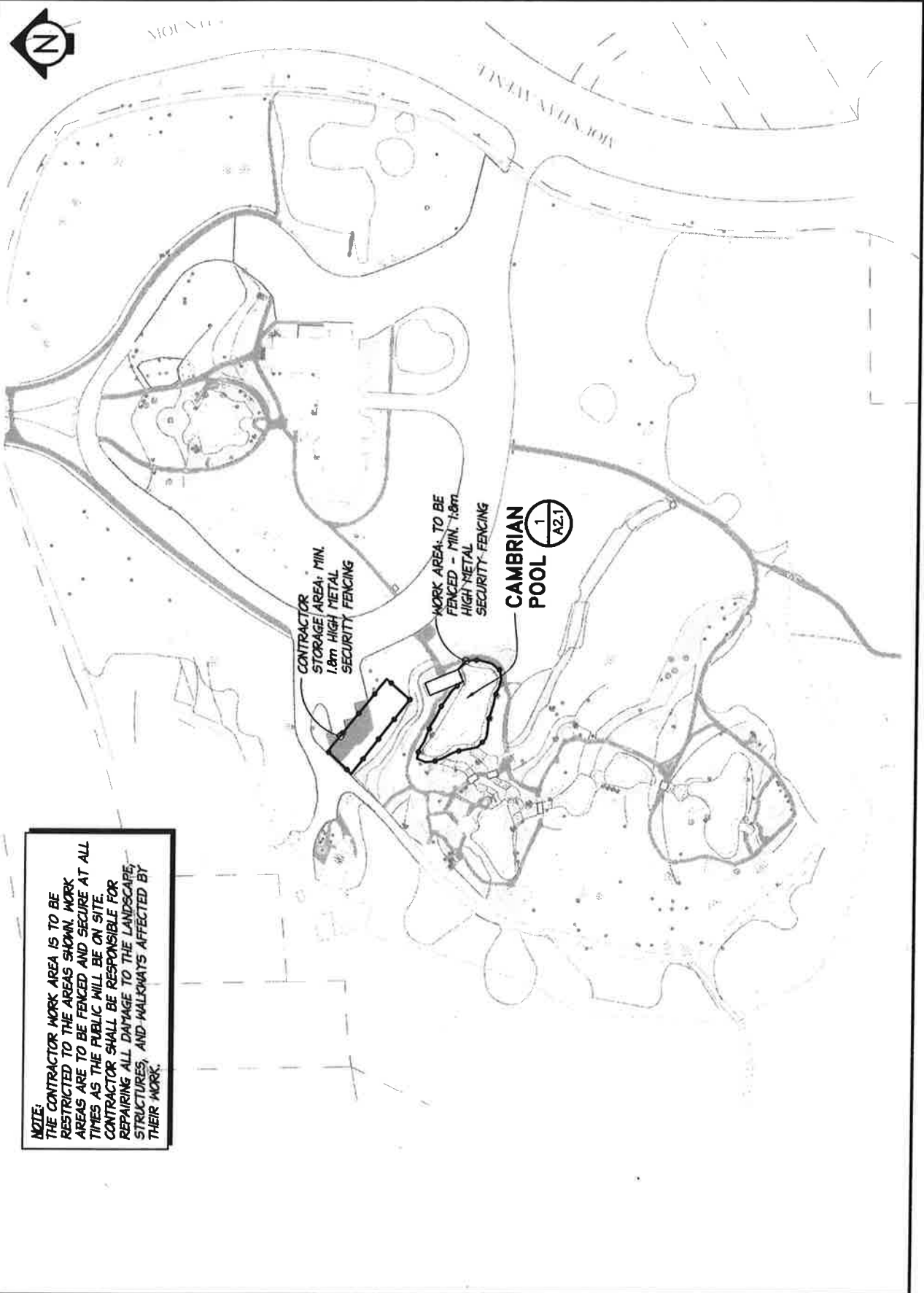






Project No.	2670
Drawing No.	A1.1
Date:	APRIL 2014
SCALE:	1 : 1000

Project Name: CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA
Drawing Title: OVERALL SITE PLAN



NOTE:
THE CONTRACTOR WORK AREA IS TO BE RESTRICTED TO THE AREAS SHOWN. WORK AREAS ARE TO BE FENCED AND SECURE AT ALL TIMES AS THE PUBLIC WILL BE ON SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGE TO THE LANDSCAPE, STRUCTURES, AND WALKWAYS AFFECTED BY THEIR WORK.

CASCADE GARDENS BANFF, ALBERTA

CAMBRIAN POOL REHABILITATION ISSUED FOR TENDER APRIL 2014

DRAWING LIST

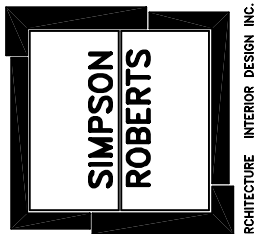
ARCHITECTURAL
**SIMPSON ROBERTS ARCHITECTURE
 INTERIOR DESIGN INC.**
 1409 6th Street N.W.
 Calgary, Alberta T2M 3E7
 Tel : (403) 265-1313
 lornegsimpson@simpsonroberts.com

STRUCTURAL:
**QUINN SARETSKY STRUCTURAL
 ENGINEERING INC.**
 89 Hounslow Dr. N.W.
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 choc@quinnsaretsky.com

- A0.0 COVER SHEET & LIST OF DRAWINGS**
- A0.1 GENERAL NOTES**
- A1.1 OVERALL SITE PLAN**
- A2.1 AS-FOUND PLAN**
- A2.2 AS-FOUND DETAIL PLAN**
- A2.3 REHABILITATED PLAN**
- A2.4 AS-FOUND PLAN / REHABILITATED PLAN**
- A3.1 ORIGINAL SEQUENCE OF CONSTRUCTION**
- A3.2 ANALYSIS OF EXISTING CONSTRUCTION**
- A3.3 REHABILITATION SCOPE OF WORK & DETAIL**
- A3.4 AS-FOUND SECTION & REHABILITATED SECTION**
- A3.5 AS-FOUND SECTION**
- A4.1 THRU A4.14 AS-FOUND PHOTO REFERENCE**
- A5.1 HISTORIC CONSTRUCTION PHOTO REFERENCE**
- A5.2 THRU A5.9 HISTORIC PHOTO REFERENCE (2004 REPAIRS)**

- S0.1 STRUCTURAL NOTES**

NOTE:
 ALL CONSERVATION WORK IS TO BE PERFORMED IN
 ACCORDANCE WITH THE STANDARDS & GUIDELINES
 FOR THE CONSERVATION OF HISTORIC PLACES IN
 CANADA



SCALE:	n/a
Date:	APRIL 2014
Project No.	2670
Drawing No.	A0-0

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
 REHABILITATION
 BANFF, ALBERTA**

Drawing Title
COVER SHEET & LIST OF DRAWINGS

Filename: S:\2670 Cascade Gardens\2670 WD_2014 Cover.dwg Print Date: Mar 17, 2014, Time: 3:17 p.m.

INTENT

THE INTENT OF THIS PROJECT IS TO COMPLETE A REHABILITATION OF THE LOWER WATER BASIN & (3) ADJACENT CASCADE PONDS. IT IS INTENDED TO BE THE FIRST PHASE OF REHABILITATION OF ALL THE POOLS AND AS SUCH WILL ACT TO CONFIRM THE EXACT NATURE OF THE CONSTRUCTION OF THE EXISTING POOL STRUCTURES, AND ESTABLISH THE REPAIR PROCEDURE FOR THE FUTURE WORK. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING ELEMENTS:

- 1.) CLEANING OF STONE IN SITU.
- 2.) CAREFUL DISMANTLING OF THE STONE WALLS WITH WORK COMPLETED IN A SEQUENTIAL FASHION. STONES ARE TO BE STORED ON INDIVIDUAL PALLETS SUCH THAT THEY CAN BE RE-INSTALLED IN THE SAME LOCATION AND IN THE SAME ORDER. WORK INCLUDES ACCURATE RE-INSTALLATION OF RANDOM FLOOR STONES. NOTE: THE WALL STONES ARE TO BE RE-INSTALLED BASED ON THE ORIGINAL STONE PATTERNS – REFER TO HISTORIC PHOTOS ON DRAWING A5.1
- 3.) REMOVAL OF THE POOL BASIN FLOOR
- 4.) INSTALLATION OF FREE DRAINING GRANULAR BACK FILL AND WEEPING TILE SYSTEM WITH SUMPS
- 5.) INSTALLATION OF NEW BASIN FLOOR SLAB
- 6.) REPAIR OF EXISTING CONCRETE WALLS
- 7.) INSTALLATION OF SEAMLESS WATERPROOFING MEMBRANE AND WATER TESTING
- 8.) RE-INSTALLATION OF THE STONE WALLS
- 9.) RE-INSTALLATION OF THE FLOOR STONES
- 10.) RE-FILLING THE POOL AND MONITORING OF WATER LEVELS TO VERIFY INTEGRITY OF INSTALLATION

CASH ALLOWANCES

REFER TO SPECIFICATION SECTION: 01 21 00 – ALLOWANCES

SALVAGE & ARCHAEOLOGICAL CONSIDERATIONS

SALVAGED MATERIAL WILL BE TURNED OVER TO THE OWNER FOR STORAGE AND FUTURE REUSE. MATERIALS TO BE SALVAGED AND/OR REUSED WILL BE ESTABLISHED AT THE INITIATION OF THE PROJECT WITH THE ARCHITECT. DURING EXCAVATION ANY MATERIALS UNCOVERED DURING SUCH WORK ARE TO BE RETAINED AND REVIEWED WITH THE ARCHITECT PRIOR TO DISPOSAL.

SITE SAFETY, CLEANLINESS & PERMITS

OBTAIN ALL DEMOLITION PERMITS, BUILDING PERMITS, OCCUPANCY PERMITS AND OTHER APPLICATIONS REQUIRED TO COMPLETELY EXECUTE THE WORK AT THE CONTRACTOR'S EXPENSE.

ABIDE BY ALL APPLICABLE CODES TO ENSURE THE SAFETY OF THE WORKERS, THE PUBLIC AND ADJACENT TENANTS. COMPLETE JOB HAZARDS ASSESSMENT AND REVIEW ALL CONSTRUCTION PROCEDURES AND SAFE WORK PRACTICES WITH AUTHORITIES HAVING JURISDICTION PRIOR TO PROCEEDING WITH THE WORK.

MAINTAIN THE SITE IN A TIDY CONDITION AT ALL TIMES. REMOVE WASTE MATERIAL AND DEBRIS FROM SITE AT THE END OF EACH WORK DAY. DISPOSE OF ALL WASTE AT AN APPROVED DISPOSAL SITE AND IN AN APPROVED MANNER.

HANDLE AND STORE ALL MATERIALS AND PRODUCTS IN A MANNER TO PREVENT DAMAGE, ADULTERATION, DETERIORATION AND SOILING IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. STORE PACKAGED MATERIALS AND PRODUCTS IN THE ORIGINAL MANUFACTURER'S PACKING WITH SEALS AND LABELS INTACT.

CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE CARE, CUSTODY AND CONTROL OF PROPERTY WHICH IS ASSIGNED TO HIM FOR THE PERFORMANCE OF THE WORK.

CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR AND SHALL MAKE GOOD DAMAGE TO EXISTING PROPERTY ATTRIBUTABLE TO PERFORMANCE OF WORK IN THIS CONTRACT.

MAINTAIN WORK IN A TIDY CONDITION, FREE FROM THE ACCUMULATION OF WASTE PRODUCTS AND DEBRIS. REMOVE WASTE MATERIAL AND DEBRIS FROM THE SITE AT THE END OF EACH WORKING DAY. CLEAN INTERIOR AREAS PRIOR TO START OF FINISHING WORK. MAINTAIN AREAS FREE OF DUST AND OTHER CONTAMINENTS DURING FINISHING OPERATIONS.

BUILDING MOVEMENT

THE TRADE SECTIONS OF THE SPECIFICATIONS HAVE REQUIREMENTS TO PROVIDE EXPANSION AND CONTROL JOINTS WITHIN RIGID MATERIALS AND AT JUNCTIONS TO ADJACENT MATERIALS. THE CONTRACTOR IS TO ENSURE THAT THE STRUCTURAL COMPONENTS ARE ABLE TO MOVE WITHIN THEIR DESIGN LIMITS WITHOUT DETRIMENTAL EFFECTS TO THE EXPOSED FINISH MATERIALS. PROVIDE EXPANSION JOINT COVERS WHERE NOTED AND SEALANT TO ALL OTHER JOINTS EXCEPT WHERE NOTED OTHERWISE.

THE CONTRACTOR IS TO REVIEW IN DETAIL THE WALL, FLOOR AND CEILING REQUIREMENTS TO ACCOMODATE MOVEMENT. ADVISE THE ARCHITECT OF ANY OMISSIONS OR DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.

DRAWINGS, DIMENSIONS & CO-ORDINATION

THESE DRAWINGS ARE NOT TO BE SCALED.

ALL DIMENSIONS ARE TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.

ALL WORK SHALL COMPLY WITH THE 2006 ALBERTA BUILDING CODE.

THE CONTRACTOR IS TO INSPECT AND VERIFY EXISTING SITE CONDITIONS AND ADVISE THE CONSULTANT OF ANY DISCREPANCIES, OMISSIONS OR INACCURACIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.

WHERE A PRODUCT OR TYPE OF CONSTRUCTION OCCURS IN THE EXISTING BUILDING AND IT IS NOT SPECIFIED AS PART OF THE NEW WORK, PROVIDE SUCH PRODUCTS OR TYPES OF CONSTRUCTION AS NEEDED TO PATCH, EXTEND OR MATCH THE EXISTING WORK.

FULLY CO-ORDINATE ALL ADDITIONAL SUPPORT REQUIRED FOR ANCHORAGE OF MECHANICAL EQUIPMENT, ACCESS PANELS, OR DUCTS AND ELECTRICAL FIXTURES.

MANUFACTURERS INSTRUCTIONS

UNLESS OTHERWISE INDICATED IN THE SPECIFICATIONS, INSTALL AND/OR ERECT PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. DO NOT RELY ON LABELS OR ENCLOSURES PROVIDED WITH THE PRODUCTS. COMMUNICATE DIRECTLY WITH THE MANUFACTURER'S REPRESENTATIVE AND CONDUCT THE WORK IN ACCORDANCE WITH HIS WRITTEN INSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICT BETWEEN THE SPECIFICATIONS AND THE MANUFACTURER'S INSTRUCTION PRIOR TO PROCEEDING WITH THE WORK. IMPROPER INSTALLATION OR ERECTION OF PRODUCTS, DUE TO FAILURE TO COMPLY WITH THESE REQUIREMENTS, SHALL CAUSE THE REMOVAL AND RE-INSTALLATION AT NO INCREASE IN CONTRACT PRICE.

WORKMANSHIP SHALL BE BEST QUALITY, EXECUTED BY WORKERS EXPERIENCED AND SKILLED IN THEIR RESPECTIVE DUTIES FOR WHICH THEY ARE EMPLOYED. IMMEDIATELY NOTIFY THE ARCHITECT IF REQUIRED WORK IS SUCH AS TO MAKE IT IMPRACTICAL TO PRODUCE REQUIRED RESULTS.

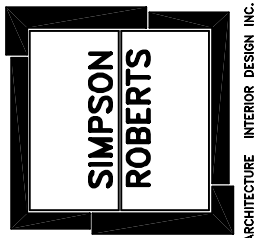
PROJECT COMPLETION & CLOSEOUT

WHEN WORK IS COMPLETE REMOVE SURPLUS MATERIALS, TOOLS AND EQUIPMENT – REMOVE ALL WASTE AND DEBRIS FROM SITE.

INSPECT ALL WORK WITH THE CONSULTANT AND OWNER – CARRY OUT CORRECTIVE WORK FOR ALL DEFICIENCIES AS DIRECTED.

FINAL CLEANING:

1. LEAVE THE WORK CLEAN BEFORE INSPECTION PROCESS COMMENCES.
2. CLEAN AND POLISH GLASS AND METAL FINISHES.
3. REMOVE STAINS, SPOTS, MARKS AND DIRT FROM INTERIOR GYPSUM BOARD SURFACES, ELECTRICAL AND MECHANICAL FIXTURES, EXTERIOR METALS AND EXTERIOR MASONRY.



