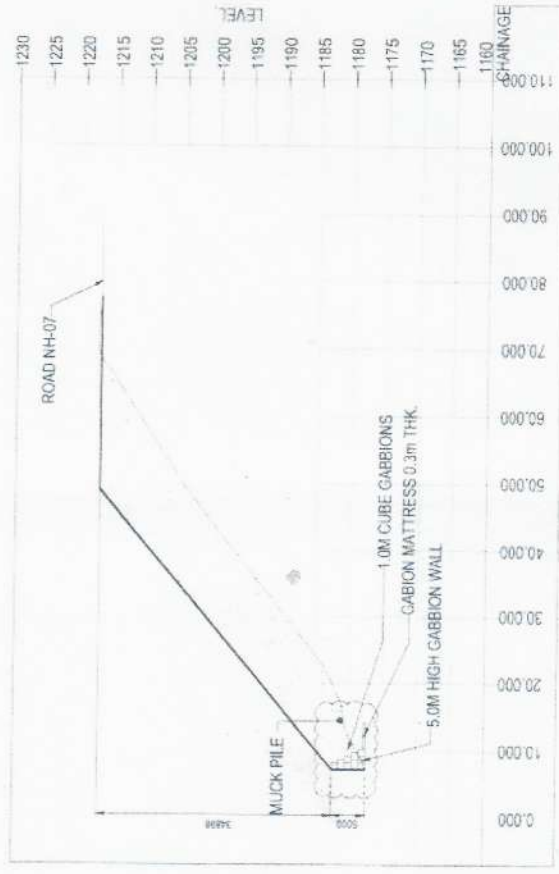
MUCK DISPOSAL AREA
AT CH. 439+000 TO 439+090
SCALE 1:750



PROFILE 1-1
SCALE 1:750

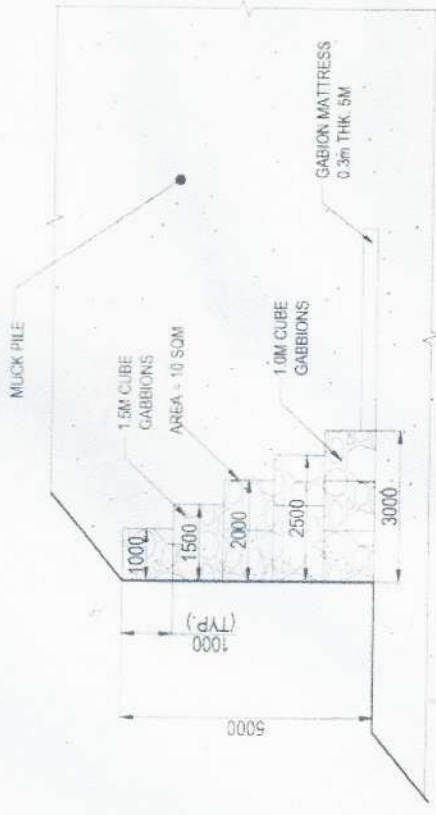


PROFILE 2-2
SCALE 1:750



PROFILE 3-3
SCALE 1:750

- TOTAL LENGTH OF GABION WALL = 222
- VOLUME OF GABION WALL = 222 X 10 = 2220 CUM
- TOTAL AVERAGE AREA = 0.3915 Ha
- AVERAGE LENGTH OF DUMPING AREA = 3M
- TOTAL DUMPING CAPACITY = 96673 CUM



TYPICAL DETAIL OF GABION WALL
SCALE 1:100

OWNER ENGINEERING

NADCL
National Highways & Infrastructure Development Corporation Ltd. (NHIDCL)

CONSULTANT

MANOJ ENGINEERS
MANOJ ENGINEERS

EPC CONTRACTOR

SKS INFRASTRUCTURE LTD
SKS INFRASTRUCTURE LTD

PROOF CONSULTANT

KCC GLOBAL CONSULTANTS PVT LTD
KCC GLOBAL CONSULTANTS PVT LTD

PROJECT

CONSTRUCTION & UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDERS FROM KM 430.000 TO KM 468.000 OF CHAMOLI TO PAINI (EXCLUDING KM 437.625 TO KM 437.775, KM 458.900 TO KM 459.475 AND KM 464.425 TO KM 464.525) OF NH-07 UNDER CHARDHAM PARIYOJNA ON EPC BASIS IN THE STATE OF UTTARAKHAND (PKG-III)

REV	DATE	DESCRIPTION	SCALE	1:200, 1:250	REVISION	R-0
DRAWN BY	AS	TITLE	MUCK DISPOSAL PLAN & SECTION			
DESIGNED BY	SK		AT CH 439+000 TO 439+090			
APPROVED BY	DK	DRG. NO.	CP/ROAD/MD/003			



Anshu Engineer
Graduate Engineer
National Highway & Infrastructure Development Corporation Ltd.
Chamoli / Rudrapur

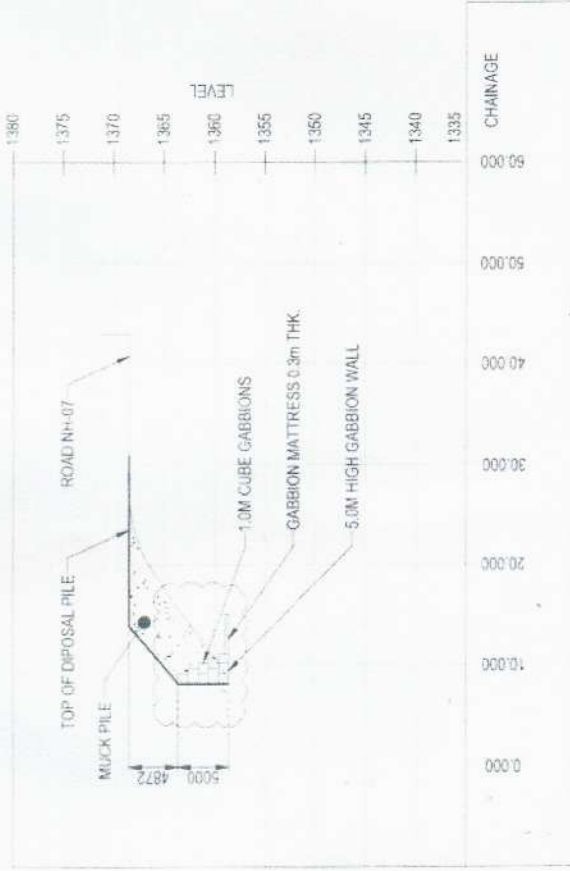
FEB 2020

PROPOSED ROAD

CH. 448+230
CH. 448+150



MUCK DISPOSAL AREA
AT CH. 448+150 TO 448+230
SCALE 1:500

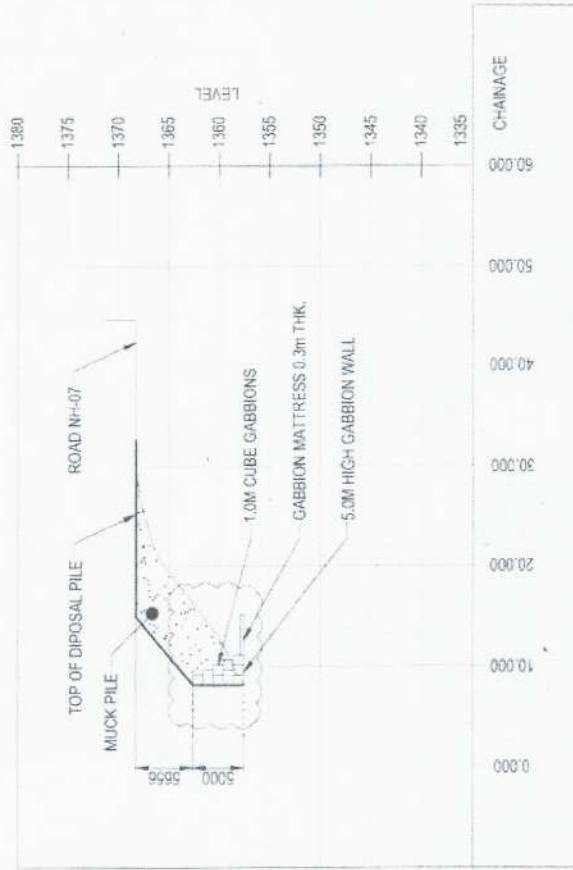


PROFILE 1-1
SCALE 1:500

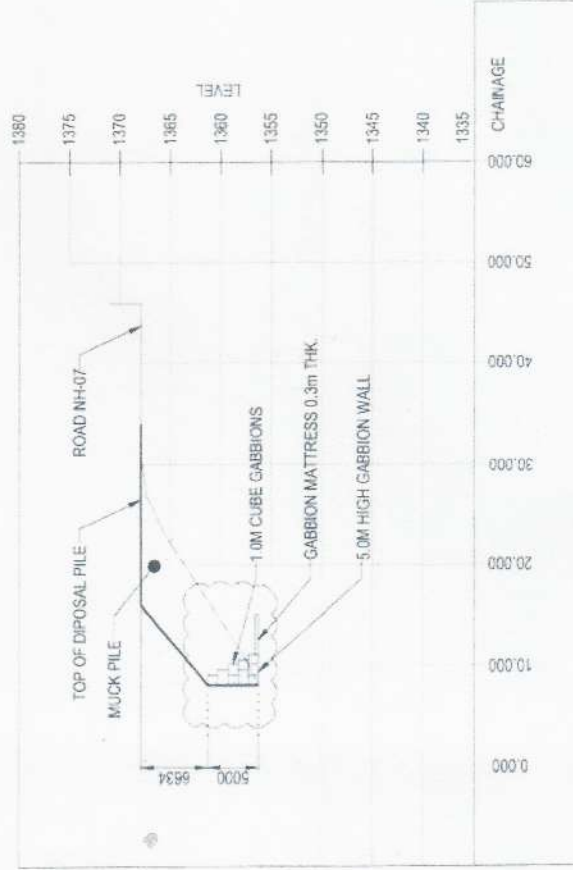


TYPICAL DETAIL OF GABION WALL
SCALE 1:100

- TOTAL LENGTH OF GABION WALL = 115
- VOLUME OF GABION WALL = 115 X 10 = 1150 CUM
- TOTAL AVERAGE AREA = 0.5388 Ha
- AVERAGE LENGTH OF DUMPING AREA = 78M
- TOTAL DUMPING CAPACITY = 352642 CUM



PROFILE 2-2
SCALE 1:500



PROFILE 3-3
SCALE 1:500

OWNER ENGINEERING



National Highways & Infrastructure
Development Corporation Ltd. (NHIDCL)

PROJECT CONSULTANT



KOC GLOBAL CONSULTANTS PVT. LTD.
301 Kirti, Sector 14, Dwarka New Delhi,
Delhi-110075 www.kocglobalconsultants.com

PROOF CONSULTANT



EPC CONTRACTOR



DESIGN DIRECTOR



PROJECT

CONSTRUCTION & UPGRADATION OF EXISTING ROAD TO
2-LANE WITH PAVED SHOULDERS FROM KM 430.000 TO KM
468.000 OF CHAMOLI TO PAINI (EXCLUDING KM 437.625 TO
KM 437.775, KM 458.900 TO KM 459.475 AND KM 464.425 TO
KM 464.525) OF NH-07 UNDER CHARDHAM PARIYOJNA ON
EPC BASIS IN THE STATE OF UTTARAKHAND (PKG-III)

