

NOTES:

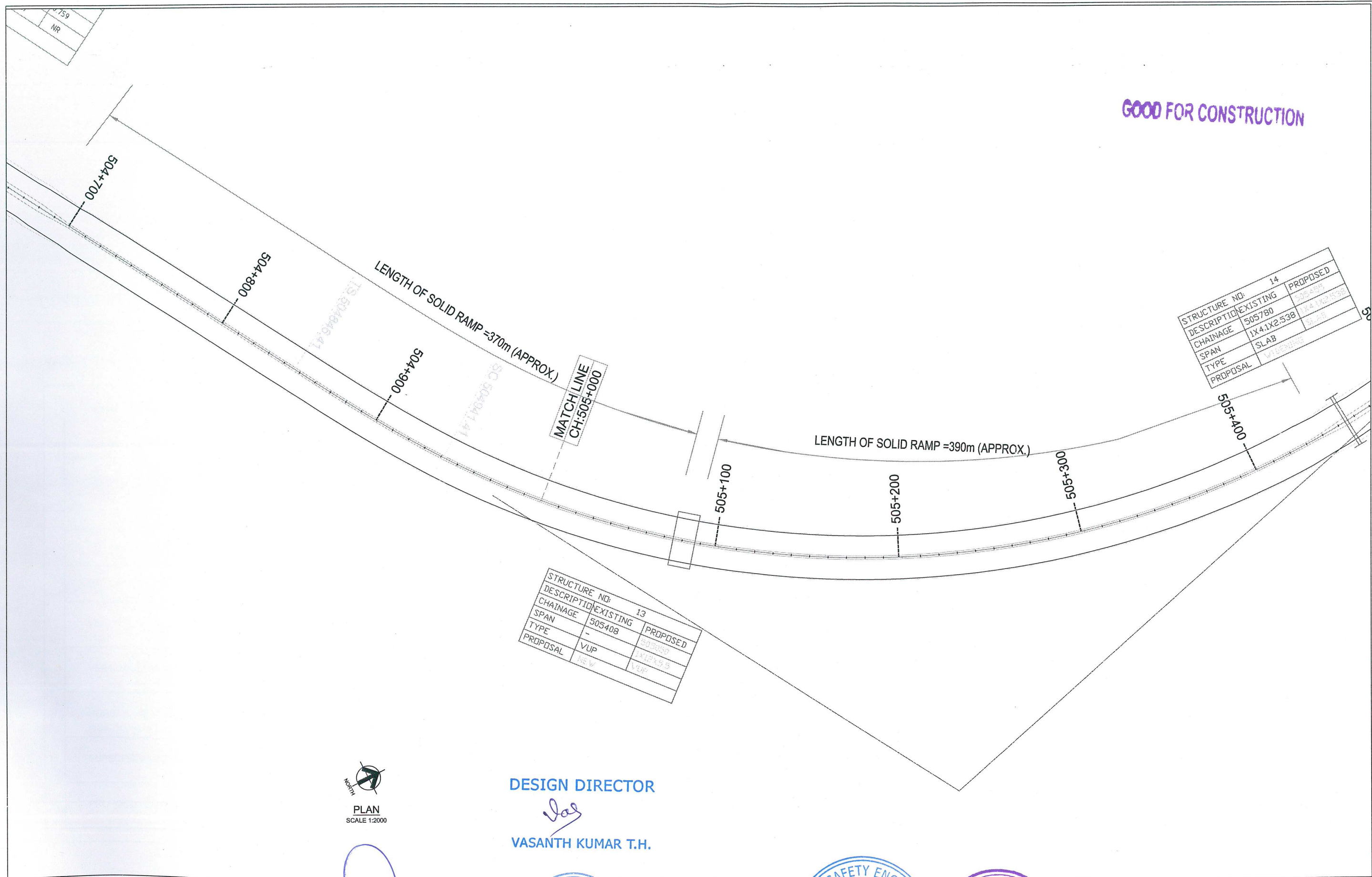
- ALL DIMENSIONS ARE IN mm AND LEVELS IN METRES, UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NO DIMENSION IS TO BE SCALED.
- PROPOSED STRUCTURES IS DESIGNED FOR IRC 70R LOADING OR CLASS A OR BOGGIE LOADING WHICHEVER GOVERNS.
- GRADE OF CONCRETE SHALL BE AS FOLLOWS:
 - FOR LEVELLING COURSE ----- M15
 - FOR BOX SUBSTRUCTURE ----- M30
 - FOR CRASH BARRIER ----- M40
 - FOR APPROACH SLAB ----- M30
 - FOR RCC DRAIN ----- M25
- CLEAR COVER TO OUTER MOST STEEL SHALL BE AS FOLLOWS.
 - FOR TOP SLAB TOP ----- 75 mm
 - FOR TOP SLAB BOTTOM ----- 50 mm
 - FOR BOTTOM SLAB TOP ----- 50 mm
 - FOR BOTTOM SLAB BOTTOM ----- 75 mm
 - FOR BOTTOM SLAB TOP/BOTTOM ----- 75mm
 - FOR SIDE WALL ----- 75mm
 - FOR MID WALL ----- 50mm
- HIGH YIELD STRENGTH DEFORMED BARS OF GRADE DESIGNATION Fe 500 CONFORMING TO IS:1786 SHALL ONLY BE USED.
- BACK FILLING BEHIND ABUTMENTS & OUTER WALLS SHALL CONSISTS OF SELECTED EARTH CONFORMING TO APPENDIX-6 OF IRC:78-2000 HAVING PROPERTIES OF $d=20'$ & $c=0$, $\phi=30'$, $\gamma=18 \text{ kN/m}^3$
