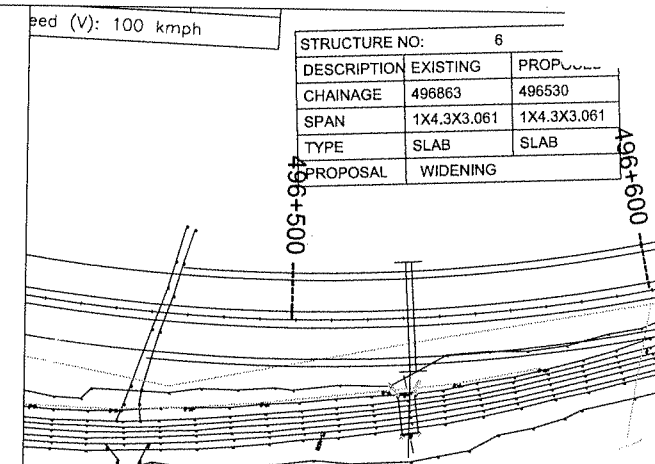
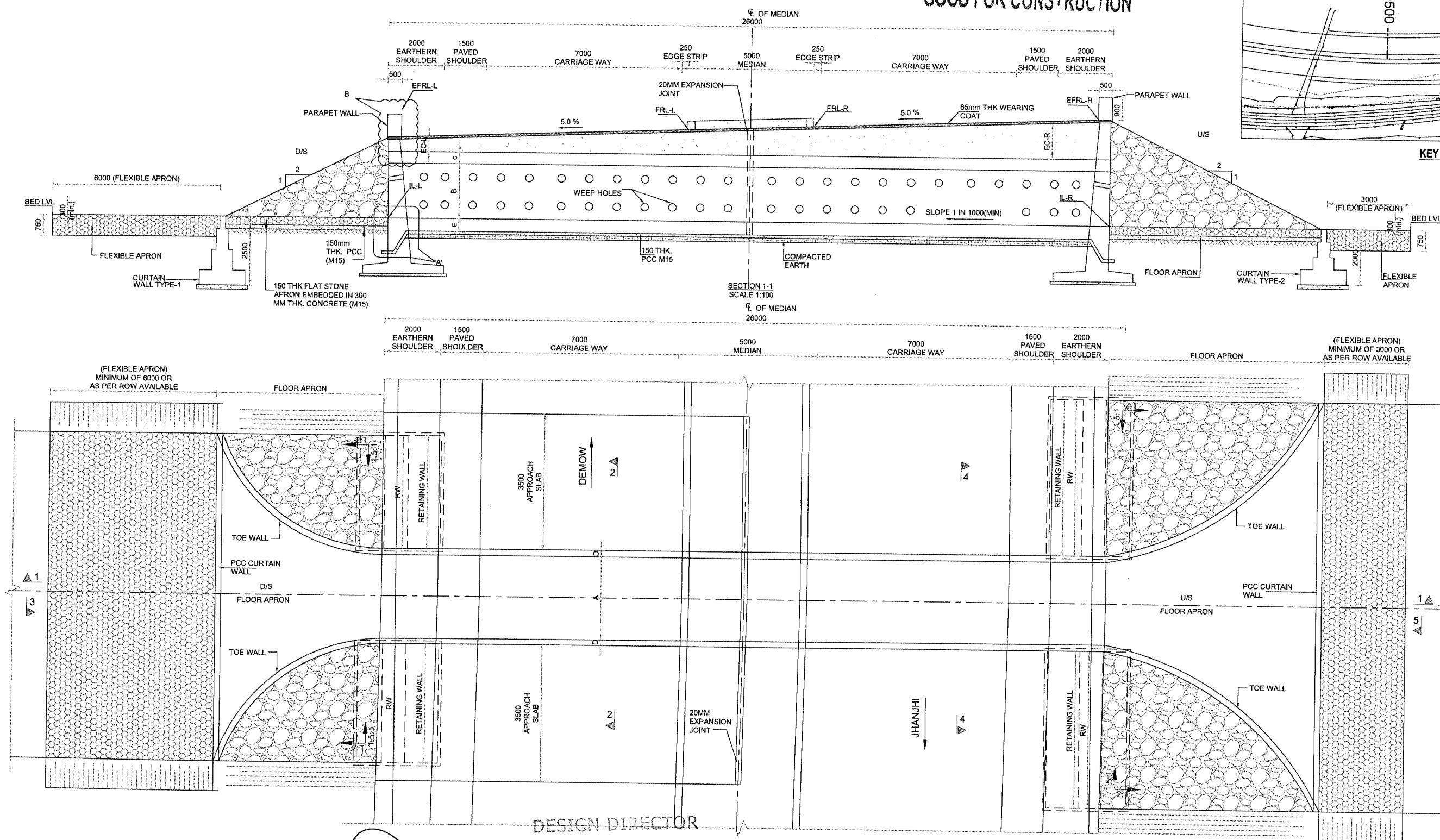