DRAWN BY: AS

DESIGNED BY: SK

APPROVED BY: DK

SCALE: 1:100, 1:750

REVISION: R-0

TITLE:

MUCK DISPOSAL PLAN &

AT CH 448+150 TO 448+230

DRG NO.:

CP/ROAD/MD/004

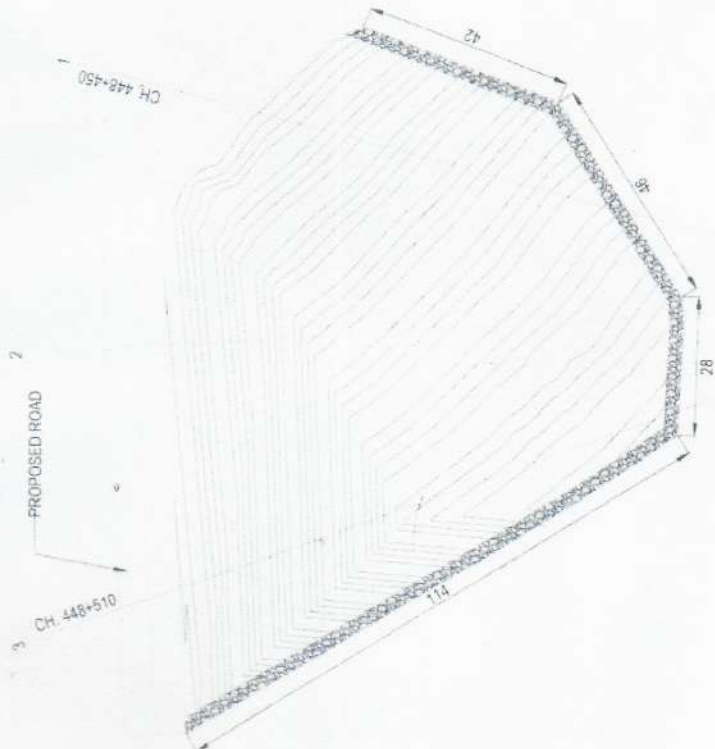
REVISION

R-0

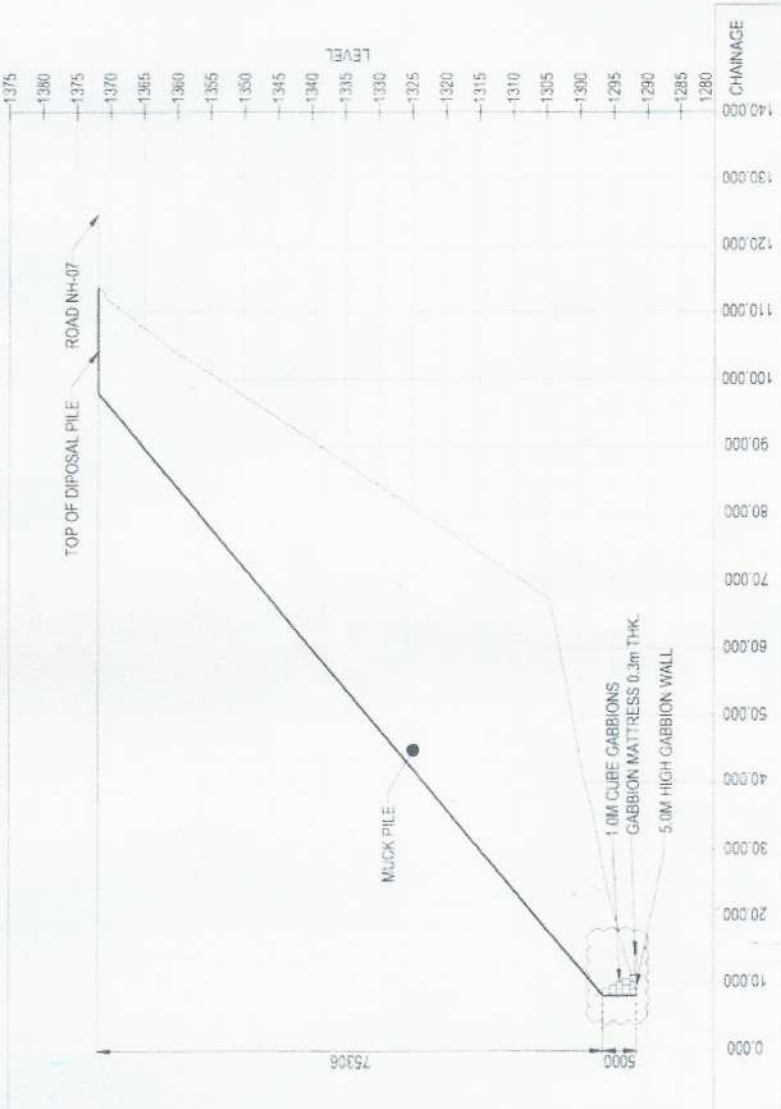
FEB 2020



Graduate Engineer
National Highways & Infrastructure
Development Corporation Ltd.
Chamoli / Rudrapurayag



MUCK DISPOSAL AREA
AT CH. 448+450 TO 448+510
SCALE 1:1000

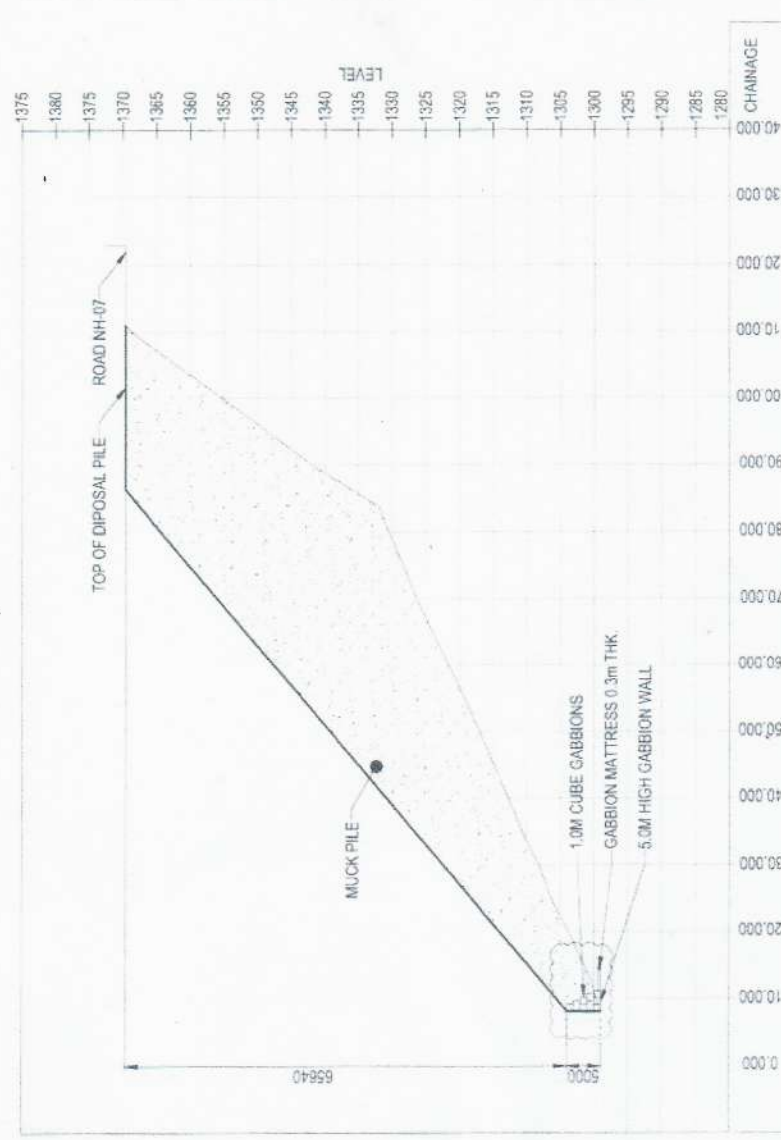


PROFILE 1-1
SCALE 1:750

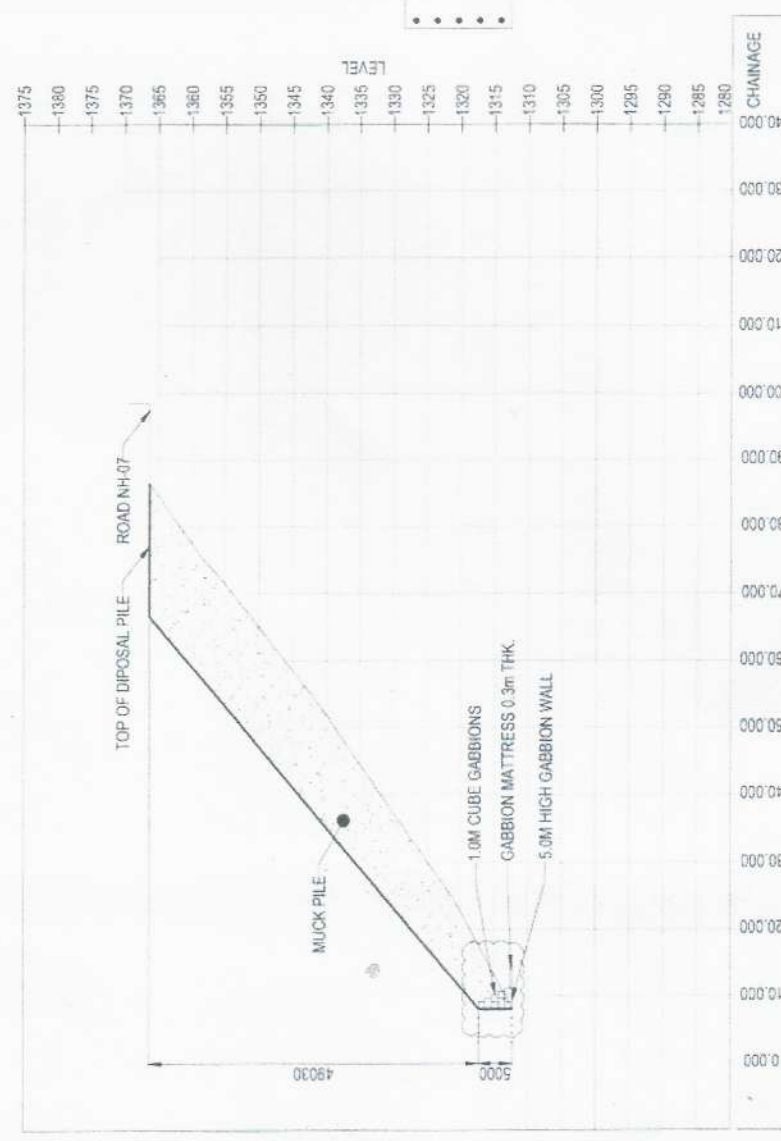


TYPICAL DETAIL OF GABBION WALL
SCALE 1:100

- TOTAL LENGTH OF GABBION WALL = 230
- VOLUME OF GABBION WALL = 230 X 10 = 2300 CUM
- TOTAL AVERAGE AREA = 0.3250 Ha
- AVERAGE LENGTH OF DUMPING AREA = 67M
- TOTAL DUMPING CAPACITY = 170038 CUM



PROFILE 2-2
SCALE 1:750



PROFILE 3-3
SCALE 1:750

OWNER ENGINEERING:
National Highways & Infrastructure Development Corporation Ltd. (NHIDCL)

EPC CONTRACTOR:
NKG INFRASTRUCTURE LTD.