- 600 mm THICK FILTER MEDIA SHALL BE PROVIDED BEHIND WALLS AS PER SECTION 2504 OF MORT&H SPECIFICATIONS.
- WEEP HOLES, OF 100 mm ϕ SPACED AT 1000 mm c/c BOTH HORIZONTALLY AND VERTICALLY SHALL BE PROVIDED IN A STAGGERED MANNER IN SIDE WALLS ABOVE 150 mm FROM LWL OR GL WHICHEVER IS HIGHER AS PER SECTION 2706 OF MORT&H SPECIFICATIONS.
- FILLER TYPE EXPANSION JOINTS OF PROVEN QUALITY SHALL BE PROVIDED IN TERMS OF MODIFIED INTERIM SPECIFICATIONS IN ANNEXURE-1 TO MORT&H CIRCULAR No. RW/NH-34059/1/96-S&R DATED 30.11.2000. THE MATERIAL SPECIFICATIONS OF THE FILLER JOINTS SHALL BE IN ACCORDANCE WITH SECTION 2605 OF MORT&H SPECIFICATIONS, FOURTH REVISION.
- REFER SEPARATE DETAILED REINFORCEMENT DRAWING FOR, APPROACH SLAB, RCC PARAPET & RETAINING WALL.
- EXPOSURE CONDITION - MODERATE EXPOSURE.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE RELEVANT PLAN AND PROFILE DRAWING OF ROAD.
- LONGITUDINAL SLOPE OF BOX SHALL BE MINIMUM 1:1000.
- SBC OF SOIL BELOW THE BOX STRUCTURE SHALL NOT BE LESS THAN 12 t/Sq.m.
- TYPICAL CROSS SECTION-7B.

