

SPRING #1 SUGGESTED CONSTRUCTION SEQUENCE NOTES

1. INSTALL A SMALL COFFERDAM OR BARRIER AND BYPASS PUMP TO DIVERT SPRING WATER FROM WORK AREA.
2. DIRECT ALL SPRING WATER TO SULPHUR CREEK SPRING WITHOUT ENTERING THE SPRING ROOM.
3. DURATION OF NEW CONSTRUCTION, SPRING WATER WITH MUDSILT CANNOT BE ALLOWED TO ENTER SULPHUR CREEK.
4. THE EXISTING STRUCTURE AND DISCHARGED TO THE GROUND.
5. COSE SETTING.
6. REMOVE EXISTING INTAKE SCREEN & INSTALL A TEMPORARY INTAKE SCREEN TO PREVENT ANY DEBRIS FROM ENTERING PIPE DURING CONSTRUCTION.
7. REMOVE ALL MUD, SILT AND LOOSE DEBRIS FROM WITHIN THE SPRING ROOM.
8. CONTRACTOR WHERE TO PLACE ALL REMOVED MUD AND DEBRIS.
9. THOROUGHLY CLEAN ALL EXISTING CONCRETE WALL SURFACES IN CONTACT WITH NEW CONCRETE WALLS TO BARE CONCRETE.
10. REMOVE EXISTING BYPASS PIPE, WOOD WELL WITHIN SPRING ROOM.
11. FORM, REINFORCE AND PLACE NEW CONCRETE AS PER DRAWINGS.
12. RE-INSTALL INTAKE SCREEN, COFFERDAM/BARRIER SLOWLY ALLOWING CISTERN TO FILL WITH MINIMAL DISTURBANCE.
13. ALLOW SPRING WATER TO FLOW INTO SPRING ROOM AND INTO OVERFLOW PIPE TO ALLOW SETTLING AND DEBRIS TO SETTLE.
14. RETURN SPRING WATER VALVE IN SPRING ROOM.
15. RETURN SPRING WATER VALVE TO WORKING ORDER.

No.	Date/Date	Description/Description	Checked/Contrôle	Approved/Approuvé
1	20150712	ISSUED FOR TENDER	SR	DS
2	20150712	ISSUED FOR 50% REVIEW	SR	DS

ASSOCIATED ENGINEERING
QUALITY MANAGEMENT

Signature: [Signature]
Date: 2015/07/12

APEGA Permit to Practice P 3979

No.	Date/Date	Description/Description	Checked/Contrôle	Approved/Approuvé
1	20150712	ISSUED FOR TENDER	SR	DS
2	20150712	ISSUED FOR 50% REVIEW	SR	DS

Associated Engineering

Professional Engineer
Alberta
2015/07/12

Client: [Client Name]
Project: [Project Name]