SCALE:	n/a
Date:	APRIL 2014
Project No.	2670
Drawing No.	A0-1

Project Name: **CASCADE GARDENS - CAMBRIAN POOL REHABILITATION BANFF, ALBERTA**

Drawing Title: **GENERAL NOTES**

Filename: S:\2670 Cascade Gardens\2670_WD_2014_Notes.dwg Print Date: Apr 09, 2014, Time: 1:27 p.m.

GENERAL NOTES

1. THIS SET OF DRAWINGS SHOWS THE COMPLETE PROJECT. THE DRAWINGS DO NOT INCLUDE COMPONENTS THAT MAY BE NECESSARY FOR CONSTRUCTION SAFETY. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY IN AND ABOUT THE JOB SITE DURING CONSTRUCTION, AND THE DESIGN AND ERECTION OF ALL TEMPORARY STRUCTURES, FORMWORK, FALSEWORK, SHORING, ETC. REQUIRED TO COMPLETE THE WORK.
2. THE GENERAL CONTRACTOR SHALL REVIEW THE DRAWINGS AND CHECK THE DIMENSIONS BEFORE CONSTRUCTION. REPORT DISCREPANCIES TO THE ENGINEER FOR CLARIFICATION.
3. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE ALBERTA BUILDING CODE 2006.

REINFORCING NOTES

1. REINFORCEMENT SHALL CONFORM TO THE FOLLOWING STANDARDS:
 - A. C.S.A. G30.5 – WELDED WIRE MESH
 - B. CAN/CSA-G30.18 – GRADE 400 MPa
2. CONCRETE COVER OVER REINFORCEMENT SHALL BE:
 - A. SURFACE IN CONTACT WITH GROUND 3"
 - B. FORMED SURFACES EXPOSED TO EARTH OR WEATHER 2"
3. DO NOT SUBSTITUTE DEFORMED WIRE FOR REINFORCING BARS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
4. REINFORCING BARS, STIRRUPS AND TIES SHALL BE BILLET STEEL CONFORMING TO CAN/CSA G30.18, 400 MPa.
5. REINFORCING STEEL SHALL BE CUT, BENT, SPLICED, PLACED AND HANDLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF CODE FOR DESIGN OF CONCRETE STRUCTURES FOR BUILDINGS (A23.3) AND THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCEMENT OF CONCRETE STRUCTURES (ACI-315).
6. REINFORCING STEEL SHALL BE FREE FROM LOOSE, FLAKY RUST, MUD, OIL OR OTHER COATINGS WHICH MAY REDUCE BOND.

CONCRETE NOTES

SPECIFICATION

1. CEMENT SHALL BE PORTLAND CEMENT TYPE 50 – U.N.O. CONCRETE SHALL BE STONE CONCRETE WITH A UNIT WEIGHT OF 150 pcf.
2. CONCRETE PROPERTIES:

ELEMENT	MIN. 56 DAY STRENGTH (MPa)	SLUMP (mm)	MAX. AGG. SIZE (mm)	EXPOSURE CLASS
SLAB	32 MPa	75mm	20mm	S-2*

 - * – CEMENTING MATERIAL: Hs OR Hsb
 - MAXIMUM WATER TO CEMENT RATIO: 0.45

NOTES:

- PUMP MIXES ALSO AS ABOVE
 - WATER CEMENT RATIOS FOR EXPOSURE CLASSES AS TABLE 2, CAN/CSA-23.1.
 - AIR CONTENT FOR EXPOSURE CLASSES AND AGGREGATE SIZE AS TABLE 4 CAN/CSA-23.1.
 - SLUMP TOLERANCE – 3/4" FOR SLUMPS 3" OR LESS, OTHERWISE 1-1/2".
 - AGGREGATE SIZES SHOWN ARE MAXIMUMS. SMALLER SIZES MAY BE USED.
 - LOWER SLUMPS MAY BE USED SUBJECT TO APPROVAL.
 - MIX DESIGNS SHALL STATE THE ELEMENT FOR WHICH THEY ARE INTENDED.
3. NO CALCIUM CHLORIDE, IN ANY FORM, IS PERMITTED IN ANY CONCRETE MIX.
 4. DO NOT USE ADMIXTURES OTHER THAN AIR ENTRAINMENT, STANDARD WATER REDUCERS, OR SUPER PLASTICIZERS WITHOUT PRIOR APPROVAL OF THE ENGINEER.
 5. REJECT ALL CONCRETE WHEN TIME BETWEEN BATCHING AND PLACING EXCEEDS 2 HRS.
 6. DO NOT ADD WATER TO THE CONCRETE ON SITE UNLESS AUTHORIZED BY THE ENGINEER.
 7. CONSOLIDATE ALL CONCRETE USING MECHANICAL VIBRATORS.
 8. INSTALL CONSTRUCTION JOINTS AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
 9. PROTECT CONCRETE FROM ADVERSE WEATHER CONDITIONS IN ACCORDANCE WITH CSA A23.1 OR AS DETERMINED BY THE ENGINEER.
 10. CONSTRUCT FORMWORK IN ACCORDANCE WITH WCB REGULATIONS AND CSA S269.3. FORMWORK DESIGN IS THE RESPONSIBILITY OF THE CONTRACTOR.

FIELD REVIEW BY QUINN SARETSKY STRUCTURAL ENGINEERS INC.

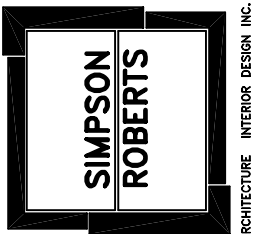
QUINN SARETSKY STRUCTURAL ENGINEERS INC. PROVIDES REVIEW ONLY FOR THE WORK SHOWN ON THESE DRAWINGS. THIS REVIEW IS NOT A "FULL TIME" REVIEW, BUT RATHER A PERIODIC REVIEW TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE PLANS AND SUPPORTING DOCUMENTS PREPARED BY QUINN SARETSKY STRUCTURAL ENGINEERS INC.. FIELD REVIEW BY QUINN SARETSKY STRUCTURAL ENGINEERS INC. DOES NOT MAKE US GUARANTORS OF THE CONTRACTOR'S WORK. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.

COLD WEATHER REQUIREMENTS

IN COLD WEATHER, ALL HEATING EQUIPMENT AND PROTECTIVE ENCLOSURES SHALL BE ON THE JOB READY FOR USE WHEN CONCRETE IS PLACED. SUCH EQUIPMENT SHALL BE ADEQUATE FOR THE PURPOSE OF HEATING THE CONCRETE MATERIALS AND PROTECTING THE CONCRETE IN ACCORDANCE WITH CSA A23.1, 2, & 3 AND THE FOLLOWING REQUIREMENTS:

1. WHENEVER THE TEMPERATURE OF THE SURROUNDING ATMOSPHERE IS 5 DEG C OR LOWER, OR THERE IS A PROBABILITY OF IT FALLING BELOW 5 DEG C, ALL AGGREGATES AND WATER SHALL BE PRE-HEATED AND ALL FORMS, FILL AND GROUND WITH WHICH THE CONCRETE IS IN CONTACT OR IS CALCULATED TO COME IN CONTACT WITH, SHALL BE DEFROSTED. STEEL REINFORCEMENT AND AGGREGATES SHALL BE PROTECTED BY ADEQUATE MEANS TO PREVENT FORMATION OF AN ICE FILM.
2. ALL CONCRETE WHEN PLACED IN THE FORMS SHALL HAVE A TEMPERATURE BETWEEN 16 DEG C AND 27 DEG C AND ADEQUATE MEANS SHALL BE PROVIDED BY ENCLOSURES AND HEATING APPURTENANCES FOR MAINTAINING A TEMPERATURE OF AT LEAST 22 DEG C FOR THE FIRST SEVEN DAYS AND AT LEAST 10 DEG C FOR AS MUCH MORE TIME AS MAY BE NECESSARY TO ENSURE THE PROPER CURING OF THE CONCRETE.
3. ALL CANVAS OR OTHER PROTECTIVE COVERING SHALL BE KEPT CLEAR OF ALL CONCRETE IN ORDER TO PERMIT FREE CIRCULATION OF AIR AROUND ALL WALLS, COLUMNS, AND OVER THE TOPS OF ALL SLABS.

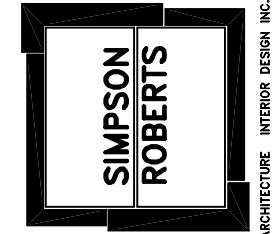
Quinn Saretsky STRUCTURAL ENGINEERS INC.
 Calgary, Alberta
 PH: (403) 543-2257 FAX: 271-5904
 Permit No. P7453



SCALE:	n/a
Date:	APRIL 2014
Project No.	2670
Drawing No.	S0-1

Project Name: **CASCADE GARDENS - CAMBRIAN POOL REHABILITATION BANFF, ALBERTA**
 Drawing Title: **STRUCTURAL NOTES**
 Filename: S:\2670 Cascade Gardens\2670_WD_2014_Notes.dwg Print Date: Mar 17, 2014, Time: 3:53 p.m.

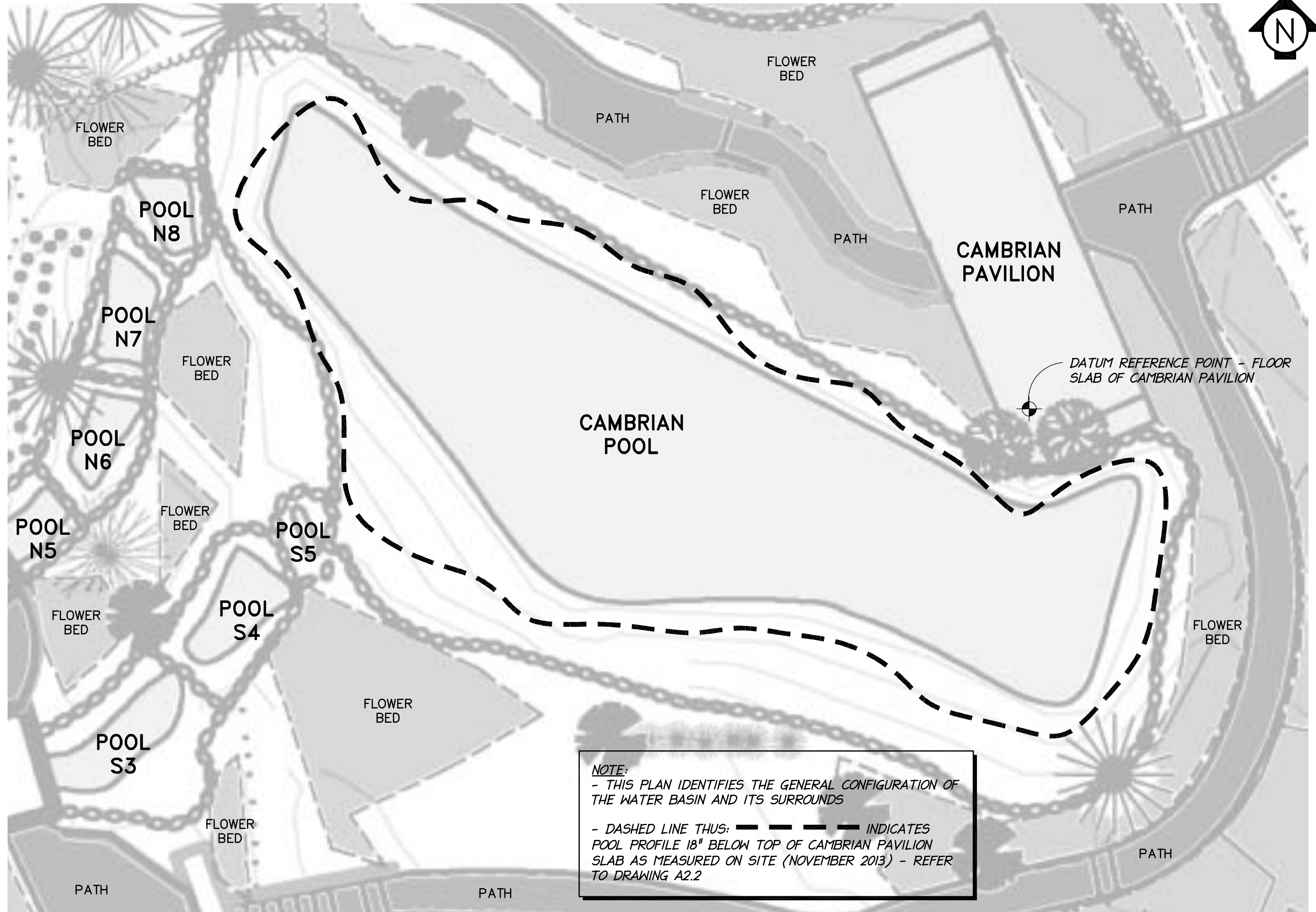
NOTE:
 THE CONTRACTOR WORK AREA IS TO BE RESTRICTED TO THE AREAS SHOWN. WORK AREAS ARE TO BE FENCED AND SECURE AT ALL TIMES AS THE PUBLIC WILL BE ON SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGE TO THE LANDSCAPE, STRUCTURES, AND WALKWAYS AFFECTED BY THEIR WORK.



SCALE:	1 : 1000
Date:	APRIL 2014
Project No.	2670
Drawing No.	A1.1

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
 REHABILITATION
 BANFF, ALBERTA**

Drawing Title
OVERALL SITE PLAN



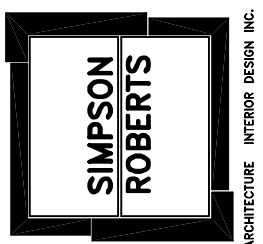
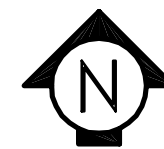
SCALE:	1/8" = 1'-0"
Date:	APRIL 2014
Project No.	2670
Drawing No.	A2.1

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
 REHABILITATION
 BANFF, ALBERTA**

Drawing Title
EXISTING SITE PLAN

Filename: S:\2670 Cascade Gardens\2670 WD_2014 Cambrian_DWG.dwg Print Date: Apr 09, 2014, Time: 1:19 p.m.