DESIGNER:
KOC CONSULTANTS PVT. LTD.

PROOF CONSULTANT:
KOC CONSULTANTS PVT. LTD.

PROJECT:
CONSTRUCTION & UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDERS FROM KM 430.000 TO KM 468.000 OF CHAMOLI TO PAINI (EXCLUDING KM 437.625 TO KM 437.775, KM 458.900 TO KM 459.475 AND KM 464.425 TO KM 464.525) OF NH-07 UNDER CHARDHAM PARIYOJANA ON EPC BASIS IN THE STATE OF UTTARAKHAND (PKG-III)

TITLE: MUCK DISPOSAL AT CH 448+450 TO 448+510

DRAWN BY: AS

DESIGNED BY: SK

APPROVED BY: DK

DRG NO.: CP/ROAD/MD/005

REVISION: R-0

SCALE: 1:100, 1:750, 1:1000

DATE:

DESCRIPTION:

REV:

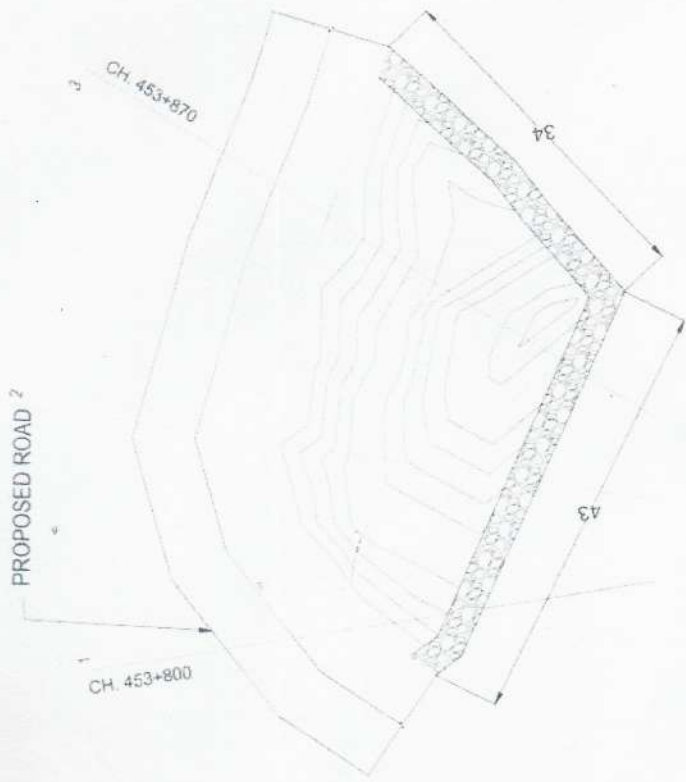
DATE:

SCALE: 1:100, 1:750, 1:1000

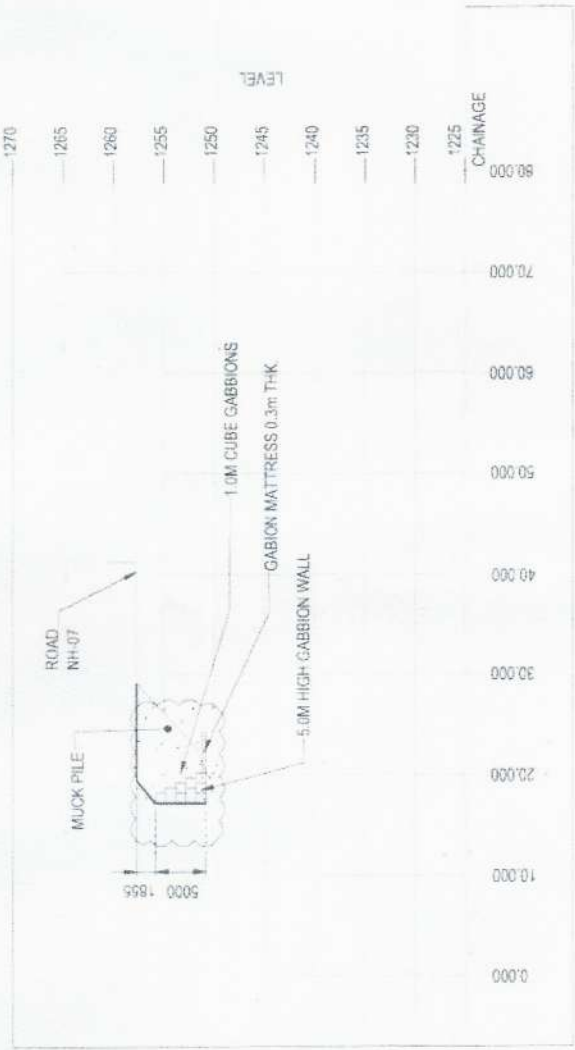
REVISION: R-0

FEB 2020

Graduate Engineer:
National Highway & Infrastructure Development Corporation Ltd.
Chamoli / Rudrapur



MUCK DISPOSAL AREA
AT CH. 453+800 TO 453+870
SCALE 1:500

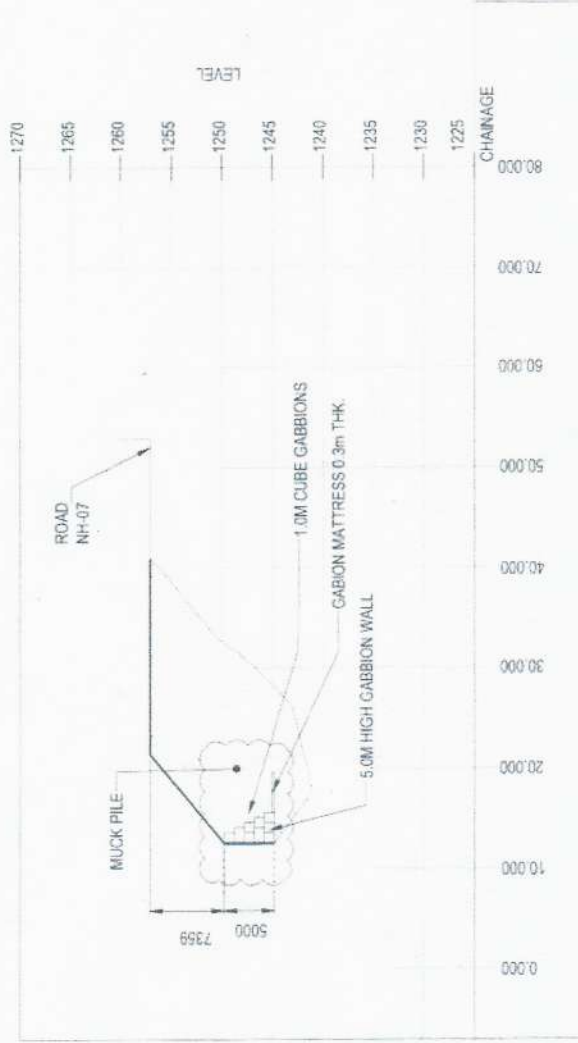


PROFILE 1-1
SCALE 1:500

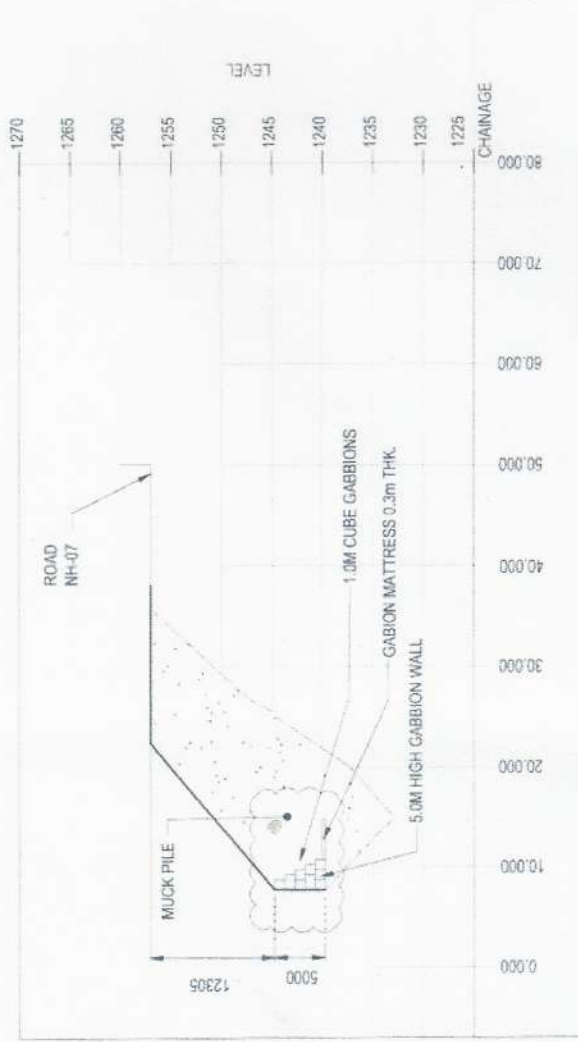
- TOTAL LENGTH OF GABBION WALL = 77
- VOLUME OF GABBION WALL = 77 X 10 = 770 CUM
- TOTAL AVERAGE AREA = 0.4227 Ha
- AVERAGE LENGTH OF DUMPING AREA = 70M
- TOTAL DUMPING CAPACITY = 150348 CUM



TYPICAL DETAIL OF GABBION WALL
SCALE 1:100



PROFILE 2-2
SCALE 1:500



PROFILE 3-3
SCALE 1:500



PROJECT:
CONSTRUCTION & UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDERS FROM KM 430.000 TO KM 468.000 OF CHAMOLI TO PAINI (EXCLUDING KM 437.625 TO KM 437.775, KM 458.900 TO KM 459.475 AND KM 464.425 TO KM 464.525) OF NH-07 UNDER CHARDHAM PARIYOJNA ON EPC BASIS IN THE STATE OF UTTARAKHAND (PKG-III)

