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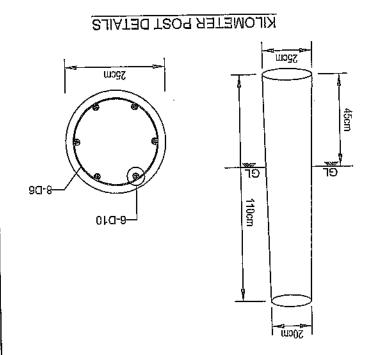
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VIDE MEMO NO-BW-18-086 DATED 10-08-16 OF THE CONSULTANTS OF THIS PROJECT.

- 27. COMPACTION OF EARTH IN THE EMBANKMENT HAS BEEN CONSIDERED AS 85% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT (IN NOTE NO-8)
 - 36. SUBMERSIBLE BLOCK ROAD SECTION SHALL BE CONSTRUCTED AS PER FIELD REQUIREMENT, BUT WITHIN DPP PROVISION. FEBRUARY AND SHALL BE OPEN AFTER MAY 15TH IN EVERY YEAR.
 - 25. EXISTING BRIDGE / CULVERT ON THE ALICHMENT OF EMBANKMENT SHALL BE CLOSED UPTO DESIGN CREST LEVEL DURING THE MONTH OF JANUARY! 24. STRUCTURE SHALL BE PROVIDED ON FLOWING OR NON FLOWING CHANNEL UNLESS IT IS DESIGNED AS CLOSURE.

 - 33 CREST WIDTH OF EMBANKMENT IS KEPT AS 4.30 m AS THE EMBANKMENT ARE PLANNED TO BE USED AS ROAD BY THE PEOPLE WITH SIDE SLOPE OF 1.3 ON
 - 32. BM/TBM PILLAR ESTABLISHED BY IWM (AS SHOWN HERE) SHALL BE USED AS REFERENCE FOR SURVEY AND IMPLEMENTATION WORK.
 - 21. ANY ERROR / OMISSION, IF DETECTED SHALL BE REFERRED TO THE DESIGN CIRCLE -1 FOR TAKING NECESSARY ACTION THROUGH CONSULTANT.
 - 30. THE WORK SHALL BE EXECUTED AFTER ADMINISTRATIVE AND FINANCIAL APPROVAL FROM THE COMPETENT ADMINISTRATIVE
 - 19. KILOMETER POST SHALL BE ESTABLISHED ALONG THE EMBANKMENT.
 - DHOLKALMI MAY BE PLANTED AS PER ITEM CODE NO. 48-130 ALONG THE TOE OF EMBANKMENT.
 - 17 EARTHWORK SHALL BE COMPLETED BY FEBRUARY FOR EFFECTIVENESS OF WORK
- 16. BM PILLAR ESTABLISHED BY IWM AND AS MENTIONED IN THIS DRAWING SHALL BE USED AS A REFERENCE FOR CONSTRUCTION OF EMBANKMENT (ITEM CODE
 - 15. NO EXCAVATION SHALL BE MADE WITHIN 50m FROM THE C/S TOE OF THE EMBAUKMENT.
 - SHALL BE LEFT ALONG THE BORROW PIT AT MORE OR LESS 30 m APART.
- 14. THE BORROW PIT SHALL NOT BE EXCAVATED CONTINUOUSLY ALONG THE EMBANKMENT LINE. CROSS BERM OF 5 m WIDTH AT TOP WITH REQUIRED SLOPES
 - 13 SHBINKAGE AS PER SCHEDULE SHALL BE CONSIDERED SO THAT FINAL CREST LEVEL REMAINS AT DESIGN LEVEL AFTER SHRINKAGE.
 - 12. c=10.00 kn/m² & \$ =10° SHALL BE ATTAIN FOR COMPLETED EMBANKMENT.
- 11. BOTH SIDE SLOPES AND CREST OF THE EMBRAKMENT SHALL BE FINALLY DRESSED AND CLOSELY TURFED TO RETAIN EARTH FROM BEING WASHED UP BY
- 10. EARTH SHALL NOT BE REMOVED FROM THE CREST OF THE EMBANKMENT WHERE THE EXISTING CREST LEVEL IS HIGHER THAN THE DESIGN CREST LEVEL
 - 9. 160 mm CAMBERING ATTHE CENTER OF THE OF EMBANKMENT SHALL BE PROVIDED.
 - PROVIDED IN 8WDB SCHEDULE IN ALL KINDS OF SOILS AS PER DIRECTION OF ENGINEER IN CHARGE.
- 85% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT WITH REFERENCE TO LABORATORY DENSITY TEST ASSUMDIFIED HAMMER AS 8. NEW EARTH FILL SHALL BE PLACED LAYER BY LAYER IN 230 mm THICKNESS AND EARTH SHALL THOROUGHLY BE COMPACTED MECHANICALLY TO ATTAIN
 - EMBANKMENT MATERIALS SHALL BE CLAYEY SOIL (MINIMUM 30% CLAY, 0-40% SILT, 0-30% SAND).
 - EMBANKMENT CONSTRUCTION.
 - 6. THE EARTH BORROWED FOR CONSTRUCTION OF EMBANKMENT MUST BE FREE FROM GRASS & VEGETATION ETC. PEAT SOIL SHALL, NOT BE USED IN OTHER FOREIGN MATERIALS MUST BE REMOVED PROPERLY.
- GROUND, STRIPPING/PLOUGHING WHERE REQUIRED SHALL BE DONE PROPERLY BEFORE PLACING THE NEW FILLING SOIL ALL SORTS OF ORGANIC AND BEFORE RE-SECTIONING OF THE EMBANKMENT, BENCHING THE SIDE SLOPES, REMOVING ROOTS AND STUMPS OF TREES OF CIRTH UPTO 200 mm FROM THE
- DEVELOPE STRONG BONDAGE BETWEEN THE BASE IMPATERIALS AND BORROWED EARTH FOR EMBANKMENT.
- BASE OF THE EMBANKMENT SHALL BE STRIPPED OF NOT LESS THAN 150 mm TO REMOVE VEGETATION, SLUSHY EARTH AND OTHER SOFT MATERIALS TO ALL DIMENSIONS ARE IN MILLIMETER 8, ALL ELEVATIONS ARE IN METER PWD UNLESS OTHERWISE MENTIONED IN THE DRAWING.
 - 1 IN 10 YEAR PRE-MONSOON FLOOD UPTO 15TH MAY HAS BEEN CONSIDERED FOR DESIGN OF EMBANKMENT CREST LEVEL.
 - SURVEY DATA FOR THIS DRAWING HAS BEEN CONDUCTED BY IMM.

CENERAL NOTES:



SUBMERSIBLE EMBANKMENT AROUND DAKHSHINER HAOR of Haor Flood Management and Livelihood Improvement Project (BWDB Part) Consultancy Services for Management, Design, Supervision and other Related Services BANGLADESH WATER DEVELOPMENT BOARD

Features Considered along the Proposed Project Boundary

The project boundary is fixed with zero reference at existing 3 vent regulator (Abandoned) over Shankir Khal following high ridge of river bank, homesteads (wherever available) and roads keeping appropriate set back distance from bank of river. The sub-project is encircled by Kalni River, Bantai River, Uara Khal and Cherapur Khal. Fifty meter set back distance is followed for small river/khals, and that of 150-200 meter has been considered from big rivers. The internal khals that are not connected with peripheral rivers have not been considered as incoming flood or drainage route. The bridges/culverts and khals over the boundary as drainage or flood incoming route have been considered in the planning process.

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Remarks (incoming/ dramage)	Sill/bed level, TWPMD		шх	ı uı 'əzis	ot livert/khal	Type bridge/cu	Location, km (in meterage)

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Dist: Habigani	6669	88160/	372068 2	10-N - d1MWl	7
IWM TBM N-04 on the top of RCC Piller at Kamalpur UP:Katkhal. Upaxla: Mithanaln. Dist: Klahorgang.	8.708	660802	314718	IWMTBM N-04	ε
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sinice gats VIII: Kolsor UP: Katkhal, Upazila: Mithamain. Dist: Kishorgang	6,202	ZTT ZOZ	37 44 23 S	20-M - 9T MWI	7
INVATEM N-01 engraved on the 1st steep of Koisor Govt. Primary School VIII:		.]		
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IWM TBM Piller -03, Vill: Kolsor, P.S.: Mithemain, Dist: Kishorgang.	8797			80-19119 MBT MWI	9
IWM TBM PILLer-Q2, VIII: Murahidput, P.S.: Mithamain. Dist: Klehorgang. IYMM TP AL-02 on top of Iron khutl at Murahidput P.S. Mithamain. Dist:	T58¥	STT90/7	212703	SO-nejlig MBT MWJ	L
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merghed) to got ant nO	3,923		310351	Bad 2T 9T	10
IWM TBM N-06 (AL-01) Engraved on the railing base N/W corner at Charigram Bazer two vent Box Culvert Vill : Charigram. Union:Dhkl. Upzila:Mthamain.					
Dist: Klahorgang.	S768	9002072	TE960E	IMMILBW 16-06	TT
IWMTBM N-07 (15 peg E 10)Engraved on N/E corner top of boundary wall					
Graveyeard at vill Kolahan Union: Dhaki P.S. Mithamain: Dlat: Klahorgang. MM TBM N-08 engraved on the S/W corner of Marefatul Ulumatul Madrasha	6251	OET90/2	300602	IWMTBM N-07	75
Kolehani Goblindoput Union: Dhaki P,S. Mithamain .Dist: Kishorgang.	99 1 ,7	₽ ₽990∠7	308365	80-N M8TMWI	13
1WMTRM N-09 (75 peg E 14)Engraved ontop of baundari wall at Gobindopur					
Bazer Union: Dhaki P.S. Mithamain. Dist: Kishorgang. TBM no N-10 on the top rcc piller land woner Mr.Zahid Mah Vill: Chokosor UP:	S6Z'S	05890/2	308230	60-MM8TMWI	bΙ
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TBM N-11 (75 Sohel) Engraved on top of BADC pacca drain at Atpasha UP:Dhaki PS:\Afternain Dist: Kishongang.	oco V	0556021	1-20-2-C	SA 14 SATTINALES	
Held N. 12 (Azim) Engraved on top of BADC paces Water tank at Atpasha High	805°b	09980/7	Pataus	IWMTEM N-11	91
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TBM N-33 (AL-10) on the top of recipiller near Noyanogor Nutani Hafezi	3 00 9	- POPEL!	300200	P. 114 3 Mary 67 2 71	
madraca UP: Elonglud PS, itna, Dist: Klshorgang. TBM N-14 (AL-11) on the top of rec piller near Noyanogor Govt. Praimary	960'9	<u> </u>	967/09	IAAWLBW W-13	18
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IMM TBM N-15 engraved on the 1st step of Noyanagor Voyra Birkul Janata	!				
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Primary School, Itna, Kishorgang.	₹ 75°9	211112	ZT980E	IWM TBM N-16	7.7
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IWM TBM N-18 on the top of rcc piller at Vill: Vikrul . PS. Itna, Olst: Kishorgang.		ZZ\$TT4Z			77
IWM TBM N-19 Engraved on the Place at Koronahi Govt. Primary School Back	0002	771777	OCOUTE	(WMTBM N-18	52
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(WMTBM N-24 on the top of rcc piller at Vill : Mudirgaon,PS1 tma, Dist:	209.4) SZTT69C	5071/TE	4S-VI MATIMAN	90
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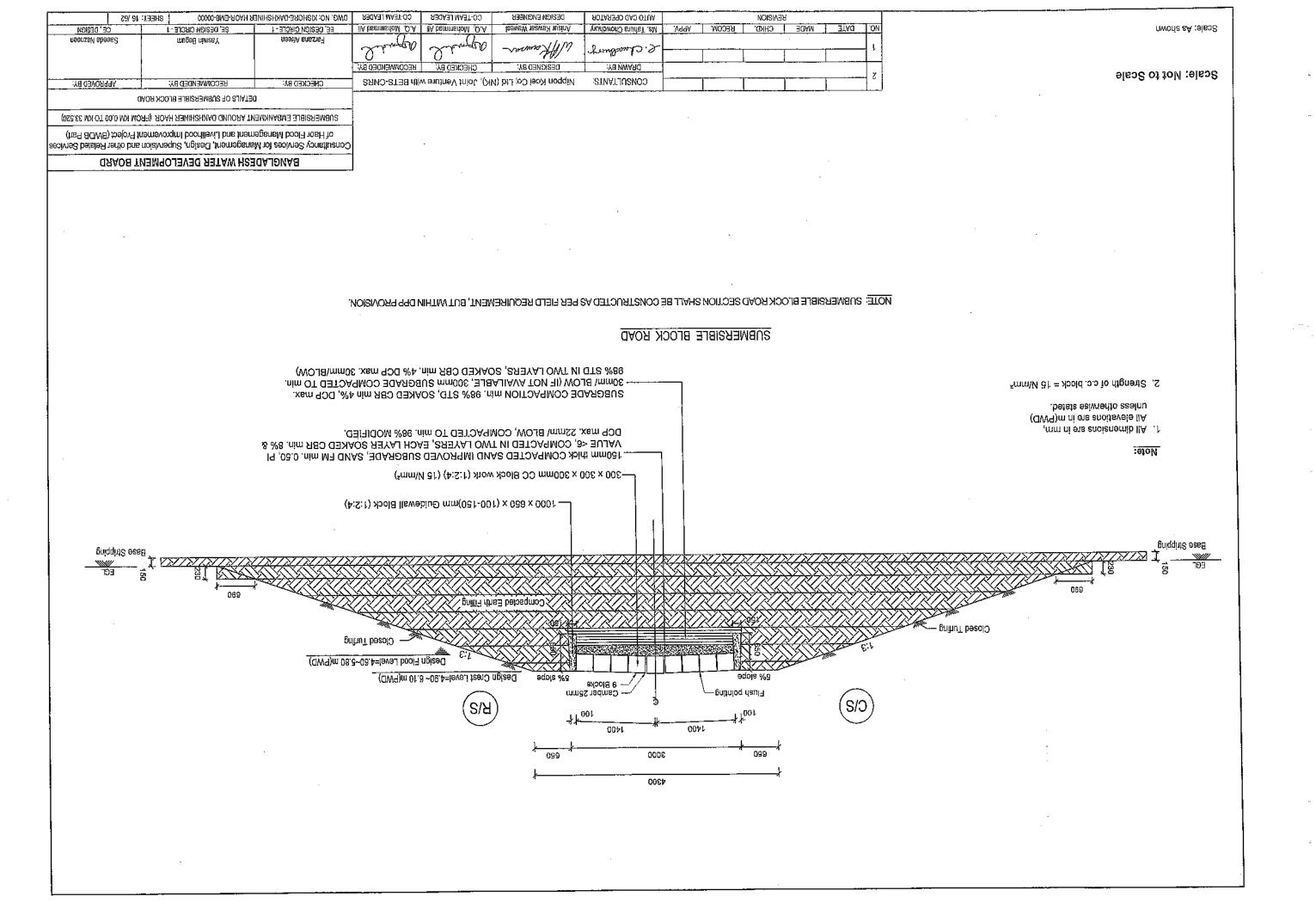
REVISION

