

GENERAL NOTES


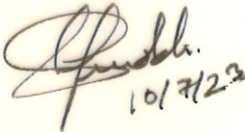

1. THE SPECIFICATION OF MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD TECHNICAL SPECIFICATION OF BWDB, IN GENERAL.
2. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL ELEVATIONS ARE IN mPWD UNLESS OTHERWISE MENTIONED IN THE DRAWINGS.
3. COMPRESSIVE STRENGTH OF REINFORCED CEMENT CONCRETE SHALL HAVE MINIMUM 28 DAYS CYLINDER STRENGTH, $f_c \geq 25.00 \text{ N/mm}^2$ AND SHALL BE CHECKED BY COLLECTING SAMPLES AND TESTING DURING CONSTRUCTION.
4. REINFORCING BAR SHALL BE DEFORMED MILD STEEL HAVING YIELD STRENGTH, $f_y \geq 400.00 \text{ N/mm}^2$. (MADE FROM BILLET) IN R.C.C. WORK.
5. CONCRETE FOR CC BLOCKS SHALL HAVE MINIMUM STRENGTH, $f_c \geq 12.00 \text{ N/mm}^2$ AT 28 DAYS.
6. CURING OF CONCRETE SHALL BE CONTINUED FOR MINIMUM 21 DAYS AFTER CASTING.
7. CONCRETE SHALL BE POURED IN DRY BED CONDITION.
8. THE SURFACE OF CONSTRUCTION JOINTS SHALL BE WASHED THOROUGHLY WITH WATER JET & SHALL BE CLEAN ENOUGH AFTER THAT, SURFACE SHALL BE DRY PRIOR TO PLACEMENT OF ADJOINING CONCRETE.
9. CONCRETE MIXTURE SHALL BE POURED AS QUICK AS POSSIBLE BUT NOT LATER THAN 45 MINUTES AFTER MIXING.
10. 75 mm LEAN CONCRETE AT BASE SHALL BE IN 1:3:6.
11. THE LEAN CONCRETE AT FOUNDATION OF THE PROPOSED REGULATOR SHALL BE PLACED AFTER PROPERLY PREPARING & COMPACTING EXCAVATED BASE.
12. CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:
 - a) Operating deck & Railing : 25mm
 - b) Concrete adjacent to earth at foundation: 75mm
 - c) Concrete adjacent to earth: 75mm
 - d) Concrete exposed to weather and water or others: 75mm
 - e) Beam: 40mm
13. MINIMUM LAP LENGTH SHALL BE 40 TIMES THE BAR DIAMETER.
14. LAP SHALL BE STAGGERED SO THAT NOT MORE THEN 50% OF BARS ARE LAPPED IN ANY ONE CROSS SECTION. WHERE BARS MUST LAPPED IN ONE CROSS SECTION, THEN LAP LENGTH SHALL NOT BE LESS THEN 1.30 TIMES MINIMUM LAP LENGTH.
15. REINFORCING BAR MUST BE SUPPORTED IN ITS PROPER POSITION BY USE OF MORTAR BLOCK, SUPPORTS OR BY OTHERS APPROVED MEANS.
16. SAND FILLING IN FOUNDATION SHOULD BE DONE WITH SAND OF F.M ≥ 1.50 IN LAYERS OF 150 mm THICK LAYER BY LAYER AND COMPACTED TO ATTAIN MINIMUM 50% RELATIVE DENSITY.
17. UNLESS OTHERWISE SPECIFIED, BACK FILLING SHALL BE DONE WITH SAND (F.M ≥ 0.80) FREE FROM VEGETABLE ROOTS AND ORGANIC MATTER, BACK FILLING FOR U-SHAPED WALL SHALL BE DONE SIMULTANEOUSLY ON BOTH WALLS.
18. DESIGN OF GATE AND HOISTING SYSTEM WILL BE PREPARED BY DESIGN CIRCLE-III, BWDB, DHAKA.
19. GATE TO BE OPERATED IN CONTROLLED WAY TO AVOID ANY SCOUR WHEN HEAD DIFFERENCE IS BEYOND 0.60m.
20. THE EMBEDDED PARTS OF GATE TO BE INSTALLED DURING CONSTRUCTION OF BARREL PART AND IT SHALL BE DONE IN ACCORDANCE WITH APPROVED MECHANICAL DRAWING.
21. THE GATE SHALL BE INSTALLED BEFORE THE OPERATION OF THE STRUCTURE.
22. ANY ERROR/OMISSION IF DETECTED SHALL BE REFERRED TO THE CONCERNED DESIGN OFFICE TAKING NECESSARY ACTION.
23. ALL BORE HOLES SHALL BE SEALED BEFORE CONSTRUCTION OF REGULATOR.