Canada

Parks Canada
Agence
Western and Northern Region
du Canada

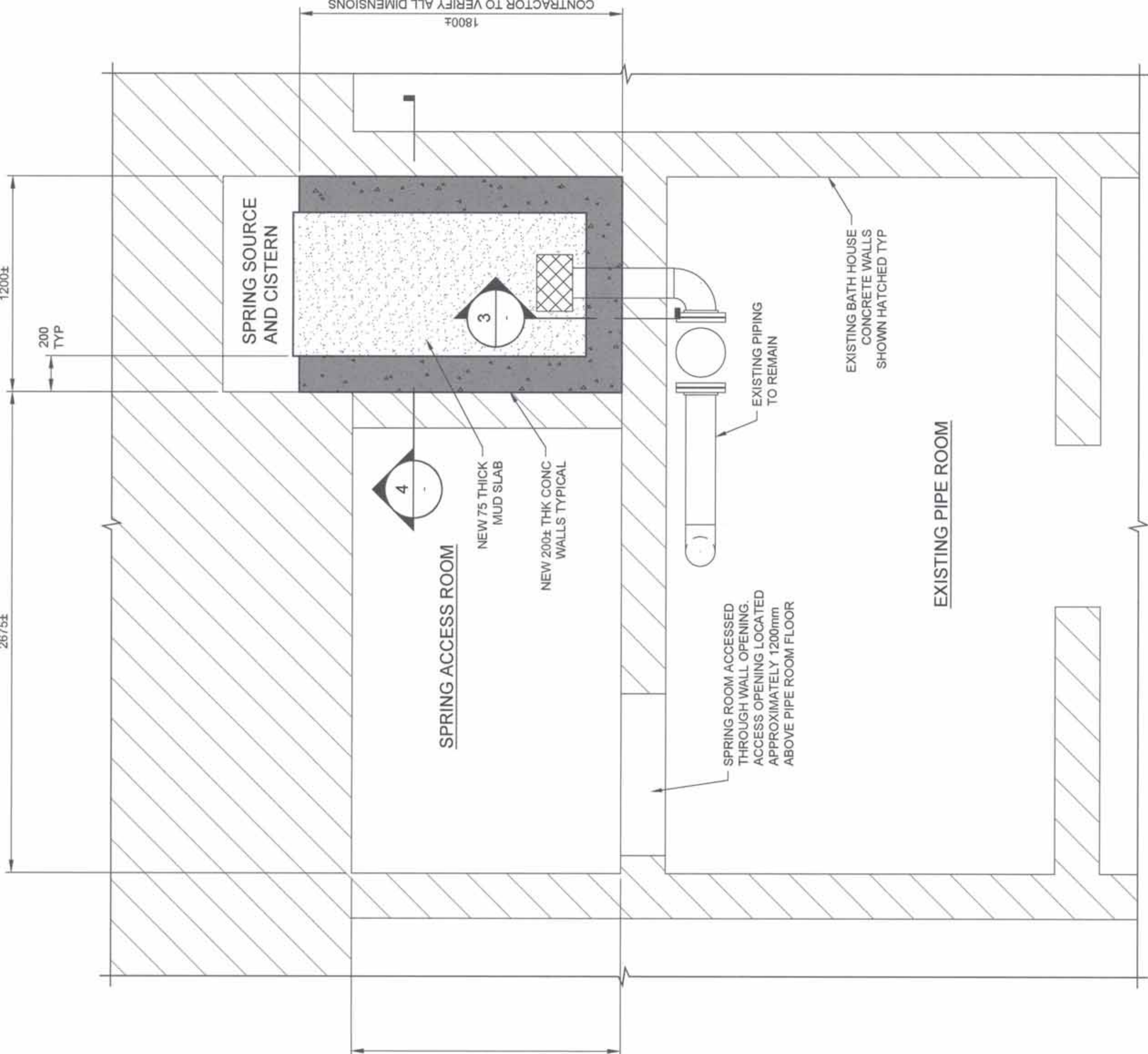
Project Name/Type du projet
MIETTE HOT SPRINGS
SPRING SOURCE AND
INTAKE CISTERN REPAIR
JASPER NATIONAL PARK

Spring #1 REPAIR PLANS
SECTIONS AND DETAILS

Drawn by/Type du dessin
S. ROOT
2015/Aug/11
Reviewed by/Revisé par
M. PALLSEN
AS SHOWN