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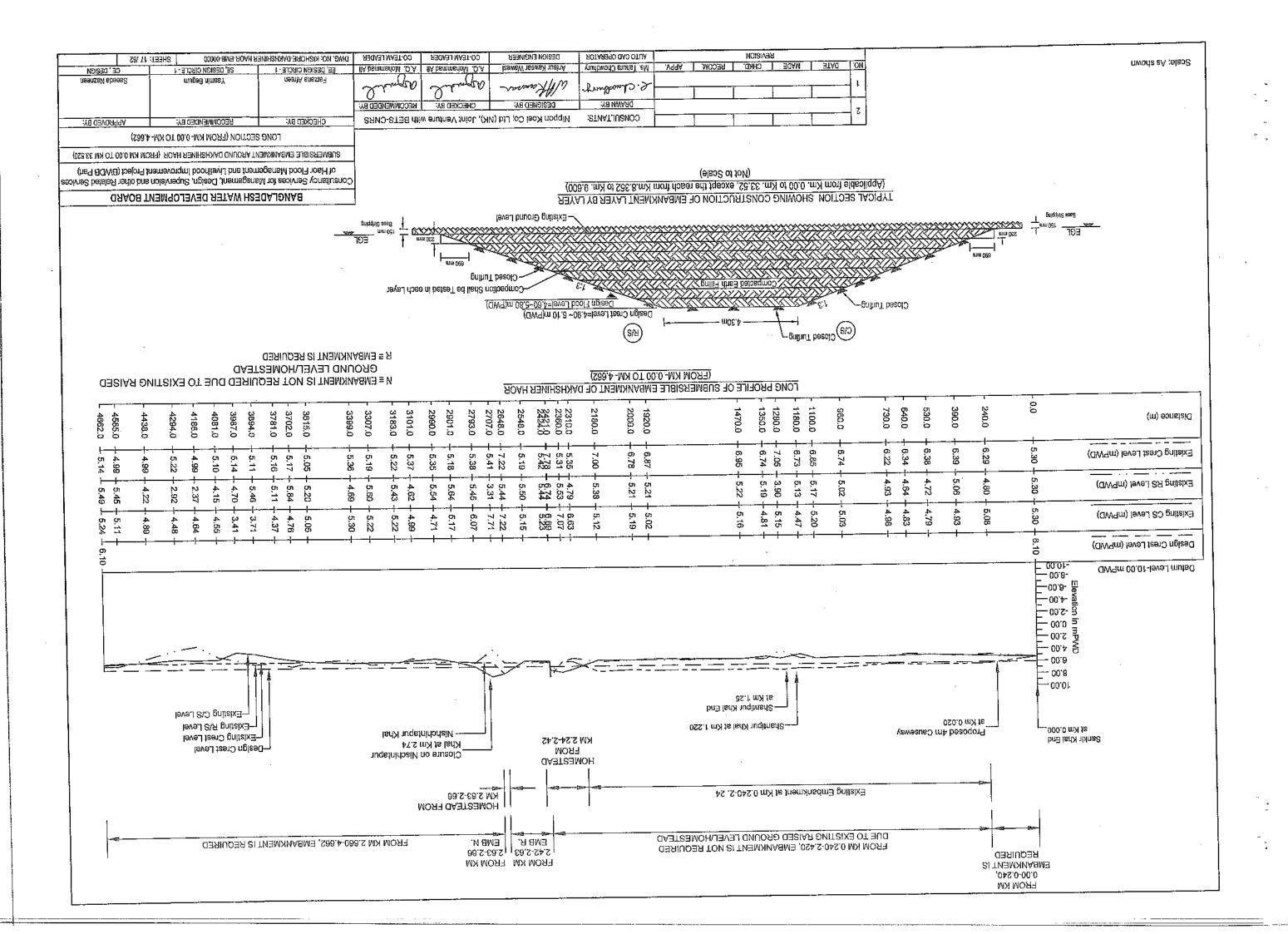
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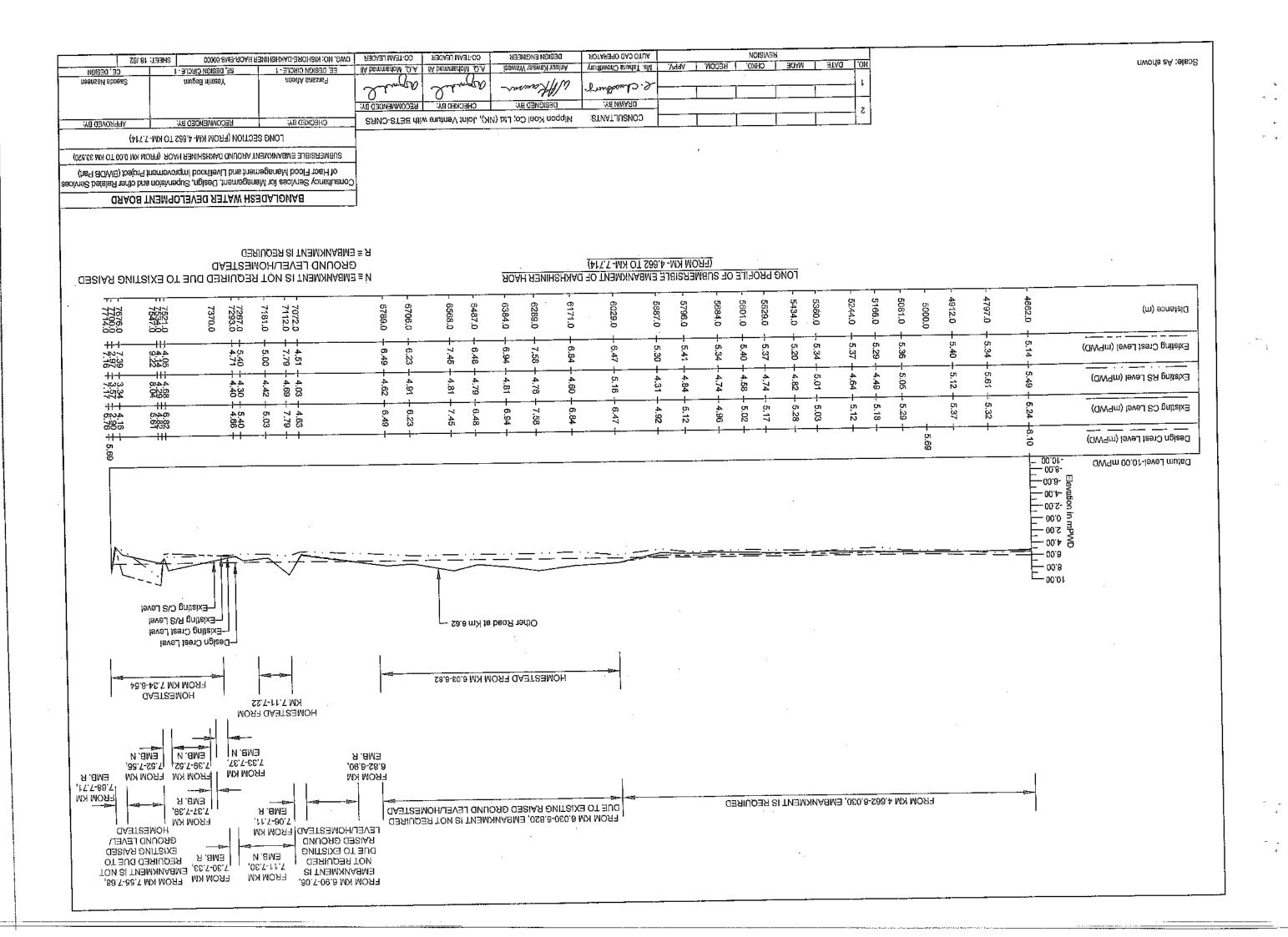
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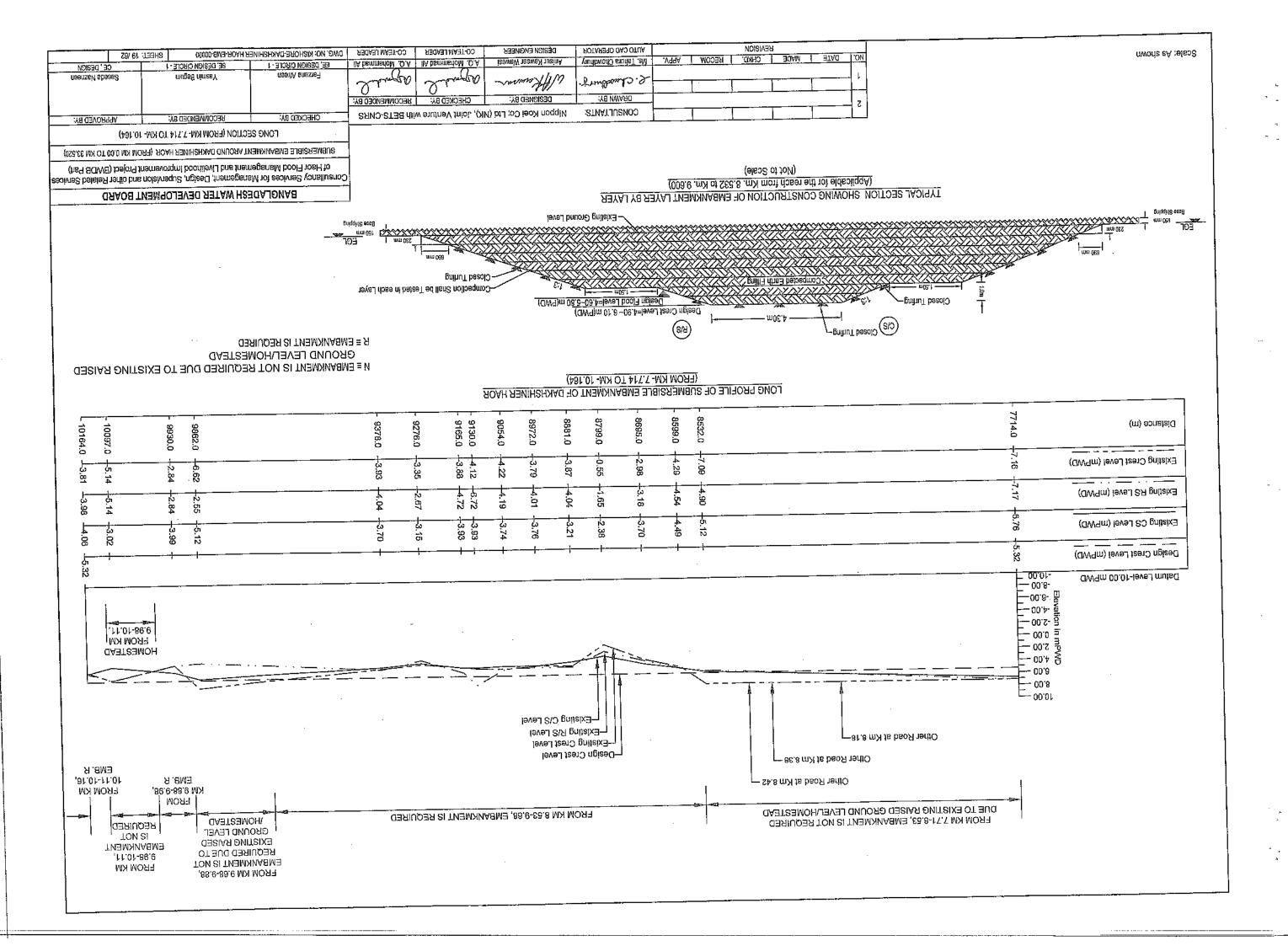


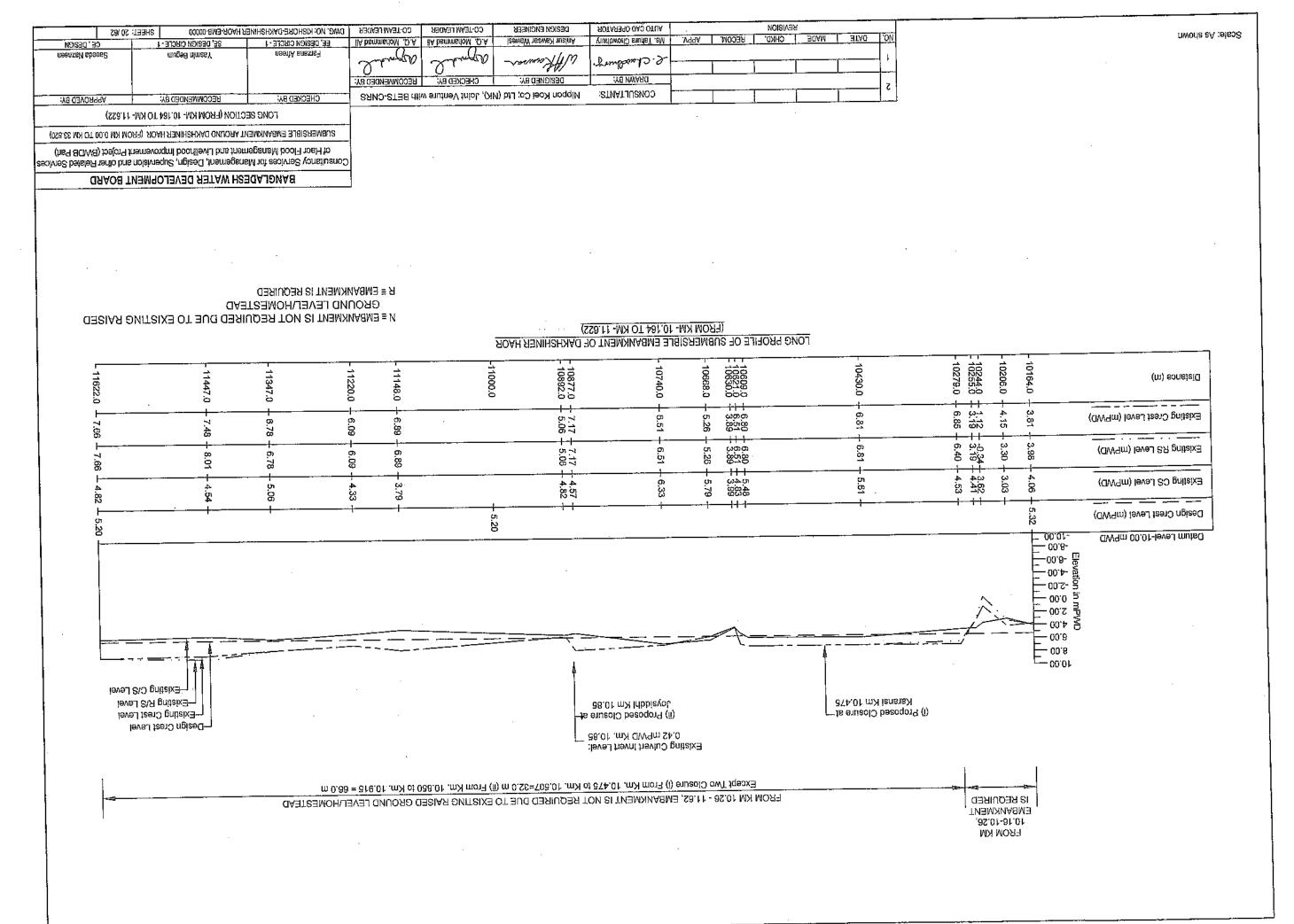
DAKHSHINER HAOR SUB-PROJECT

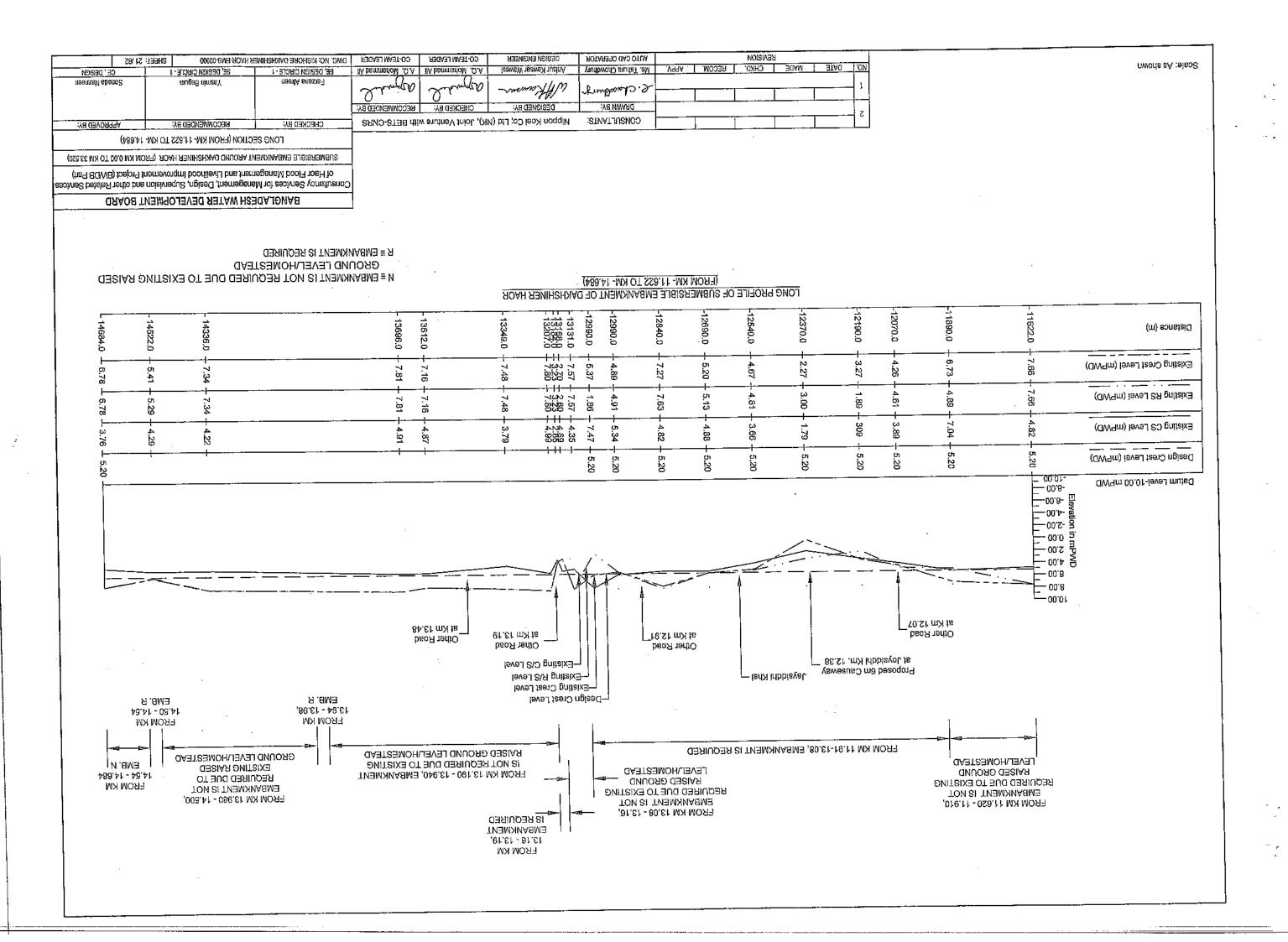
SUBMERSIBLE EMBANKMENT AROUND DAKHSHINER HAOR (FROM KM. 0.00 TO KM. 33.520)