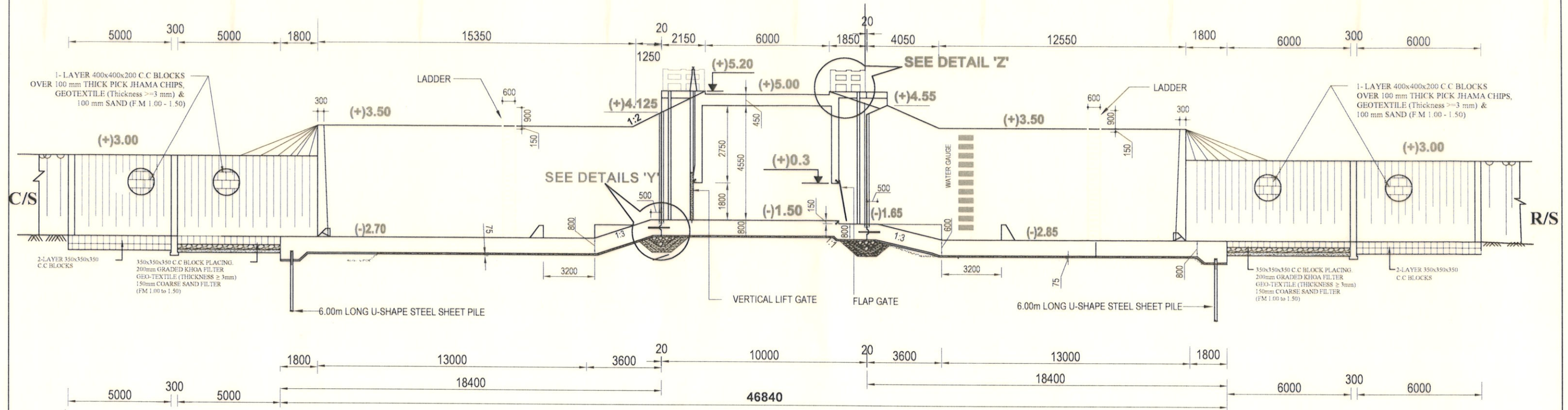
SPECIAL NOTES:

1. THIS DRAWING IS PREPARED AS PER PROPOSAL AND DESIGN DATA SUBMITTED BY SE, KHULNA O&M CIRCLE, BWDB, KHULNA VIDE HIS OFFICE MEMO NO: 831, DATE:09-02-2022 AND ADDITIONAL BORELOG DATA DATA RECEIVED DATE: 07-12-2022 FROM EE, SATKHIRA O&M DIVISION-2 BWDB, SATKHIRA.
2. THIS PAGE OF DRAWING SUPERSEDES THE PAGE OF PREVIOUSLY APPROVED DRAWING (DRAWING NO : DC-8-0377-05/23; DATED: 15-05-2023). SO THE PREVIOUSLY APPROVED PAGE OF DRAWING (DRAWING NO : DC-8-0377-05/23; DATED: 15-05-2023) WILL BE TREATED AS VOID.