EXISTING CHAINAGE	DESIGN CHAINAGE	SPAN	FRL-L	FRL-R	EFRL-L	EFRL-R	EC-L	EC-R	IL-L	IL-R	CLEAR WIDTH (A)	CLEAR HEIGHT (B)	TOP SLAB THICKNESS (C)	WALL THICKNESS (D)	BOTTOM RAFT THICKNESS (E)	RW	FLOW DIRECTION
496+863	496+530	1X4.3X3.061	90.226	90.351	89.326	91.251	0.533	1.433	87.882	87.908	4.300	3.061	0.35	0.35	0.35	4.3	R-L

STRUCTURE NO:		6
DESCRIPTION	EXISTING	PROPOSED
CHAINAGE	496863	496530
SPAN	1X4.3X3.061	1X4.3X3.061
TYPE	SLAB	SLAB
PROPOSAL	WIDENING	



### KEY PLAN



PLAN  
SCALE 1:100

FOUR LANING OF JHANJHI TO DEMOW.  
SECTION OF NH-37 FROM EXISTING CH. Km  
491+050 TO Km 535+250 (DESIGN CH. Km  
493+800 TO Km 534+800) IN THE STATE OF  
ASSAM UNDER EPC MODE.

**National Highways infrastructure  
Development Corporation Ltd.**

Ministry of Road Transport &  
Highways, Government of India

Branch office : House No.1, Panipath,  
Ambikagiri Nagar , Zoo road,  
Guwahati-24

Garrison Dairies & Co. Ltd.  
87, 108, 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, 93

**DESIGN CONSULTANT**  
**PROFESSIONAL CIVIL INFRA PVT. LTD.**  
 # 1838, GROUND FLOOR,  
 SIR. M VISVESWARAYA LAYOUT  
 NAGADEVANAHALLI,  
 BANGALORE - 560 056

**PROOF CONSULTANT**  
CHETAN INNOVATECH  
CONSULTANTS (P) LTD.,  
7/11, 9TH FLOOR,  
13TH MAIN, SRINAGAL  
OFF. PES COLLEGE  
BENGALURU-560059

**SAFETY CONSULTANT**  
**SMART SAFETY SERVICES**  
# 3-6 & 7, HARI HARA NIVA  
GUMMAKONDA COLONY,  
HYDERGUDA,  
HYDERABAD - 500048

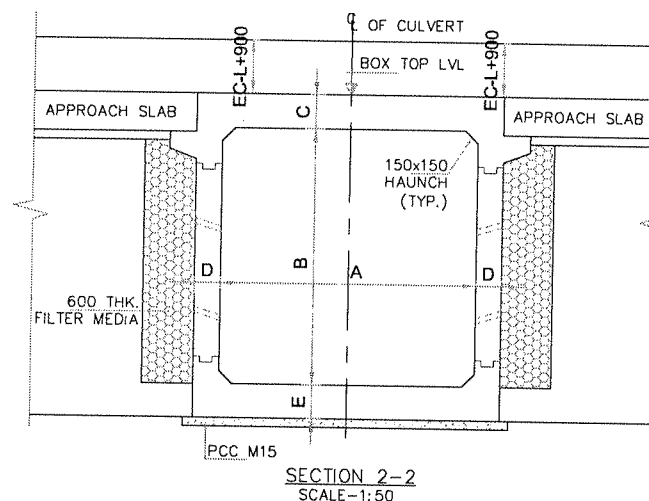
**AUTHORITY ENGINEER**  
**VOYANTS SOLUTIONS PVT. LTD.**  
403, 4th Floor, BPTP Park  
Central, Block 6, Jai Vihar  
Vihar, Sector 30

	NAME	SHEET SIZE
DESIGN DIRECTOR		A2
PROOF CONSULTANT		SCALE
SAFETY CONSULTANT		AS SHOWN
AUTHORITY CONSULTANT		SHEET No.
		01 OF 03