REFERENCE DRAWINGS :

- REINFORCEMENT OF BOX TYPE VUP
PCIPL/NH-37/JD/VUP/STR/REIN/01
- FOR CRASH BARRIER, APPROACH SLAB, Etc.
PCIPL/NH-37/JD/STR/RCC-MIS/01
- PLAN AND PROFILE.
PCIPL/NH-37/JD/HW/P&P-16
- TYPICAL CROSS SECTION.
PCIPL/NH-37/JD/HW/TCS/004

FOR APPROVAL

<div>PROJECT</div> <div>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.</div>	<div>CLIENT</div> <div><div><div>National Highways infrastructure Development Corporation Ltd.</div><div><div></div><div>Ministry of Road Transport & Highways, Government of India Branch office : House No.1, Panipath, Ambikagiri Nagar, Zoo road, Guwahati-24</div></div></div></div>	<div>CONTRACTOR</div> <div><div><div></div><div>Cannon Dunkerley & Co. Ltd. 86A, TOPSIA ROAD (SOUTH) HAUTE STREET, 7th FLOOR KOLKATA - 700046</div></div></div>	<div>DESIGN CONSULTANT</div> <div><div><div></div><div>PROFESSIONAL CIVIL INFRA PVT. LTD. # 1838, GROUND FLOOR, SIR. M VISVESWARAYA LAYOUT, NAGADEVANAHALLI, BANGALORE - 560 056</div></div></div>	<div>PROOF CONSULTANT</div> <div><div><div></div><div>CHETAN INFRA-TECH CONSULTANTS (P) LTD., 7/11, 1ST FLOOR, 13TH MAIN, SRINAGAR, OPP. PES COLLEGE, BENGALURU - 560050</div></div></div>	<div>SAFETY CONSULTANT</div> <div><div><div></div><div>SMART SAFETY SERVICES, # 3-5-4 & 7, HARI HARA NIVAS, GUMMAKONDA COLONY, HYDERGUDA, HYDERABAD - 500048</div></div></div>	<div>AUTHORITY ENGINEER</div> <div><div><div></div><div>VOYANTS SOLUTIONS PVT. LTD. 403, 4th Floor, BPTP Park Centra, Block A, Jal Vayu Vihar, Sector 30, Gurgaon, Haryana 122001</div></div></div>	<table><tr><th>NAME</th><th>SHEET SIZE</th></tr><tr><td>DESIGN DIRECTOR</td><td>A2</td></tr><tr><td>PROOF CONSULTANT</td><td>SCALE</td></tr><tr><td>SAFETY CONSULTANT</td><td>AS SHOWN</td></tr><tr><td>AUTHORITY CONSULTANT</td><td>SHEET No.</td></tr><tr><td></td><td>01 OF 04</td></tr></table>	NAME	SHEET SIZE	DESIGN DIRECTOR	A2	PROOF CONSULTANT	SCALE	SAFETY CONSULTANT	AS SHOWN	AUTHORITY CONSULTANT	SHEET No.		01 OF 04	<table><tr><td colspan="2">TITLE: GENERAL ALIGNMENT DRAWING FOR VEHICULAR UNDERPASS @ CH:505+050 (EX CH: 505+408) - 1X12X5.5</td></tr><tr><td>DRAWING No.</td><td>REV.</td></tr><tr><td>PCIPL/NH-37/JD/VUP/STR/GAD/03</td><td>00</td></tr></table>	TITLE: GENERAL ALIGNMENT DRAWING FOR VEHICULAR UNDERPASS @ CH:505+050 (EX CH: 505+408) - 1X12X5.5		DRAWING No.	REV.	PCIPL/NH-37/JD/VUP/STR/GAD/03	00
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PROJECT
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.

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
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HAUTE STREET, 7th FLOOR
KOLKATA - 700048

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DPP RES. COLLEGE,
BENGALURU - 560000