NOTE:
 - THIS PLAN IDENTIFIES THE GENERAL CONFIGURATION OF THE WATER BASIN AND ITS SURROUNDS
 - DASHED LINE THUS: **— — — — —** INDICATES POOL PROFILE 18" BELOW TOP OF CAMBRIAN PAVILION SLAB AS MEASURED ON SITE (NOVEMBER 2013) - REFER TO DRAWING A2.2



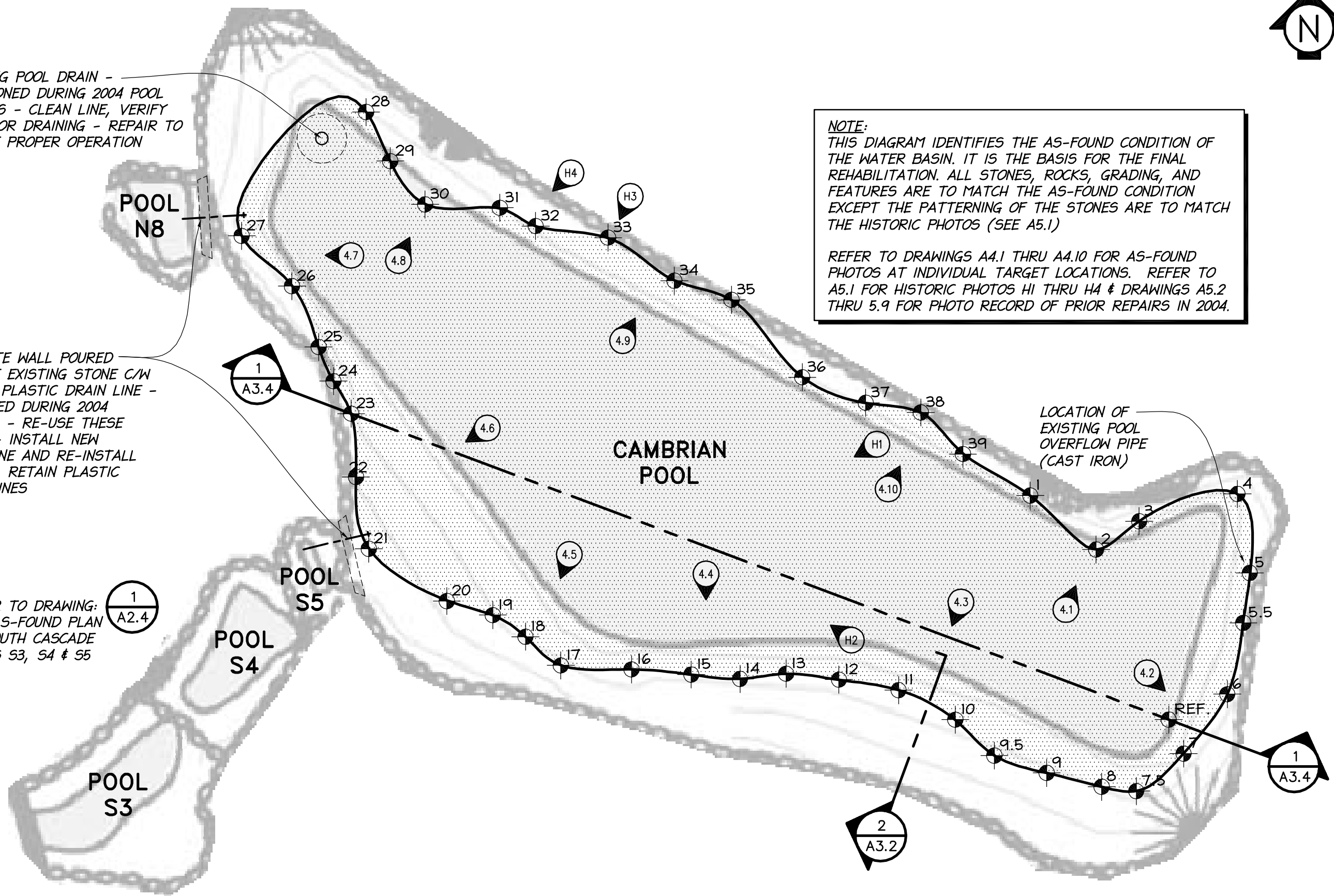
EXISTING POOL DRAIN -
ABANDONED DURING 2004 POOL
REPAIRS - CLEAN LINE, VERIFY
OPEN FOR DRAINING - REPAIR TO
ENSURE PROPER OPERATION

CONCRETE WALL Poured
AGAINST EXISTING STONE C/W
CAPPED PLASTIC DRAIN LINE -
INSTALLED DURING 2004
REPAIRS - RE-USE THESE
WALLS - INSTALL NEW
MEMBRANE AND RE-INSTALL
STONE - RETAIN PLASTIC
DRAIN LINES

REFER TO DRAWING:
FOR AS-FOUND PLAN
OF SOUTH CASCADE
POOLS S3, S4 & S5

NOTE:
THIS DIAGRAM IDENTIFIES THE AS-FOUND CONDITION OF
THE WATER BASIN. IT IS THE BASIS FOR THE FINAL
REHABILITATION. ALL STONES, ROCKS, GRADING, AND
FEATURES ARE TO MATCH THE AS-FOUND CONDITION
EXCEPT THE PATTERNING OF THE STONES ARE TO MATCH
THE HISTORIC PHOTOS (SEE A5.1)

REFER TO DRAWINGS A4.1 THRU A4.10 FOR AS-FOUND
PHOTOS AT INDIVIDUAL TARGET LOCATIONS. REFER TO
A5.1 FOR HISTORIC PHOTOS H1 THRU H4 & DRAWINGS A5.2
THRU 5.9 FOR PHOTO RECORD OF PRIOR REPAIRS IN 2004.



1 AS-FOUND PLAN
A2.2 SCALE: 1/8" = 1'-0"


SCALE:	AS NOTED
Date:	APRIL 2014
Project No.	2670
Drawing No.	A2.2

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
AS-FOUND DETAIL PLAN

Filename: S:\2670 Cascade Gardens\2670 WD_2014 Cambrian_DWG.dwg Print Date: Apr 09, 2014, Time: 1:19 p.m.

RE-USE EXISTING DRAIN - VERIFY LINE IS CLEAN - REPAIR DRAIN VALVE TO FULL OPERATION

SUMP #1
REFER TO DETAIL: 

THIS LINE INDICATES THE EXTENT OF BASE CONTRACT - LIFT ALL STONES WITHIN THIS AREA, REMOVE MEMBRANE AND SLAB, INSTALL WEeping TILE, & NEW COMPACTED SUBGRADE, INSTALL NEW SLAB & FULLY ADHERED WATERPROOFING MEMBRANE, AND RE-INSTALL ALL STONES. BASE CONTRACT INCLUDES INSTALLING (3) SUMPS AND REPAIRING EXISTING DRAIN AND OVERFLOW LINES

4" DIAMETER PERFORATED FLEXIBLE WEeping TILE - SLOPED TO SUMP #1

POOL PROFILE AS MEASURED ON SITE (NOVEMBER 2013)

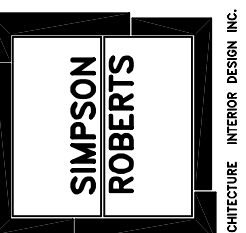
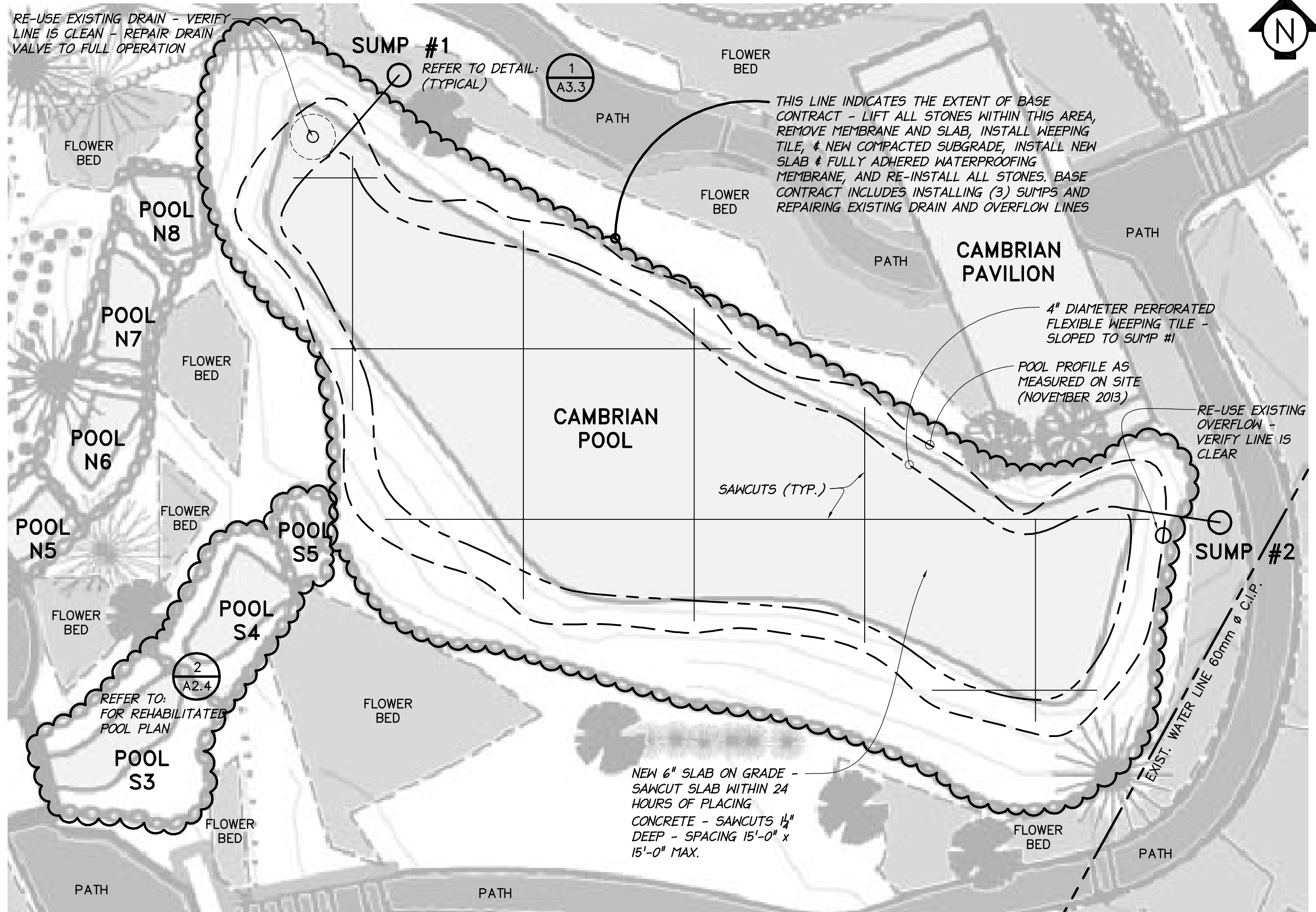
RE-USE EXISTING OVERFLOW - VERIFY LINE IS CLEAR

SAWCUTS (TYP.)

NEW 6" SLAB ON GRADE - SAWCUT SLAB WITHIN 24 HOURS OF PLACING CONCRETE - SAWCUTS 1/4" DEEP - SPACING 15'-0" x 15'-0" MAX.

REFER TO: FOR REHABILITATED POOL PLAN



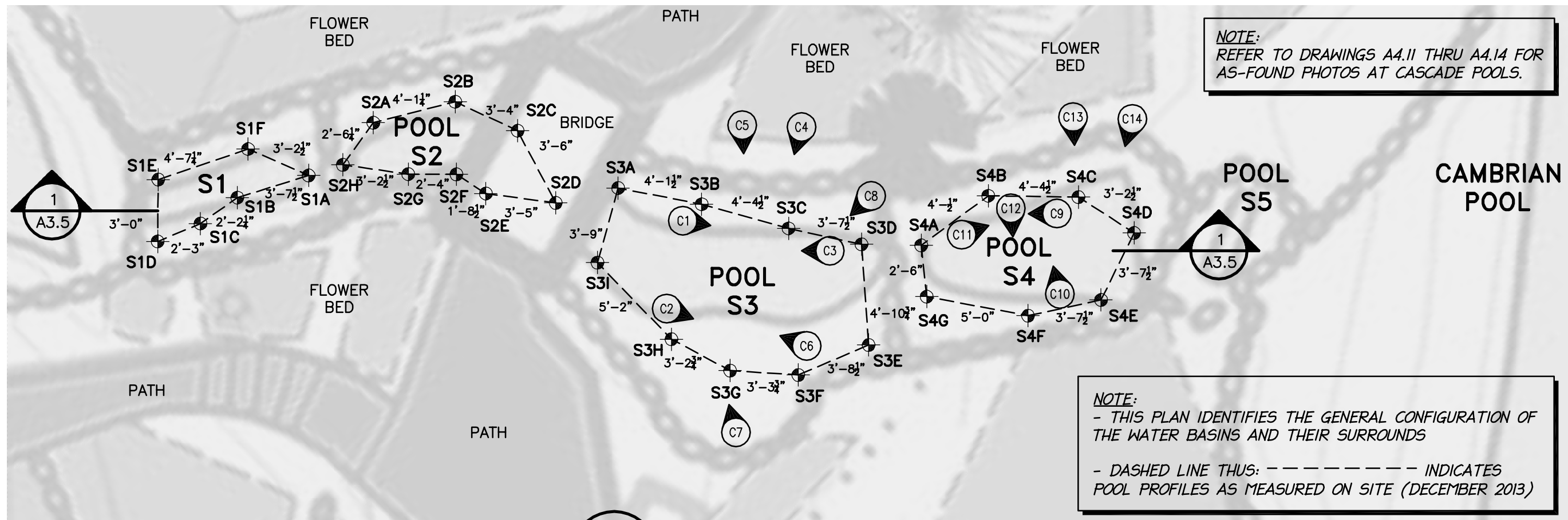


SCALE:	1/8" = 1'-0"
Date:	APRIL 2014
Project No.	2670
Drawing No.	A2.3

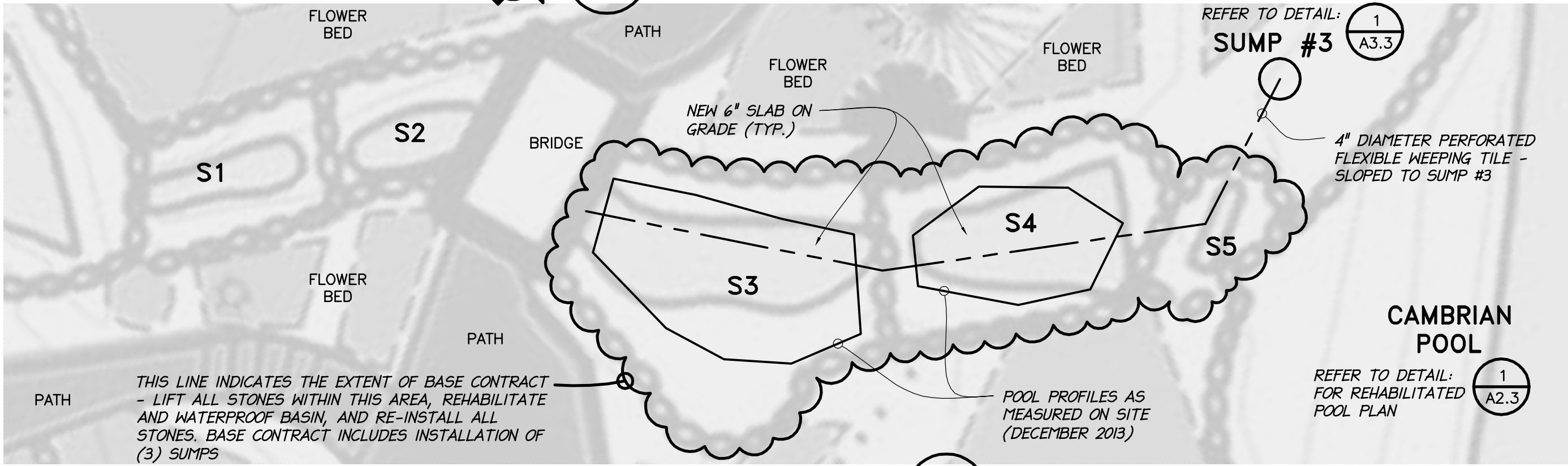
Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
REHABILITATED PLAN

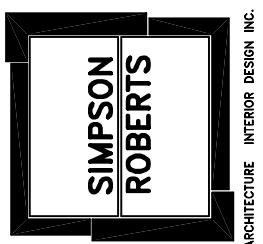
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1 AS-FOUND PLAN
A2.4 SCALE: 3/16" = 1'-0"