**TITLE:** GENERAL ARRANGEMENT DRAWING  
OF BOX CULVERT  
(RECONSTRUCTION) AT DESIGN CH  
496+530 (EXISTING CH 496+863 )

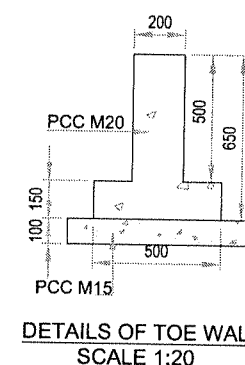
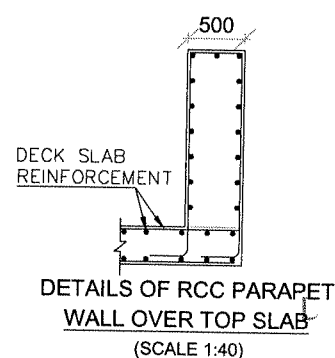
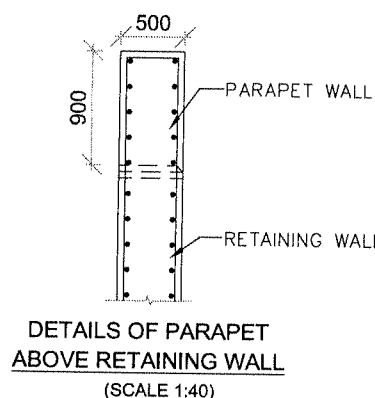
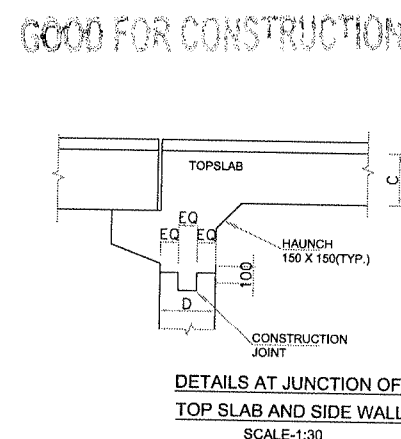
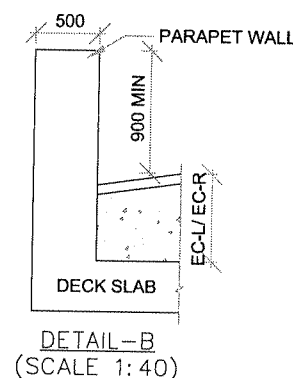
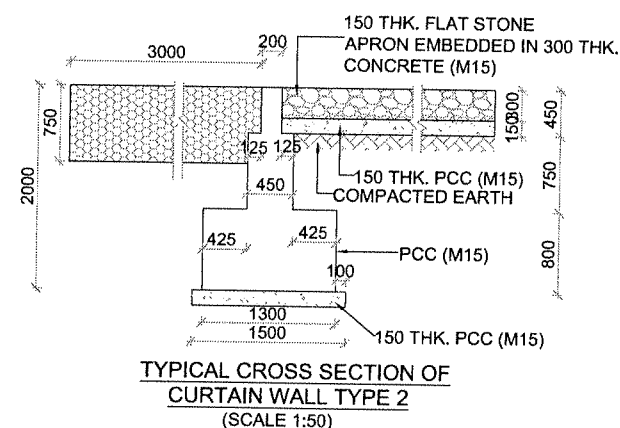
DRAWING No.	REV.
PCIPL/NH-37/J-D/STR/BC/01	00

FOR APPROVAL



NOTES:

01. ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METERS, UNLESS MENTIONED OTHERWISE .
02. DIMENSIONS ARE NOT TO BE SCALED, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
03. CONCRETE MIX SHALL BE DESIGN MIX AND SHALL HAVE MAXIMUM 28 DAYS CHARACTERISTIC CUBE STRENGTH AS FOLLOWS:
  - (i) BOX.....M30
  - (ii) PARAPET .....M40
  - (iii) RETURN WALL.....M30
  - (iv) LEVELING COURSE.....M15
  - (v) CURTAIN WALL .....M20
  - (vi) TOE WALL .....M20
  - (vii) GUARD STONE .....M20
04. GRADE OF UNTENSIONED STEEL SHALL BE Fe 500D, CONFORMING TO IS: 1786.
05. 600mm FILTER MEDIA SHALL BE PROVIDED BEHIND RCC BOX AND RETURN WALL.
06. THE BACK FILL MATERIAL BEHIND RCC BOX / RETAINING WALL SHALL HAVE FOLLOWING PROPERTIES  $\phi$  30°,  $\gamma=2.0$  T/Cum.
07. SEISMIC ZONE - V.
08. SAFE BEARING CAPACITY AT FOUNDING LEVEL IS  $12\text{u/m}^2$ . THE SAME SHALL BE VERIFIED AT SITE BEFORE STARTING OF WORK.
09. FLOW DIRECTION SHOWN IN THE PLAN IS INDICATIVE ONLY, BED PROTECTION FOR UPSTREAM AND DOWN STREAM SHALL BE BASED ON THE FLOW DIRECTION THE SITE.
10. FLEXIBLE APRON SHALL BE PROVIDED BASED ON SITE CONDITION & SHALL BE DECIDED BY ENGINEER-IN-CHARGE WHEREVER ROCK IS AVAILABLE AT TOP LEVEL FLEXIBLE APRON SHALL BE DISPENSED.
11. BACK FILLING SHALL BE DONE SIMULTANEOUSLY ON BOTH SIDE OF BOX.
12. DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT APPROVED HIGHWAY DRAWING FOR FRL, INVERT LEVEL, GL, CROSS SLOPE, LONGITUDINAL GRADIENT, ROAD WAY DETAILS ETC
13. PITCHING / REVETMENT ON SLOPES TO BE PROVIDED AS PER MORTH SPECIFICATION.
14. IF BC/CLAYEY SOIL ENCOUNTERED AS FOUNDING SOIL, THEN 900mm. DEPTH OF SOIL BELOW FOUNDATION TO BE REMOVED & FILLED BY METAL / BOULDERS WITH SAND AS PER SP-13.
15. THE CLEAR OPENING SIZE AND EARTH CUSHION MENTIONED SHALL BE VERIFIED WITH EXISTING STRUCTURE / APPROVED PPD AND IN CASE OF ANY DISCREPANCY. IT SHOULD BE IMMEDIATELY REPORTED FOR SUITABLE ACTION PRIOR TO COMMENCEMENT OF THE WORK.
16. SOFT AND LOOSE PATCHES IN THE BEARING AREA SHALL BE REPLACED BY COMPACTED GRANULAR FILLS AND SHALL BE PROPERLY COMPACTED WITH LAYERS NOT EXCEEDING 200mm BEFORE LAYING PCC OVER IT.
17. PCC LEVELLING COURSE:
  - BELOW BOX STRUCTURE & TOE WALL - 150 THK.
  - BELOW FLOOR APRON - 150 THK.
18. STRUCTURE HAS BEEN DESIGNED FOR
  - i) ONE LANE, TWO LANE AND THREE LANES OF CLASS A
  - ii) ONE LANE OF CLASS 70R + ONE LANE OF CLASS A
  - iii) ONE LANE OF 40R BOGIE + ONE LANE OF CLASS A.
19. CONSTRUCTION JOINTS:-
  - i) THE LOCATION AND PROVISION OF CONSTRUCTION JOINTS SHALL BE AS PER THE DRAWING AND THE SAME SHALL BE APPROVED BY THE ENGINEER-IN-CHARGE.
  - ii) THE CONCRETE SURFACE AT THE JOINT SHALL BE BRUSHED WITH A STIFF BRUSH AFTER CASTING WHILE THE CONCRETE IS STILL FRESH AND IT HAS ONLY SLIGHTLY HARDENED.
  - iii) BEFORE NEW CONCRETE IS POURED THE SURFACE OF OLD CONCRETE SHALL BE PREPARED AS UNDER:
    - (a) FOR HARDENED CONCRETE, THE SURFACE SHALL BE THOROUGHLY CLEANED TO REMOVE DEBRIS / LAITANCE & MADE ROUGH SO THAT  $\frac{1}{4}$  OF THE SIZE OF THE AGGREGATE IS EXPOSED
    - (b) FOR PARTIALLY HARDENED CONCRETE, THE SURFACE SHALL BE TREATED BY WIRE BRUSH FOLLOWED BY AN AIR JET
    - (c) THE OLD SURFACE SHALL BE SOAKED WITH WATER WITHOUT LEAVING PUDDLES IMMEDIATELY, BEFORE STARTING CONCRETING TO PREVENT THE ABSORPTION OF WATER FROM NEW CONCRETE
  - iv) NEW JOINT SHALL BE THOROUGHLY COMPACTED IN THE REGION OF THE JOINT
20. REFER TCS TYPE: TCS-1A



(REFER MISCELLANEOUS DRAWINGS)

VASANTH K. S. I.H.







PROPOSED SEQUENCE OF CONSTRUCTION:-

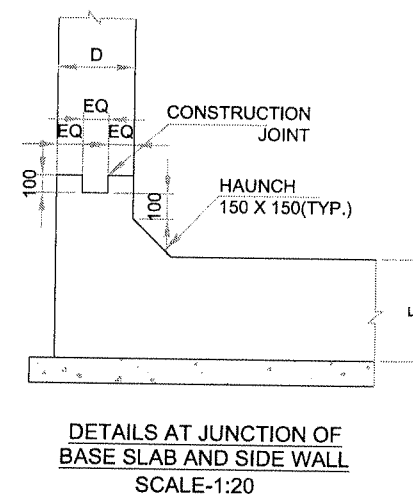
1. EARTH WORK EXCAVATION
2. CONFIRMATION OF FOUNDING LEVEL AS MENTIONED IN GFC DRAWING
3. LAYING OF PCC LEVELLING COURSE
4. CONSTRUCTION OF BOTTOM SLAB WITH A PORTION OF WEB
5. CONSTRUCTION OF WEB
6. CONSTRUCTION OF TOP SLAB WITH A PORTION OF TOP WEB
7. BACK FILLING BEHIND THE SIDE WALL
8. LAYING OF WEARING COAT
9. PLACING OF SIDL

LEGEND:

- IL - INVERT LEVEL
- EC - EARTH CUSHION
- FRL - FINISHED ROAD LEVEL
- EFRL - FINISHED ROAD LEVEL AT EDGE
- A - CLEAR WIDTH OF BOX
- B - CLEAR HEIGHT OF BOX
- C - TOP SLAB THICKNESS
- D - SIDE WALL THICKNESS
- E - BOTTOM RAFT THICKNESS
- RW - RETAINING WALL

REFERENCE DRAWINGS:	
DETAILS OF RCC BOX	PCIPL/NH-37/JD/BC/STR/REIN/01
MISCELLANEOUS DETAILS	PCIPL/NH-37/JD/STR/RCC-MIS/01
DETAILS OF RETAINING WALL	PCIPL/NH-37/JD/STR/RW/01