REV	DATE	DESCRIPTION

DRAWN BY :	AS
DESIGNED BY :	SK
APPROVED BY :	DK
SCALE :	1:200, 1:250
REVISION :	R-0

TITLE : MUCK DISPOSAL PLAN & SECTION DEVELOPMENT CORPORATION
AT CH 453+800 TO 453+870
CHAMOLI / RUDRAPUR



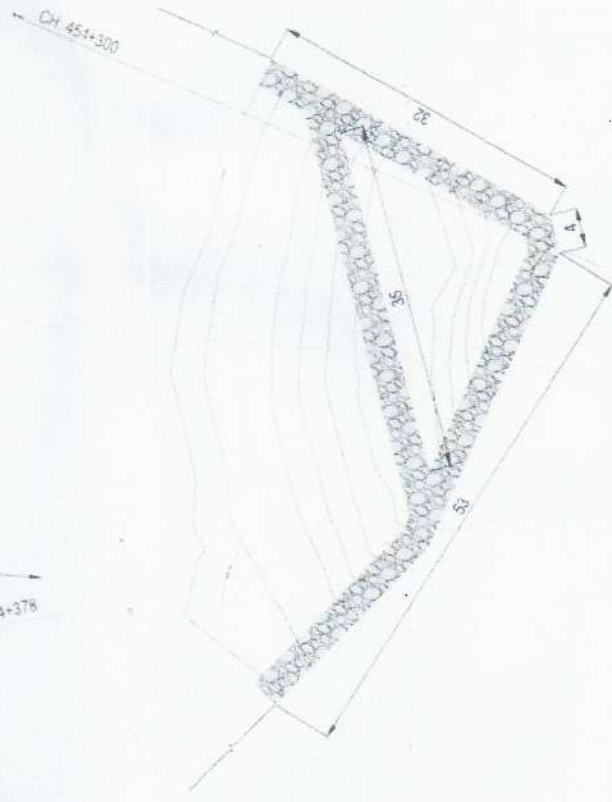
Graduate Engineer
National Highway & Infrastructure Development Corporation
Chamoli / Rudrapur

FEB 2020

PROPOSED ROAD

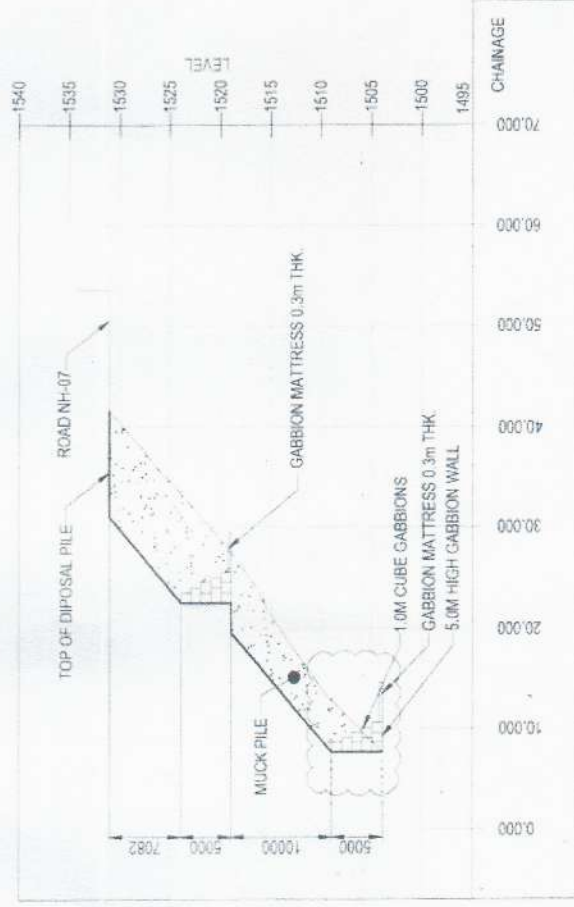
2

CH 454+378



MUCK DISPOSAL AREA
AT CH. 454+300 TO 454+378

SCALE 1:500



PROFILE 1-1

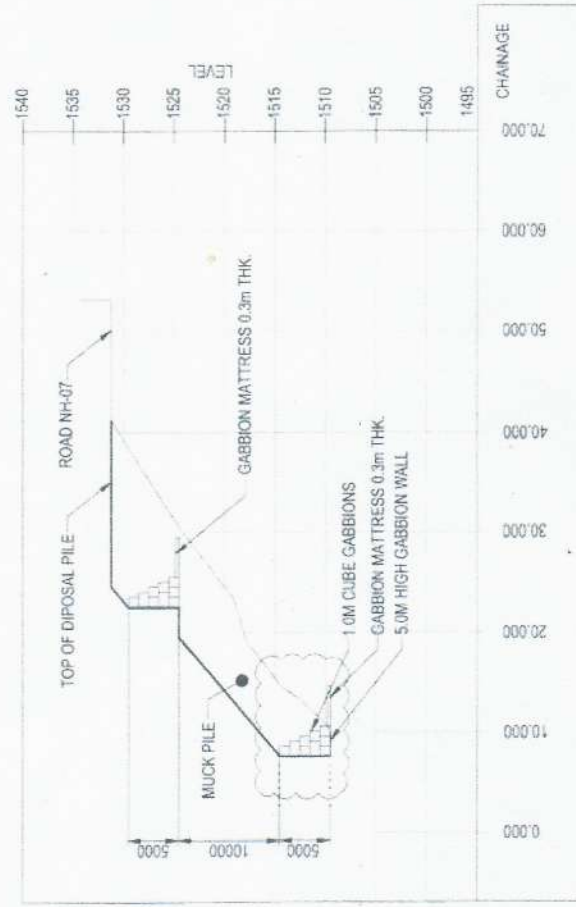
SCALE 1:500



TYPICAL DETAIL OF GABION WALL

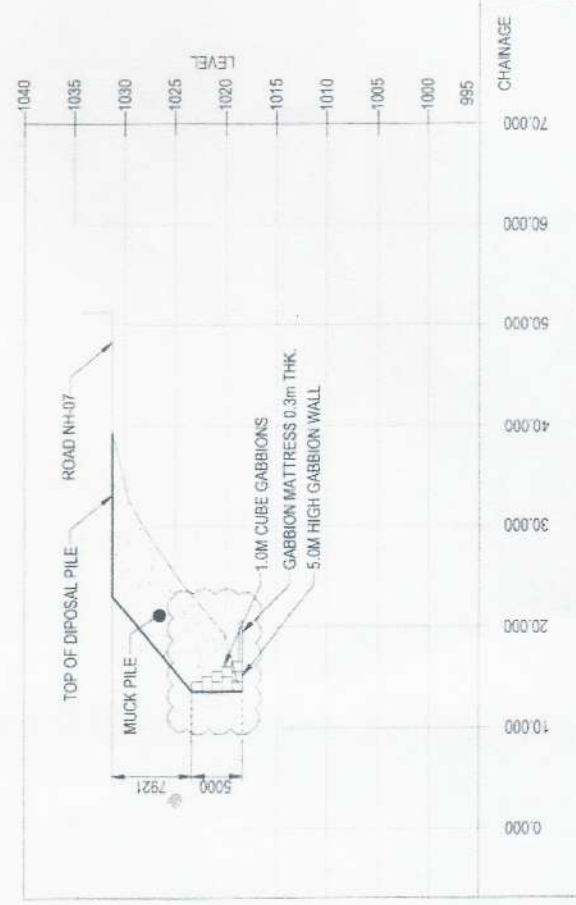
SCALE 1:100

- TOTAL LENGTH OF GABION WALL = 124
- VOLUME OF GABION WALL = 124 X 10 = 1240 CUM
- TOTAL AVERAGE AREA = 0.2113 Ha
- AVERAGE LENGTH OF DUMPING AREA = 78M
- TOTAL DUMPING CAPACITY = 37690 CUM



PROFILE 2-2

SCALE 1:500



PROFILE 3-3

SCALE 1:500

OWNER ENGINEERING :



National Highways & Infrastructure
Development Corporation Ltd. (NHIDCL)

EPC CONTRACTOR



NKG INFRASTRUCTURE LTD.

PROOF CONSULTANT



KOC GLOBAL CONSULTANTS PVT. LTD.
301 Kalyan, Sector 14, Dwarka, New Delhi,
Delhi 110015 www.kocglobalconsultants.com

PROJECT

CONSTRUCTION & UPGRADATION OF EXISTING ROAD TO
2-LANE WITH PAVED SHOULDERS FROM KM 430.000 TO KM
468.000 OF CHAMOLI TO PAINI (EXCLUDING KM 437.625 TO
KM 437.775, KM 458.900 TO KM 459.475 AND KM 464.425 TO
KM 464.525) OF NH-07 UNDER CHARDHAM PARIYOJNA ON
EPC BASIS IN THE STATE OF UTTARAKHAND (PKG-III)

DRAWN BY :

DEEPAK

DESIGNED BY :

SK

APPROVED BY :

DK

SCALE :

1:100, 1:500

REVISION

R-0

TITLE :

MUCK DISPOSAL PLAN & SECTION

AT CH 454+300 TO 454+378

DRG NO. :