2 REHABILITATED PLAN
A2.4 SCALE: 3/16" = 1'-0"

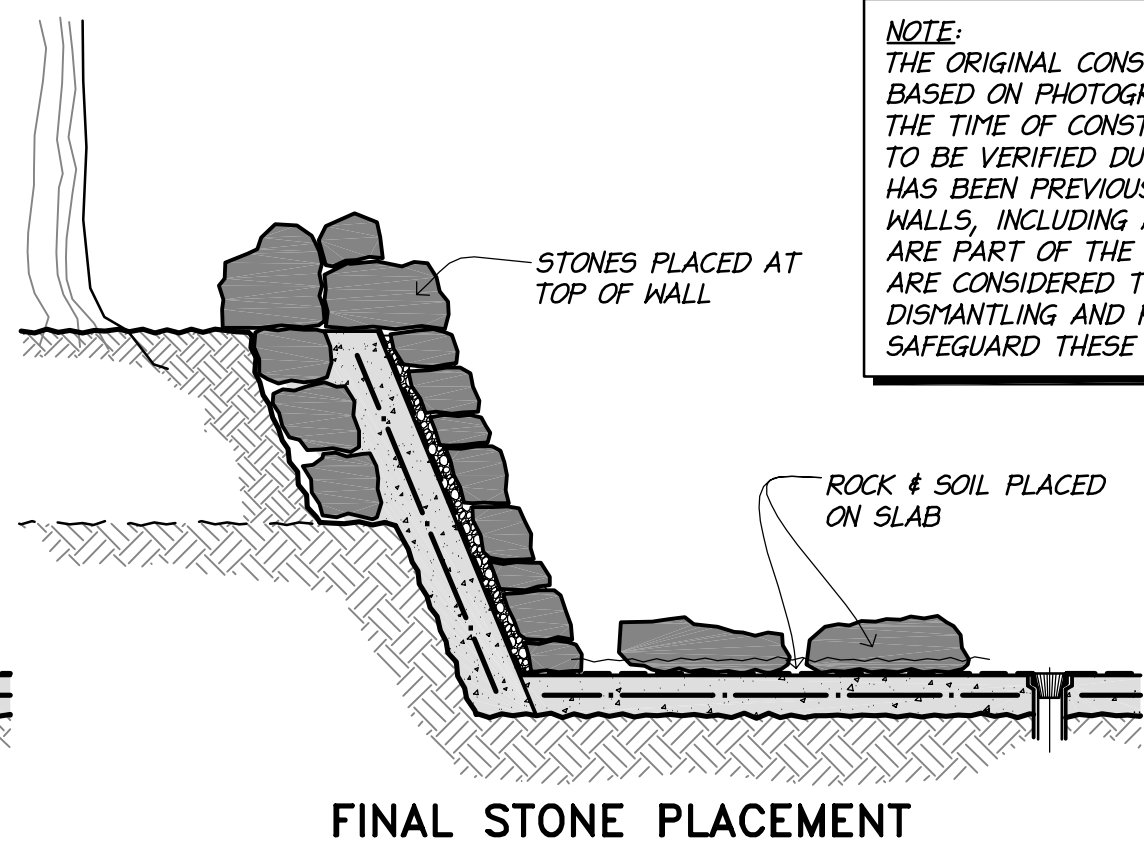
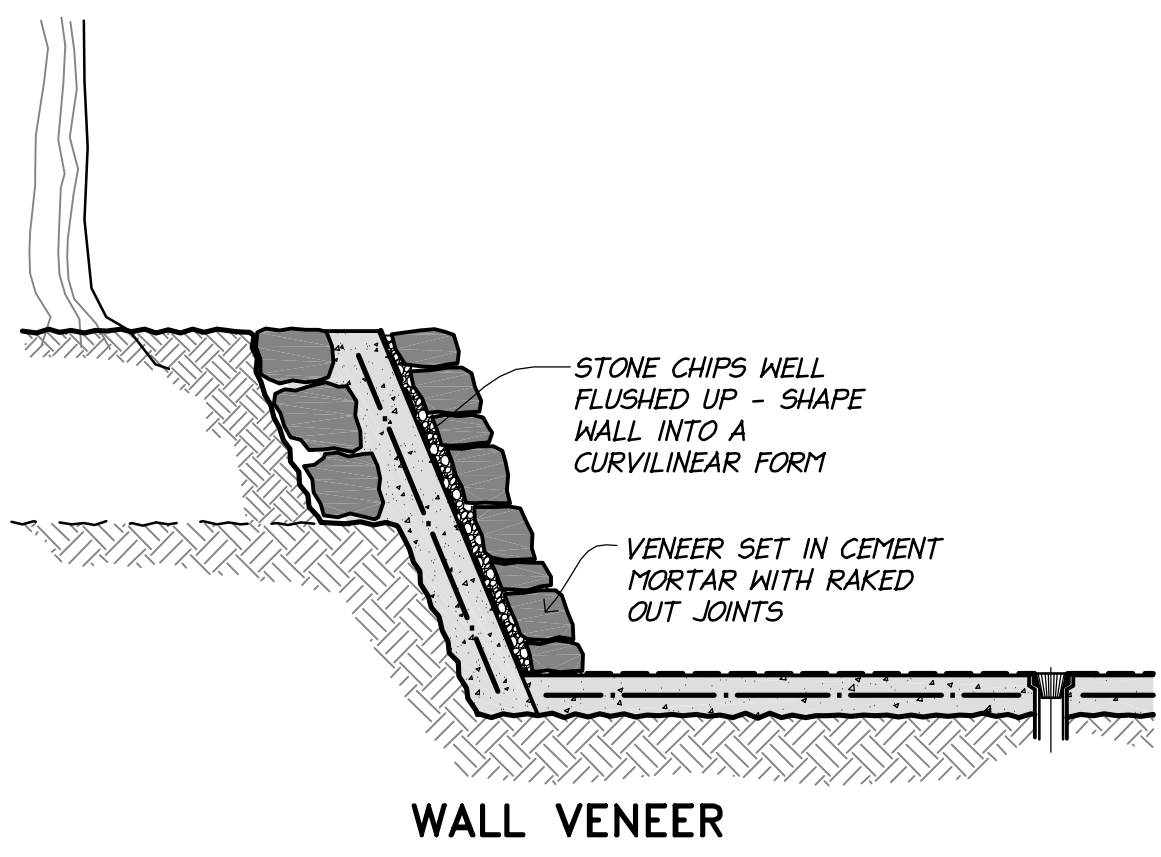
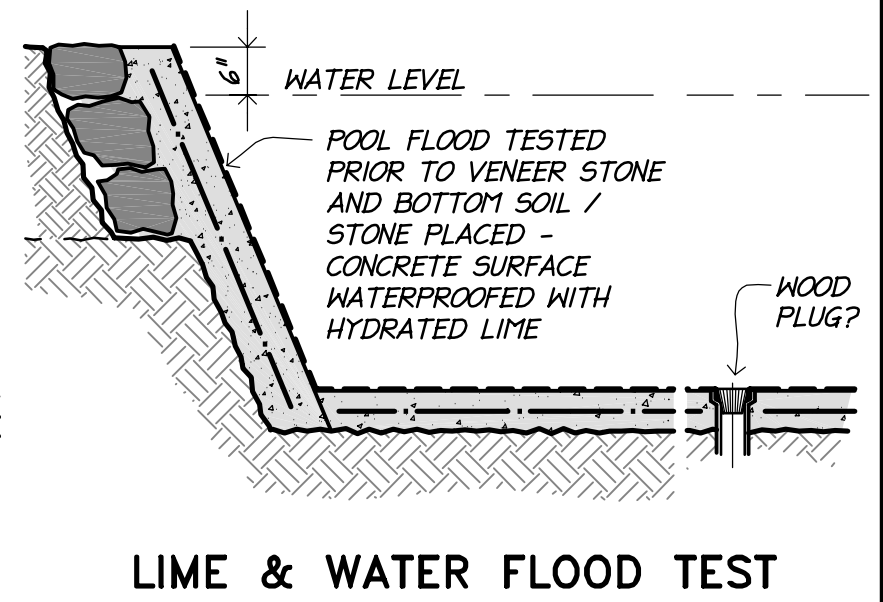
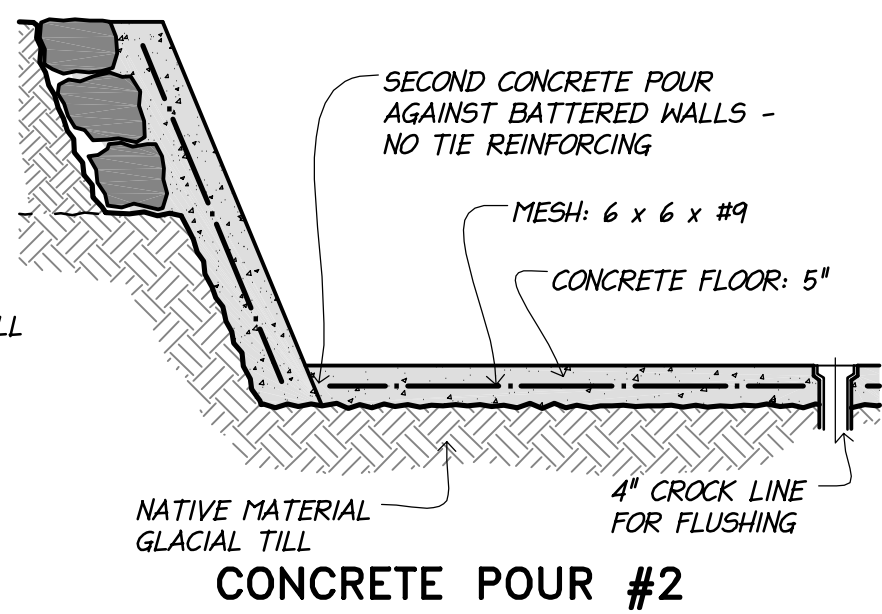
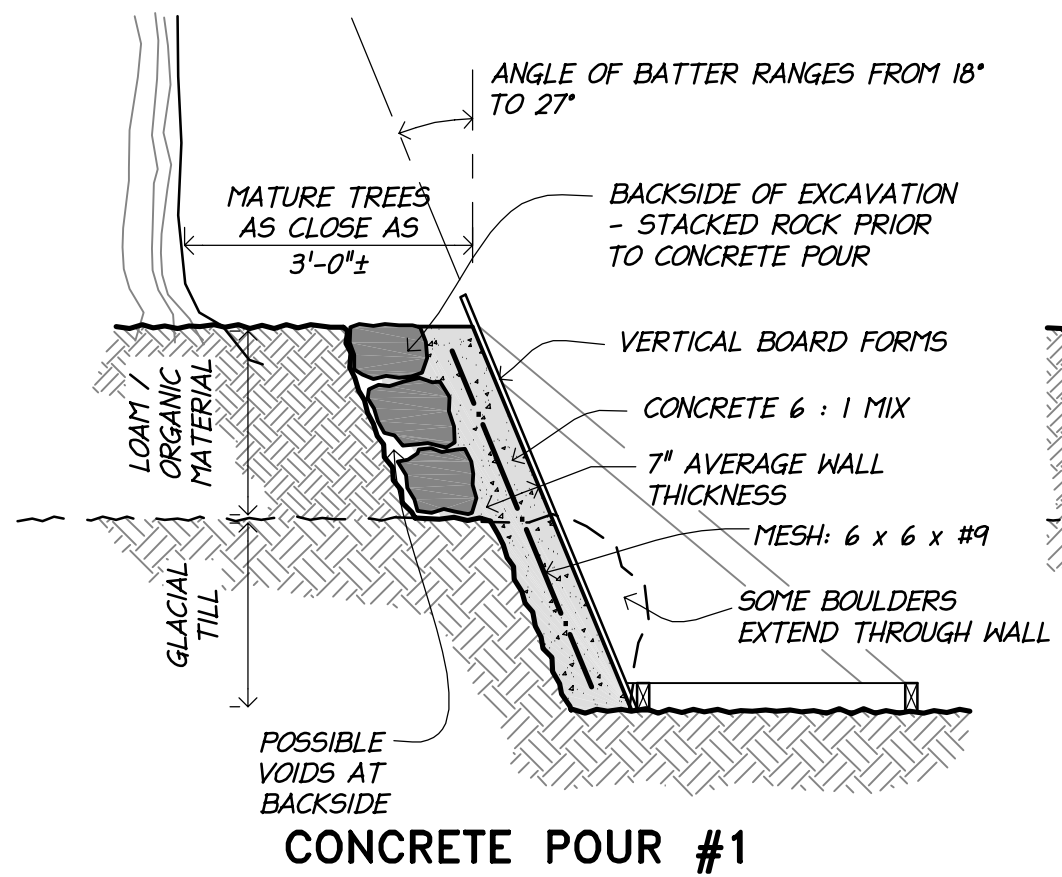


SCALE:	AS NOTED
Date:	APRIL 2014
Project No.:	2670
Drawing No.:	A2.4

Project Name: **CASCADE GARDENS - CAMBRIAN POOL REHABILITATION BANFF, ALBERTA**

Drawing Title: **SOUTH CASCADE POOL - AS-FOUND / REHAB. PLANS**

Filename: S:\2670 Cascade Gardens\2670_WD_2014\N&S_Cascades.dwg Print Date: Apr 09, 2014, Time: 1:17 p.m.



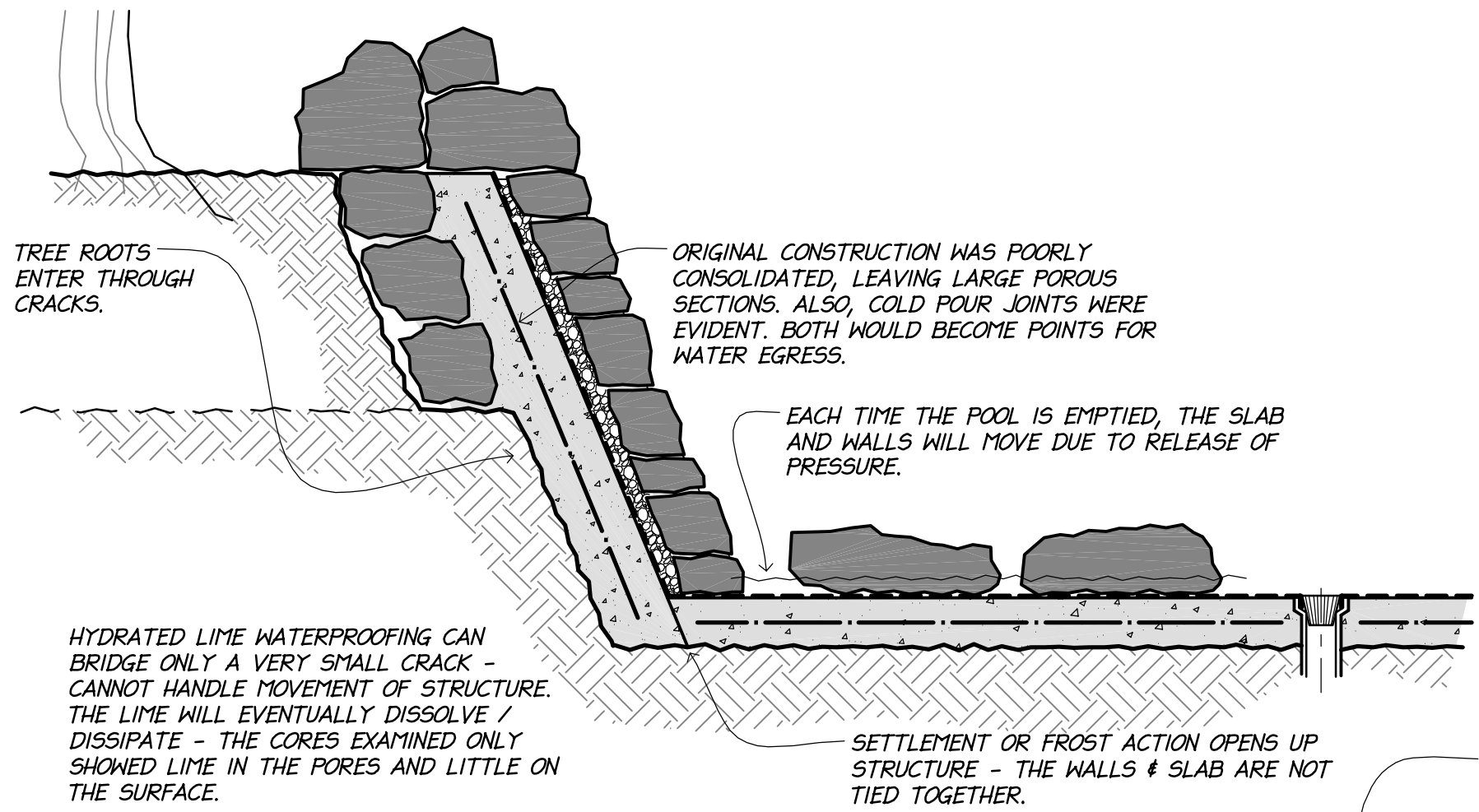
NOTE:
THE ORIGINAL CONSTRUCTION SEQUENCE SHOWN IS BASED ON PHOTOGRAPHS AND SPECIFICATIONS FROM THE TIME OF CONSTRUCTION. THE CONSTRUCTION IS TO BE VERIFIED DURING DISMANTLING. THE POOL HAS BEEN PREVIOUSLY REPAIRED IN 2004. THE POOL WALLS, INCLUDING ALL ASSOCIATED STONEMWORK ARE PART OF THE ORIGINAL CONSTRUCTION AND ARE CONSIDERED TO BE HISTORIC FABRIC. DISMANTLING AND RECONSTRUCTION WORK MUST SAFEGUARD THESE COMPONENTS AT ALL TIMES