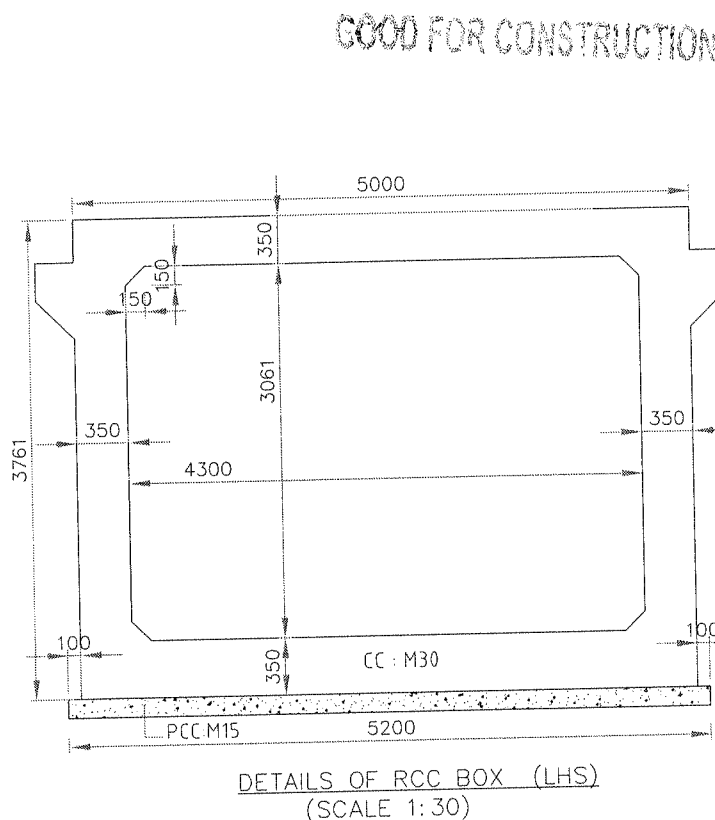
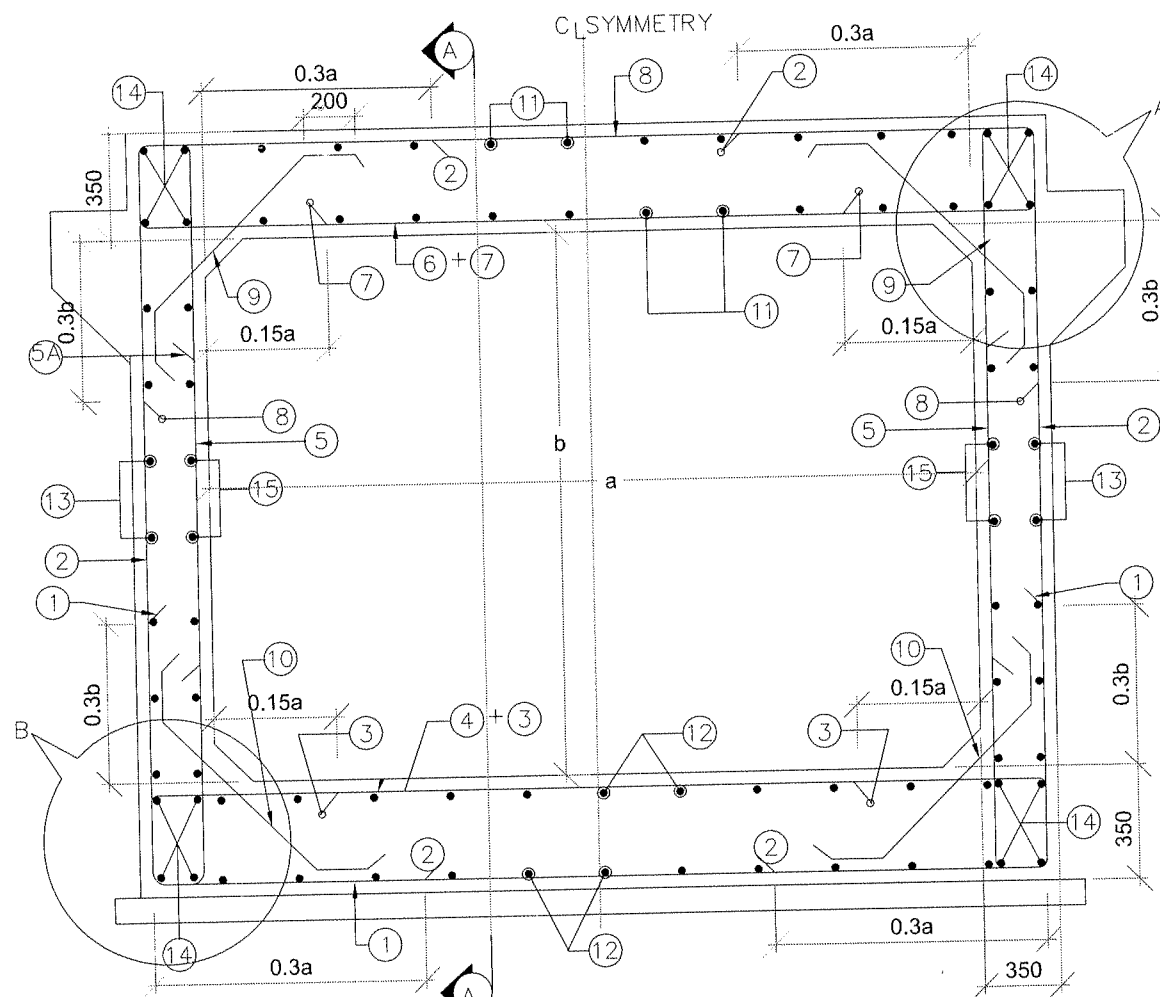
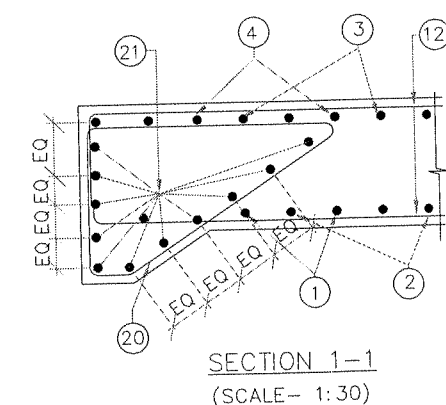
PROJECT		CLIENT	CONTRACTOR	DESIGN CONSULTANT	PROF. CONSULTANT	SAFETY CONSULTANT	AUTHORITY ENGINEER	RW - RETAINING WALL		20. REFER TCS TYPE: TCS-1A		FOR APPROVAL	
FOUR LANING OF JHANJHI TO DEMOW SECTION OF NH-37 FROM EXISTING CH. Km 491+050 TO Km 535+250 (DESIGN CH. Km 490+800 TO Km 534+800) IN THE STATE OF ASSAM UNDER EPC MODE.		 National Highways Infrastructure Development Corporation Ltd. Ministry of Road Transport & Highways, Government of India Branch office : House No.1, Panipath, Ambikagiri Nagar , Zoo road, Guwahati-24	 Ganion Dunkley & Co. Ltd. 86A TOSIA ROAD (SOUTH) HAUTE STREET , 7H FLOOR KOLKATA - 700048	 PROFESSIONAL CIVIL