CP/ROAD/INFRA/001

REVISION

R-0

SCALE

1:100, 1:500

DATE

FEB 2020

CHAMOLI / Rudraprayag

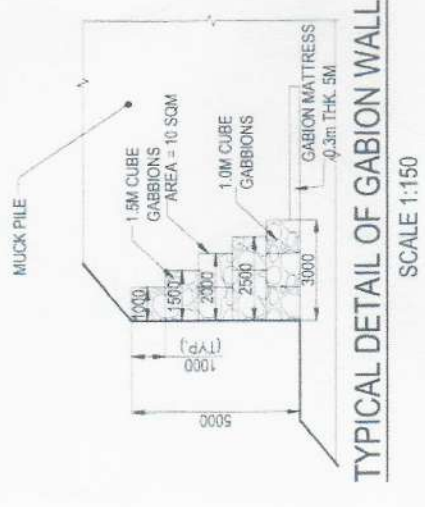
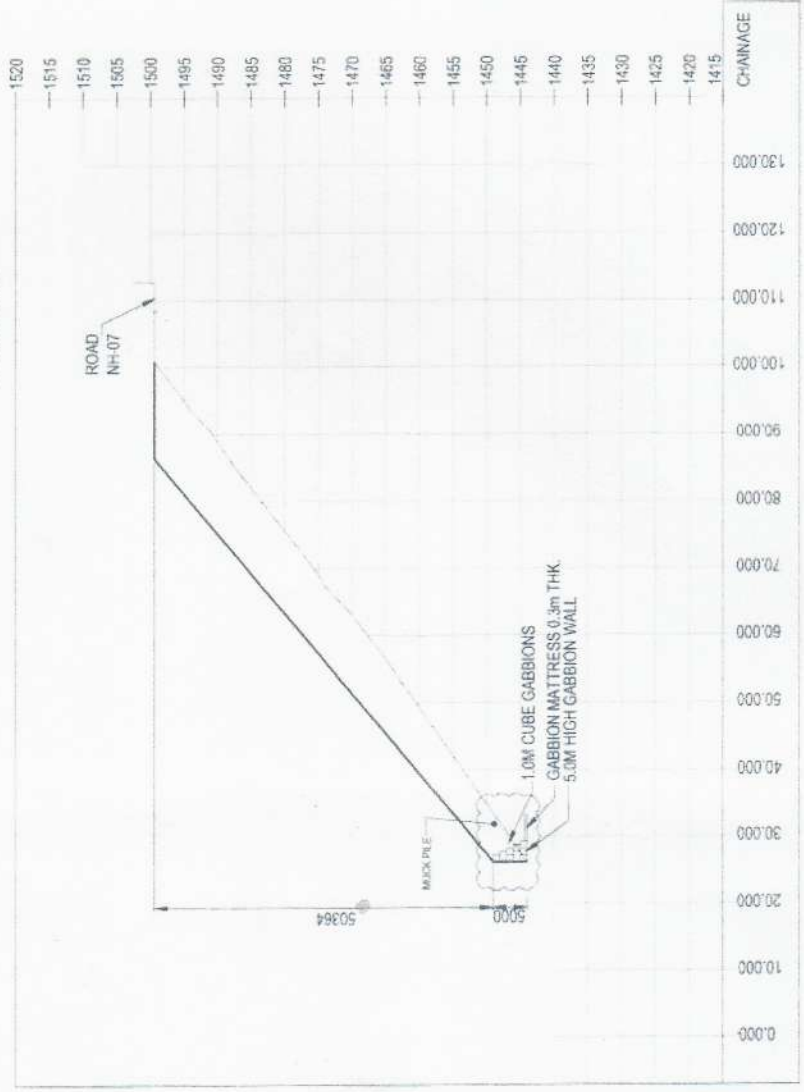
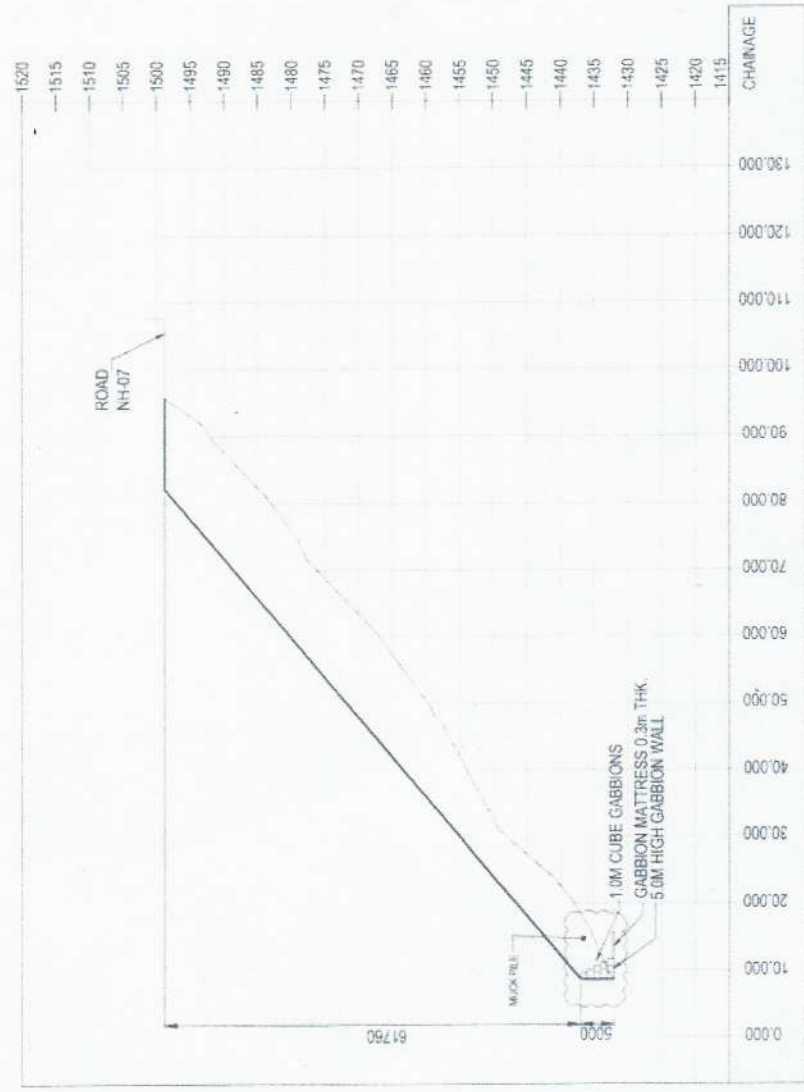
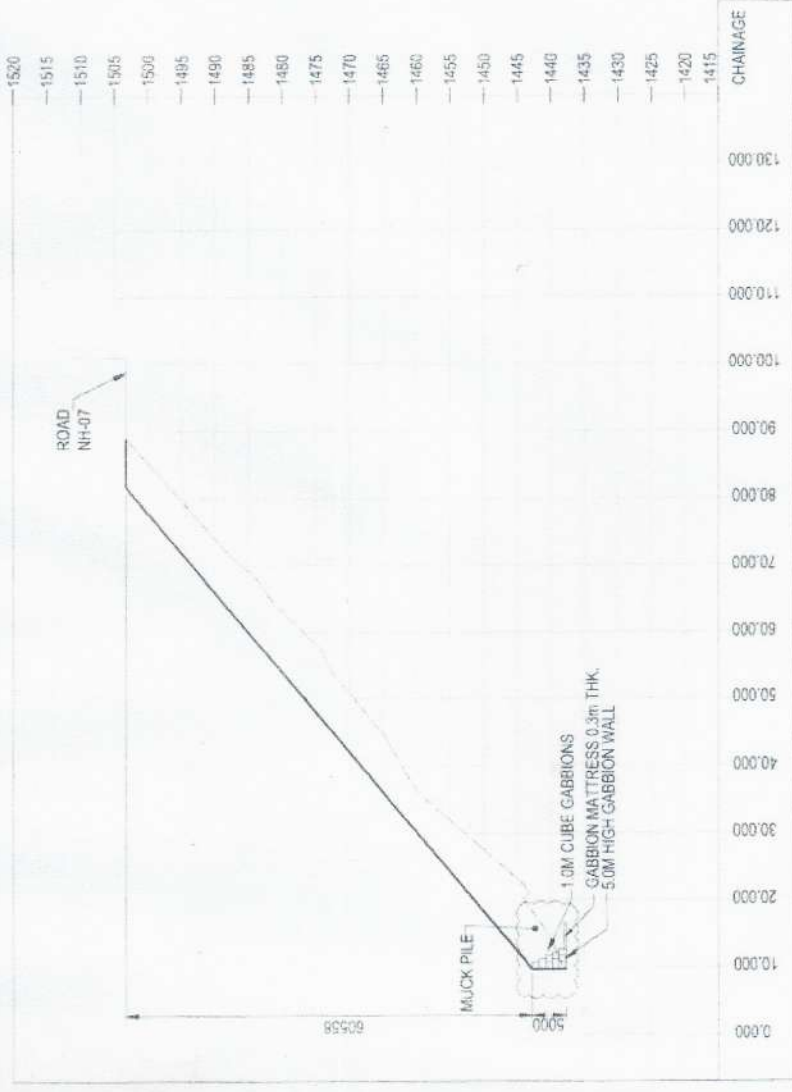
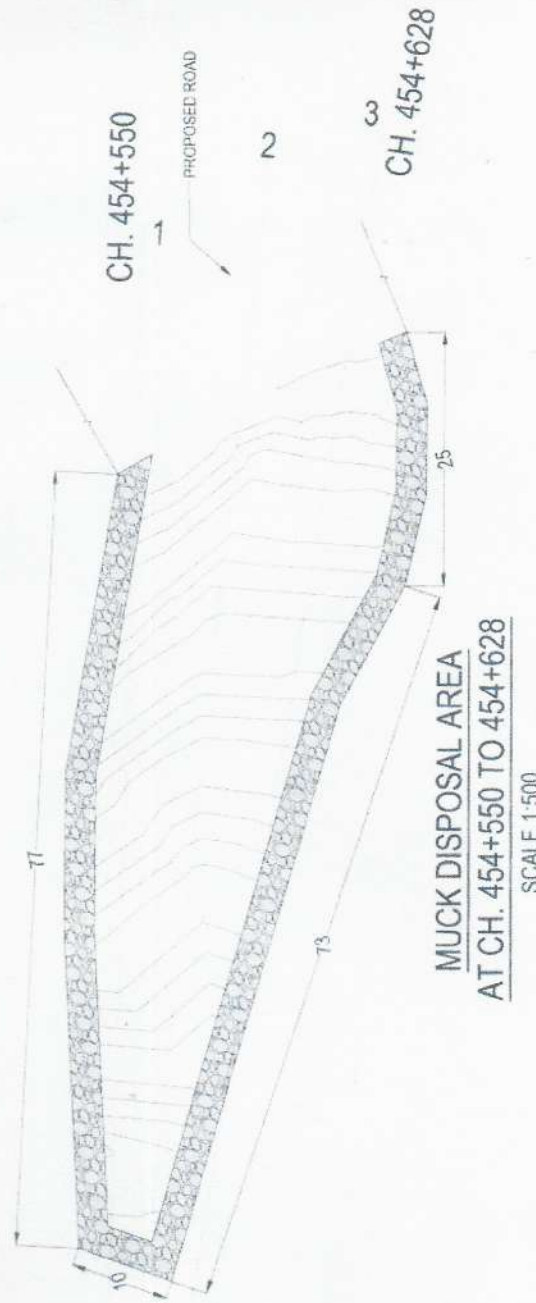
Development Corporation Ltd.

National Highway & Infrastructure

Graduate Engineer

Signature

Stamp



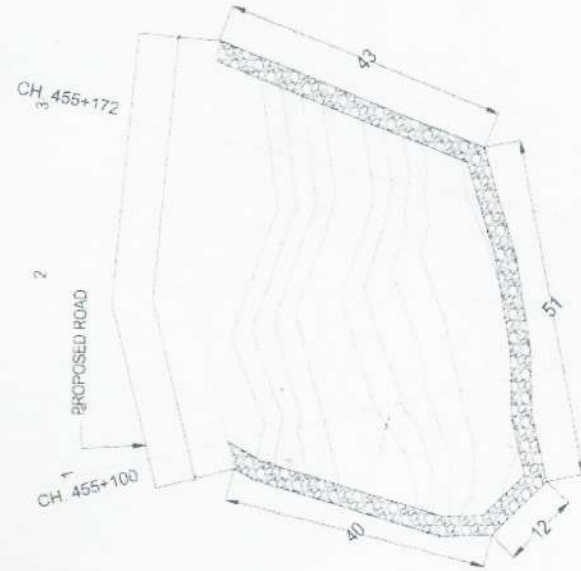
- TOTAL LENGTH OF GABION WALL = 185
- VOLUME OF GABION WALL = 185 x 10 = 1850 CUM
- TOTAL AVERAGE AREA = 185 x 10 = 1850 SQM
- AVERAGE LENGTH OF DUMPING AREA = 33M
- TOTAL DUMPING CAPACITY = 8615 CUM