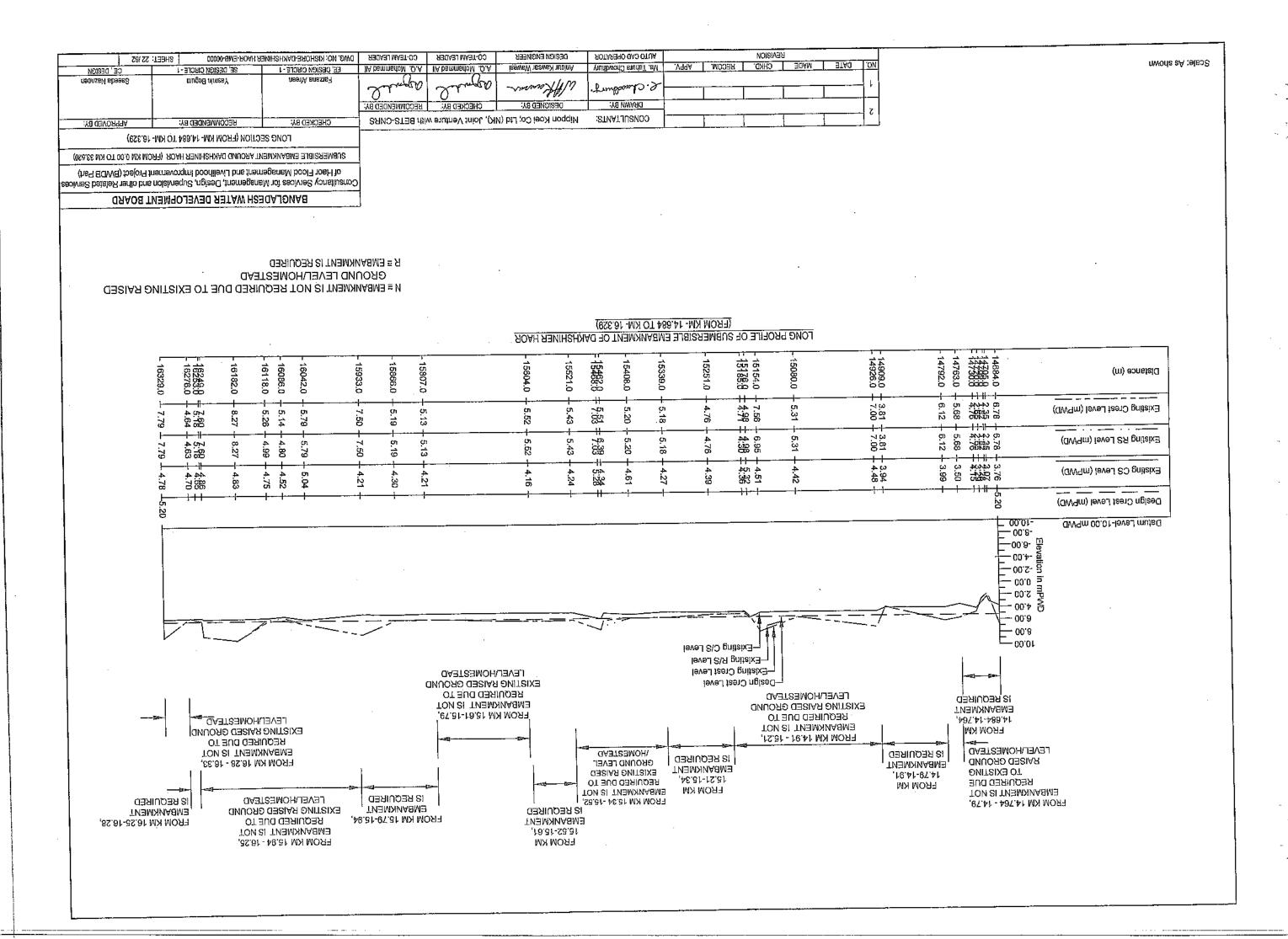


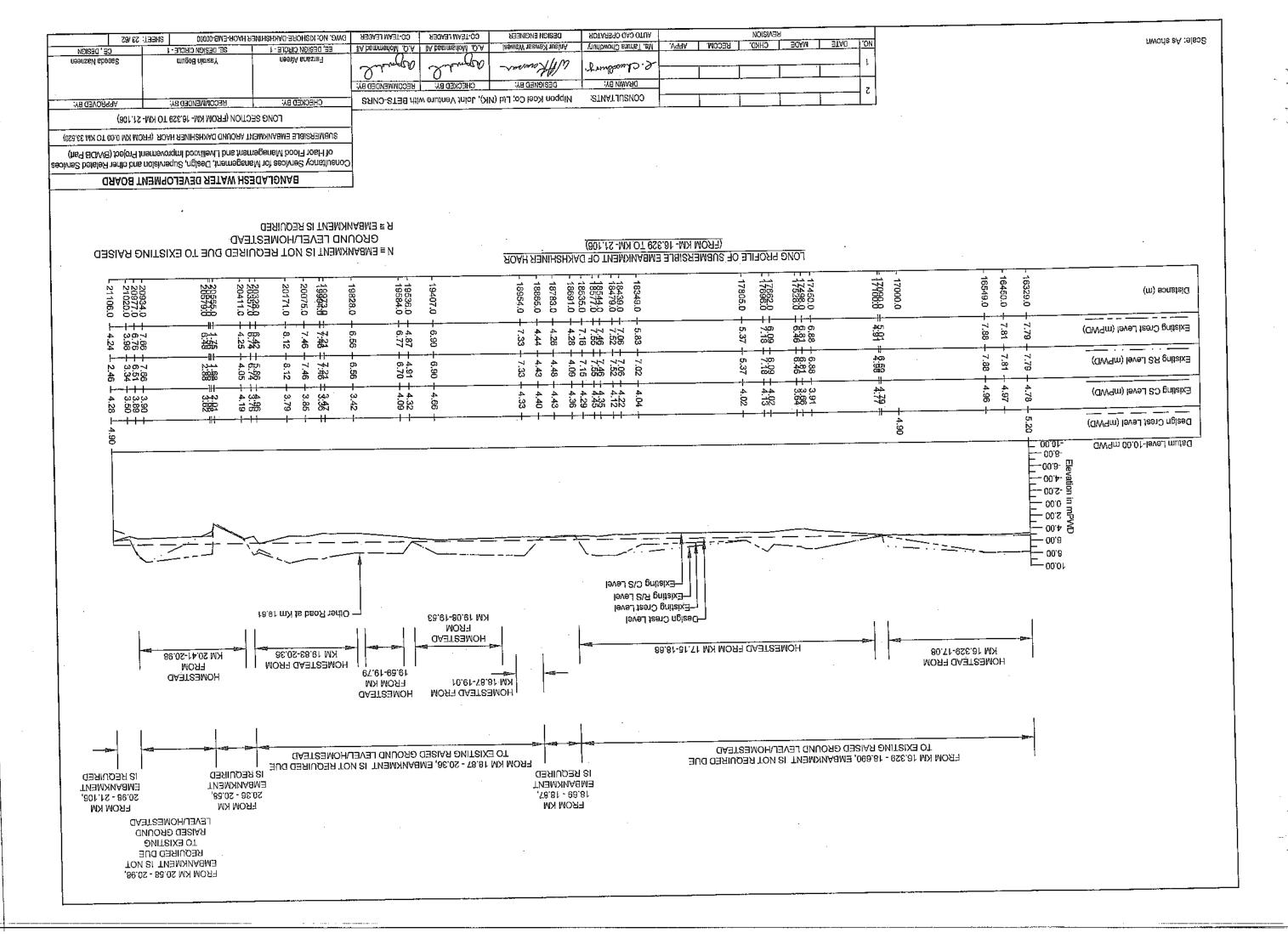


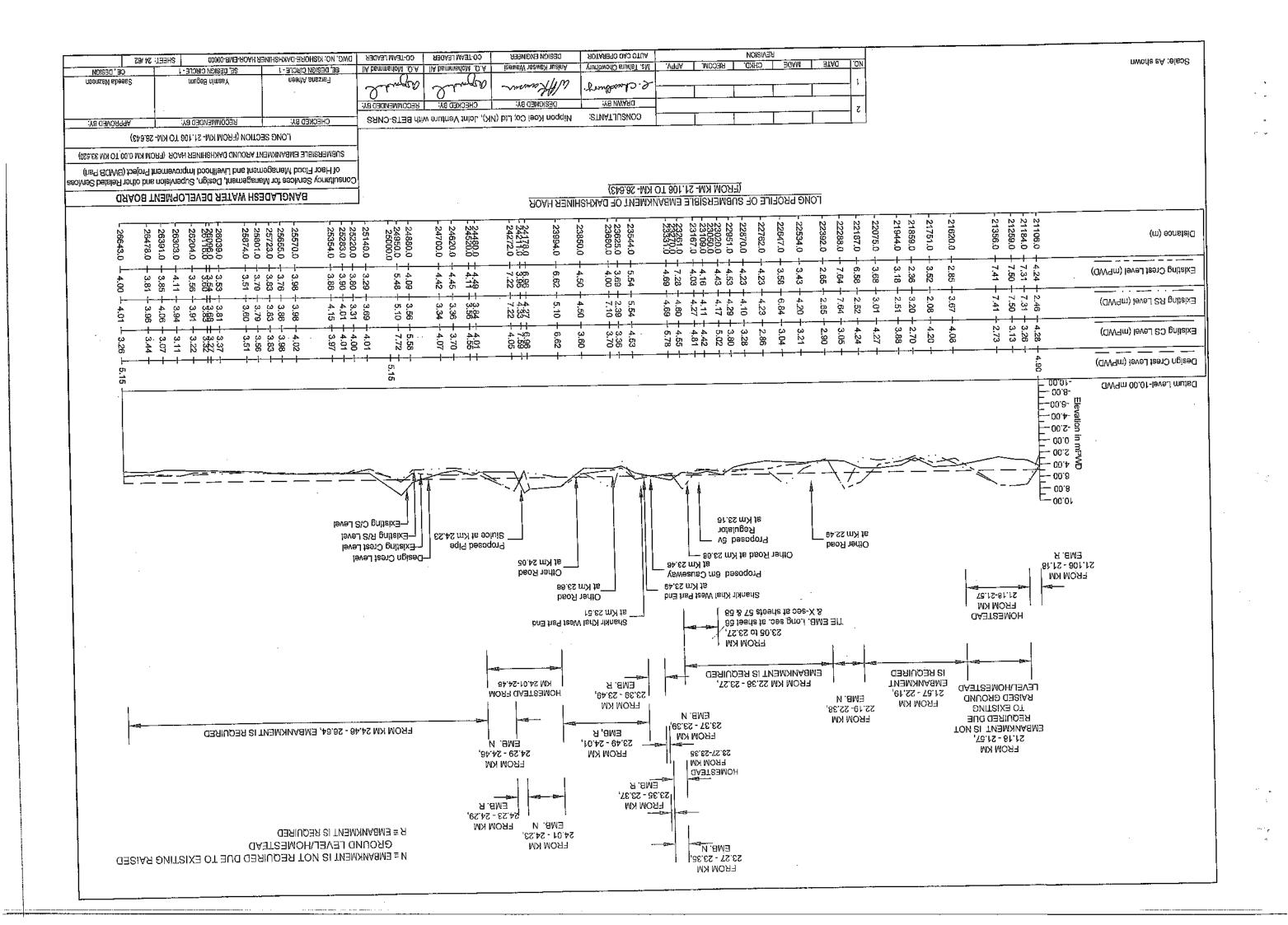


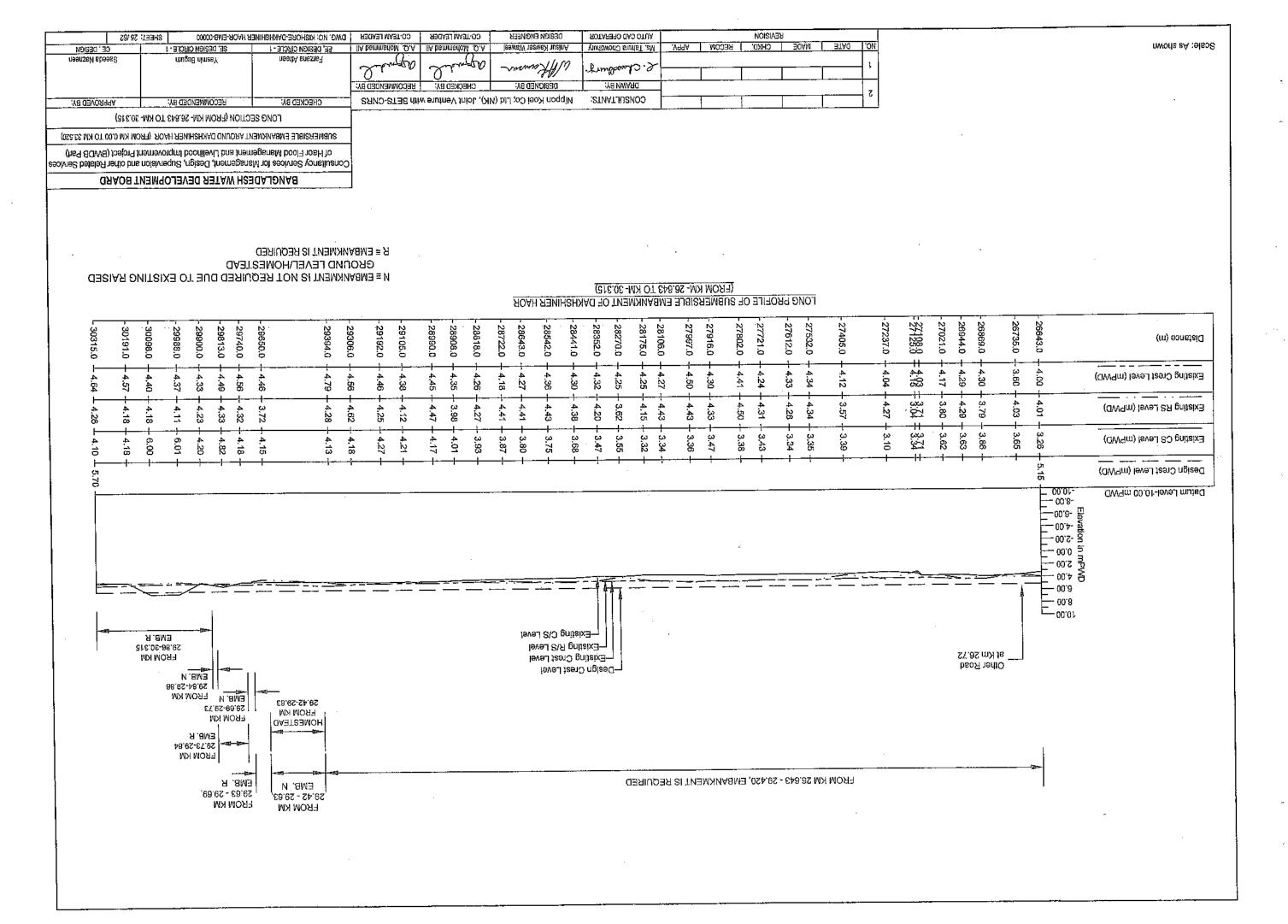


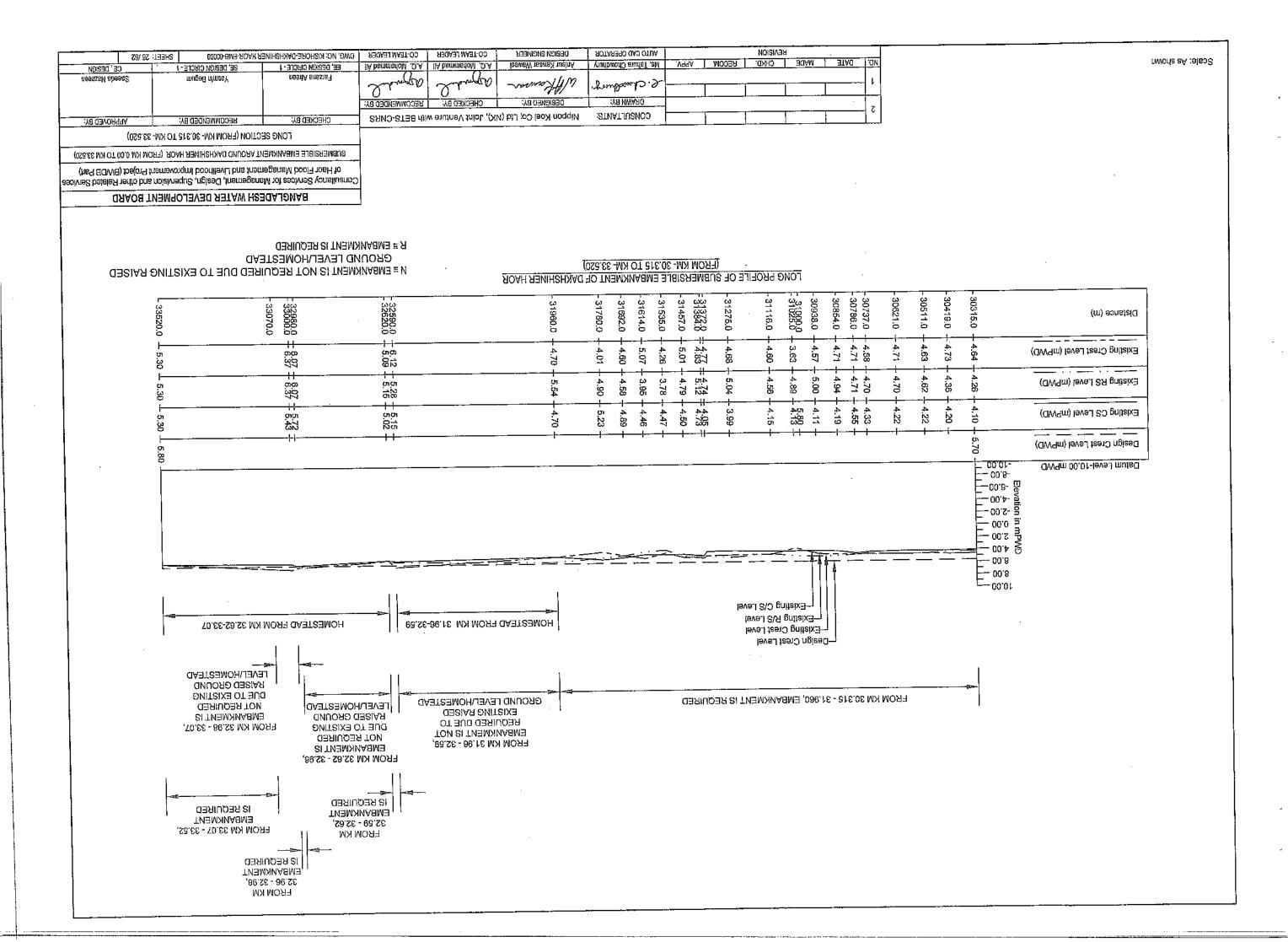






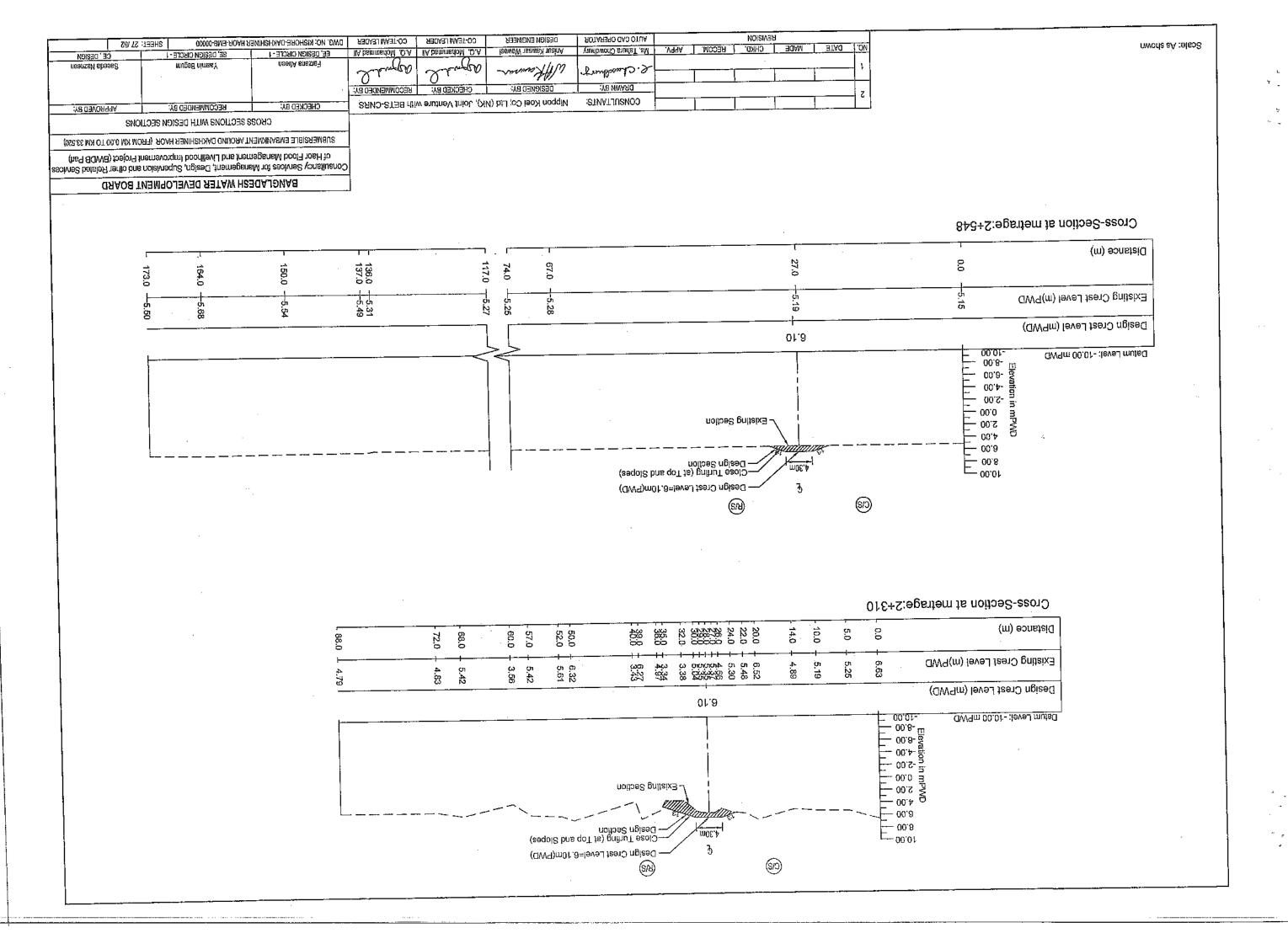


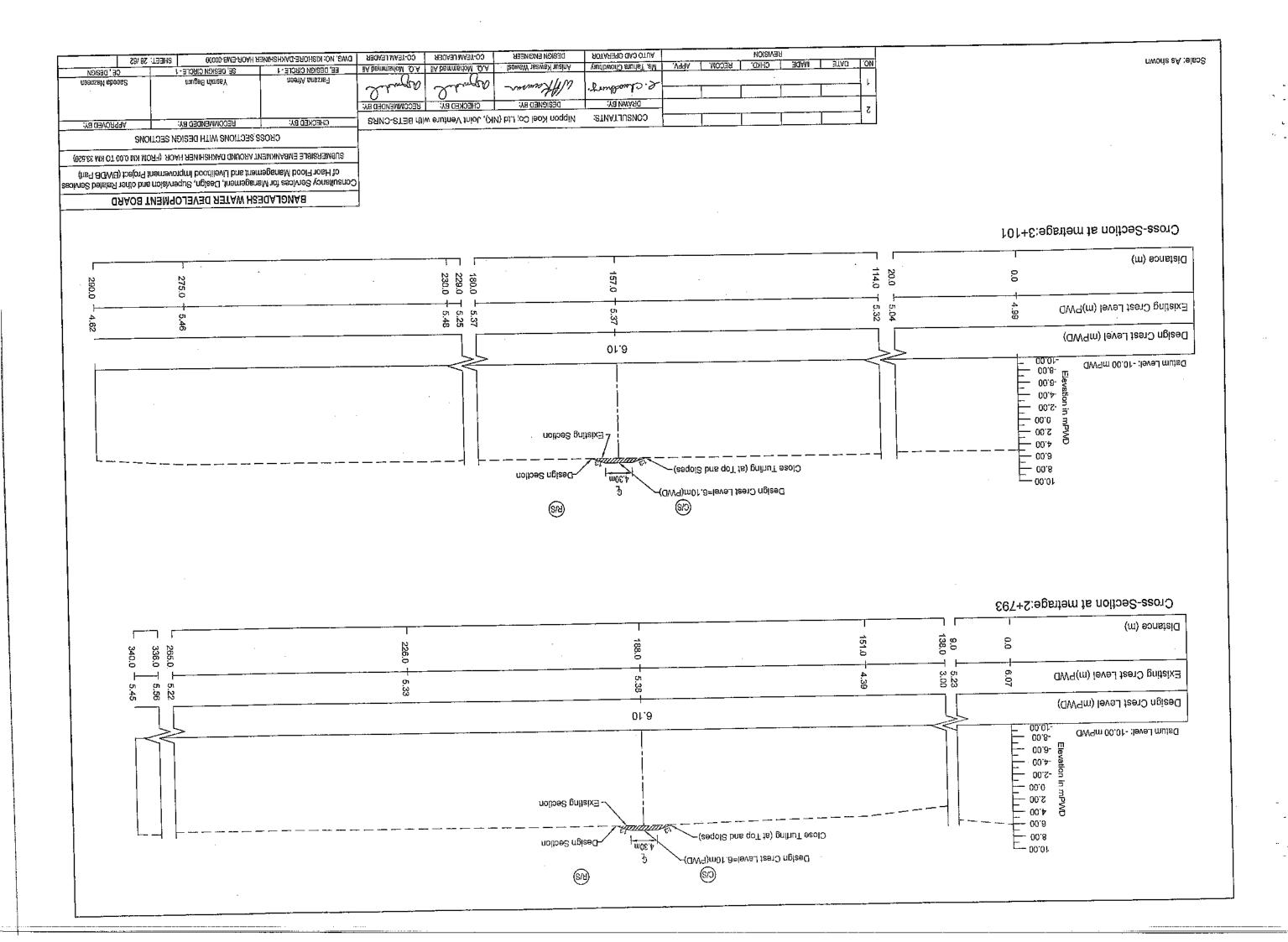