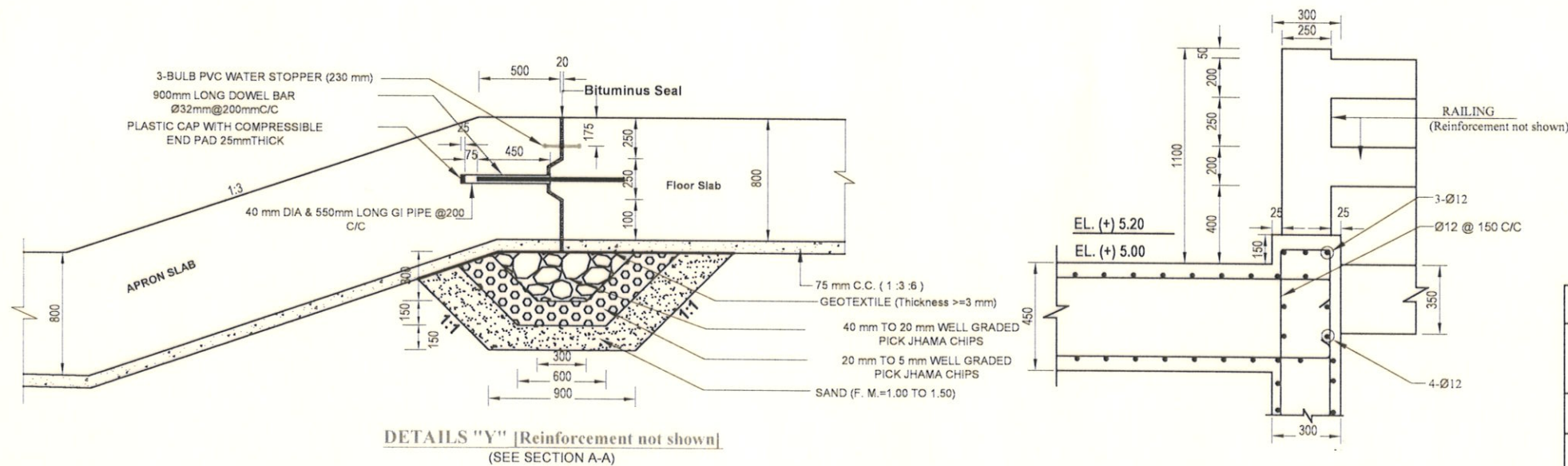
NOTES FOR SHEET PILES:

1. HOT ROLLED SHEET PILE SHALL BE USED. COLD ROLLED SHEET PILE SHALL NEVER BE USED.
2. COATING SHALL BE PROVIDED OVER SHEET PILE IN THE FOLLOWING WAY :-
 - i) CLEAN THE SHEET PILE SURFACE PREFERABLY WITH SAND BLASTING.
 - ii) PROVIDE 1 (ONE) COAT OF ZINK PHOSPHATE AS PRIMARY COAT,
 - iii) PROVIDE 2 (TWO) COAT OF COALTAR EPOXY COAT OVER PRIMARY COAT.
3. THICKNESS OF SHEET PILE SHALL BE 10.50mm (± 0.50 mm)
4. CONCERNED EXECUTIVE ENGINEER MUST ENSURE SHEET PILE LOCKING & LENGTH.
5. TOP LEVEL OF EVERY CONNECTED SHEET PILES MUST HAVE SAME LEVEL.

Bangladesh Water Development Board	
Office of the Superintending Engineer Design Circle-8	
DRAINAGE IMPROVEMENT OF POLDER NO.1, 2, 6-8 & 6-8 (Ext) IN SATKHIRA DISTRICT	
DESIGN OF REGULATOR 3-VENT (1.50mX1.80m) AT KHEJURDANGI BRANCH KHAL AT Km. 11.00 IN POLDER NO- 6-8 IN SATKHIRA DISTRICT UNDER SATKHIRA O&M DIVISION-2 , BWDB , SATKHIRA.	
NOTES	
DESIGNED BY :  (SAKTIB BIN RAFI), AE	APPROVED BY :  10/7/23 (MOHAMMAD SAIF UDDIN), SE
CHECKED & APPROVED BY :  (JAKARIA PERVEZ), EE	
DATE:10/07/2023	
DWG. NO.:DC-8-0377(ADDITIONAL-1)-01/01	