Client Acceptance/Acceptation du client
Approved by/Approved par
A. CHAMBERS

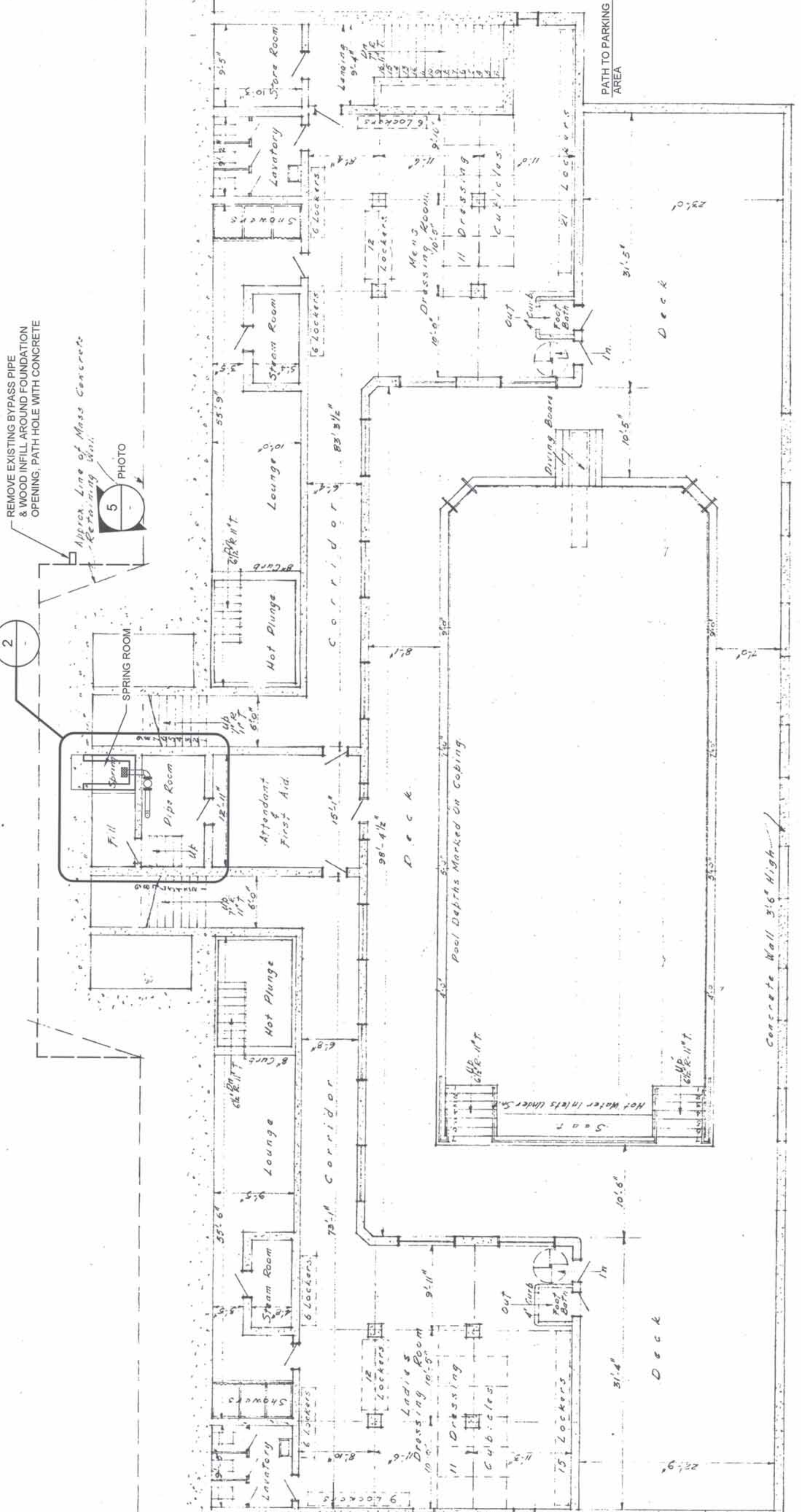
Project No./No. du projet
3
Drawing Reference No./No. de référence de dessin
S-03