SCALE: 1/2" = 1'-0"	Date: APRIL 2014	Drawing No. A3.1
	Project No. 2670	

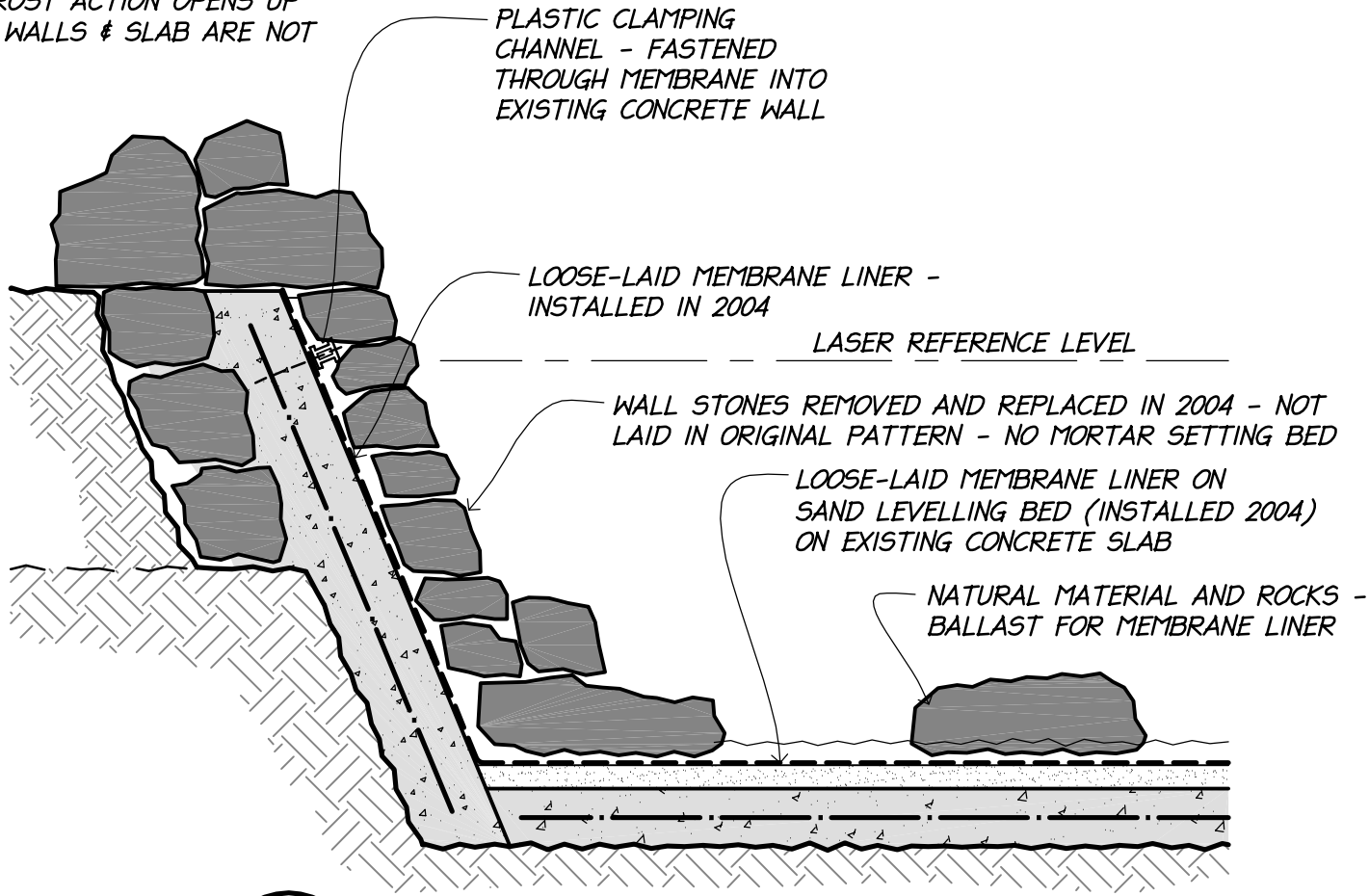
Project Name: **CASCADE GARDENS - CAMBRIAN POOL REHABILITATION BANFF, ALBERTA**

Drawing Title: **ORIGINAL SEQUENCE OF CONSTRUCTION**

Filename: S:\2670 Cascade Gardens\2670_WD_2014_Sections.dwg Print Date: Mar 17, 2014, Time: 3:20 p.m.

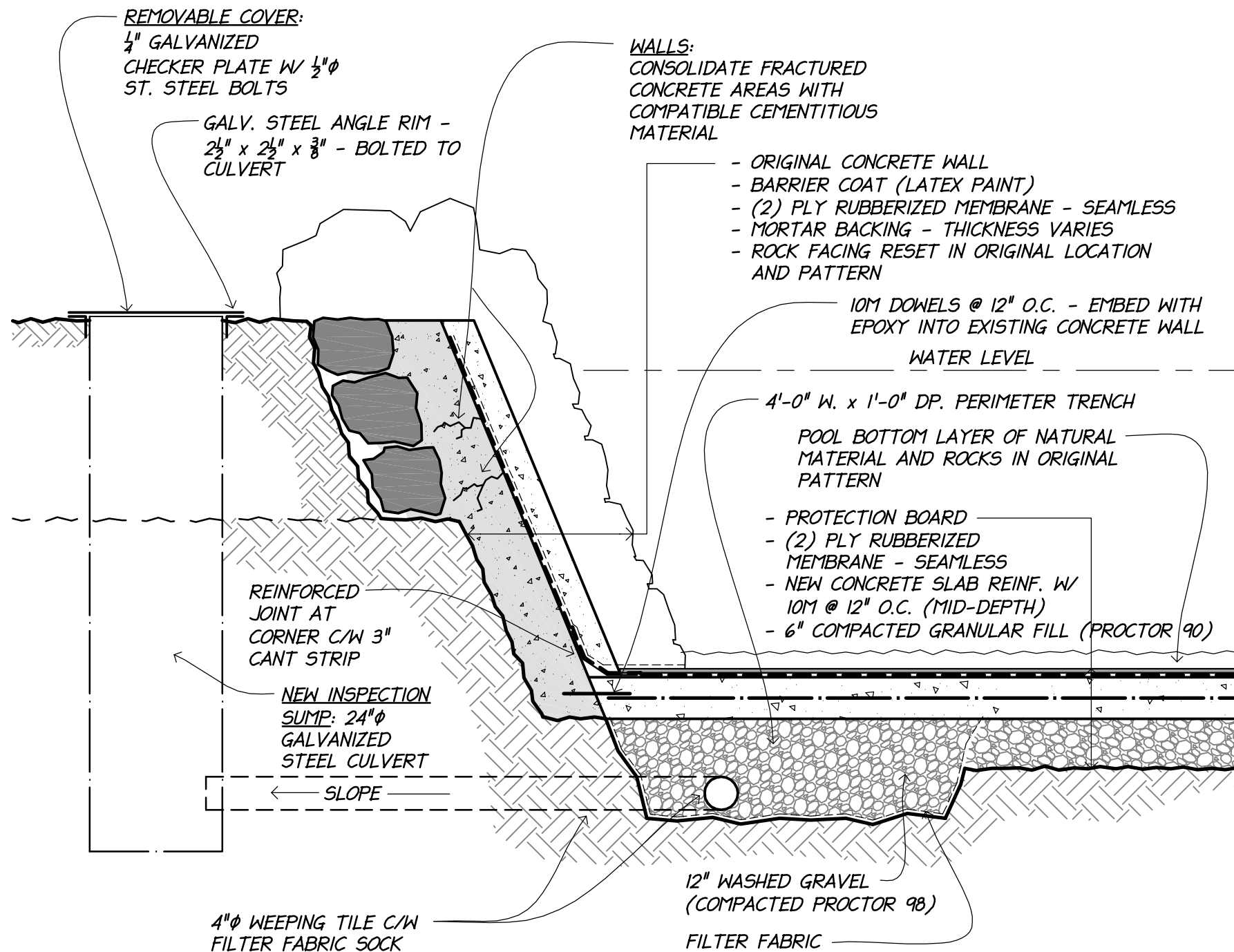


POSSIBLE MODES OF FAILURE



1 AS-FOUND CONDITION (NOVEMBER 2013)
A3.2 SCALE: 3/4" = 1'-0"

Project Name: CASCADE GARDENS - CAMBRIAN POOL REHABILITATION BANFF, ALBERTA	SCALE: 3/4" = 1'-0"	Date: APRIL 2014	Drawing No. A3.2
	Project No. 2670		
Drawing Title ANALYSIS OF EXISTING CONSTRUCTION	Filename: S:\2670 Cascade Gardens\2670_WD_2014_Sections.dwg Print Date: Mar 17, 2014 Time: 3:20 p.m.		



1
A3.3 **TYPICAL DETAIL AT
REHABILITATED POOL**
SCALE: 3/4" = 1'-0"

REHABILITATION SCOPE OF WORK

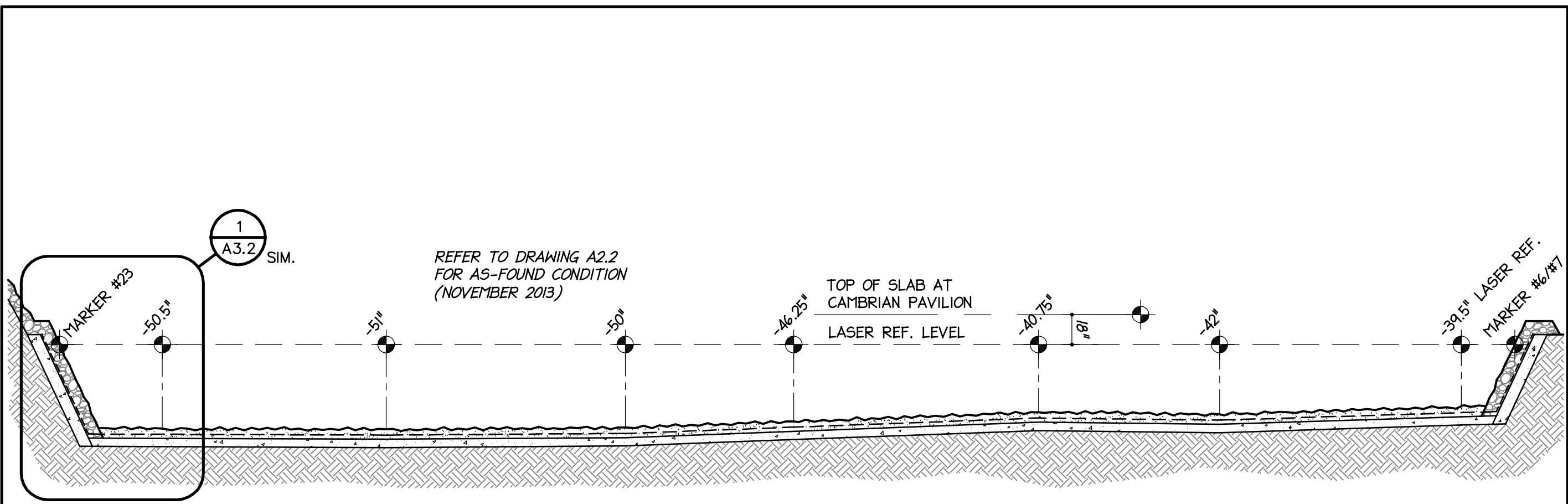
- CLEAN STONE IN SITU
- LABEL & REMOVE WALL VENEER STONES IN "COLUMNS", STORE IN NUMBERED PALLETS
- REMOVE & STOCKPILE ORGANIC MATERIAL FROM POOL BOTTOM; LOCATE, LABEL & STORE LARGE FEATURE STONES
- REMOVE PLASTIC LINER & SAND BED FROM POOL BOTTOM. EXCAVATE FOR NEW SLAB SUB-BASE
- CLEAN CONCRETE WALLS TO EXPOSE:
 - DELAMINATION - CORROSION OF REINFORCING
 - HONEYCOMB IN ORIGINAL
 - CRACK
 - ORIGINAL COLD JOINTS
 - MOVEMENT: THERMAL & LOADS
 - TREE ROOTS
- CORE SAMPLES AT WALLS - (4) LOCATIONS TO BE DETERMINED BY STRUCTURAL ENGINEER
- AS-FOUND MAPPING / CONDITION OF CONCRETE WALLS (BY CONSERVATION ARCHITECT)
- PREPARE EXISTING CONCRETE FOR LOCAL REPAIRS:
 - MUST GET DOWN TO SOLID CONCRETE; REMOVE DETERIORATED MATERIAL
 - HAND GRINDERS (NO LARGE EQUIPMENT)
- REPAIR CONCRETE WITH COMPATIBLE CEMENTITIOUS MATERIAL
- INSTALL NEW COMPACTED SUB-BASE AND CONCRETE SLAB
- INSTALL FULLY BONDED MEMBRANE (REVERSIBLE AT WALLS)
- FLOOD TEST
- INSTALL PROTECTION LAYER ON SLAB
- REPLACE STONES FROM NUMBERED PALLETS; REPLACE GROUND LAYER FILL & FEATURE STONES ON SLAB

SCALE:	3/4" = 1'-0"
Date:	APRIL 2014
Project No.	2670
Drawing No.	A3-3

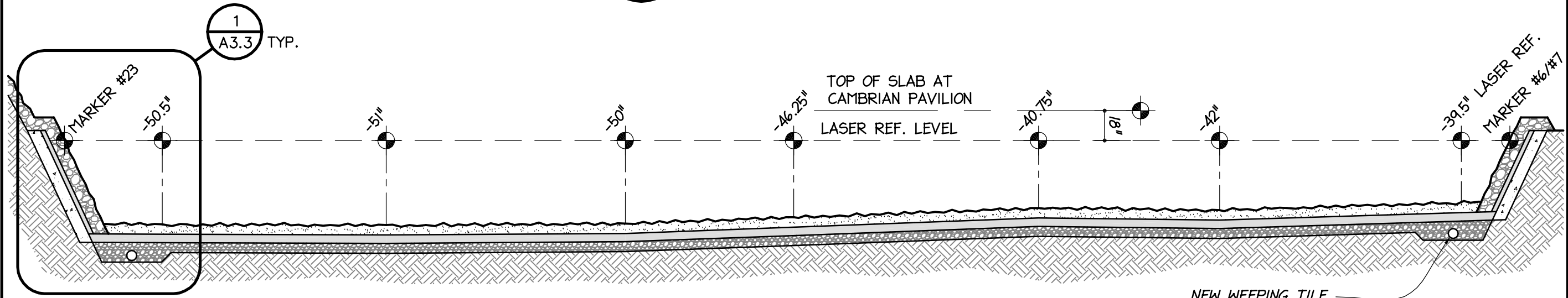
Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
REHABILITATION SCOPE OF WORK & DETAIL

Filename: S:\2670 Cascade Gardens\2670 WD_2014 Sections.dwg Print Date: Apr 09, 2014, Time: 1:29 p.m.



1 AS-FOUND SECTION
A3.4 SCALE: 3/16" = 1'-0"



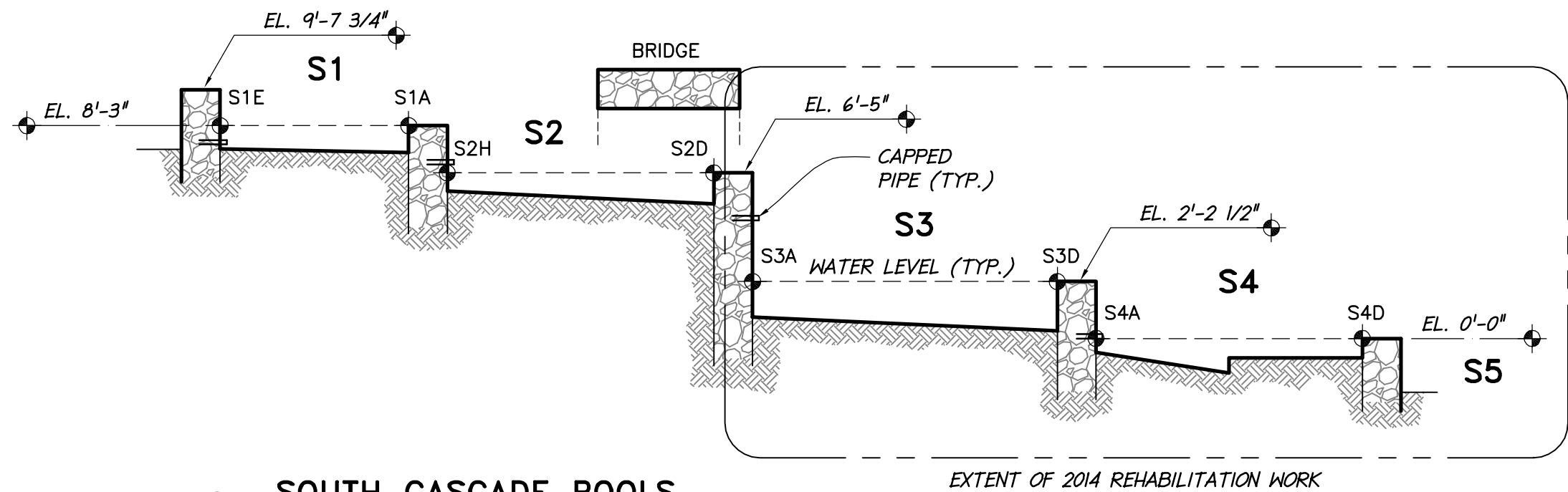
2 REHABILITATED SECTION
A3.4 SCALE: 3/16" = 1'-0"

SCALE:	AS NOTED
Date:	APRIL 2014
Project No.	2670
Drawing No.	A3.4

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
AS-FOUND SECTION & REHABILITATED SECTION

Filename: S:\2670 Cascade Gardens\2670 Site_plan_2013.dwg Print Date: Nov 06, 2013, Time: 12:17 a.m.