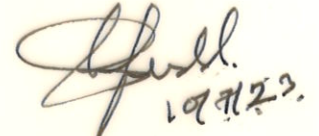



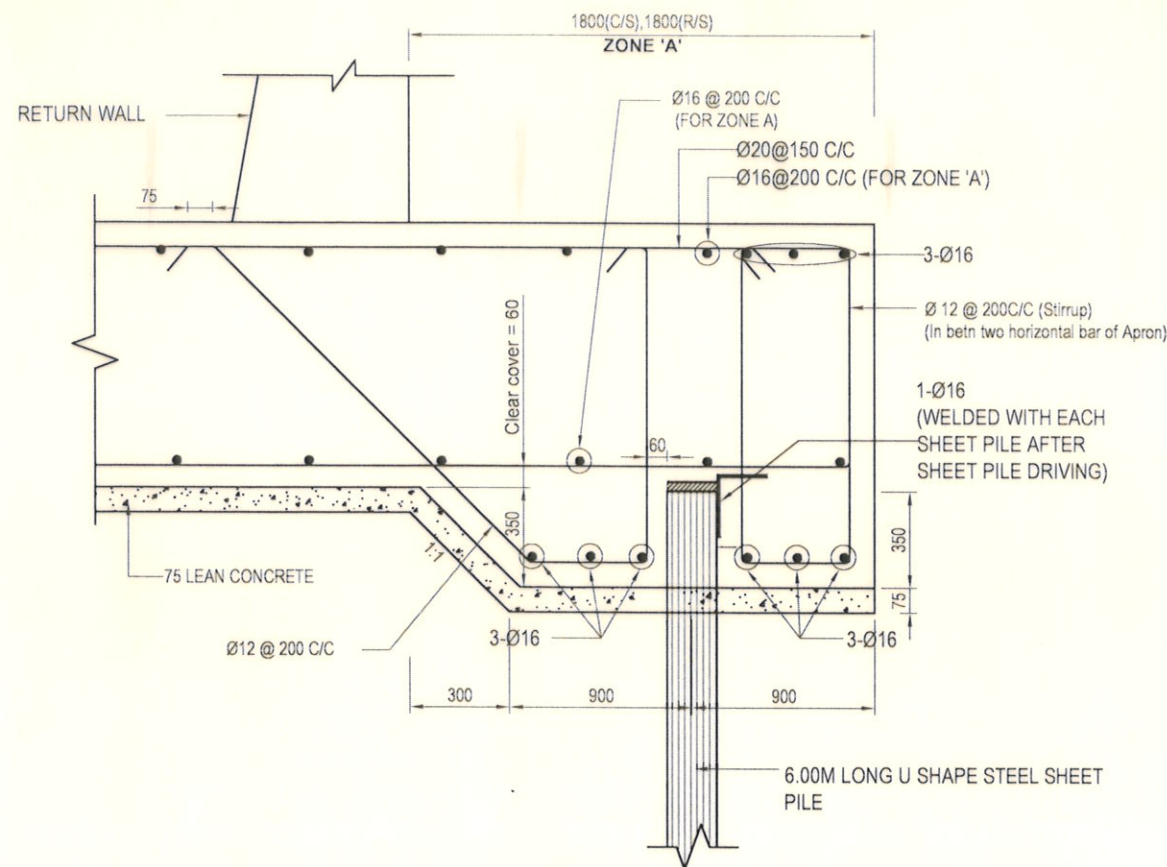
SECTIONAL ELEVATION (SECTION A-A)

DETAILS "Y" [Reinforcement not shown]
(SEE SECTION A-A)DETAILS "Z"
(SEE SECTION A-A)**SPECIAL NOTES:**

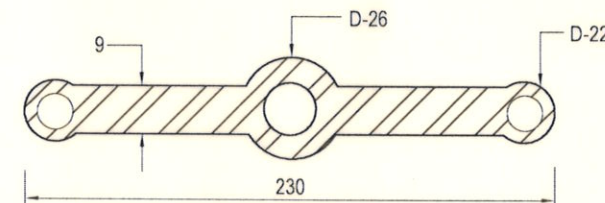
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Scale : Not To Scale

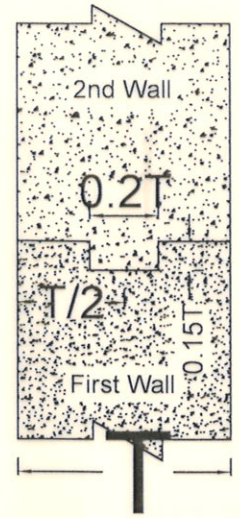
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SECTIONAL ELEVATION & DETAILS	
DESIGNED BY :  (SAKIB BIN RAFI), AE	APPROVED BY :  (MOHAMMAD SAIF UDDIN), SE
CHECKED & APPROVED BY :  (JAKARIA PERVEZ), EE	
DATE:10/07/2023 DWG. NO.:DC-8-0377(ADDITIONAL-2)-02/02	