INFRA PVT. LTD. # 183B GROUND FLOOR, SIR M VISVESWARAYA LAYOUT, NAGADEVANAHALLI, BANGALORE - 560 056	 CHELTAN INFRA TECH CONSULTANTS (P) LTD. # 11, 1ST FLOOR, MATH MAIN SRINAGAR, OPP. PES COLLEGE, BENGALURU - 560 050	 SMART SAFETY SERVICES # 4-5-6 & 7, HARI HARA NIVAS, GOWANDA COLONY, HYDERABAD - 500048	 VOYANTS SOLUTIONS PVT. LTD. 402, 4th Floor, BPTP Park Centre, Block A, Jal Vayu Vihar, Sector 30, Gurgaon/Haryana 122001	DESIGN DIRECTOR	NAME	SHEET SIZE	TITLE: GENERAL ARRANGEMENT DRAWING OF BOX CULVERT (RECONSTRUCTION) AT DESIGN CH 496+530 (EXISTING CH 496+863 )		
								PROOF CONSULTANT		A2	DRAWING No.		
								SAFETY CONSULTANT		SCALE	REV.		
								AUTHORITY CONSULTANT		AS SHOWN	00		
										SHEET No.	PCIPL/NH-37/J-D/STR/BC/01		
										02 OF 03			