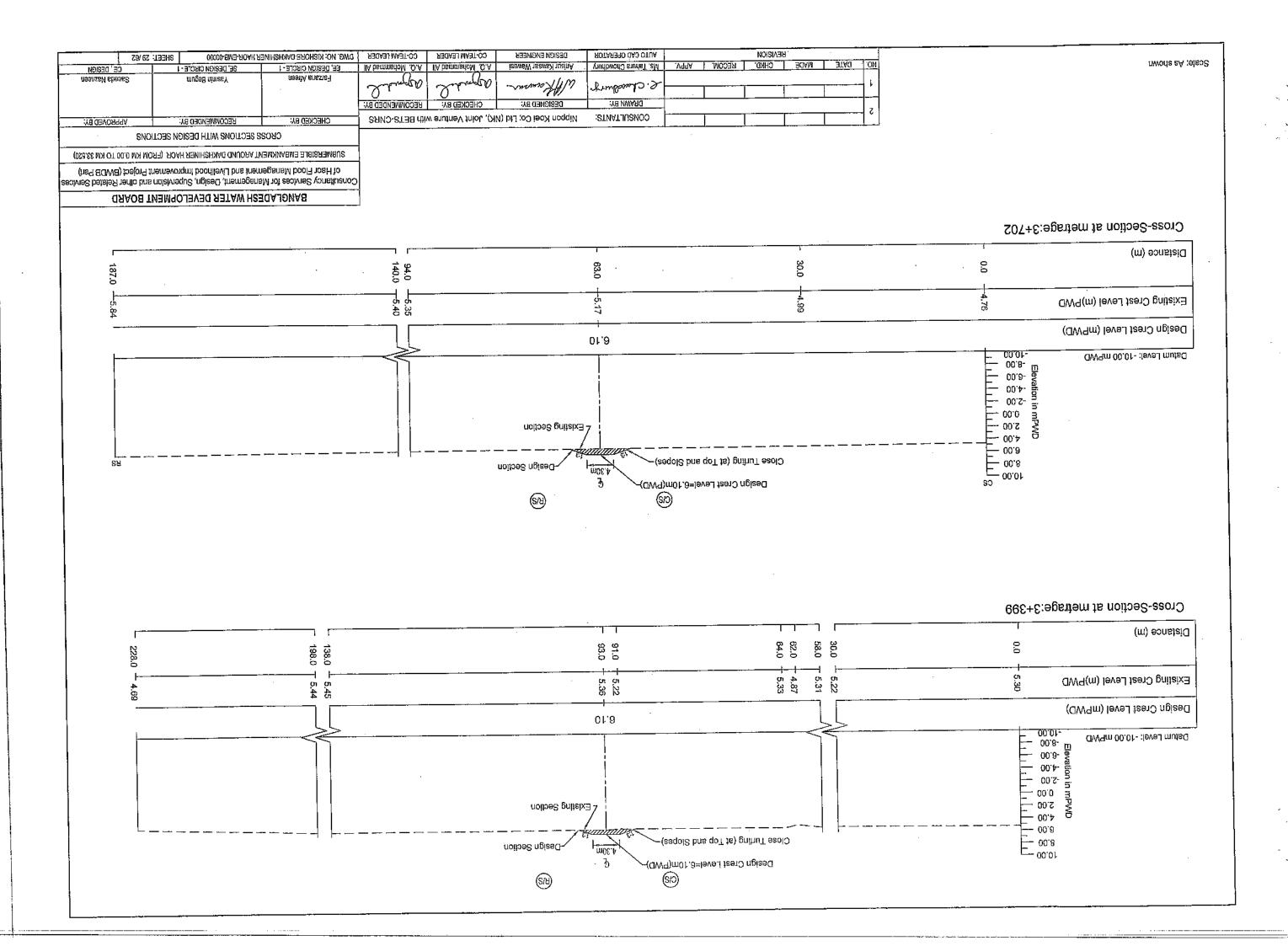


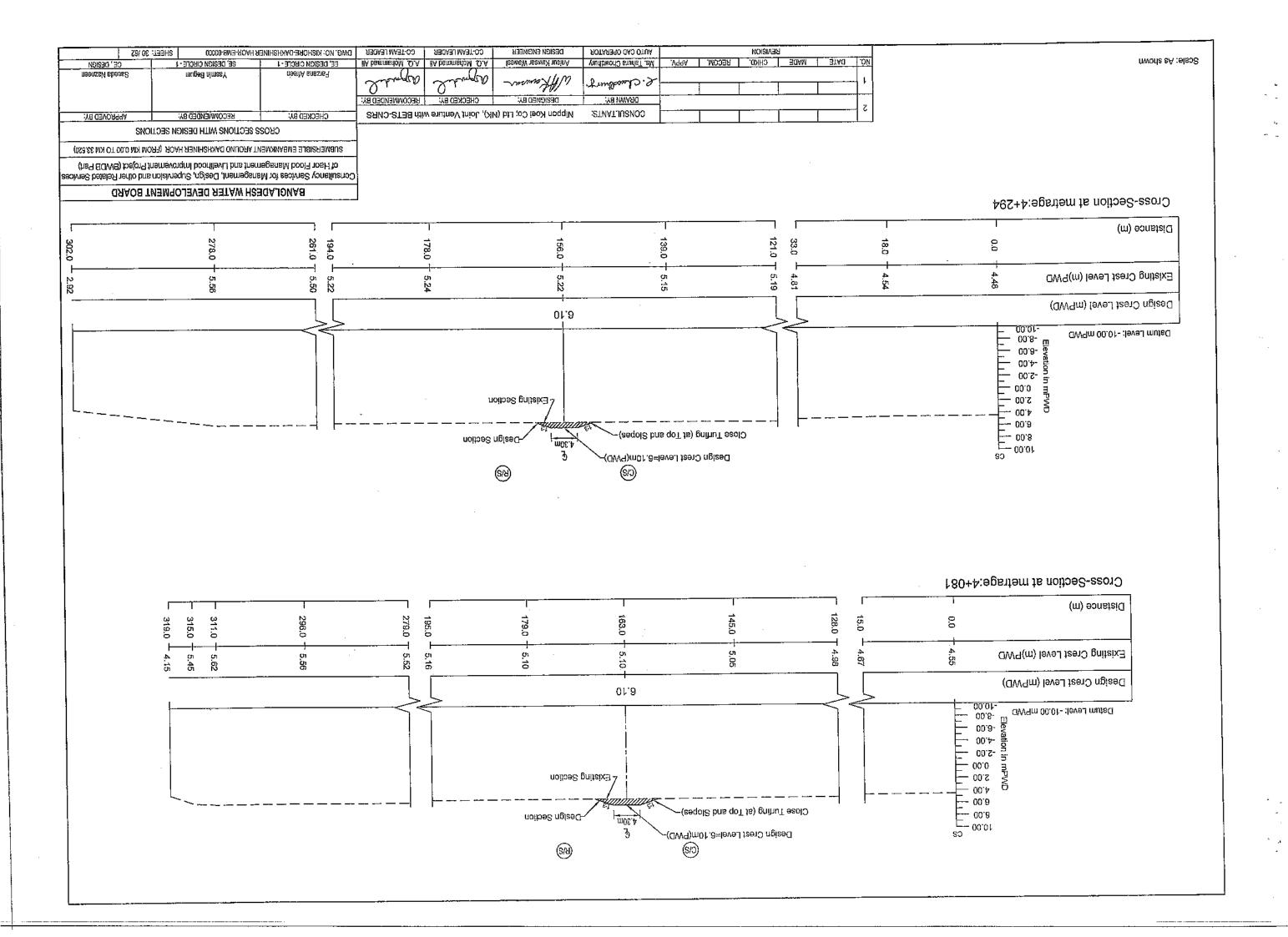
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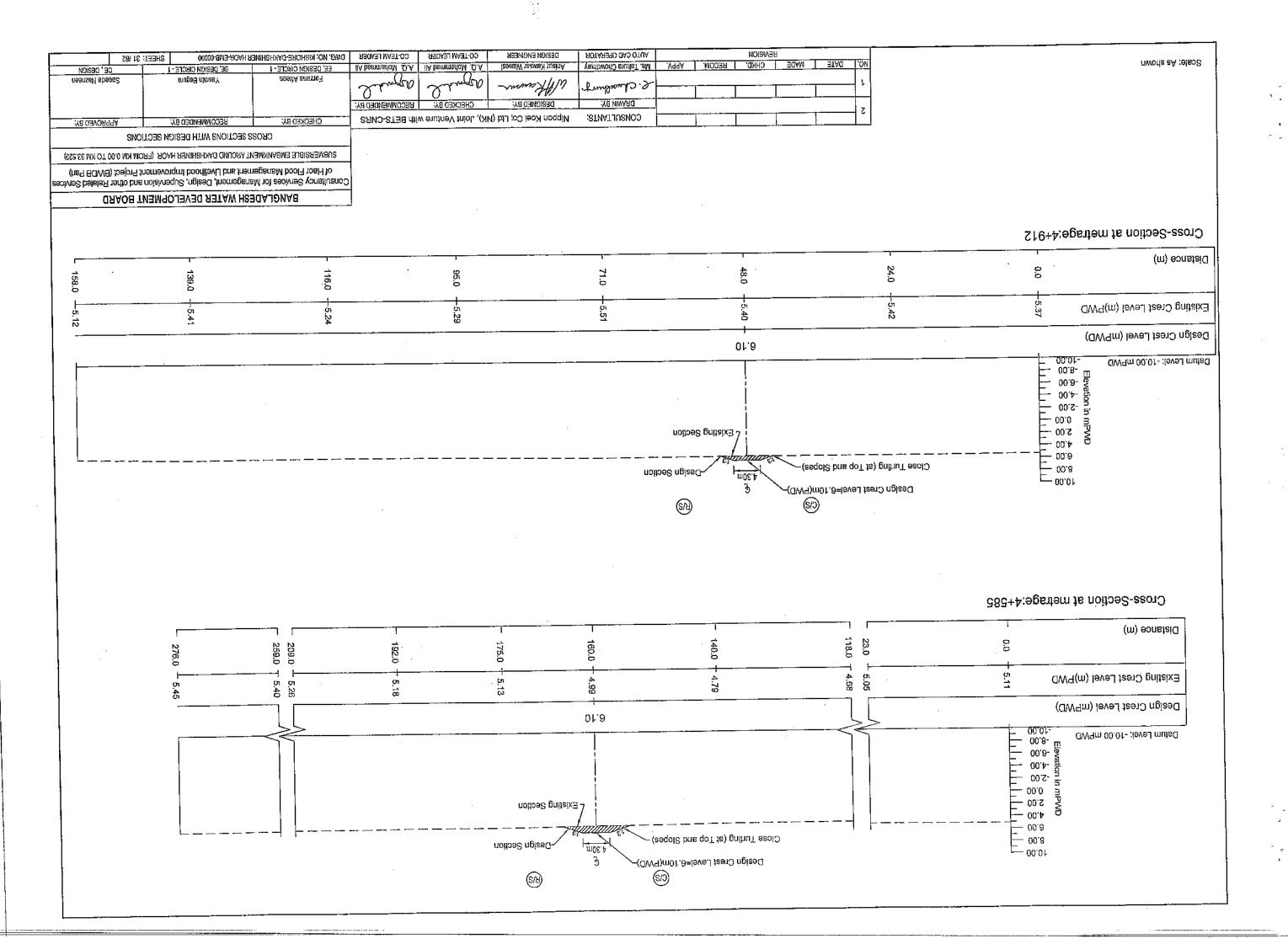
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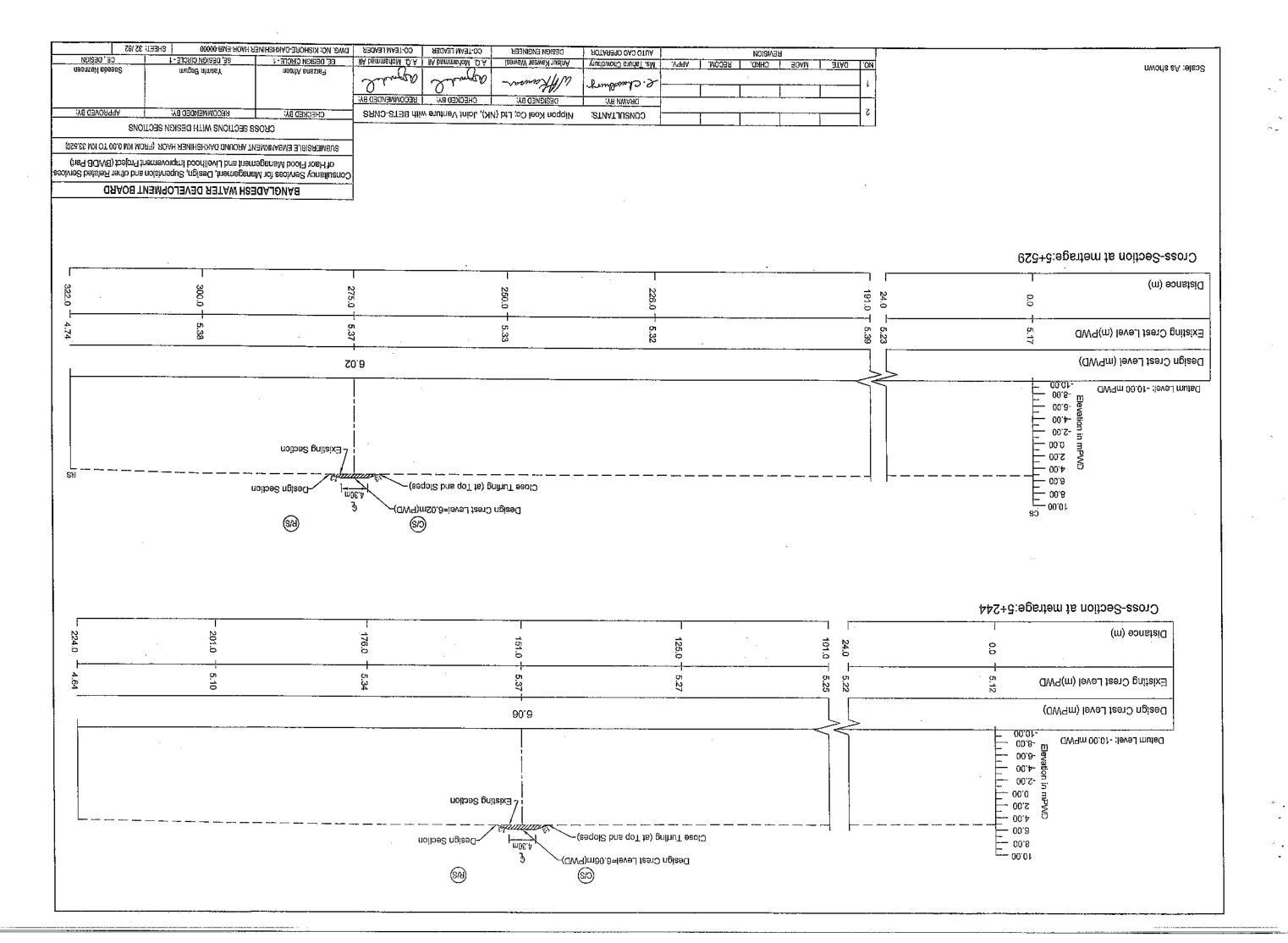