1
A3.5

**SOUTH CASCADE POOLS
AS-FOUND SECTION**

SCALE: 3/16" = 1'-0"

NOTE: THIS SECTION DRAWING IS ILLUSTRATIVE AND INTENDED TO CONVEY THE RELATIVE RELATIONSHIP OF WALL HEIGHTS AND WATER LEVELS ONLY

SCALE:	AS NOTED
Date:	APRIL 2014
Project No.	2670
Drawing No.	A3.5

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
SOUTH CASCADE POOLS - AS-FOUND SECTION

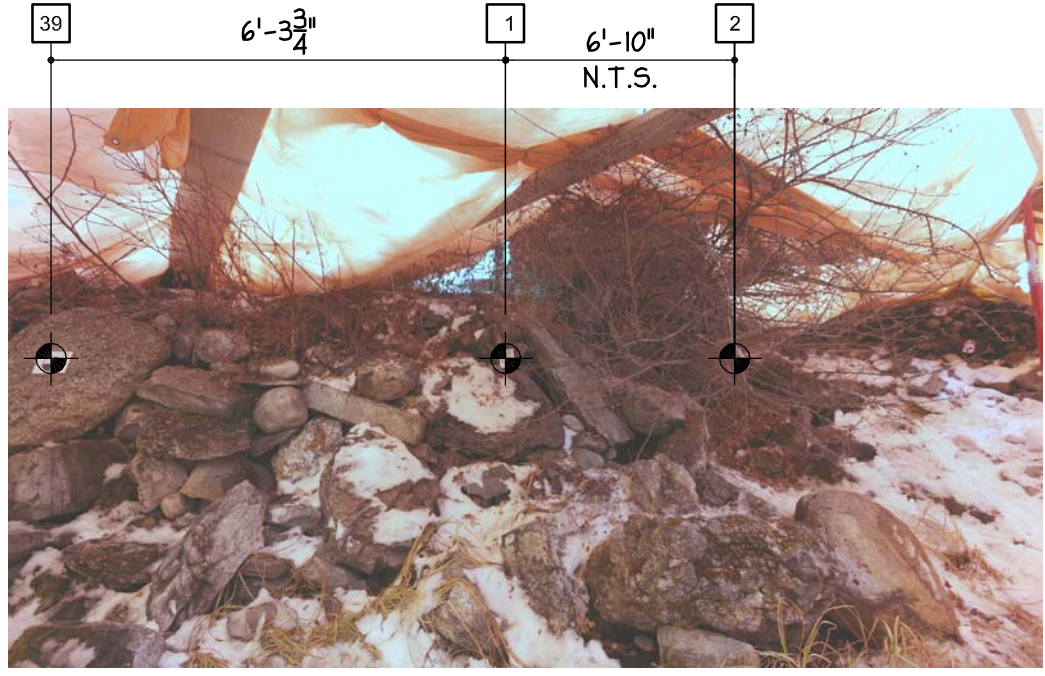


PHOTO #1

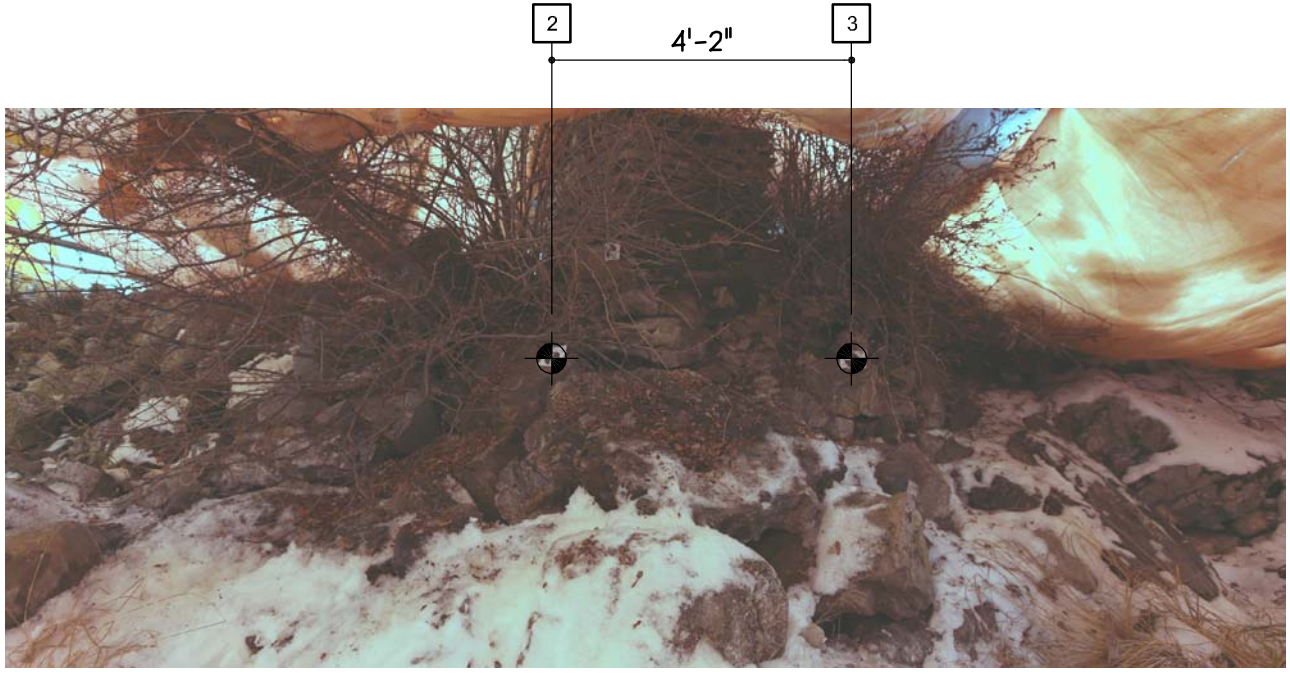


PHOTO #2

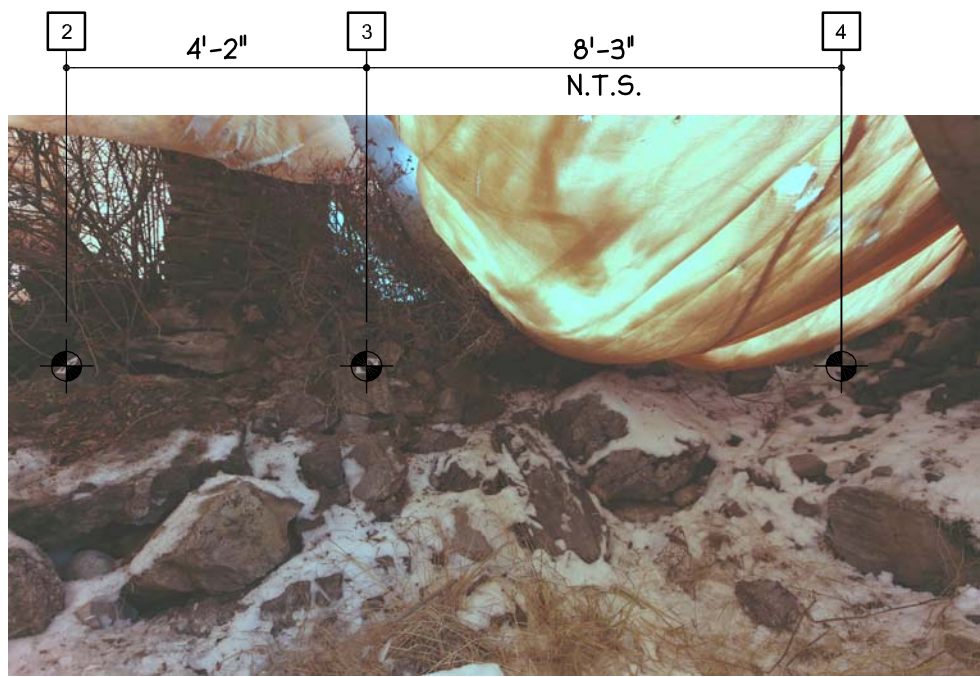


PHOTO #3

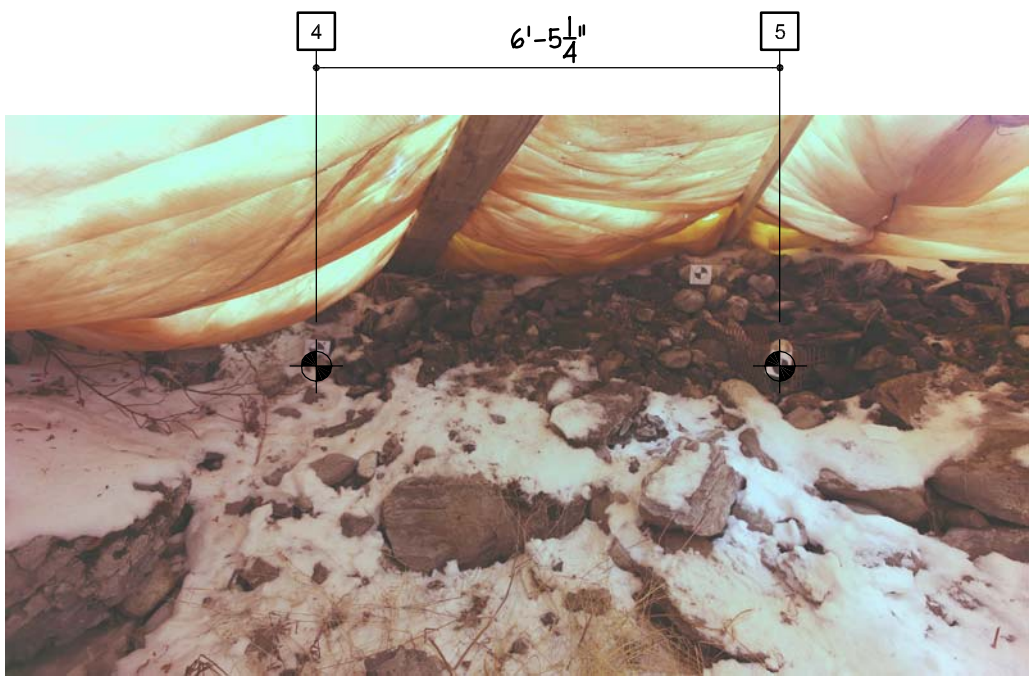
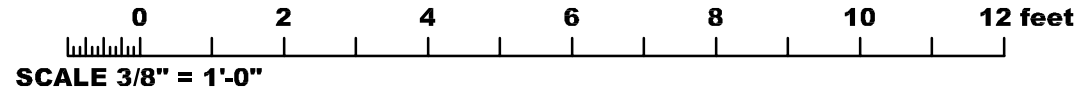


PHOTO #4



SCALE:	3/8" = 1'-0"±
Date:	APRIL 2014
Project No.	2670
Drawing No.	A4.1

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
AS-FOUND PHOTO REFERENCE

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.