TITLE: GENERAL ARRANGEMENT DRAWING OF BOX CULVERT (RECONSTRUCTION) AT DESIGN CH 496+530 (EXISTING CH 496+863 )	
DRAWING No.  PCIPL/NH-37/J-D/STR/BC/01	REV.  00

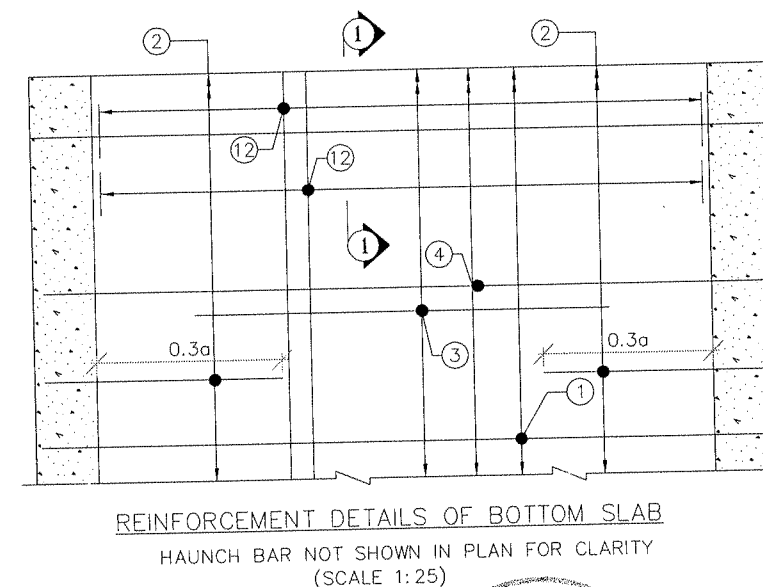
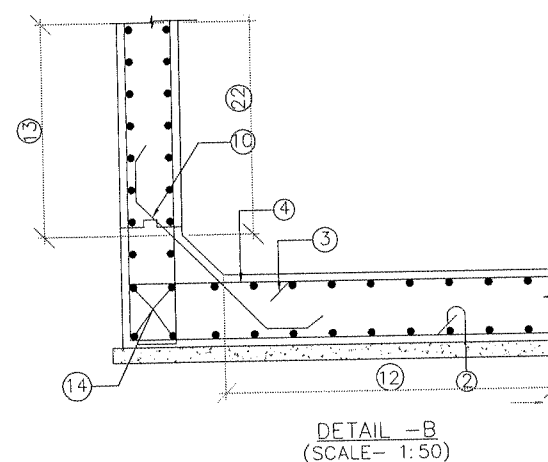
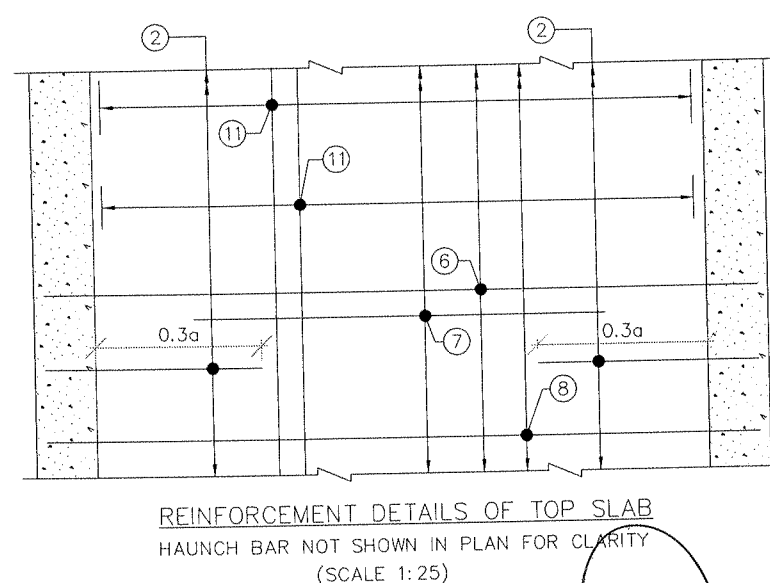
DESIGN CH: 496+530  
SCHEDULE OF REINFORCEMENT

BAR MARK	SHAPE OF BARS (NOT TO SCALE)	BAR DIA IN mm	SPACING OR NO. OF BAR
1		12	100 C/C
2		16	100 C/C
3		12	100 C/C
4		12	100 C/C
5		12	100 C/C
5A		12	175 C/C
6		12	100 C/C
7		12	100 C/C
8		12	100 C/C
9		12	200 C/C
10		12	200 C/C
11		12	200 C/C
12		12	200 C/C
13		12	200 C/C
14		10	16 NOS.
15		10	200
16		10	10 NOS.
17		10	250
18			NOT USED
19			NOT USED
20		10	150
21		10	20 NOS.



DESIGN DIRECTOR

VASANTH KUMAR T.H.



FOR APPROVAL

PROJECT FOUR LANE OF JHANJHI TO DEMOW SECTION OF NH-37 FROM EXISTING CH. Km 491+050 TO Km 535+250 (DESIGN CH. Km 490+800 TO Km 534+800) IN THE STATE OF ASSAM UNDER EPC MODE.	CLIENT National Highways Infrastructure Development Corporation Ltd. Ministry of Road Transport & Highways, Government of India Branch office : House No. 1, Panipath, Ambikagiri Nagar, Zoo road, Guwahati-24	CONTRACTOR Sankar Deka & Co. Ltd. 13TH MAIN, SRINAGAR, OPP. PES COLLEGE, BANGALORE-560 085	DESIGN CONSULTANT PROFESSIONAL INFRA PVT. LTD. 13TH MAIN, SRINAGAR, OPP. PES COLLEGE, BANGALORE-560 085	PROJECT CONSULTANT CHELSEA INFRA TECH CONSULTANTS (P) LTD., 7/11, 1ST FLOOR, 13TH MAIN, SRINAGAR, OPP. PES COLLEGE, BANGALORE-560 085	SAFETY CONSULTANT SMART SAFETY SERVICES #3-5-6 & 7, HARI HARA NIVAS GURUGRAM COLONY, INDYERGUDA, HYDERABAD - 500048 CRSA/2010	AUTHORITY ENGINEER VOYANT SOLUTIONS PVT. LTD. 403, 4th Floor, BPTP Park Centra, Block A, Jal Vayu Vihar, Sector 30, Gurgaon, Haryana 122001	DESIGN DIRECTOR NAME SHEET SIZE A2 SCALE AS SHOWN SAFETY CONSULTANT SHEET No. 01 OF 02 AUTHORITY CONSULTANT	TITLE: REINFORCEMENT DETAILS OF BOX CULVERT (1X4.3X3.061) AT DESIGN CHAINAGE 496+530 (EXISTING CHAINAGE 496+863) DRAWING No. PC/PL/NH-37/JD/BC/STR/REIN/01 REV. 00
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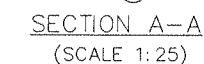
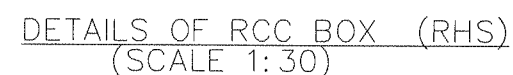