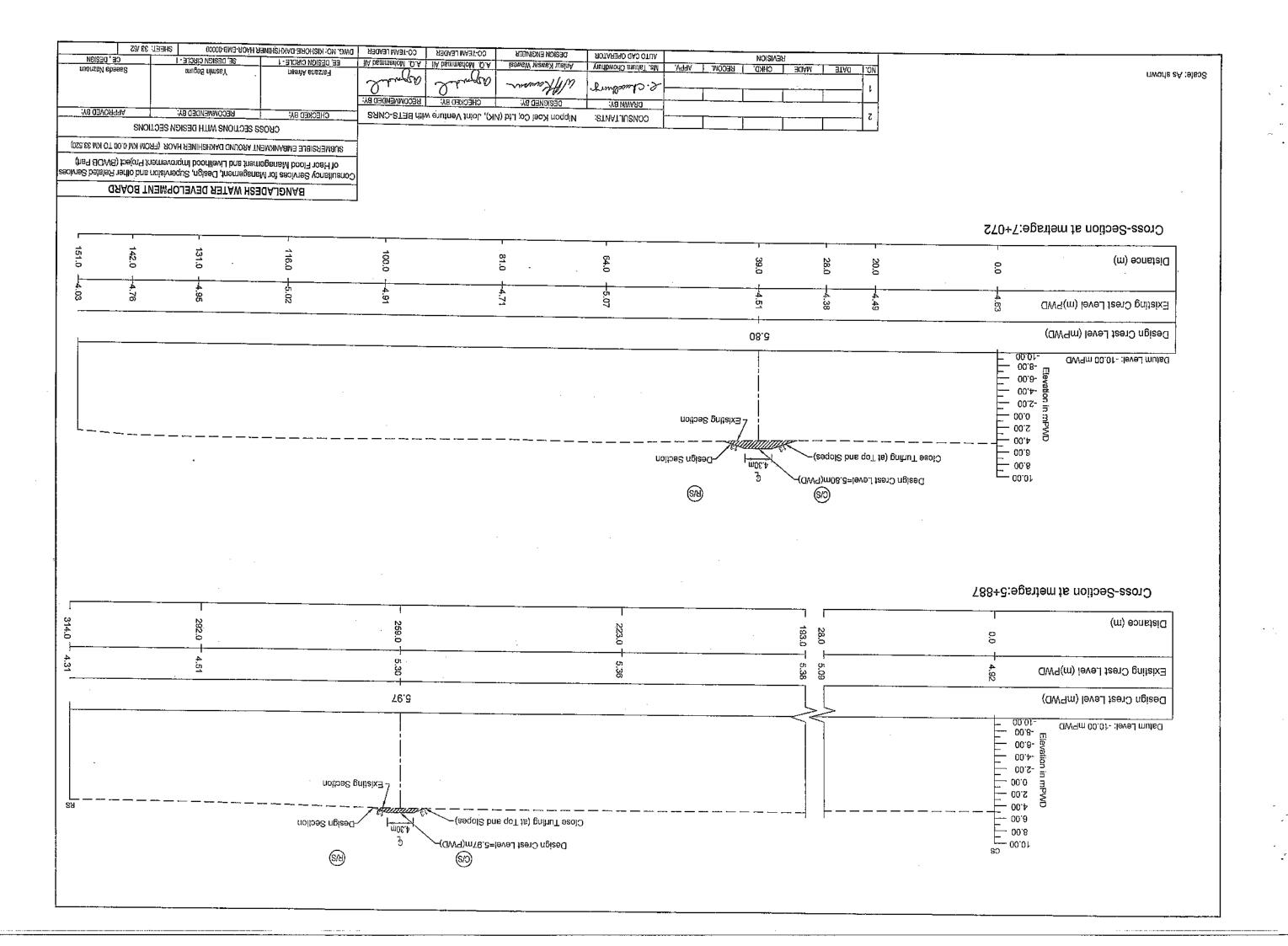


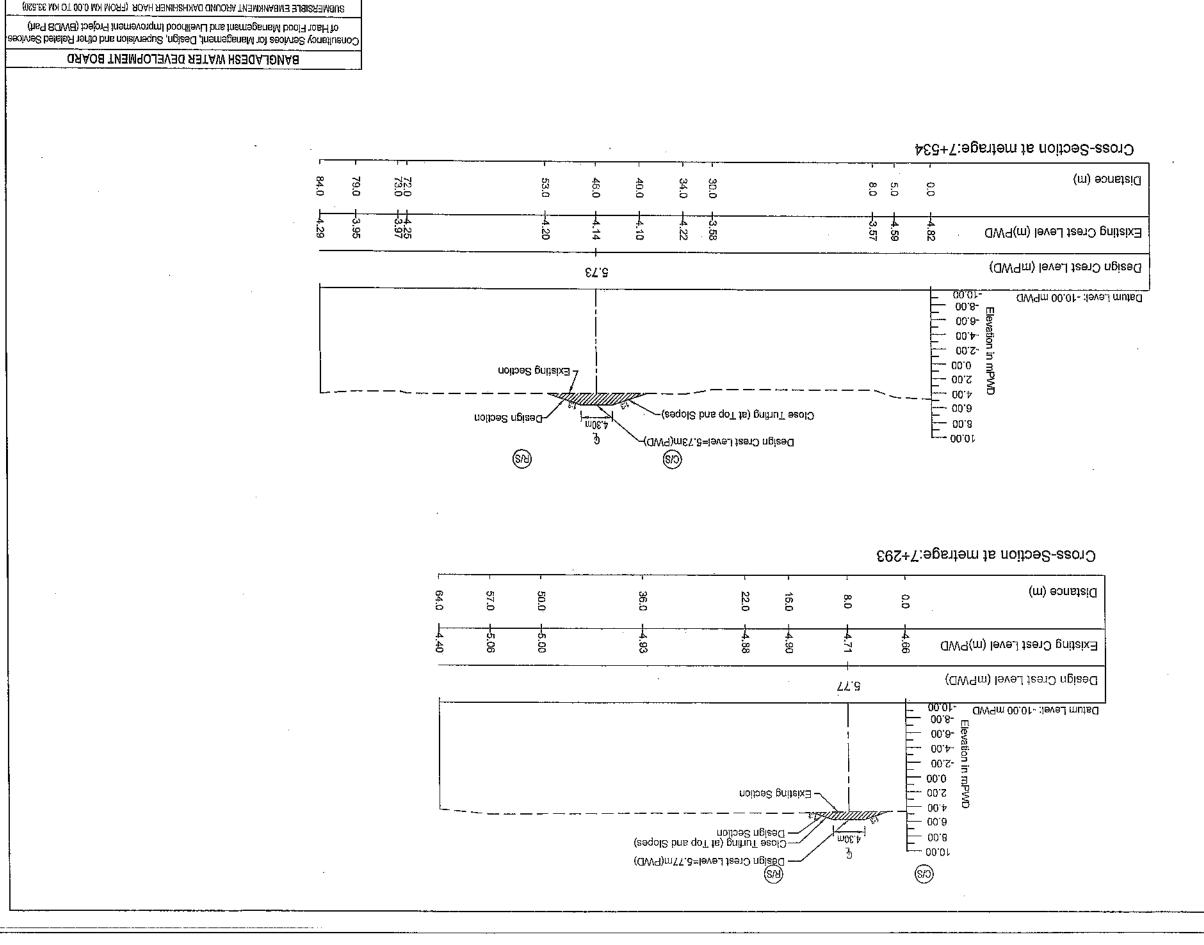












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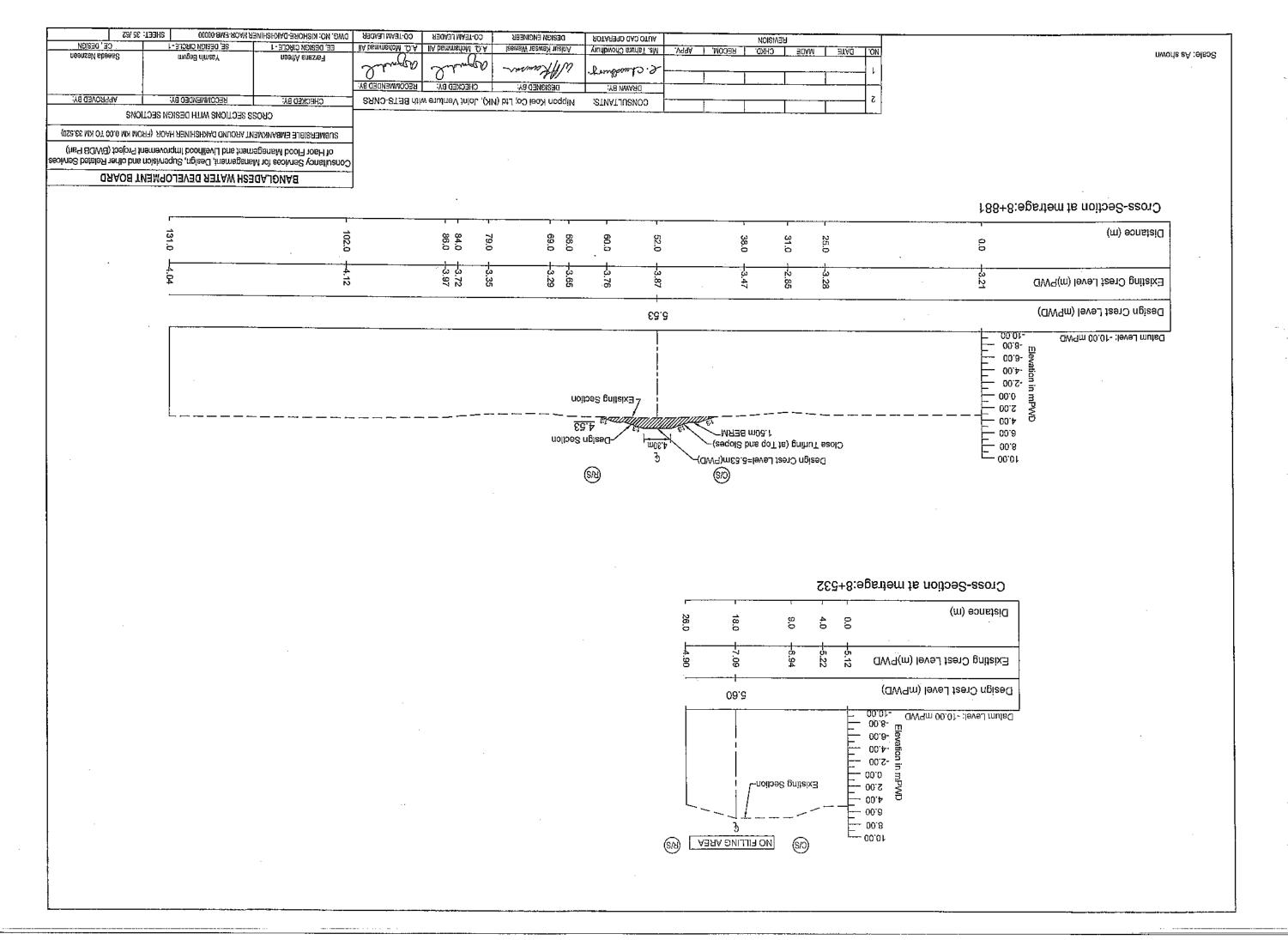
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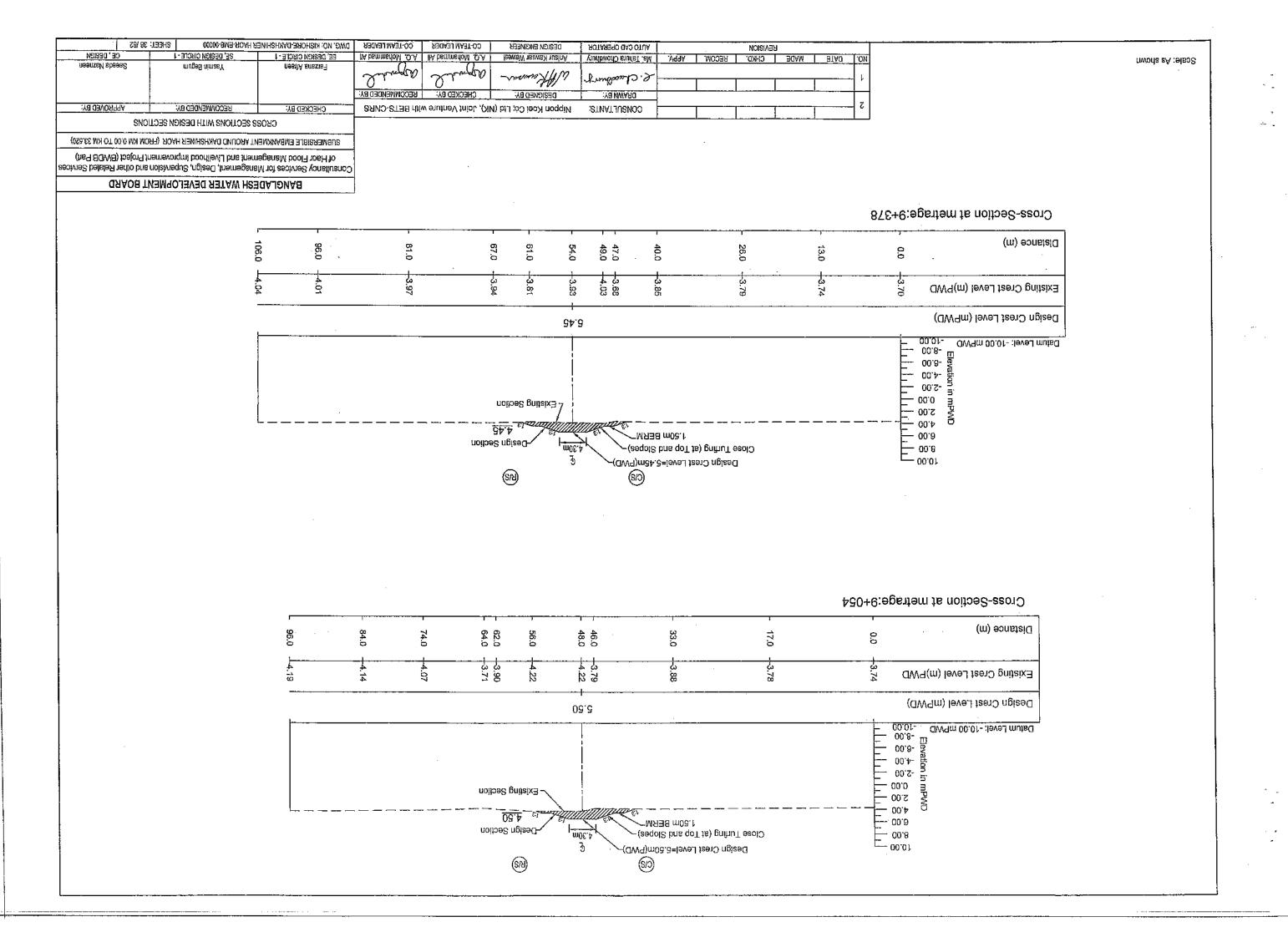
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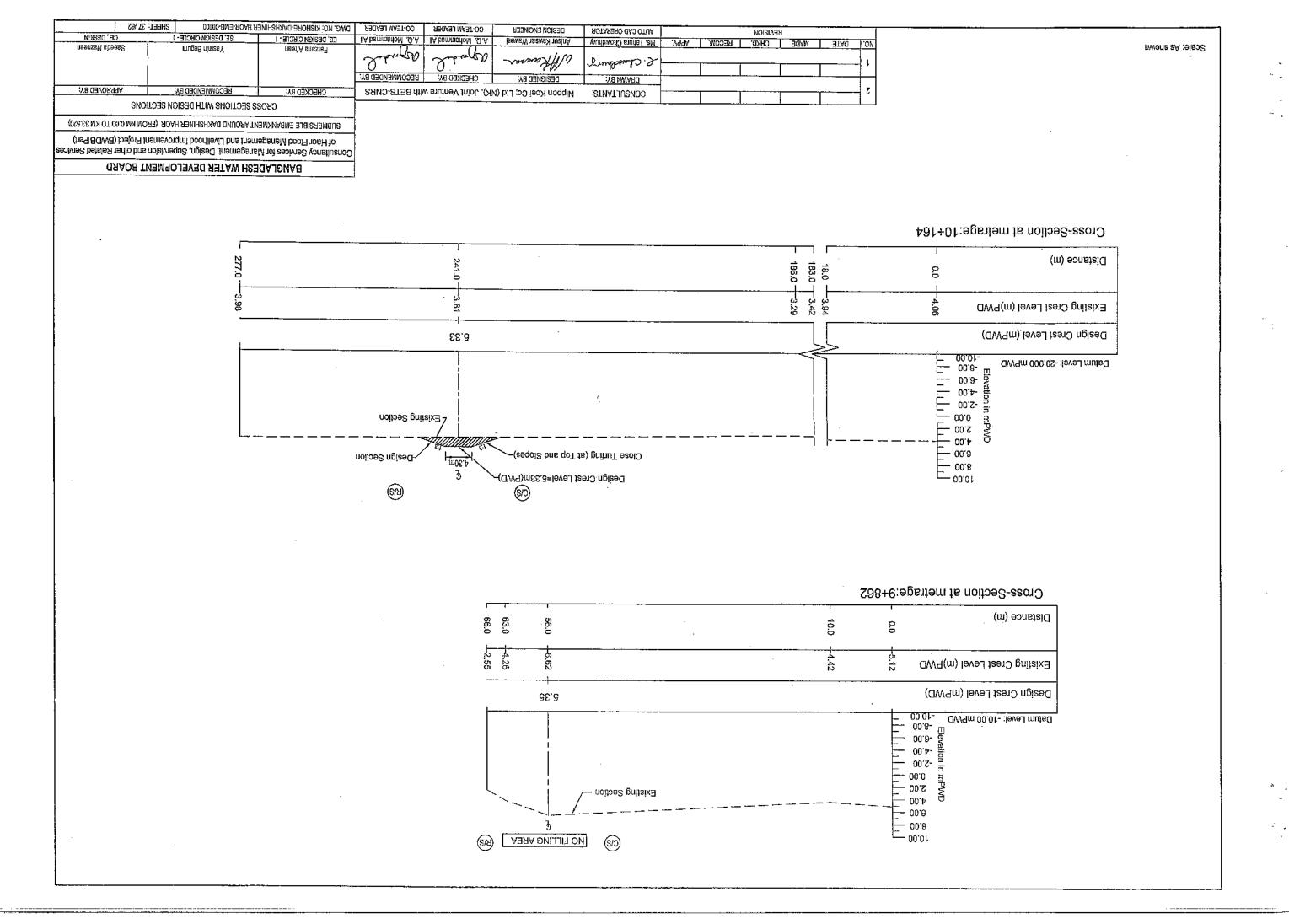
REVISION