PROFILE 3-3
SCALE 1:750

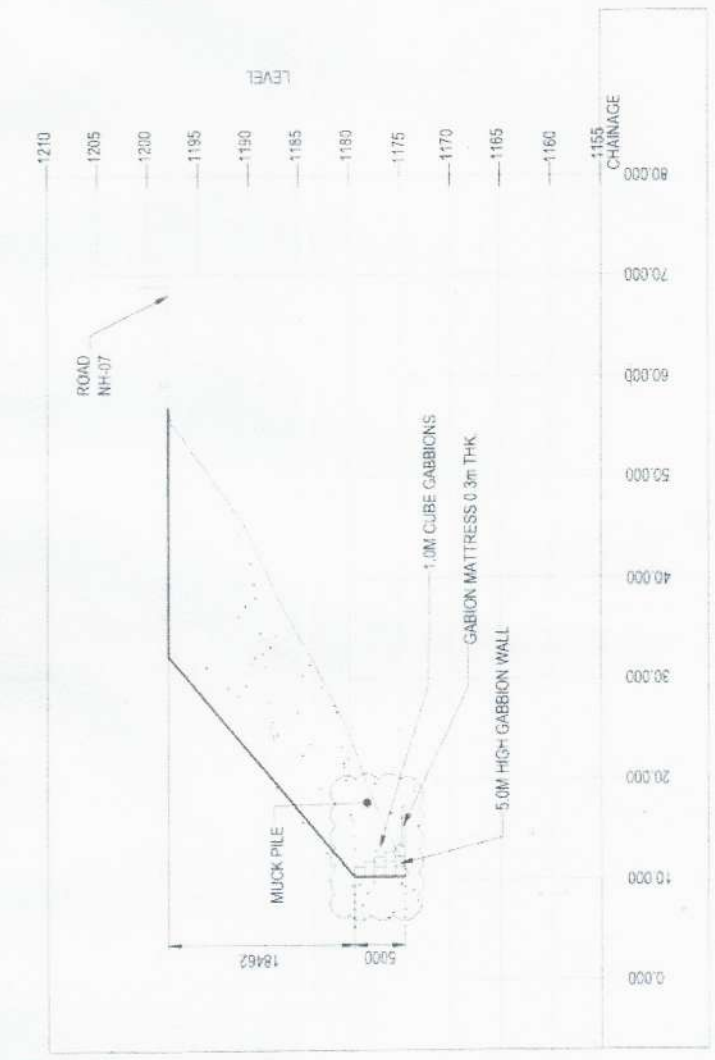
PROFILE 2-2
SCALE 1:750

 OWNER ENGINEERING National Highways & Infrastructure Development Corporation Ltd. (NHIDCL)	 DESIGN & PROJECT MANAGEMENT KGC GLOBAL CONSULTANTS PVT LTD 301 Kailash, Sector 14, Dwarka, New Delhi, Delhi 110075 www.kgcglobalconsultants.com	 EPC CONTRACTOR NKG INFRASTRUCTURE LTD.	 PROOF CONSULTANT M&M ENGINEERS PRIVATE LTD.	PROJECT CONSTRUCTION & UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDERS FROM KM 430.000 TO KM 468.000 OF CHAMOLI TO PAINI (EXCLUDING KM 437.625 TO KM 437.775, KM 458.900 TO KM 459.475 AND KM 464.425 TO KM 464.525) OF NH-07 UNDER CHARDHAM PARIYOJANA ON EPC BASIS IN THE STATE OF UTTARAKHAND (PKG-III)			
				TITLE MUCK DISPOSAL PLAN & SECTION AT CH 454+550 TO 454+628			
				DRAWN BY: AS	DESIGNED BY: SK	APPROVED BY: DK	SCALE: 1:200, 1:250
				DRG NO: C/P/ROAD/MD/008	REVISION R-0		

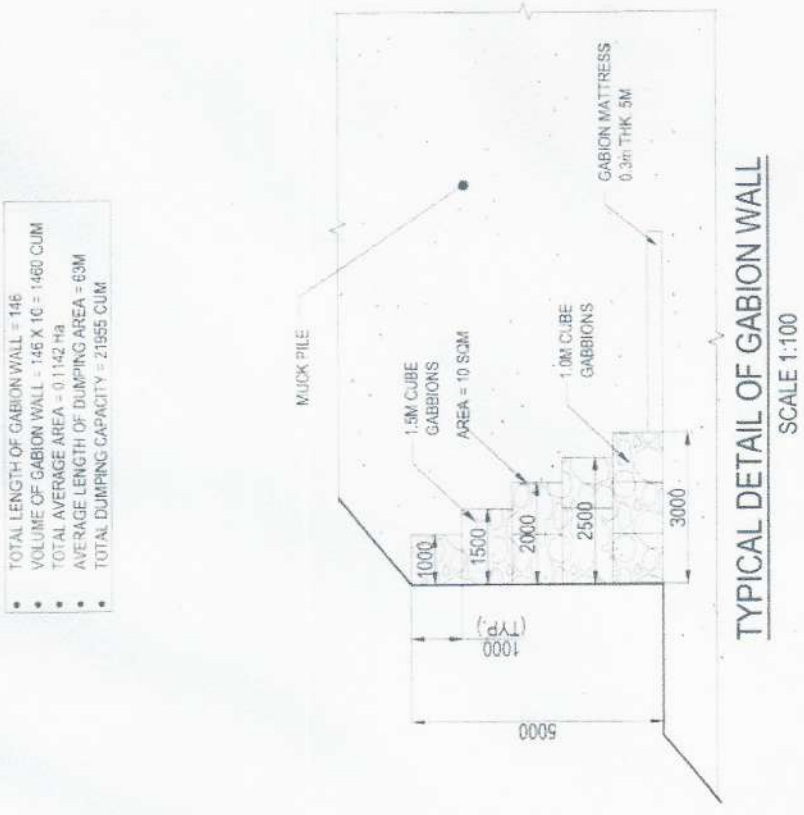
Graduate Engineer
 National Highway & Infrastructure Development Corporation Ltd.
 Chamoli, Rudrapurayag



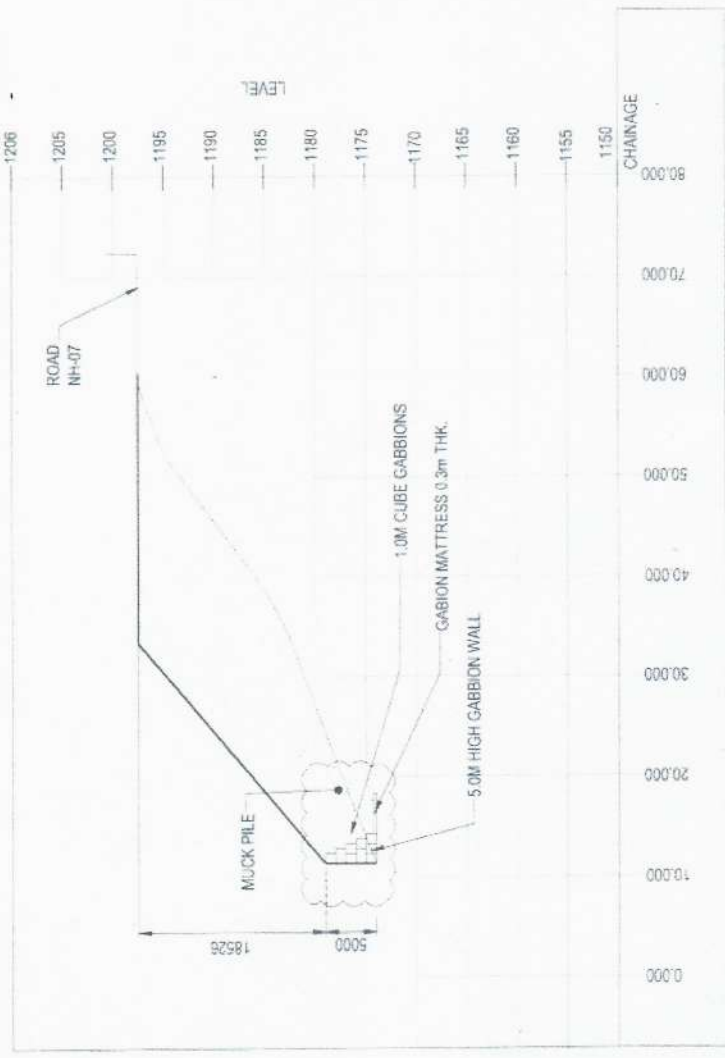
MUCK DISPOSAL AREA
AT CH. 455+100 TO 455+172
SCALE 1:750



