

SHORING DETAIL PLAN VIEW  
SCALE 1:20

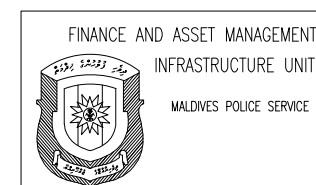
## FOUNDATION PROTECTION METHOD

SCALE 1:20

### METHOD OF PROTECTING ADJACENT STRUCTURES DURING EXCAVATION FOR FOUNDATION

WHERE ADJACENT BUILDING IS LESS THAN 3 STORIES HIGH OR WHERE ADJACENT FOUNDATION IS BELOW THE DEPTH OF THE PROPOSED FOUNDATION

- 1- BEFORE THE LEVEL OF EXCAVATION REACHES THE BOTTOM OF THE ADJACENT FOUNDATION, PLACE THE STEEL PLATE AGAINST THE ADJACENT PROPERTY' AND  
DRIVE THE UPRIGHT G.I PIPES (WITH THE UPVC SLEEVES) INTO THE GROUND.
- 2- DRIVE THE STEEL PLATES 400-500 mm INTO THE GROUND
- 3- EXCAVATE ANOTHER 300mm DEEPER.
- 4- DRIVE THE STEEL PLATE ANOTHER 300mm DEEPER.
- 5- FOLLOW THIS PROCEDURE UNTIL THE REQUIRED DEPTH (AS SHOWN IN THE DIAGRAM) IS REACHED.
- 6- PROP THE G.I PIPES USING WALING AND RAKING SHORES AS SHOWN IN THE DIAGRAM.
- 7- POUR THE FOUNDATION.
- 8- AFTER 3 DAYS REMOVE THE UPRIGHT G.I PIPES AND PLACE THE WALING AGAINST THE STEEL SHEET, USING RAKING SHORES AS BEFORE.
- 9- GROUT THE SPACE INSIDE UPVC PIPES.
- 10- WHILE BACKFILLING, REMOVE STEEL SHEETS AND RAKING SHORES.



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| PROJECT TITLE:                            |
| ISLAND LEVEL POLICE STATION<br>CELL BLOCK |

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| APPROVED |
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| DESIGN APPROVED BY: |
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| RECOMMENDATION APPROVED |
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| ARCHITECT/DESIGNER                  | DRAFTED BY                           |
|-------------------------------------|--------------------------------------|
| ASSISTANT DIRECTOR<br>AHMED SADHEEM | SUB INSP OF POLICE<br>MOHAMED FALAAH |

| STRUCTURAL ENGINEER          | DRAFTED BY                           |
|------------------------------|--------------------------------------|
| SUB INSP OF POLICE<br>FAZEEN | SUB INSP OF POLICE<br>MOHAMED FALAAH |

| CHECKED BY                          | CHECKED BY                        |
|-------------------------------------|-----------------------------------|
| ASSISTANT DIRECTOR<br>AHMED SADHEEM | SUB INSP OF POLICE<br>AHMED NIZAL |

| ARCHITECTURAL DRAWINGS |                    |
|------------------------|--------------------|
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