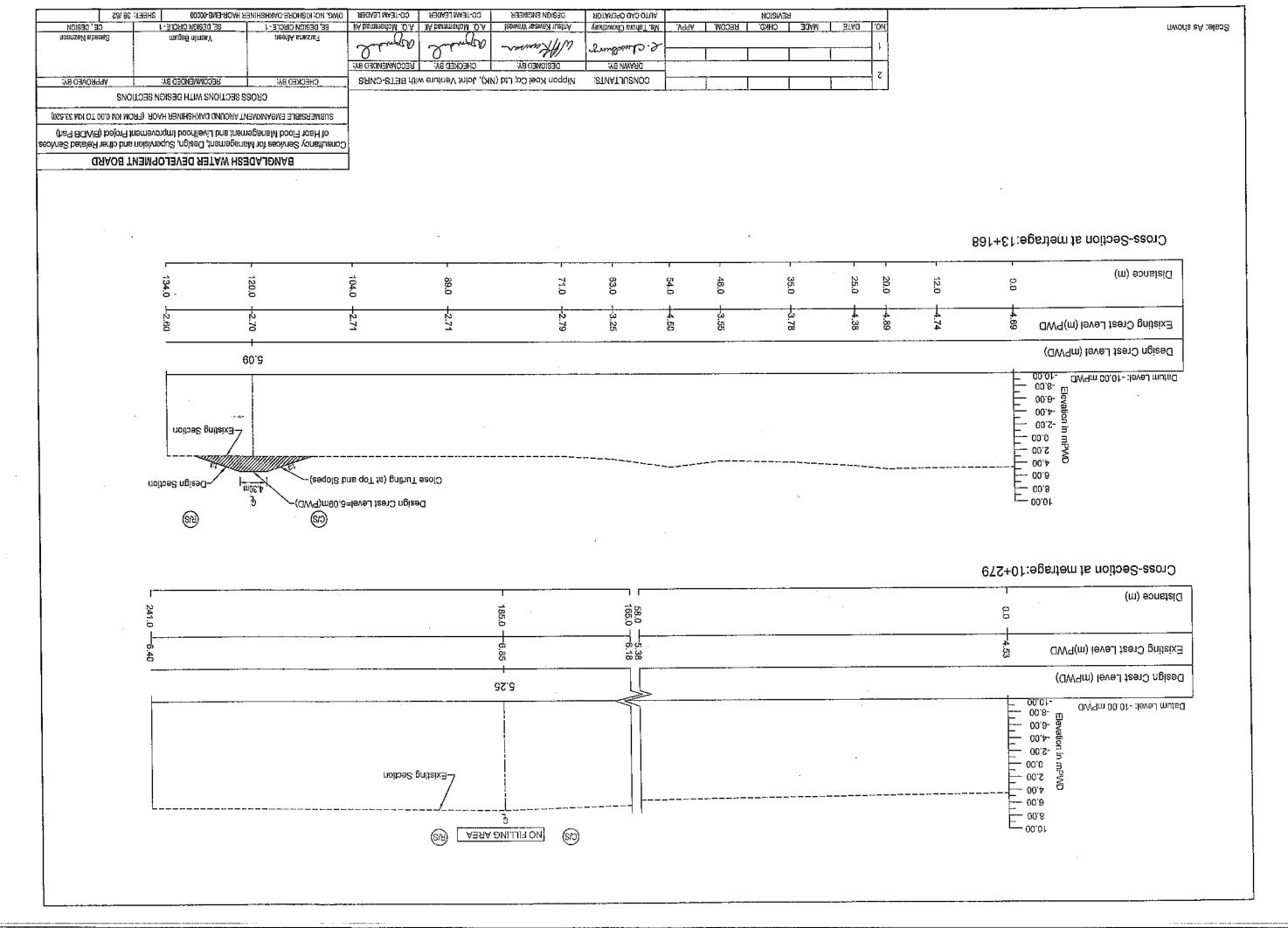
AUTÓ CAD OPERATOR Anisur Kawsar Wawesi

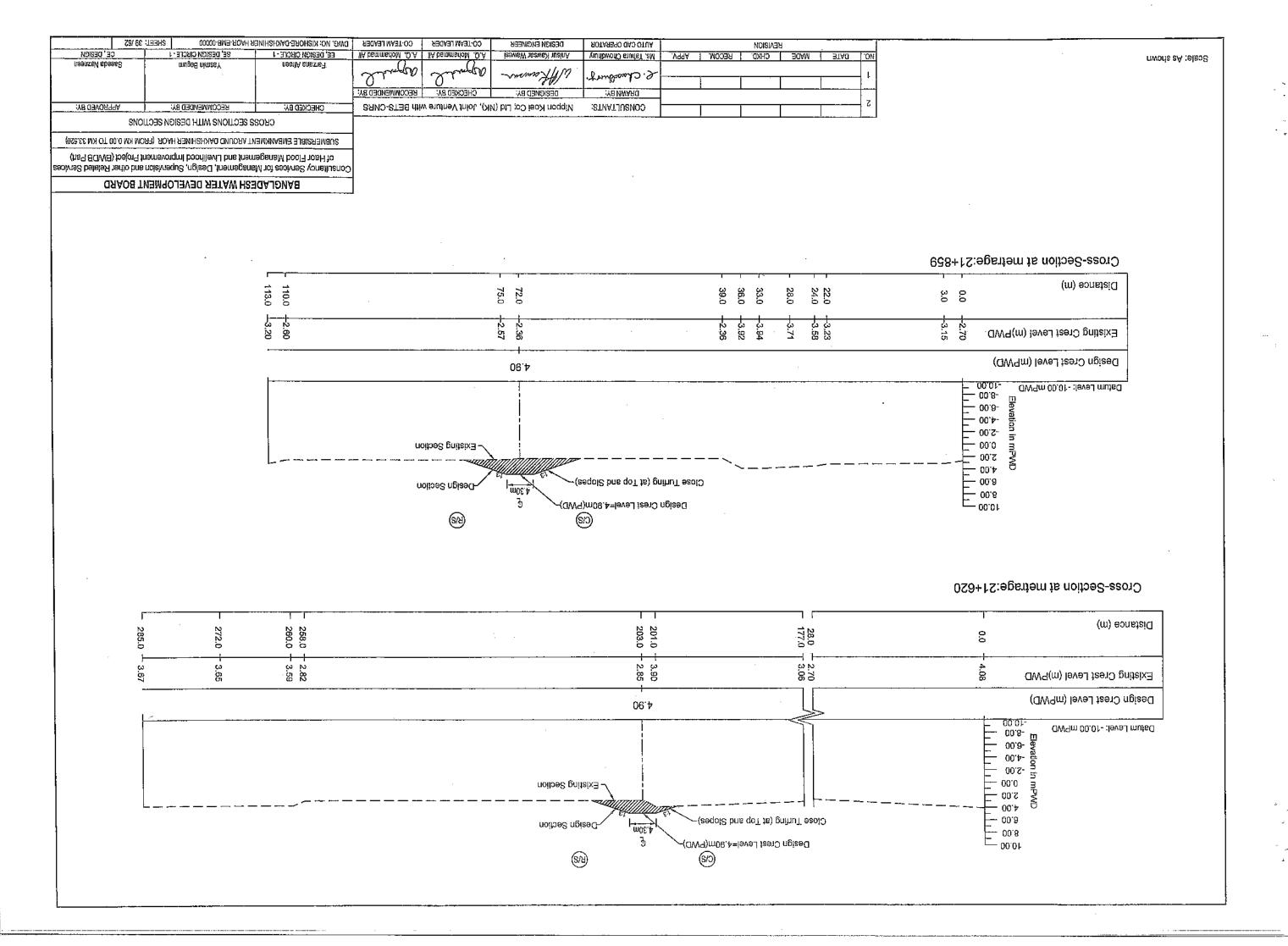
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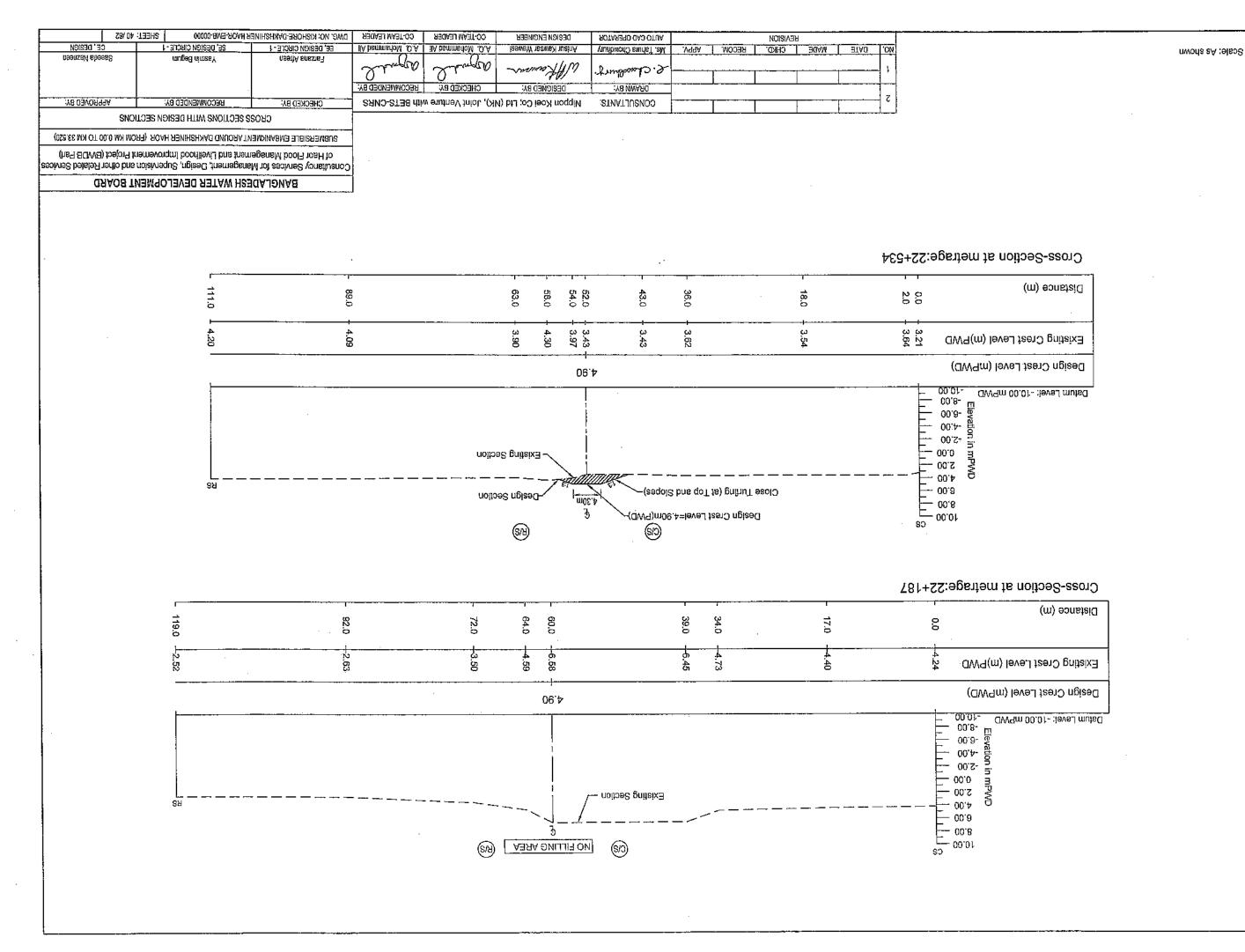


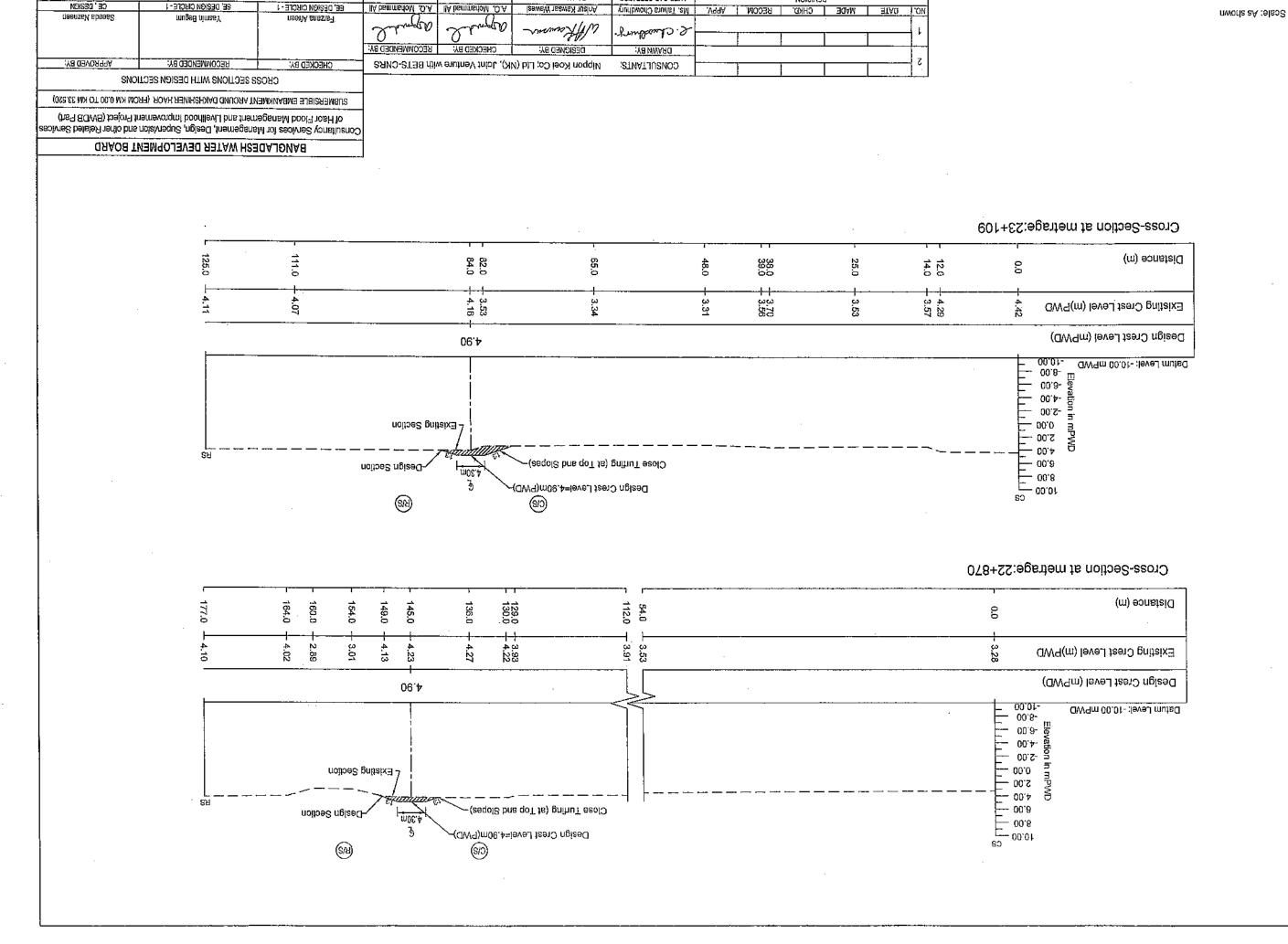












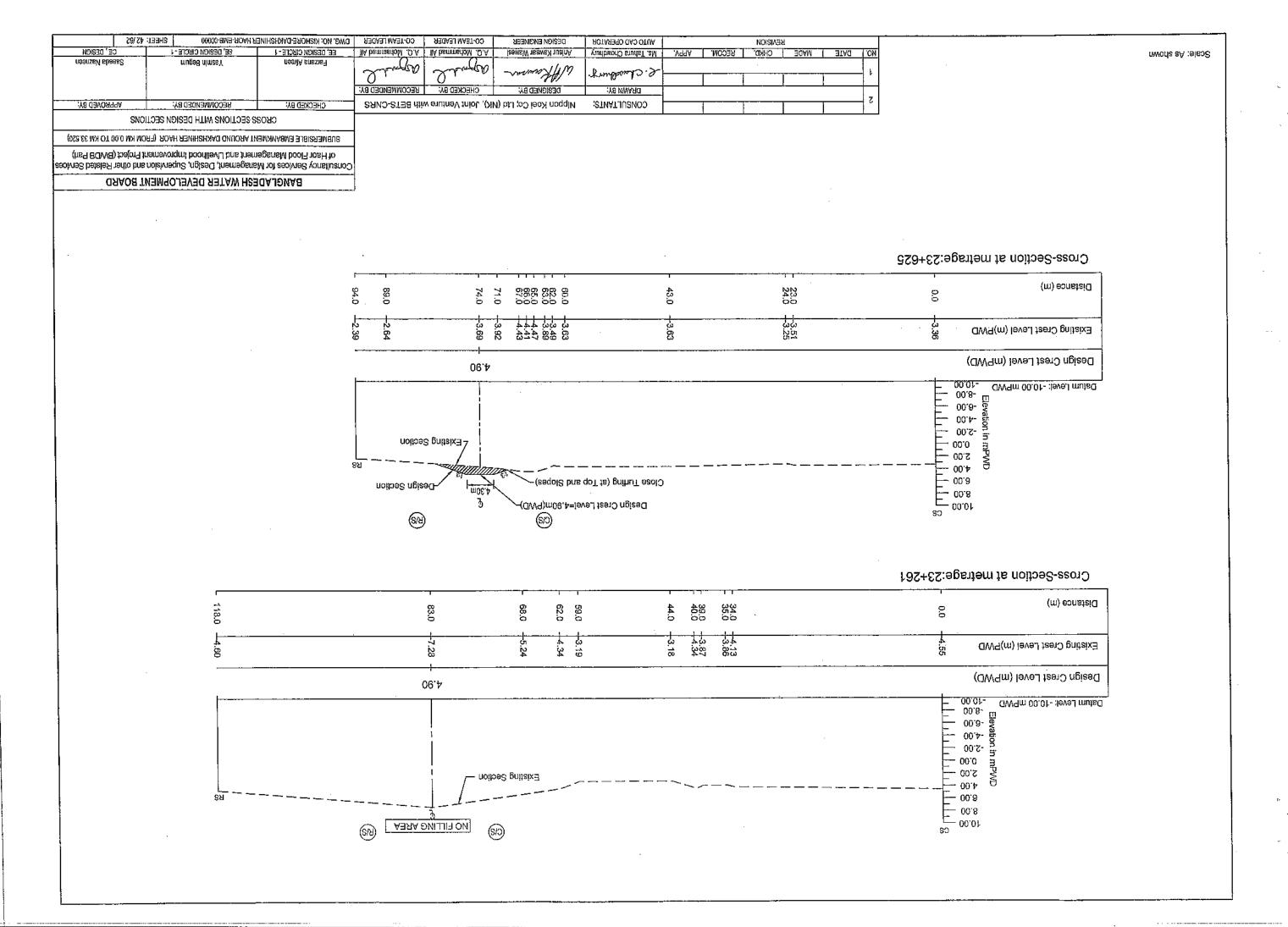
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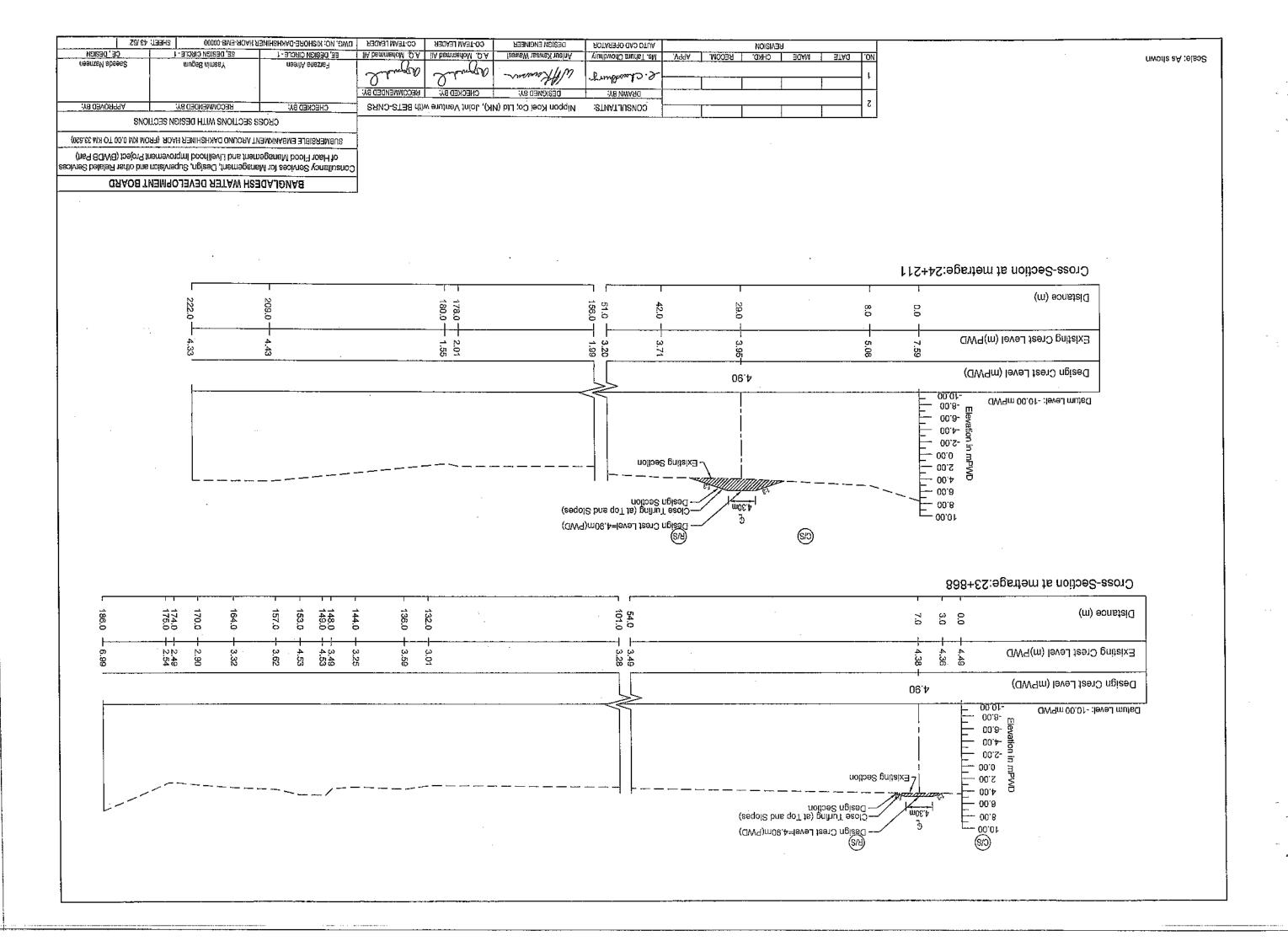
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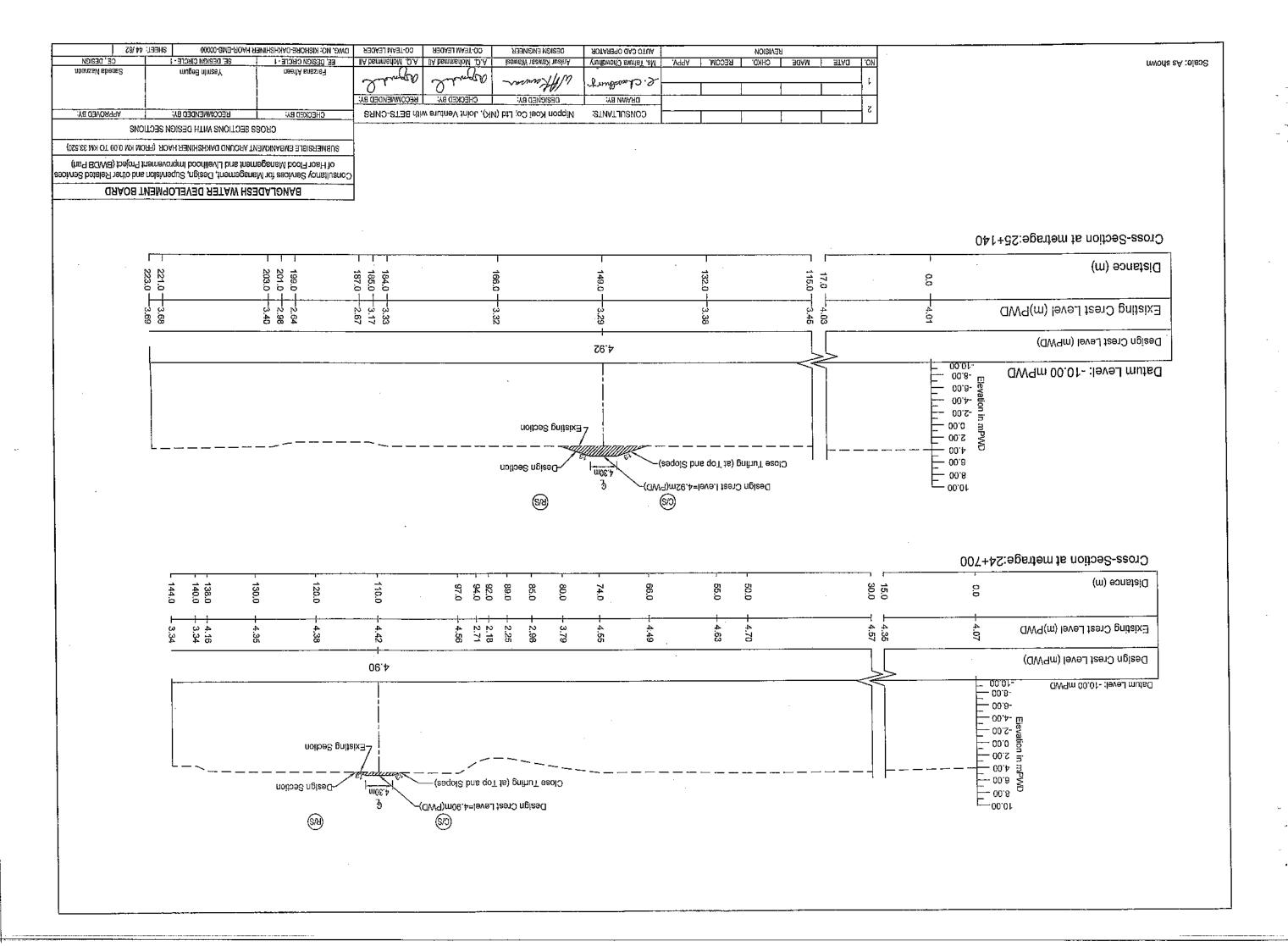
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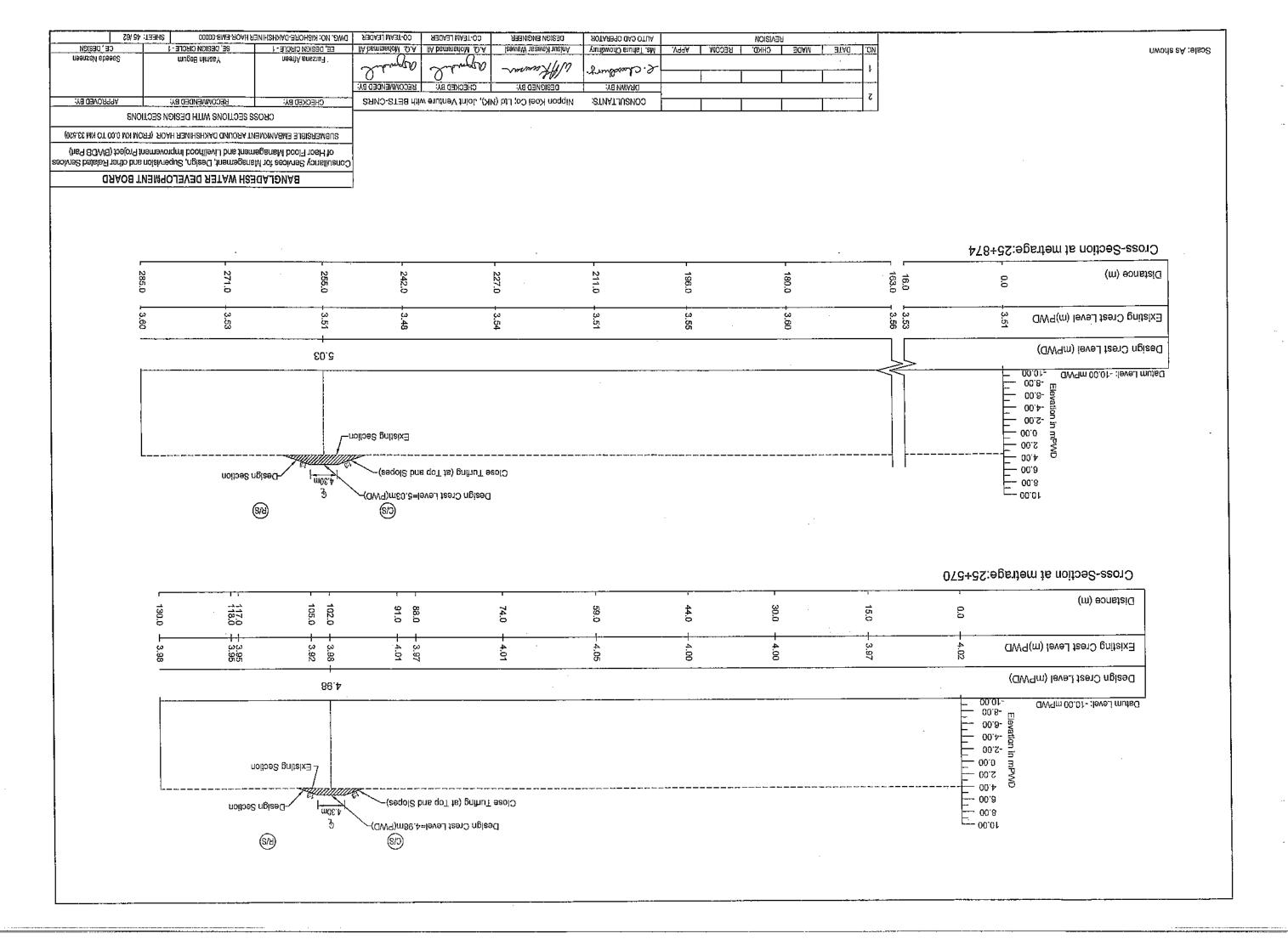
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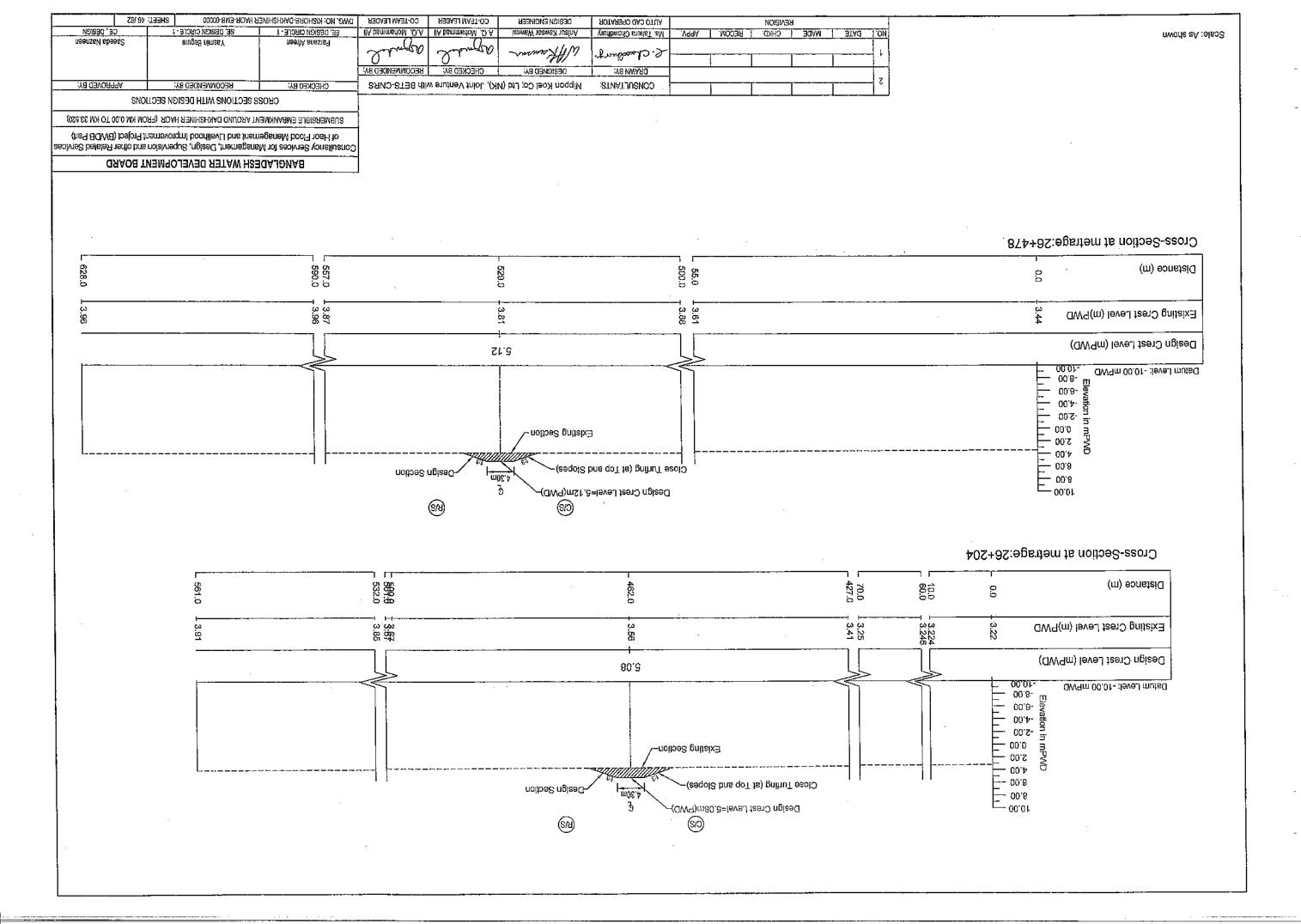
CO-TEAM LEADER CO-TEAM LEADER DWG, NO: KISHORE-DAKHSHINER HAOR-EMB-00000