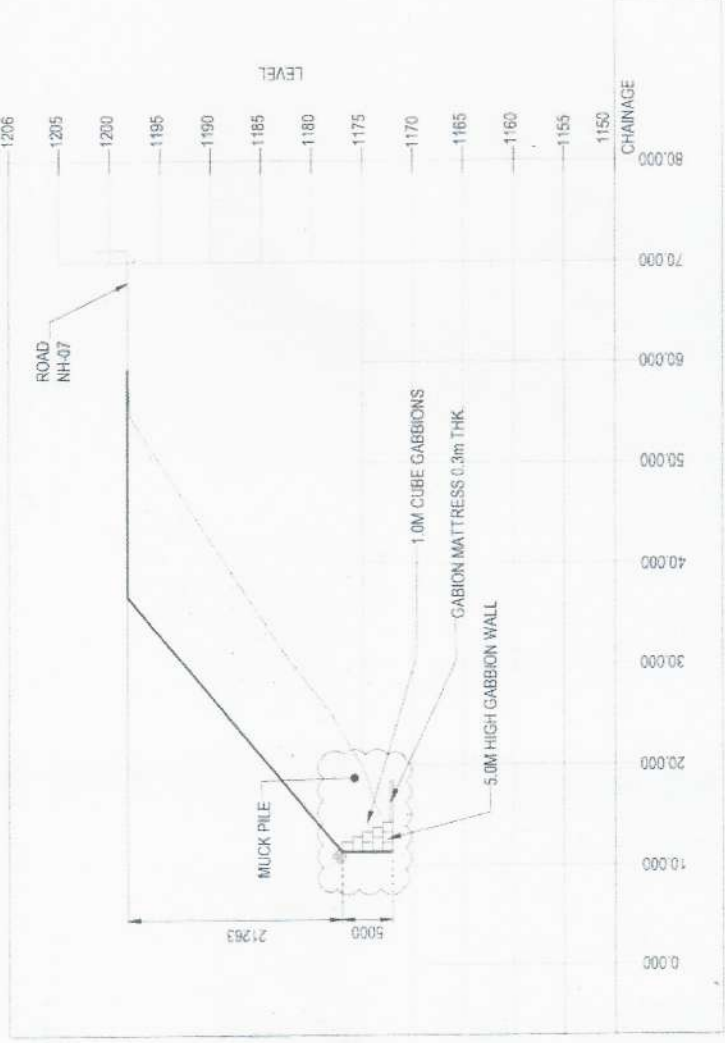
PROFILE 1-1
SCALE 1:500



TYPICAL DETAIL OF GABION WALL
SCALE 1:100



PROFILE 2-2
SCALE 1:500



PROFILE 3-3
SCALE 1:500



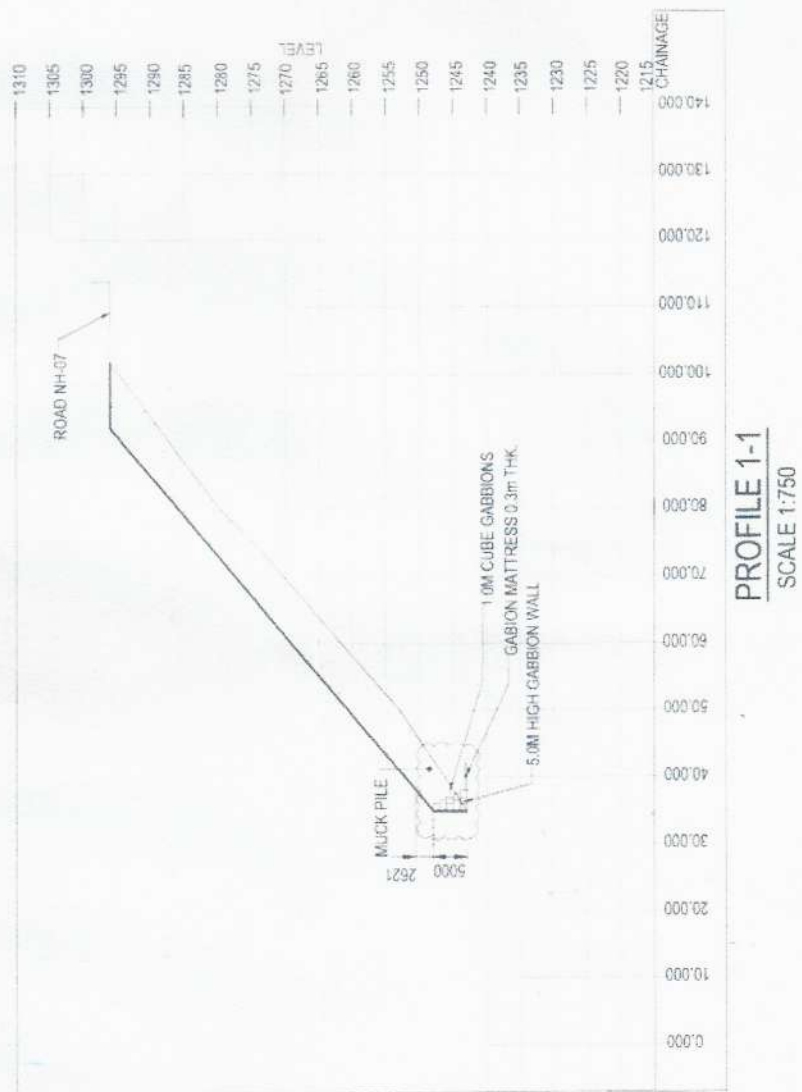
PROJECT:
CONSTRUCTION & UPGRADE OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDERS FROM KM 430.000 TO KM 468.000 OF CHAMOLI TO PAINI (EXCLUDING KM 437.625 TO KM 437.775, KM 458.900 TO KM 459.475 AND KM 464.425 TO KM 464.525) OF NH-07 UNDER CHARDHAM PARIYOJANA ON EPC BASIS IN THE STATE OF UTTARAKHAND (PKG-II)

REV	DATE	DESCRIPTION
1	200.1.250	REVISION R-0

DRAWN BY	AS	DESIGNED BY	SK	APPROVED BY	DK	DRG NO	CPIROAD/MD/009	SCALE	1:200, 1:250	REVISION	R-0	TITLE	MUCK DISPOSAL P. AT CH. 455+100 TO 455+172	OWNER ENGINEERING	National Highways & Infrastructure Development Corporation Ltd. (NHIDCL)	CHAMOLI / Rudrapurayag	Graduate Engineer. National Highway & Infrastructure Development Corporation Ltd.	AT CH. 455+100 TO 455+172	CHAMOLI / Rudrapurayag	FEB 2020
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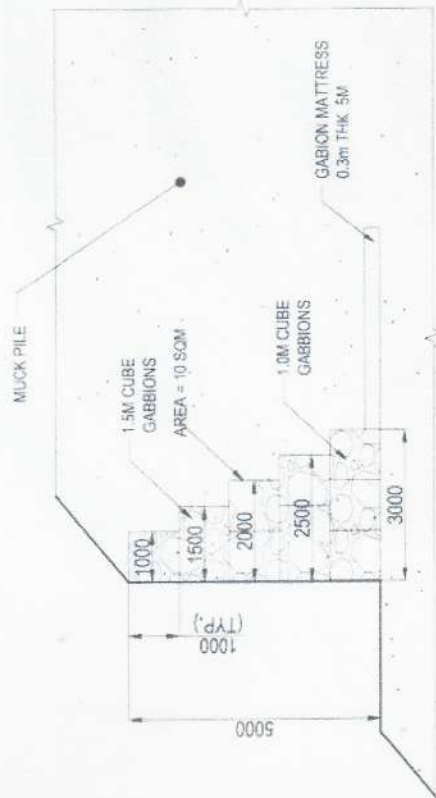


MUCK DISPOSAL AREA
AT CH. 458+800 TO 458+876
SCALE 1:750

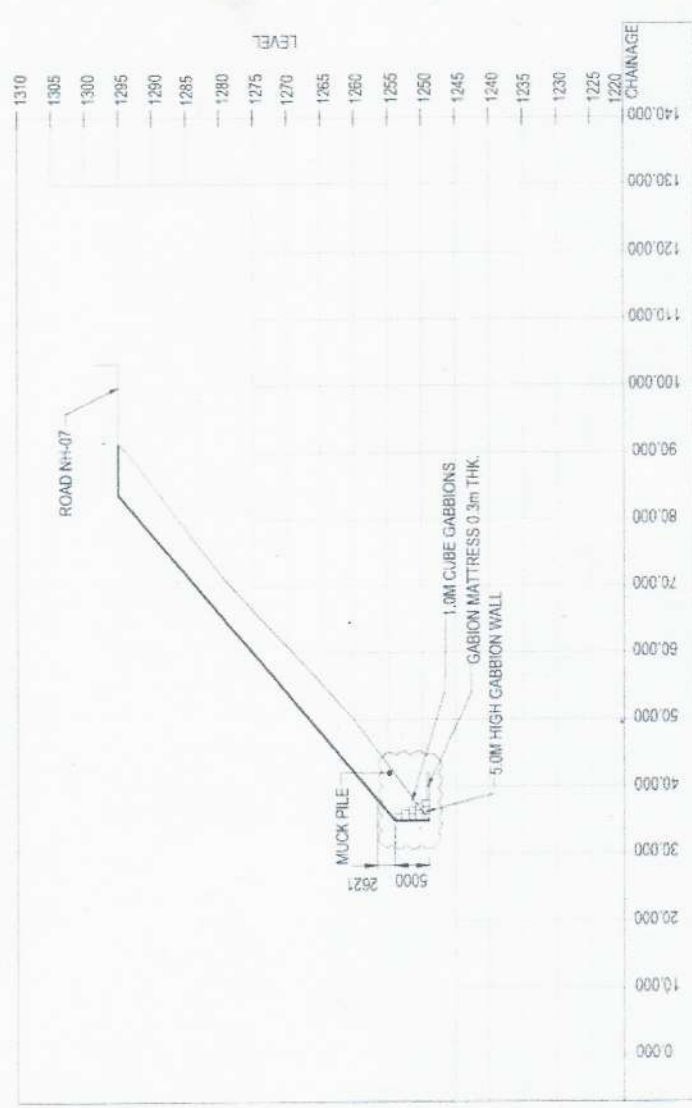


PROFILE 1-1
SCALE 1:750

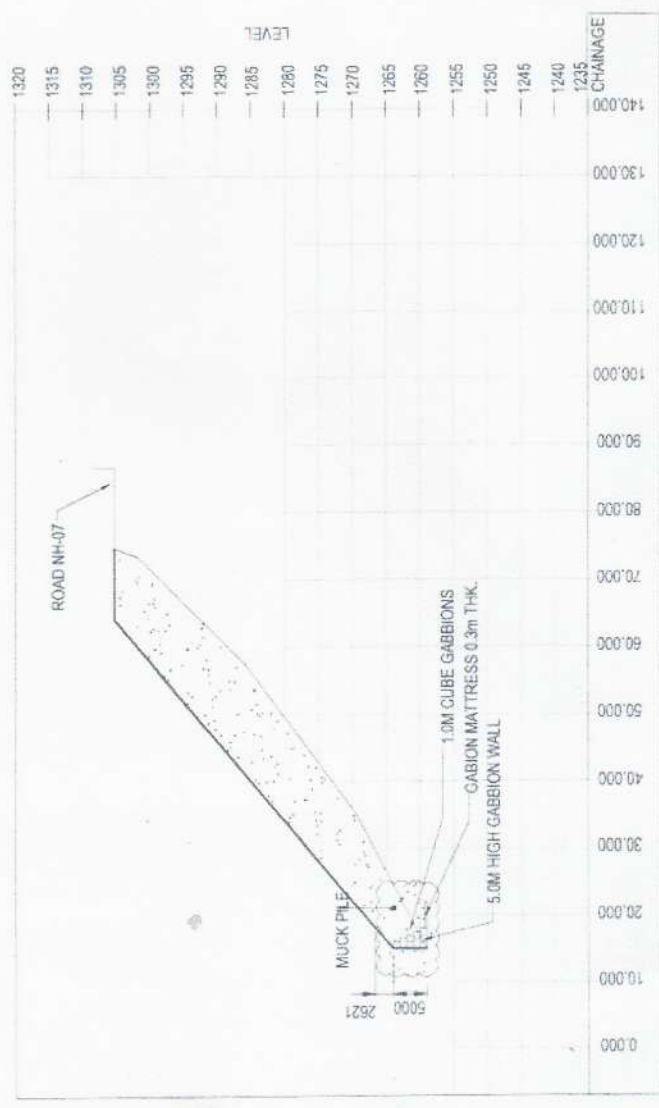
- TOTAL LENGTH OF GABION WALL = 182
- VOLUME OF GABION WALL = 182 X 10 = 1820 CUM
- TOTAL AVERAGE AREA = 0.1277 Ha
- AVERAGE LENGTH OF DUMPING AREA = 76M
- TOTAL DUMPING CAPACITY = 53985 CUM