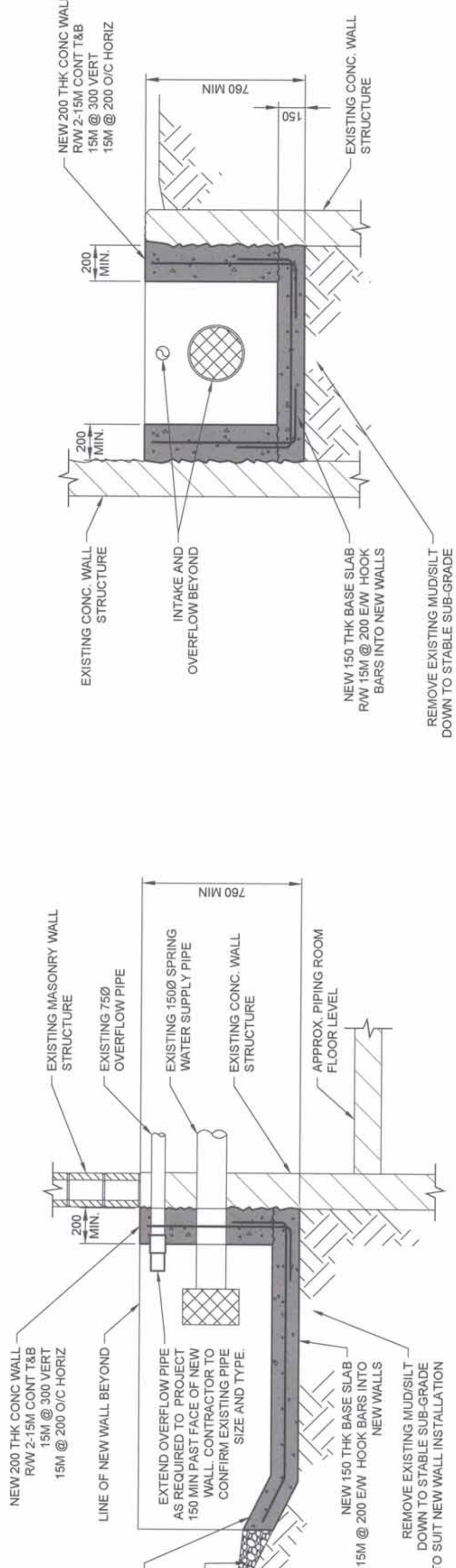
2 DETAIL
1:20
SPRING ROOM PLAN



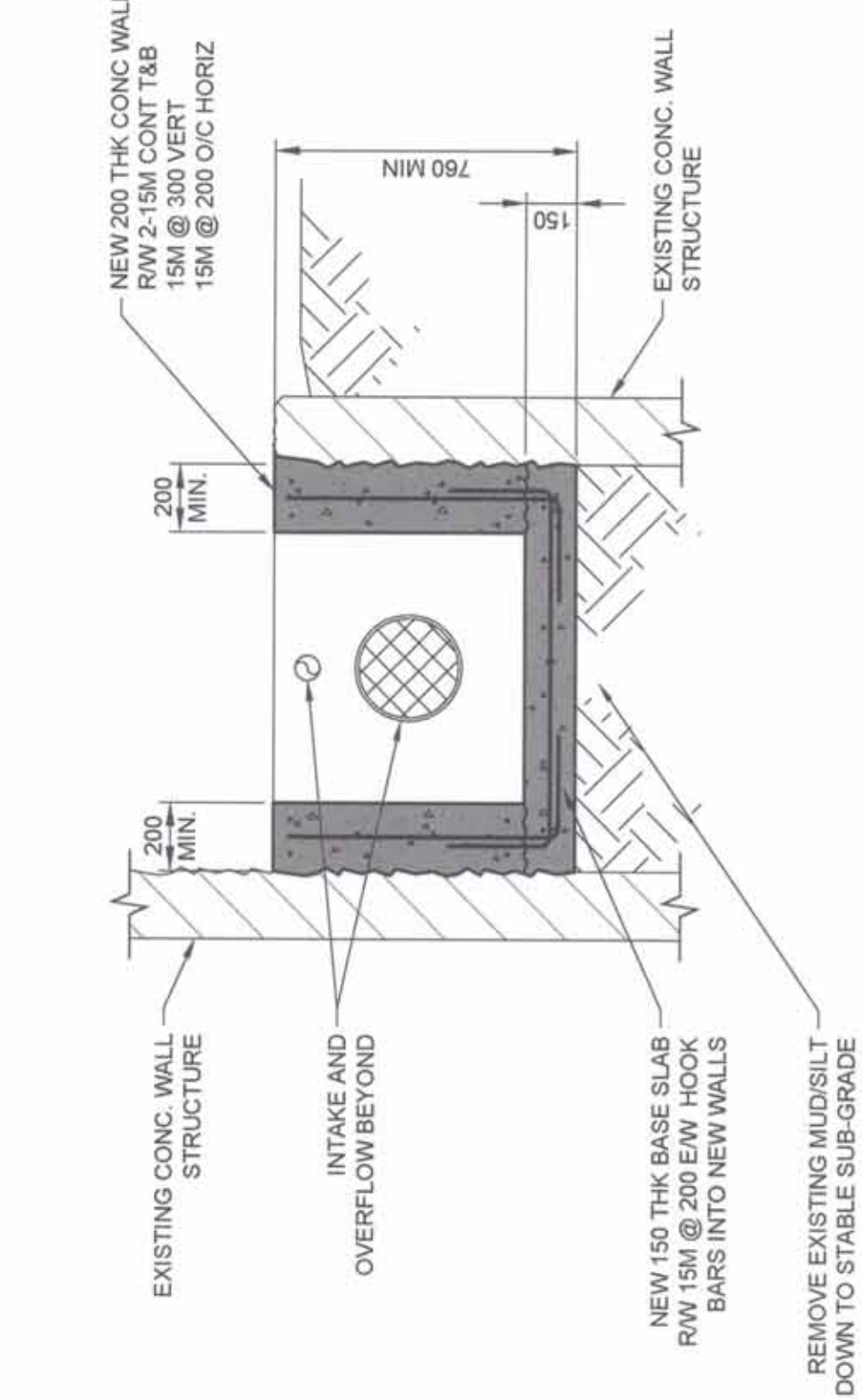
6 PHOTO
1:20



1 PLAN
1:100
ORIGINAL BATH HOUSE



3 SECTION
1:20



4 SECTION
1:20

GENERAL NOTES

1. REFERENCE SPECIFICATIONS:
 1. CANADIAN STANDARD FOR CONCRETE STRUCTURES
 2. CANCSA A23.1 'CONCRETE MATERIALS AND METHODS OF CONSTRUCTION'
 3. CANADIAN STANDARD FOR SAFETY IN DEMOLITION OF STRUCTURES
 4. ALBERTA BUILDING CODE, LATEST EDITION
2. CONTRACTOR SHALL CHECK ALL DIMENSIONS AND DETAILS PRIOR TO CONSTRUCTION TO ENSURE COMPATIBILITY. ANY DISCREPANCIES OR DESIRED MODIFICATIONS SHALL BE REPORTED TO THE ENGINEER. ALL WORK SHALL BE IN ACCORDANCE WITH THE ALBERTA BUILDING CODE, LATEST EDITION.
3. REINFORCED CONCRETE:
 1. CONCRETE
 2. CONCRETE STRENGTH: AS PER SPECIFICATIONS
 3. ALL CONCRETE SHALL BE CAST AND CURED IN ACCORDANCE WITH CSA A23.1 A23.2
 4. CONCRETE TO BE CURED AS PER A23.1