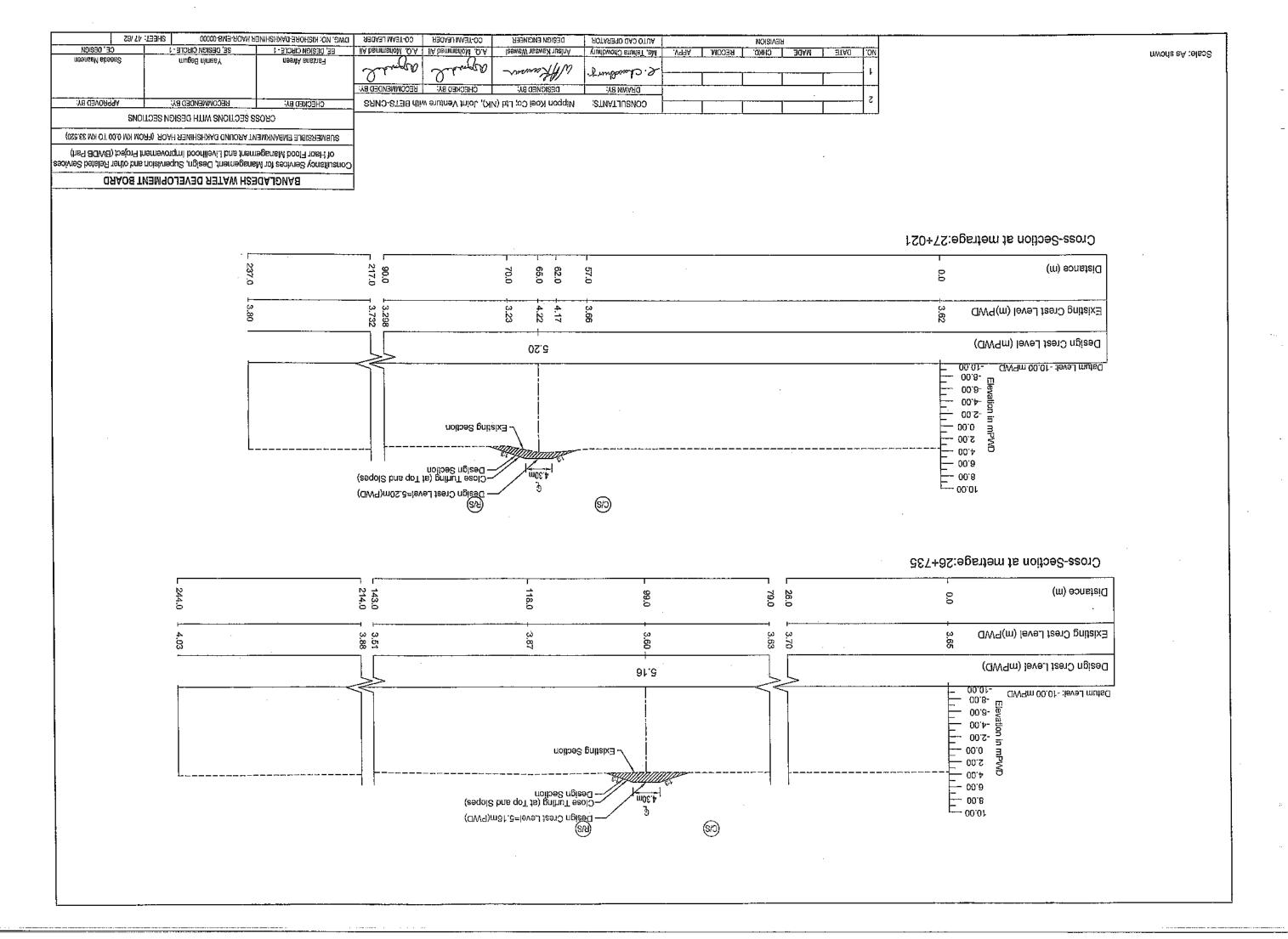


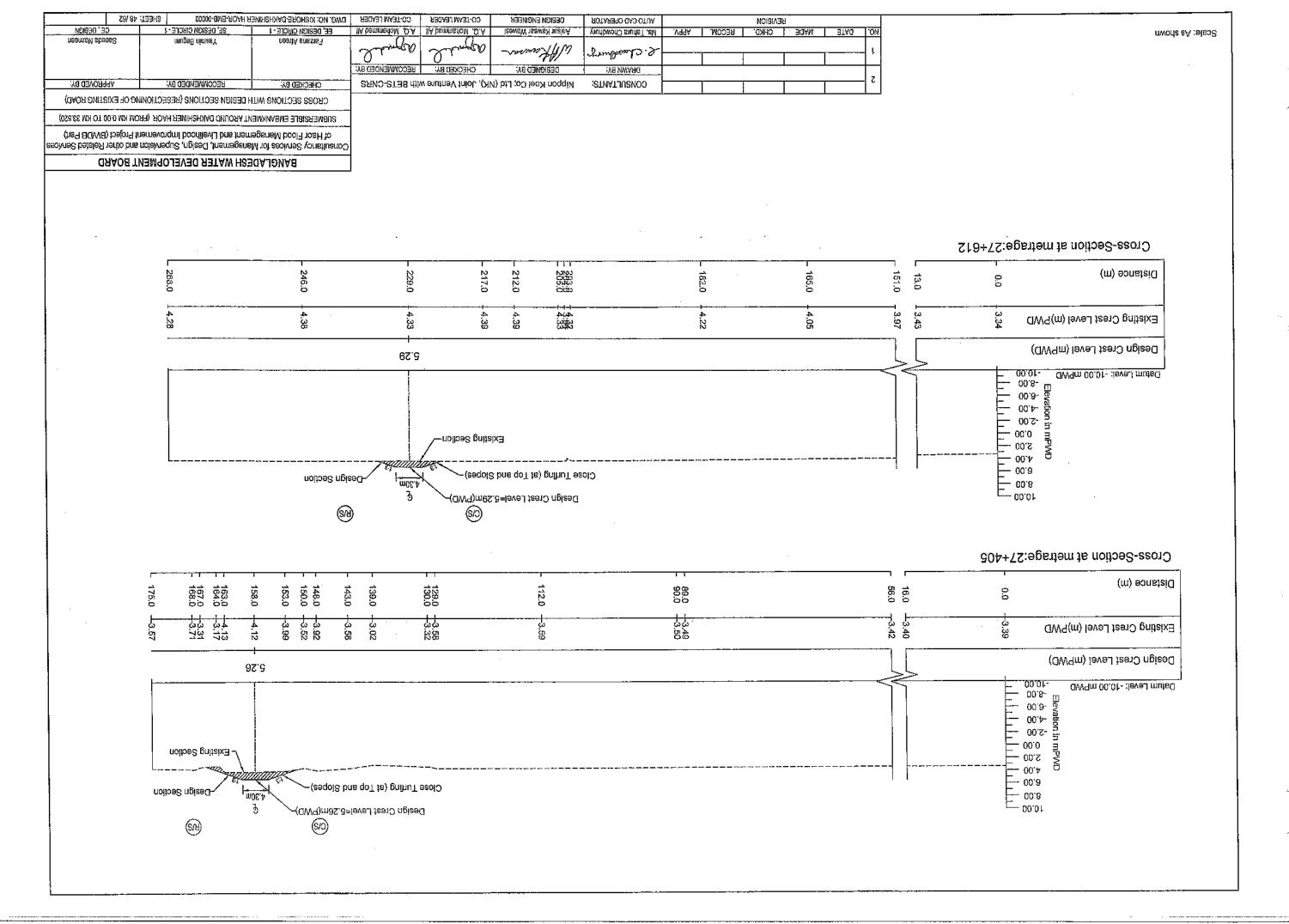


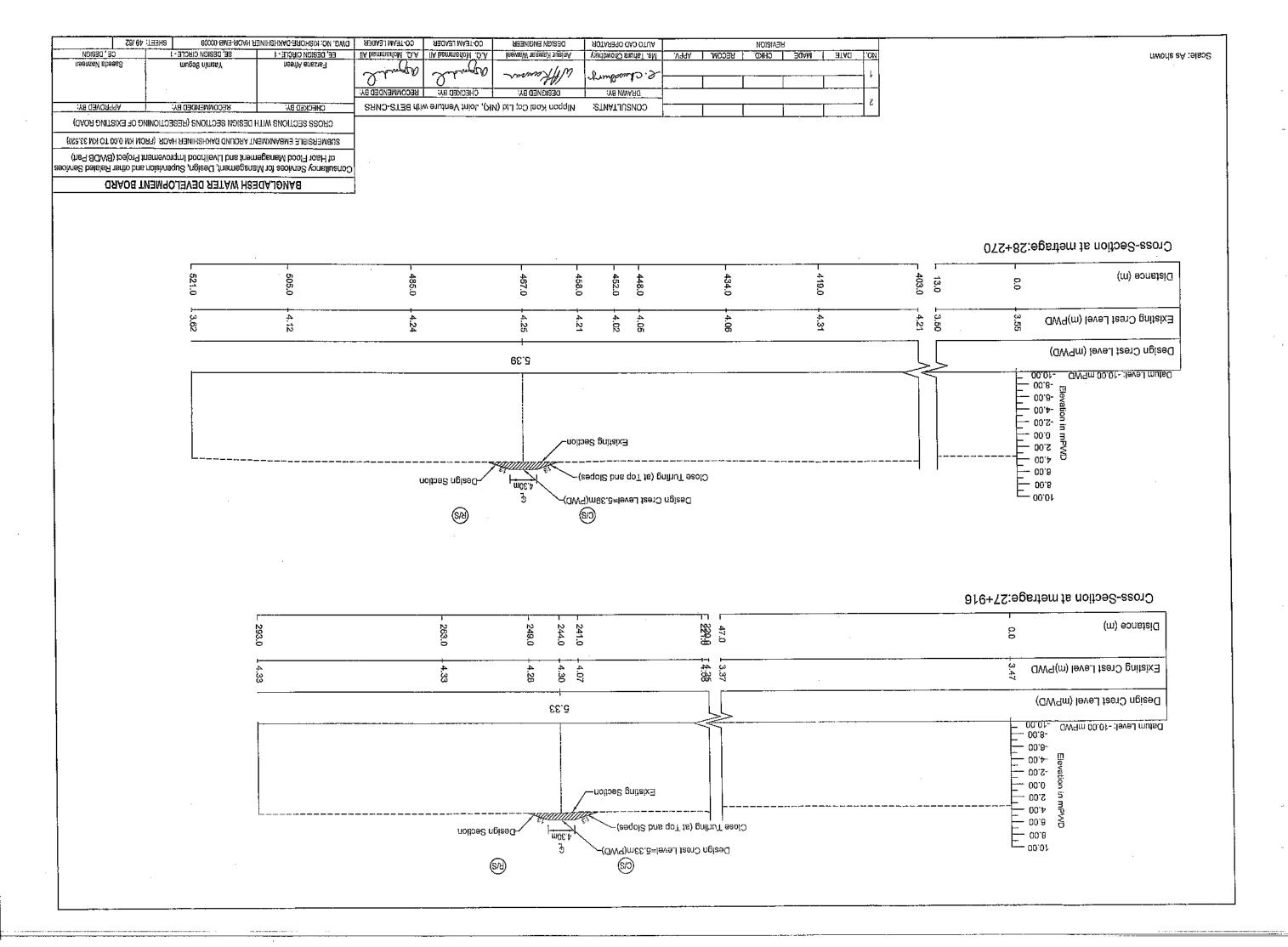


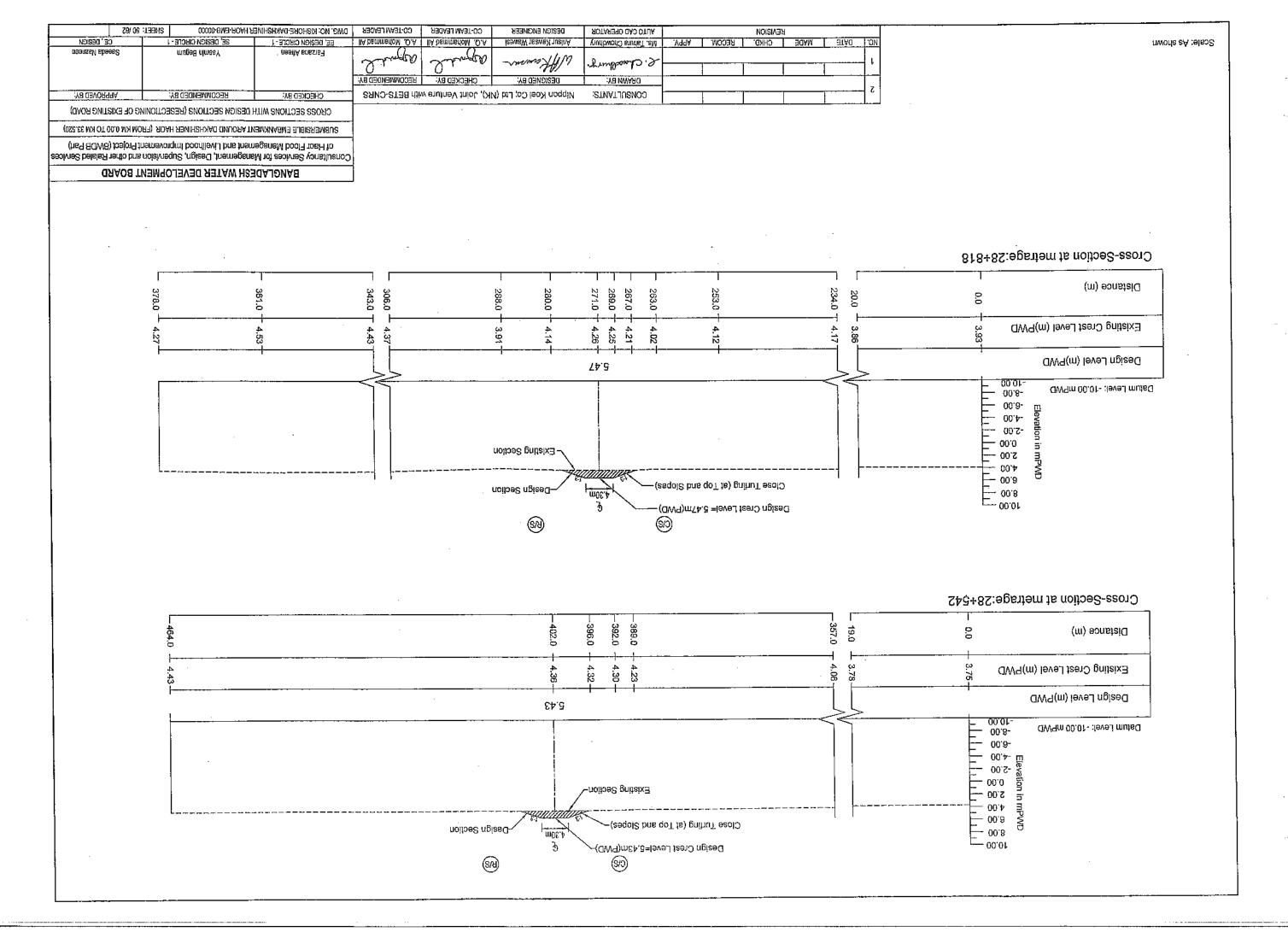


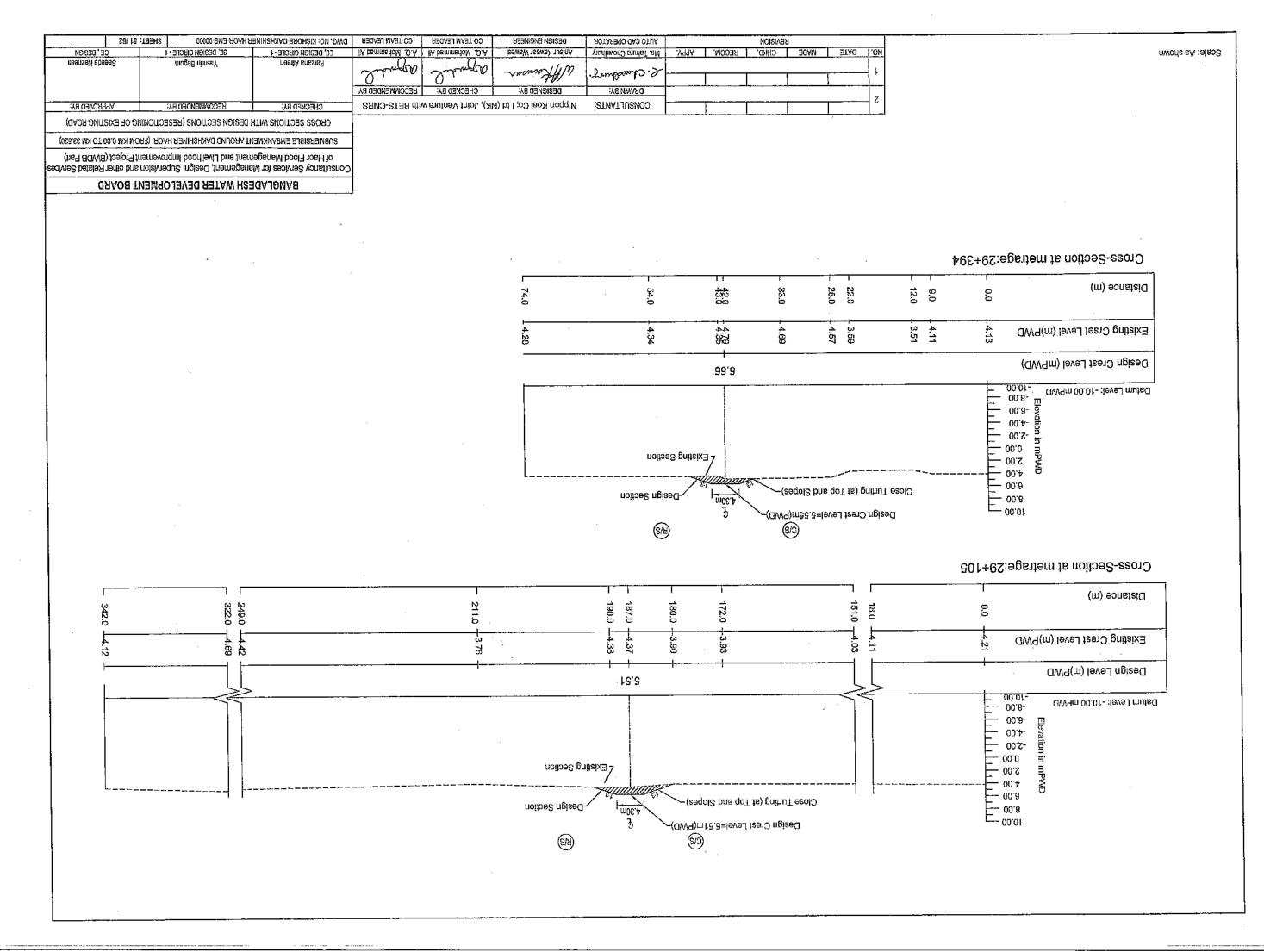


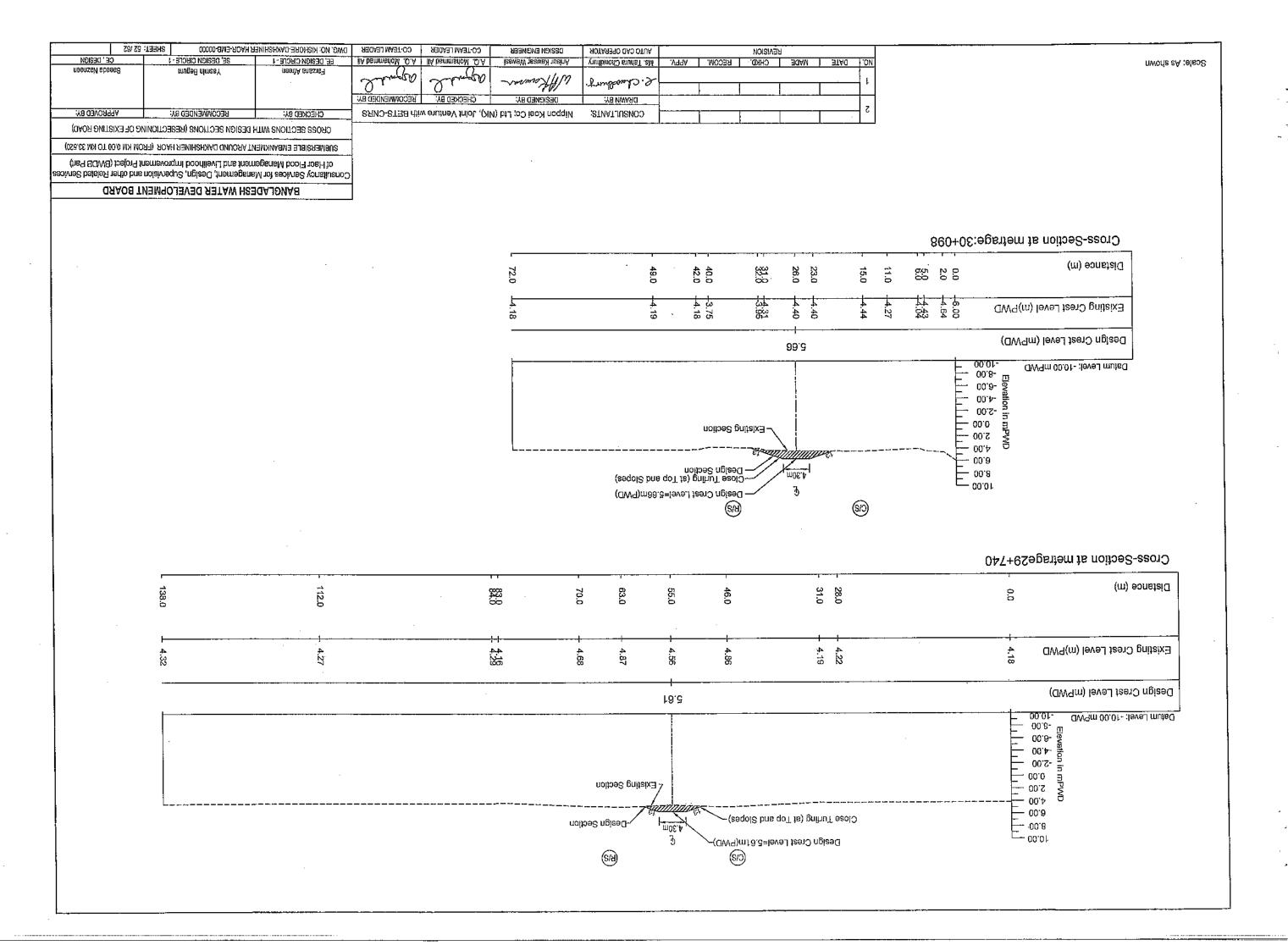


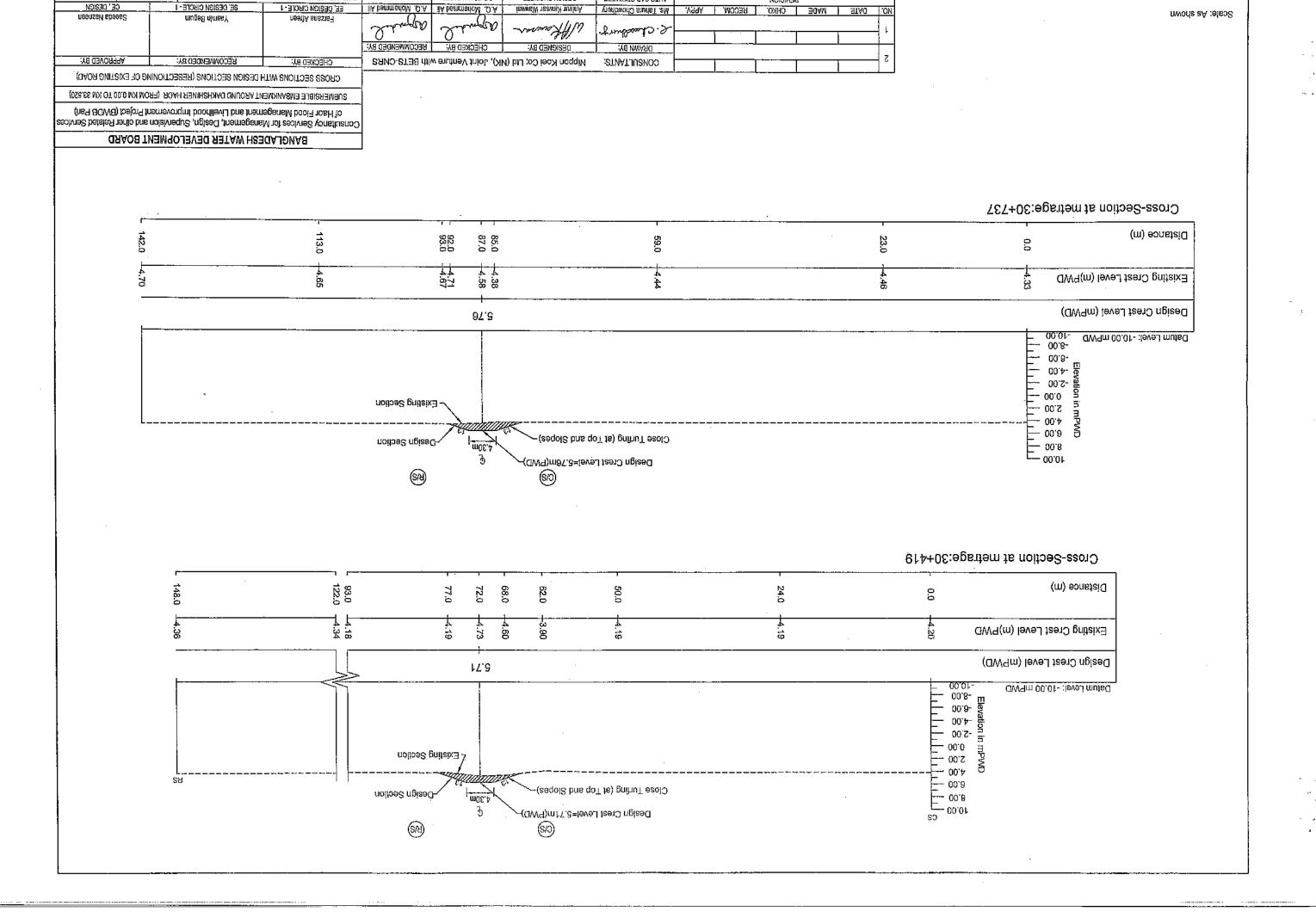












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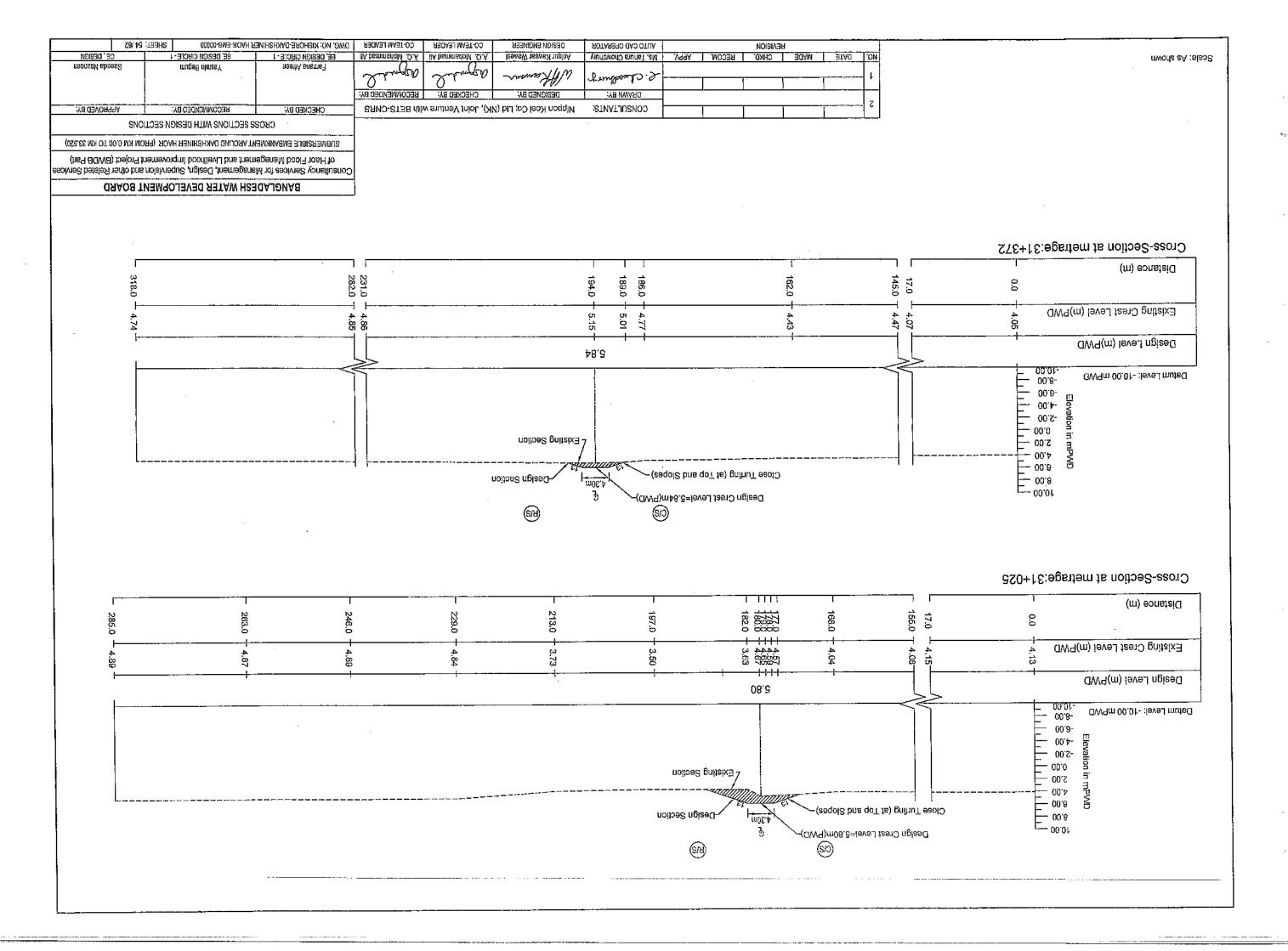
CO-TEAM LEADER DWG, NO: KISHORE-DAKHSHINER HAOR-EMB-00000