VASANTH KUMAR T.H.

**VASAN**







1. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METERS.
2. DIMENSIONS ARE NOT TO BE SCALED, ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
3. GRADE OF CONCRETE : M30 FOR BOX.
4. GRADE OF STEEL : Fe500.
5. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS.  
TOP SLAB = 75mm (TOP FACE); 50mm (BOTTOM FACE)  
BOTTOM SLAB = 50mm (TOP FACE); 75mm (BOTTOM FACE)  
OUTER WALL = 75mm (EARTH FACE); 50mm (WATER FACE).
6. ANCHORAGE LENGTH SHALL BE 40x BAR DIA ( $\phi$ )
7. LAP LENGTH OF THE STEEL SHALL BE PROVIDED AS BELOW.  
LAP LENGTH =  $K \times l$   
 $K = 1.00$  (<25% LAPPED BAR RELATIVE TO TOTAL CROSS SECTIONAL AREA.)  
 $K = 1.15$  (33% LAPPED BAR RELATIVE TO TOTAL CROSS SECTIONAL AREA.)  
 $K = 1.40$  (50% LAPPED BAR RELATIVE TO TOTAL CROSS SECTIONAL AREA.)  
ALTERNATIVELY BAR SPUCE COUPLER CAN BE USED FOR REBAR LAPPING AND SPLICING.
8. NOT MORE THAN 50% OF BARS CAN BE LAPPED AT A SECTION AND LAPS SHALL BE STAGGERED.
9. FOR DETAILS OF APPROACH SLAB, HAND RAILING RETAINING WALL, REFER SEPARATE MISCELLANEOUS DRAWINGS.
10. SBC OF SOIL BELOW THE BOX STRUCTURE SHALL NOT BE LESS THAN 12.0 T/Sq.m



3NOS.2 LEGGED  
10Ø STIRRUPS  
@400 MM C/C  
HORIZONTAL  
(NOT INCLUDED IN BAR  
BENDING SCHEDULE)



3 NOS. 2 LEGGED  
10 $\phi$  STIRRUPS  
@400 MM C/C  
HORIZONTAL  
(NOT INCLUDED IN BAR  
BENDING SCHEDULE)

PROJECT		CLIENT		CONTRACTOR		DESIGN CONSULTANT		PROOF CONSULTANT		SAFETY CONSULTANT		AUTHORITY ENGINEER		FOR APPROVAL	
FOUR LANING OF JHANJHI TO DEMOW SECTION OF NH-37 FROM EXISTING CH. Km 491+050 TO Km 535+250 (DESIGN CH. Km 490+800 TO Km 534+800) IN THE STATE OF ASSAM UNDER EPC MODE.		National Highways Infrastructure Development Corporation Ltd.  Ministry of Road Transport & Highways, Government of India Branch office : House No.1, Panipath, Ambikagiri Nagar , Zoo road, Guwahati-24		 Ganesh Dunderley & Co. Ltd. 88AS, PUSIA ROAD (SOUTH) HASTE STREET, 7TH FLOOR, KOLKATA-700046		 PROFESSIONAL INFRA PVT. LTD. 11/1, 1ST FLOOR, 13TH MAIN ROAD, AGAR, OPP.PPES COLLEGE, BENIGUATI-700050		 CHETAN INFRA-TECH CONSULTANTS (P) LTD. 11/1, 1ST FLOOR, 13TH MAIN ROAD, AGAR, OPP.PPES COLLEGE, BENIGUATI-700050		 SMART SAFETY SERVICES P-12, 24, HARI HARA NIVAS, PRADEEP, ANDA COLONY, CHENNAI-600048		 VOYANTS SOLUTIONS PVT. LTD. 493, 4th Floor, BPTP Park Centra, Block A, Jal Vayu Vihar, Sector 30, Gurgaon, Haryana 122001		TITLE: REINFORCEMENT DETAILS OF BOX CULVERT (1X4.3X3.061) AT DESIGN CHAINAGE 496+530 (EXISTING CHAINAGE 496+863)	
		DESIGN DIRECTOR		NAME		SHEET SIZE		DRAWING No.		REV.					
		PROOF CONSULTANT		SCALE		A2									
		SAFETY CONSULTANT		AS SHOWN											
		AUTHORITY CONSULTANT		SHEET No.		02 OF 02									