 5. CONCRETE SHALL BE COVERED TO HAVE XYPEX/ADMIX C-1000 ADDED AT TIME OF CONCRETE MIXING
4. REINFORCEMENT:
 1. ALL CONCRETE REINFORCEMENT IN ACCORDANCE WITH CSA S308
 2. ALL REINFORCING BARS TO BE STAINLESS STEEL REINFORCEMENT
 3. DISPLACEMENT DURING CONCRETE PLACING SUPPORT SHALL BE REMOVED PRIOR TO CASTING CONCRETE
 4. REINFORCING STEEL MANUFACTURED BY CANADIAN MANUFACTURERS OR REINFORCING STEEL MANUFACTURED BY OTHER MANUFACTURERS OR USE CLASS B 9 PLUCE UNLESS SHOWN OTHERWISE ON DRAWINGS
 5. OTHERWISE 50 mm COVER FOR REINFORCEMENT UNLESS NOTED OTHERWISE
5. TIMBER:
 1. DESIGN, FABRICATION, ERECTION AND OTHER CONSTRUCTION
 2. ALL NON-ENGINEERED WOOD TO BE SPF NO. 1 AND 2 AND BE PRESSURE TREATED TO RESIST DECAY AND TERMITES
 3. MEETING THE REQUIREMENTS OF THE CURRENT VERSIONS OF CANCSA S8 AND CANCSA S80
 4. ALL TIMBER FASTENERS TO BE STAINLESS STEEL
6. CO-ORDINATION:
 1. ALL DIMENSIONS ON THE DRAWINGS ARE IN MILLIMETERS (mm), UNLESS NOTED OTHERWISE