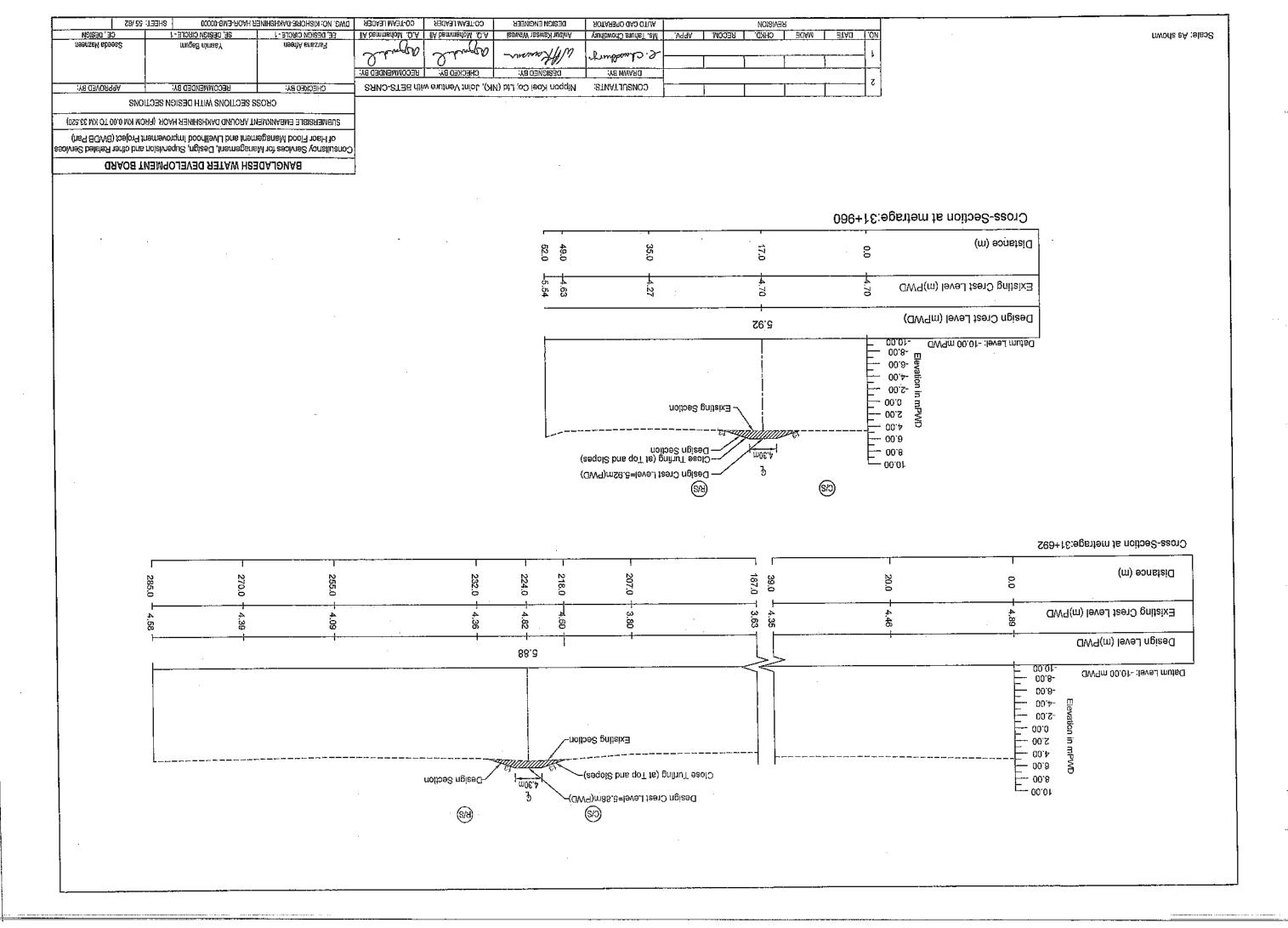
CO-TEAM LEADER

DESIGN ENGINEER

ROTARIESO DAD OTUA

REVISION





CHOC VDESH NVLES DEAE OBNEAL BOVED

Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management and Livelihood Improvement Project (BWDB Part)

DAKHSHINER HAOR SUB-PROJECT

SUBMERSIBLE TIE EMBANKMENT OF DAKHSHINER HAOR (ORIGINAL EMBANKMENT KM. 23.05 to 23.27)

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