SAFETY CONSULTANT
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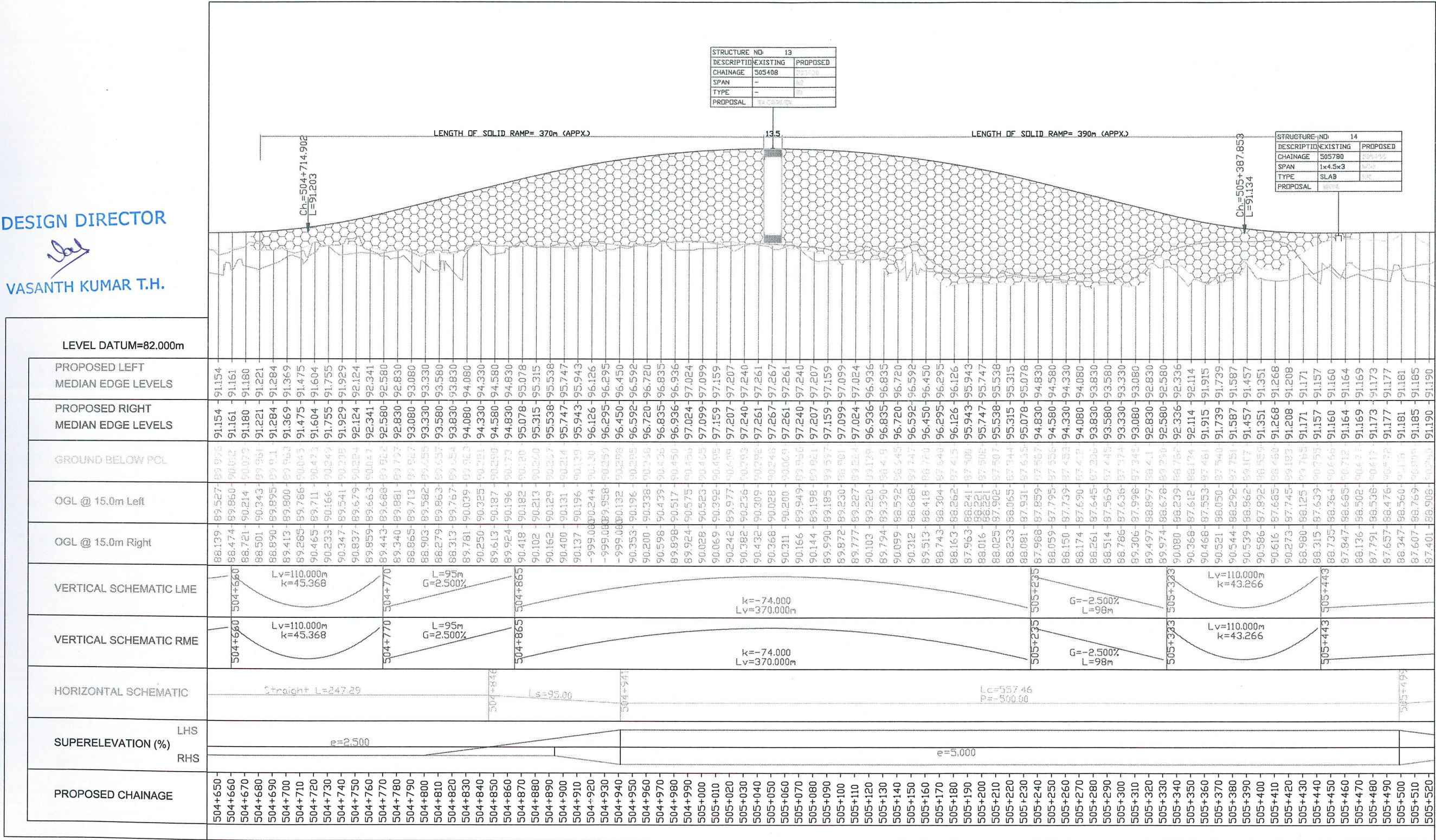
TITLE:
PLAN OF RE WALL SECTION FOR
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(EX CH: 505+408)

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FOR APPROVAL

GOOD FOR CONSTRUCTION

DESIGN DIRECTOR
VASANTH KUMAR T.H.



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BENGALURU - 560050

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DESIGN DIRECTOR
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AUTHORITY CONSULTANT

FOR APPROVAL
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