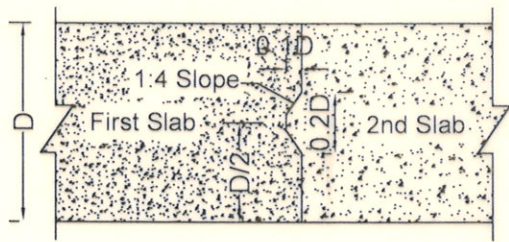
**DETAILS OF SHEET PILE CAP
(UNDER APRON)
(SECTION S-S)**



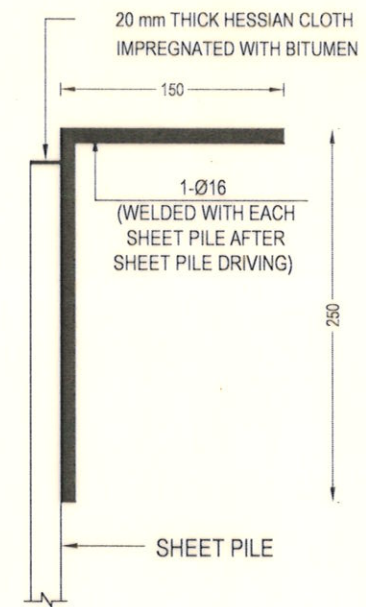
**DETAILS OF P.V.C WATER
STOPPER**



**DETAILS OF CONSTRUCTION
JOINT (FOR WALL)**



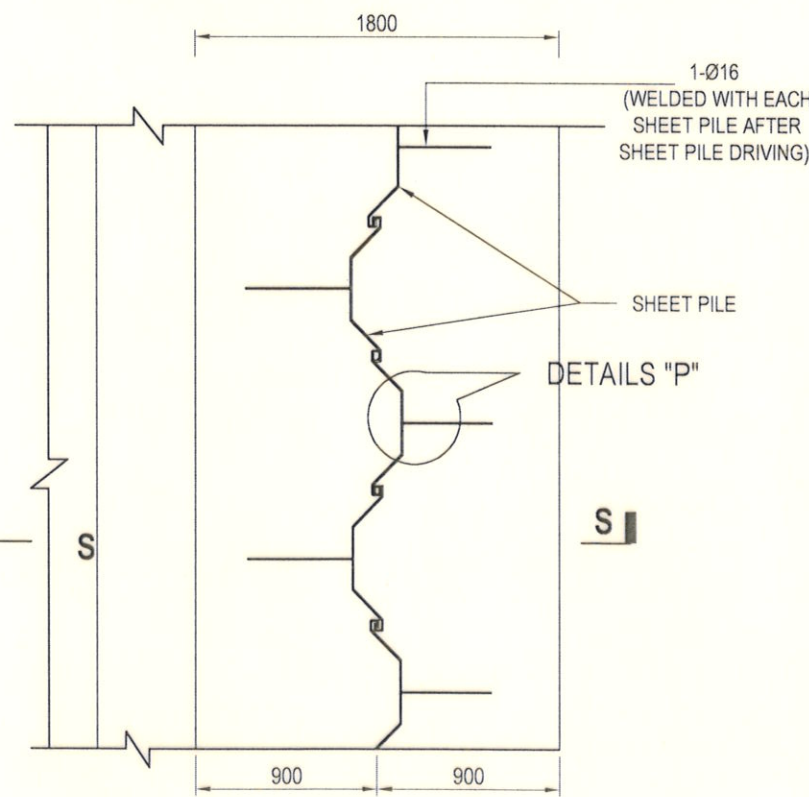
**DETAILS OF CONSTRUCTION
JOINT (FOR SLAB)**



DETAILS 'P'

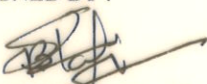
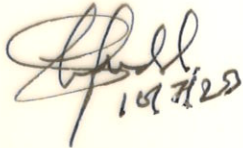
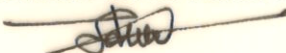
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LAYOUT PLAN OF SHEET PILE

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DETAIL OF SHEET PILE & OTHERS	
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CHECKED & APPROVED BY :  (JAKARIA PERVEZ), EE	
DATE:10/07/2023 DWG. NO.:DC-8-0377(ADDITIONAL-3)-03/03	