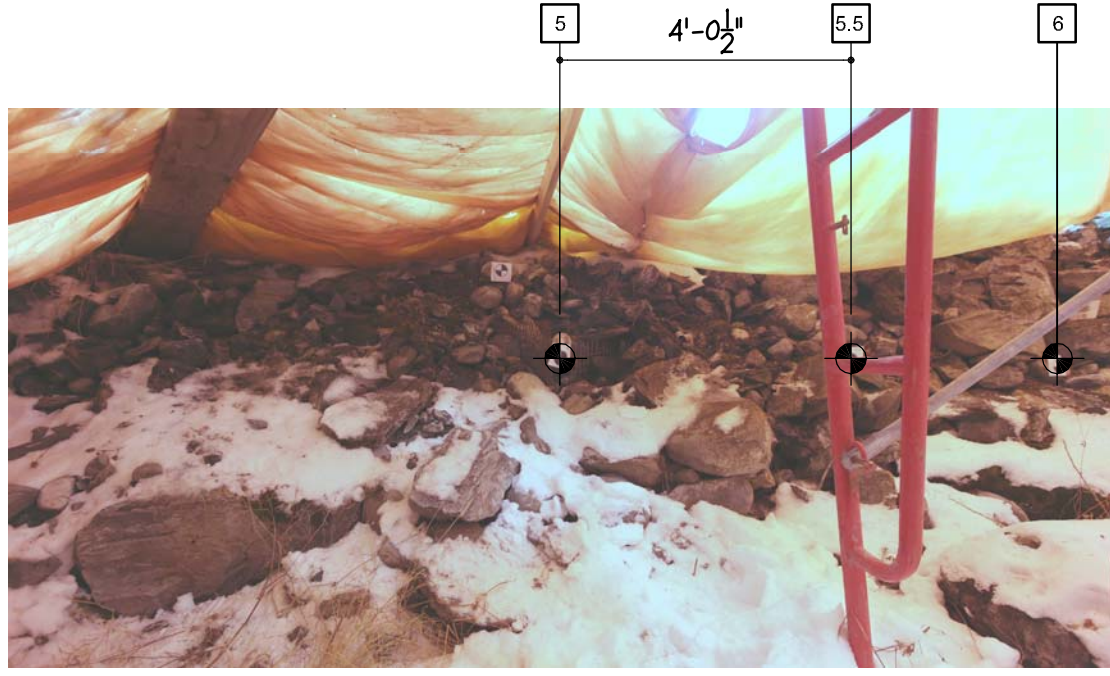


PHOTO #5

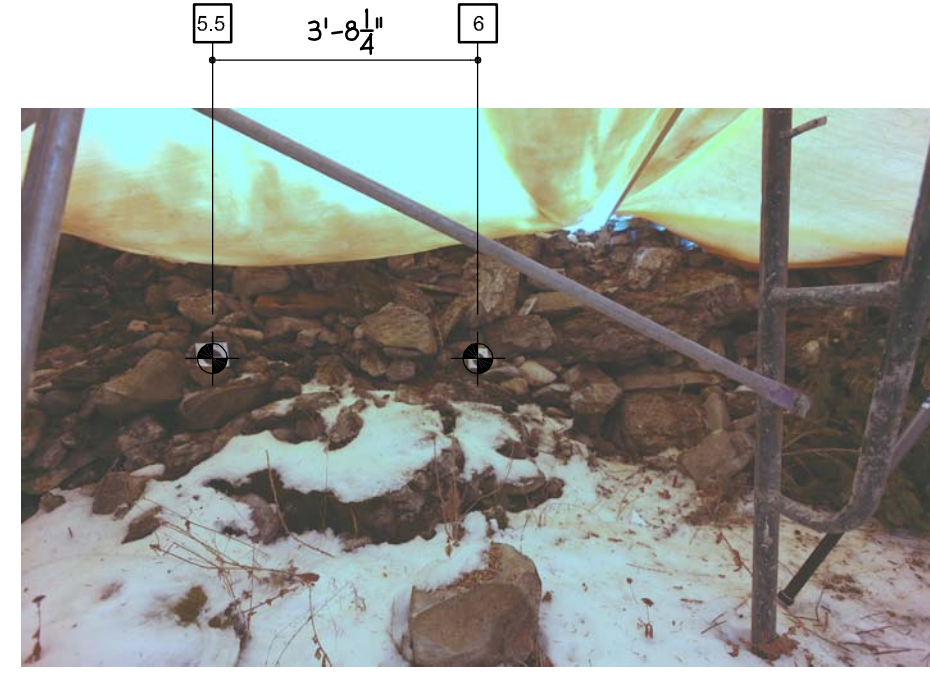


PHOTO #6

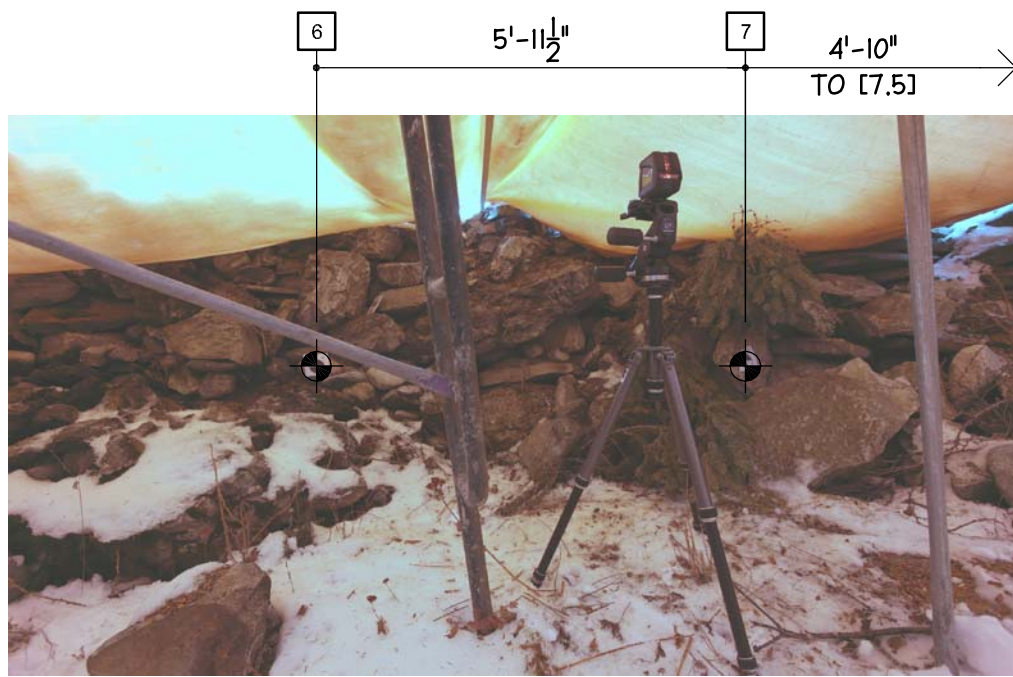


PHOTO #7

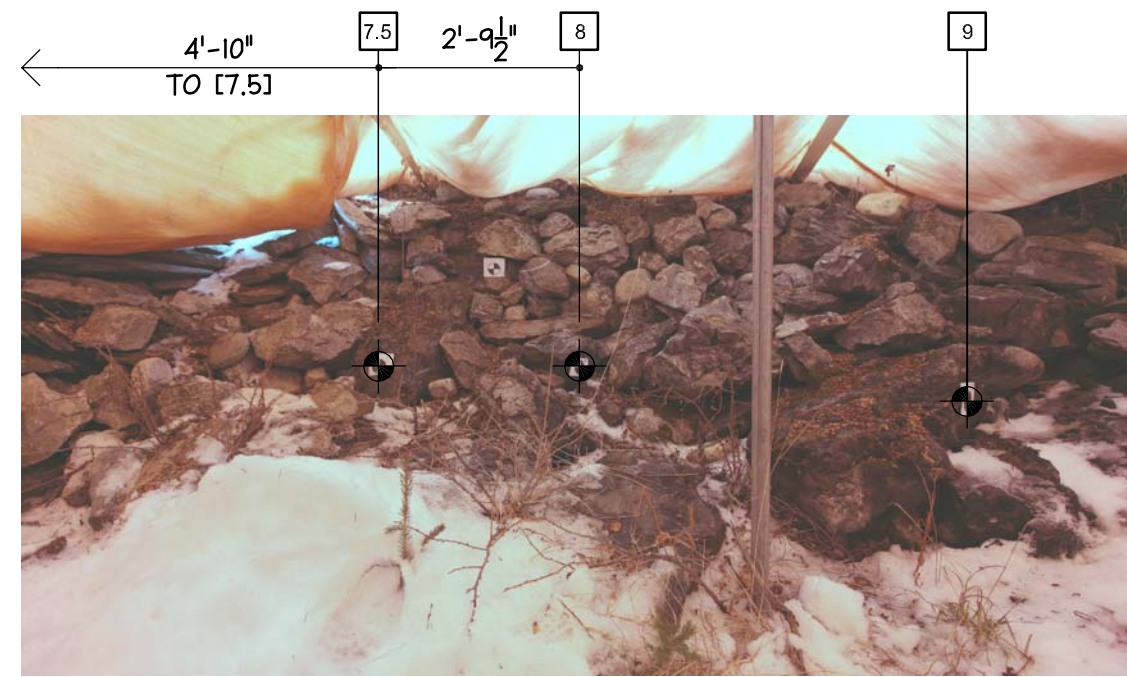
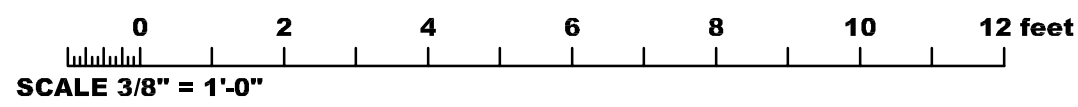


PHOTO #8



SCALE:	3/8" = 1'-0"±
Date:	APRIL 2014
Project No.	2670
Drawing No.	A4.2

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
AS-FOUND PHOTO REFERENCE

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.

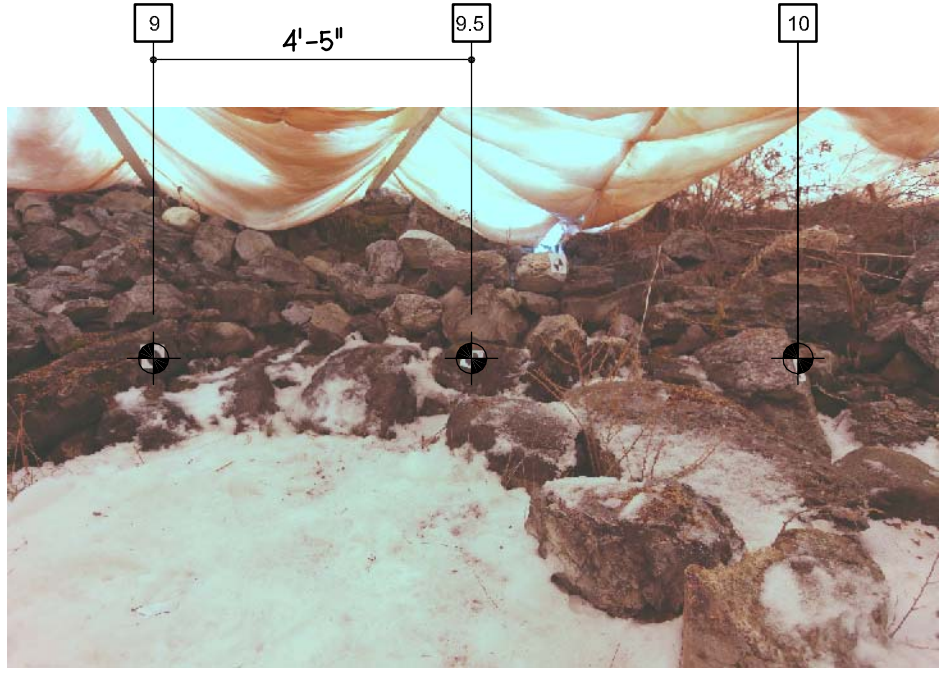


PHOTO #9

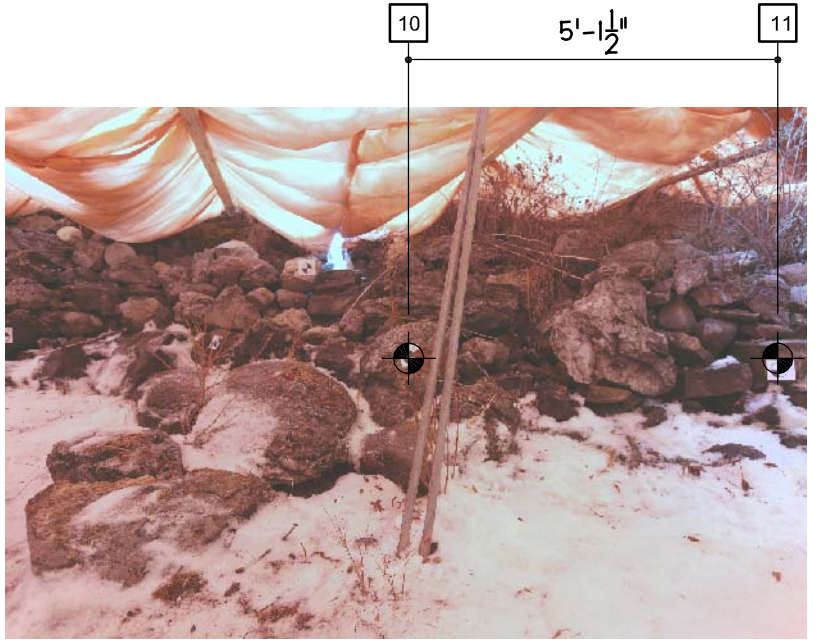


PHOTO #10

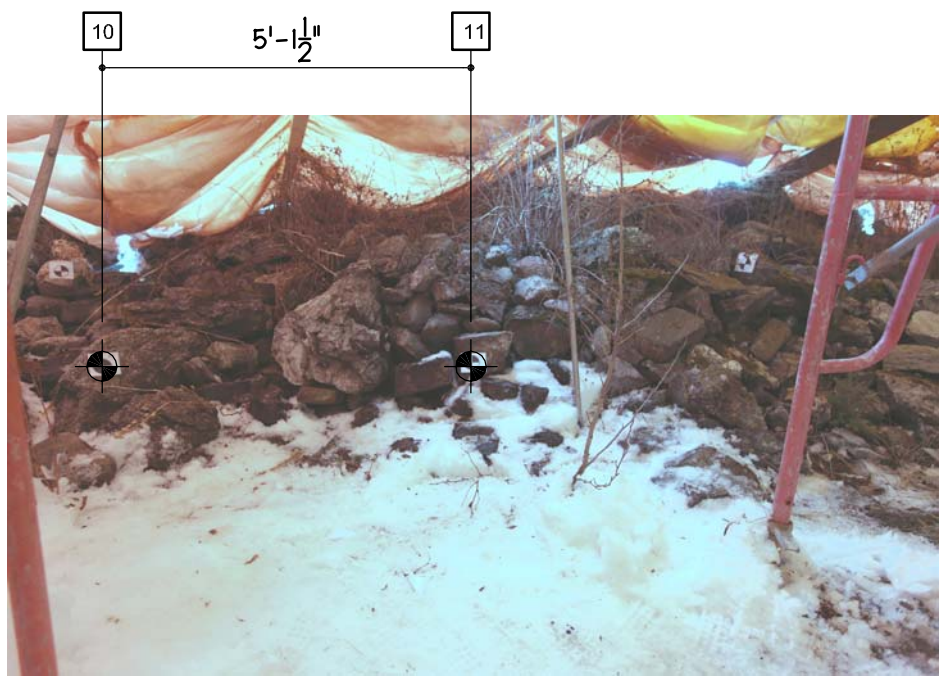


PHOTO #11

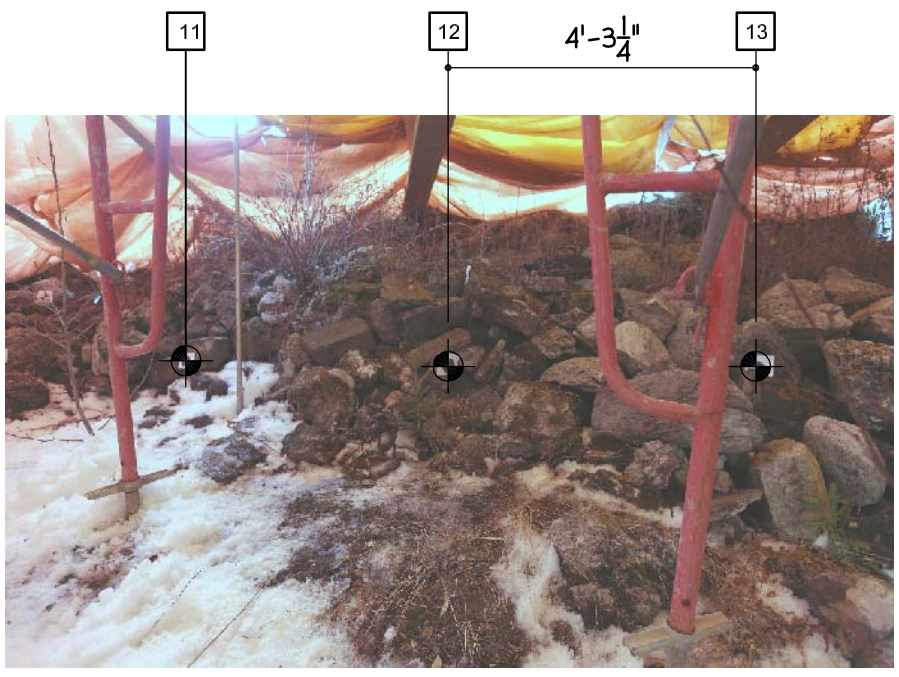
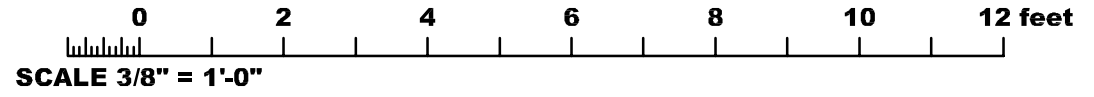


PHOTO #12



Project Name:	CASCADE GARDENS - CAMBRIAN POOL	
	REHABILITATION	
Drawing Title	AS-FOUND PHOTO REFERENCE	
	Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.	
SCALE:	3/8" = 1'-0"±	
Date:	APRIL 2014	
Project No.	2670	Drawing No.
		A4.3