TYPICAL DETAIL OF GABION WALL
SCALE 1:100



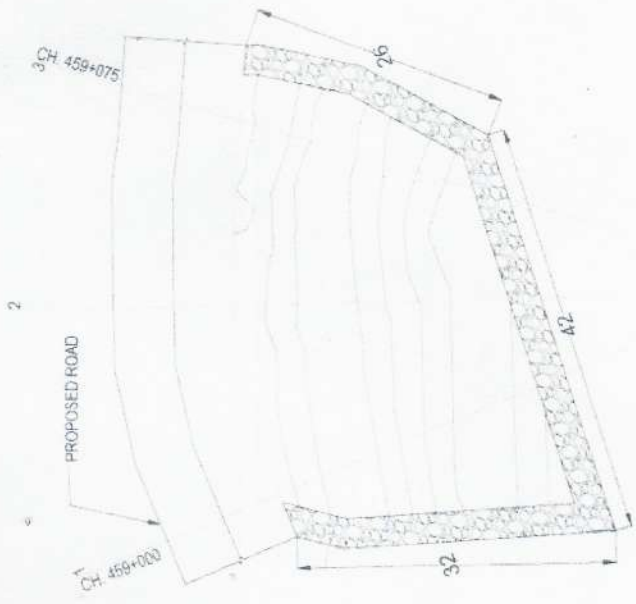
PROFILE 2-2
SCALE 1:750



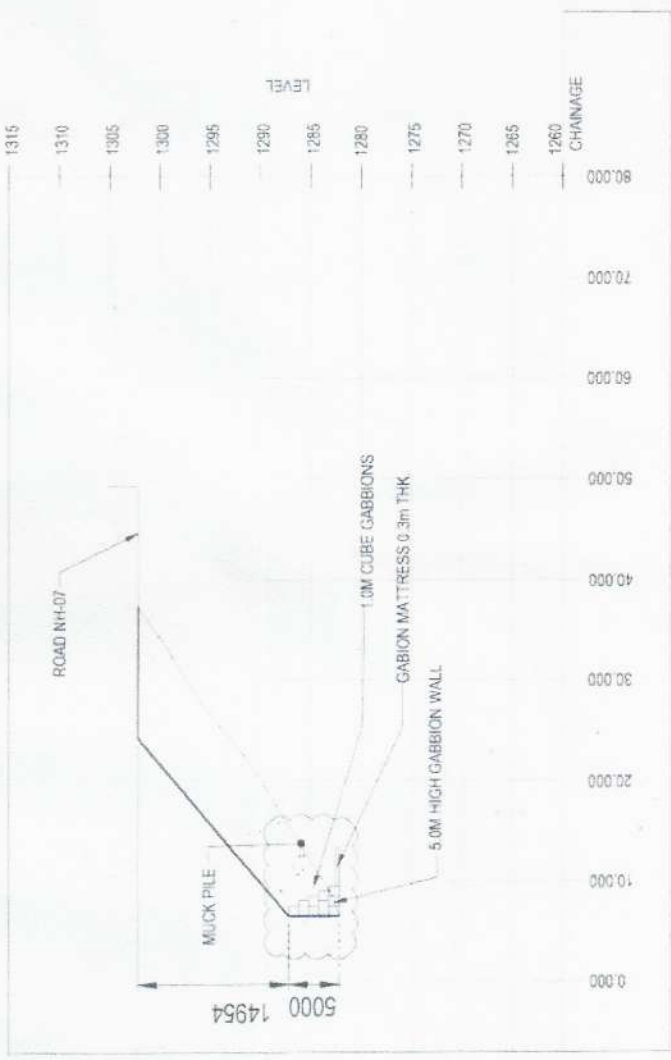
PROFILE 3-3
SCALE 1:750



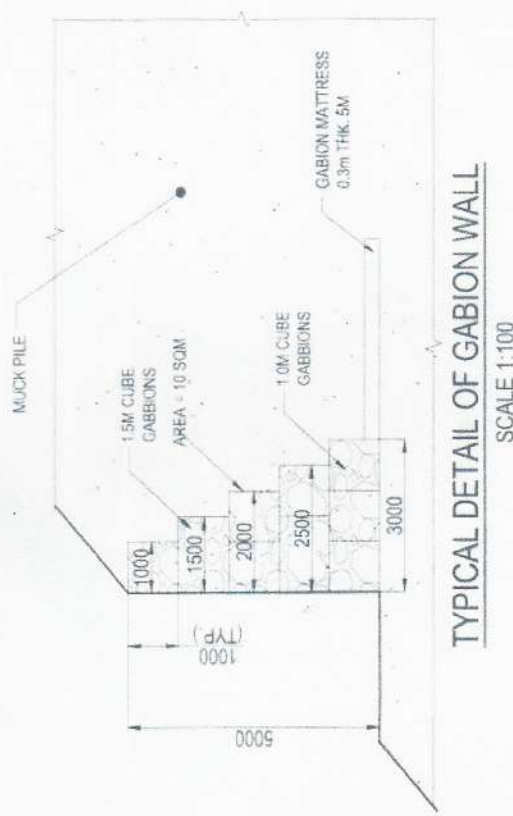
OWNER ENGINEERING National Highway & Infrastructure Development Corporation Ltd. (NHIDCL)	PROF CONSULTANT KOC GLOBAL CONSULTANTS PVT. LTD. 301 K-101, Sector 14, Dwarka, New Delhi, Delhi 110015 www.kocglobalconsultants.com	EPC CONTRACTOR NKG INFRASTRUCTURE LTD.	PROJECT CONSTRUCTION & UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDERS FROM KM 430.000 TO KM 468.000 OF CHAMOLI TO PAINI (EXCLUDING KM 437.625 TO KM 437.775, KM 458.900 TO KM 459.475 AND KM 464.425 TO KM 464.525) OF NH-07 UNDER CHARDHAM PARIYOJNA ON EPC BASIS IN THE STATE OF UTTARAKHAND (PKG-III)	TITLE : MUCK DISPOSAL AREA AT CH. 458+800 TO 458+876, Rudrapur	DRAWN BY : AS	DESIGNED BY : SK	APPROVED BY : DK	DRG. NO. : CPROAD/MD/010	REVISION R-0	SCALE : 1:200, 1:250	DATE	DESCRIPTION
				DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
				DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
				DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE



MUCK DISPOSAL AREA
AT CH. 459+000 TO 459+075
SCALE 1:500

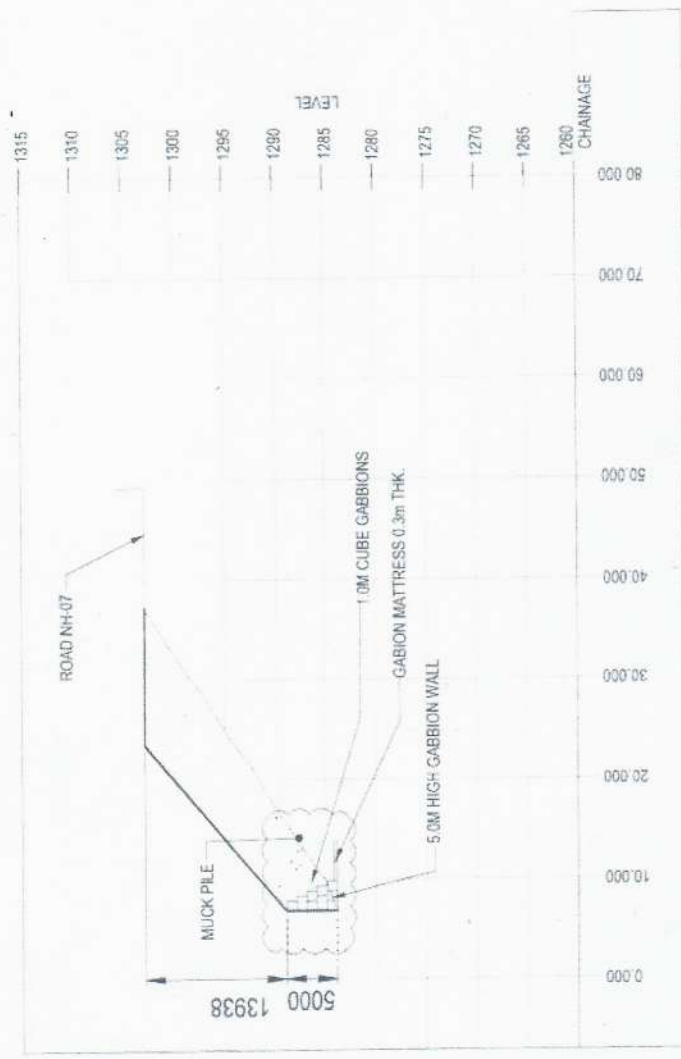


PROFILE 1-1
SCALE 1:500

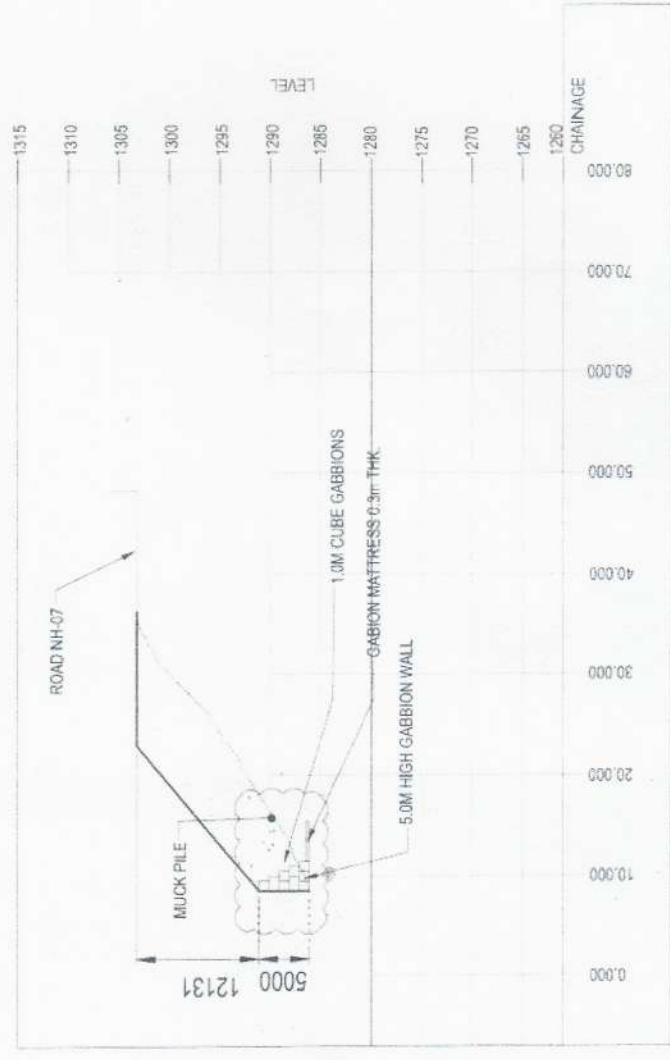


TYPICAL DETAIL OF GABBION WALL
SCALE 1:100

- TOTAL LENGTH OF GABBION WALL = 100
- VOLUME OF GABBION WALL = 100 X 10 = 1000 CUM
- TOTAL AVERAGE AREA = 0.7921 Ha
- AVERAGE LENGTH OF DUMPING AREA = 75M
- TOTAL DUMPING CAPACITY = 340539 CUM



PROFILE 2-2
SCALE 1:500



PROFILE 3-3
SCALE 1:500



OWNER ENGINEERING

NHIDCL

National Highways & Infrastructure Development Corporation Ltd. (NHIDCL)

SAFARI ENGINEERS PRIVATE LIMITED

SAFARI ENGINEERS PRIVATE LIMITED

DESIGN DIRECTOR

S. K. RAMESH

NKG INFRASTRUCTURE LTD

PROOF CONSULTANT

KOC GLOBAL CONSULTANTS PVT LTD

301, Kalyan, Sector 14, Gurgaon, New Delhi, India. Phone: 011-26107555 www.kocglobalconsultants.com

PROJECT

CONSTRUCTION & UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDERS FROM KM 430.000 TO KM 468.000 OF CHAMOLI TO PAINI (EXCLUDING KM 437.625 TO KM 437.775, KM 458.900 TO KM 459.475 AND KM 464.425 TO KM 464.525) OF NH-07 UNDER CHARDHAM PARIYOJANA ON EPC BASIS IN THE STATE OF UTTARAKHAND (PKG-III)

REV	DATE	DESCRIPTION

DRAWN BY: AS	DESIGNED BY: SK	APPROVED BY: DK	SCALE: 1:200, 1:250	REVISION: R-0
TITLE: MUCK DISPOSAL PLAN & SECTION AT CH 459+000 TO 459+075				
Graduate Engineer: National Highway & Infrastructure Development Corporation Ltd. Chamoli / Rudrapur				
DRG NO.: CPIOAD/MD/Development Corporation Ltd. Chamoli / Rudrapur				
DATE: FEB 2020				