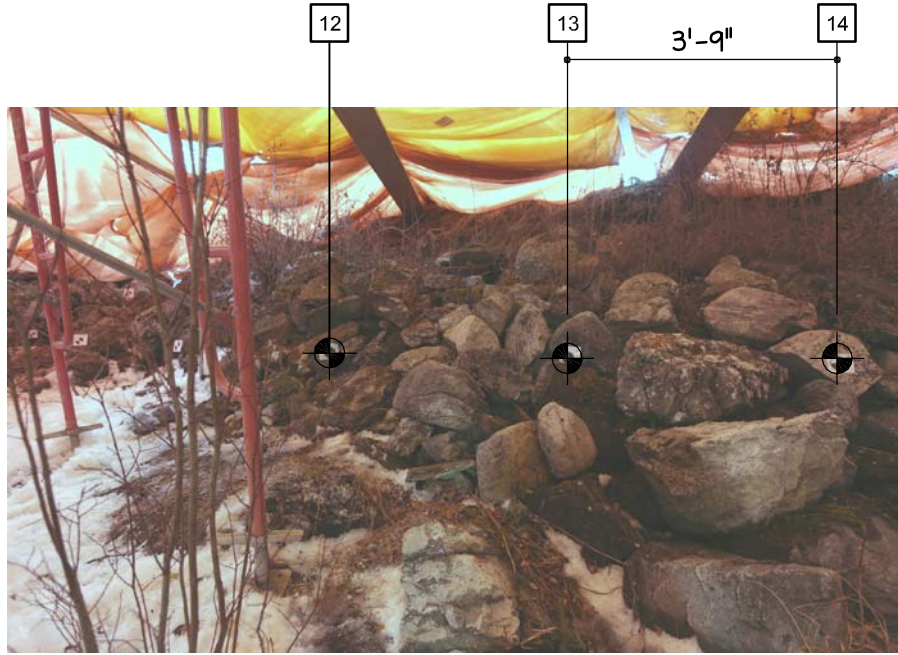


PHOTO #13

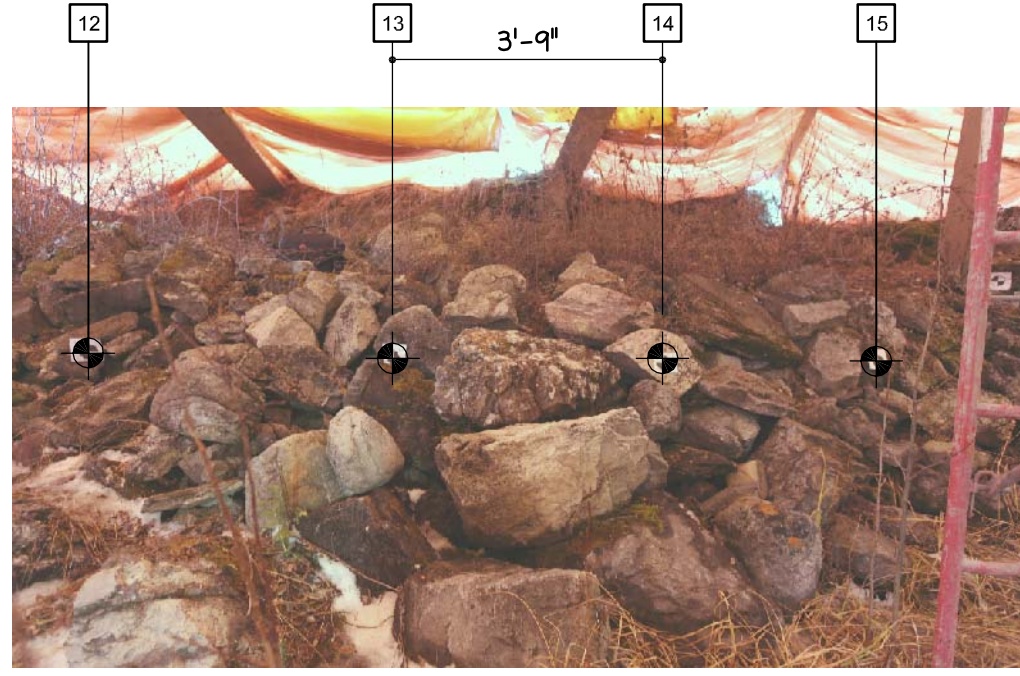


PHOTO #14

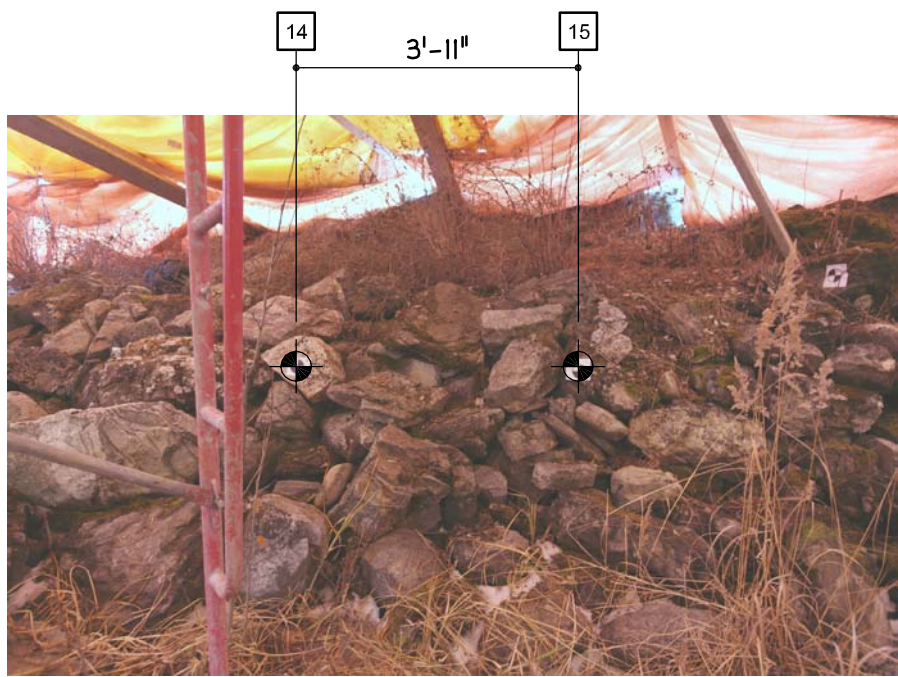


PHOTO #15

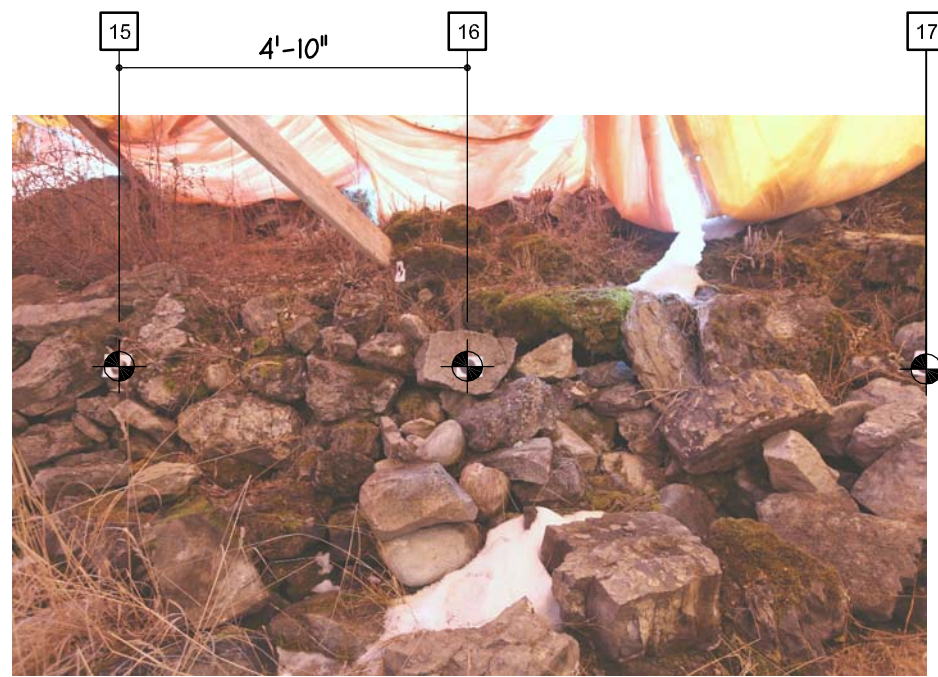
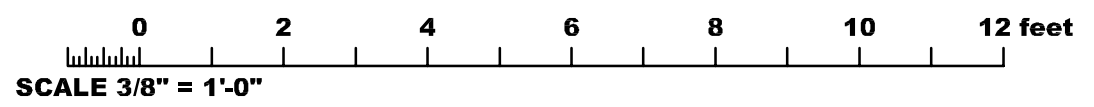


PHOTO #16



Project Name:		CASCADE GARDENS - CAMBRIAN POOL REHABILITATION BANFF, ALBERTA	
SCALE:	3/8" = 1'-0"±	Date:	APRIL 2014
Project No.	2670	Drawing No.	A4.4
Drawing Title		AS-FOUND PHOTO REFERENCE	
Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.			

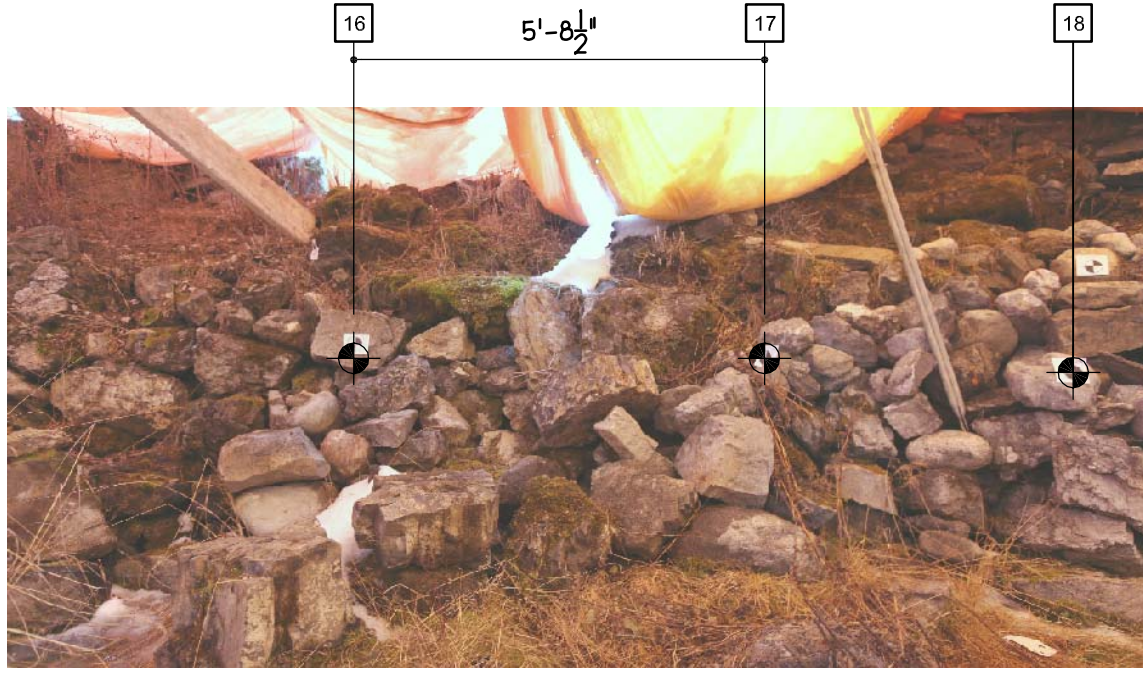


PHOTO #17

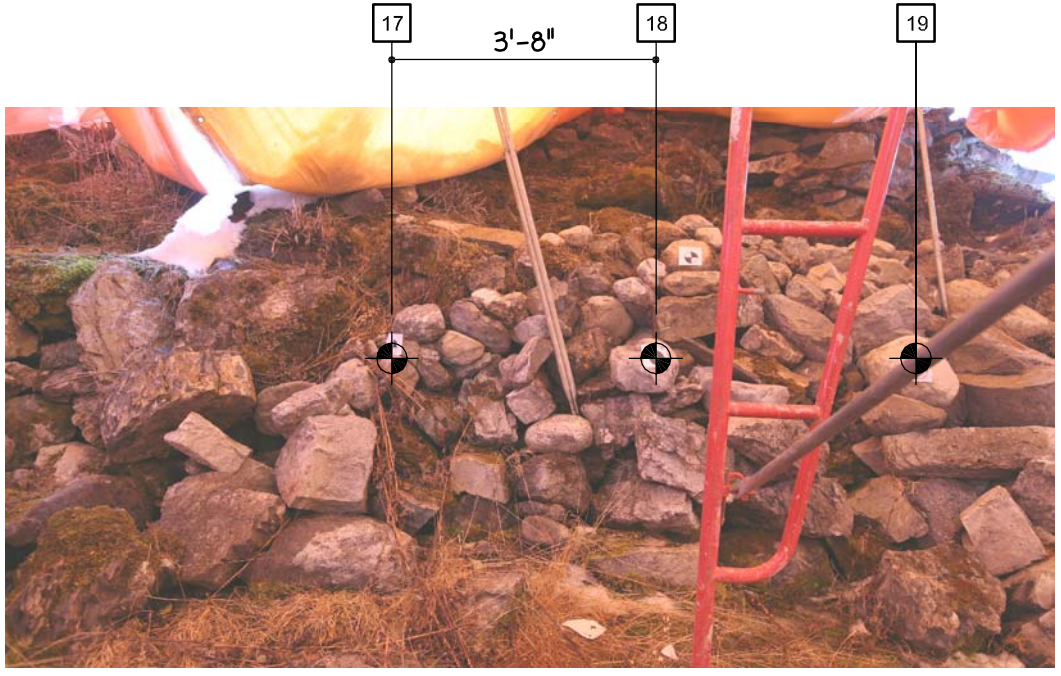


PHOTO #18

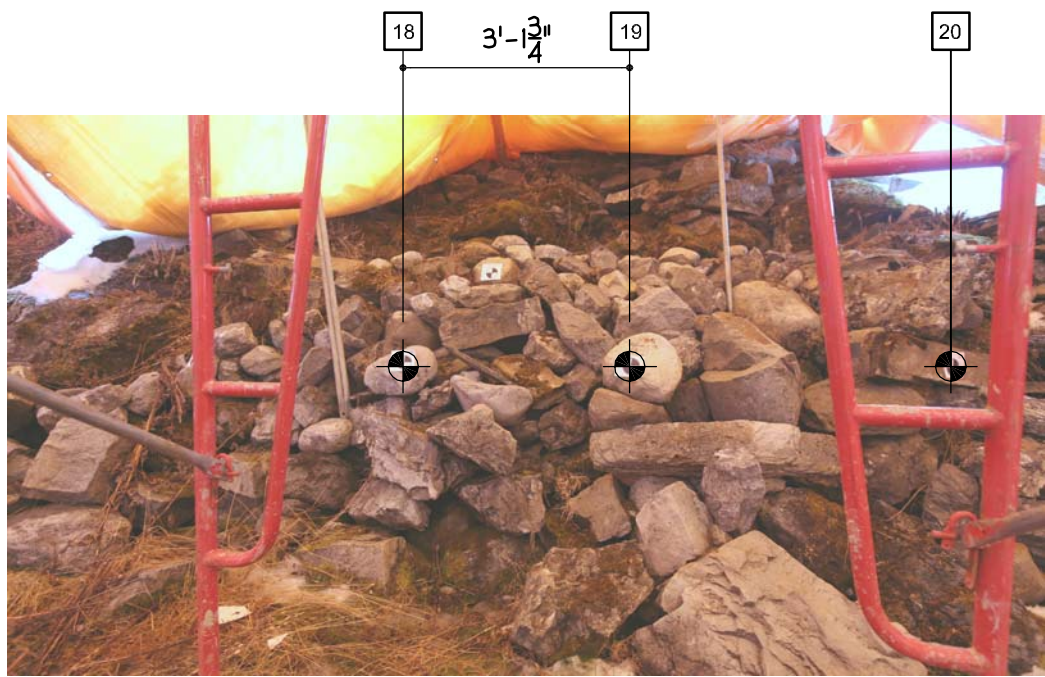


PHOTO #19

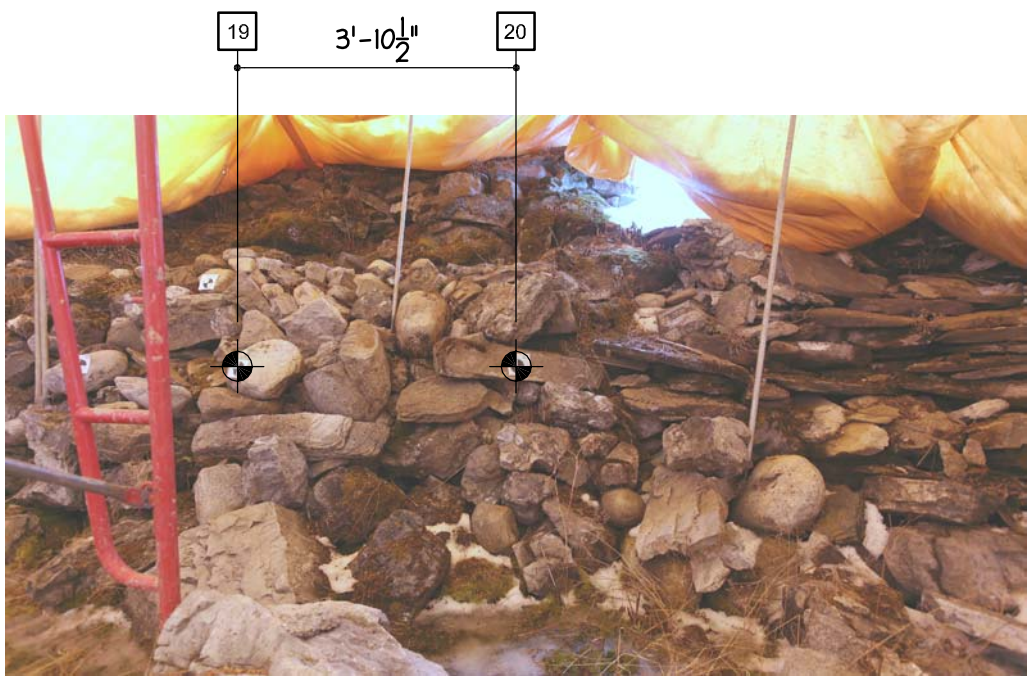
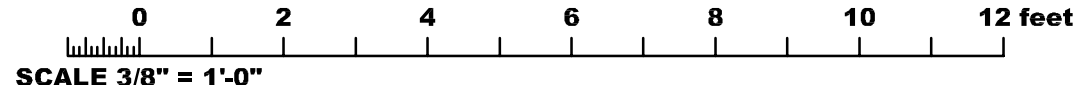


PHOTO #20



Project Name:		CASCADE GARDENS - CAMBRIAN POOL REHABILITATION BANFF, ALBERTA	
SCALE:	3/8" = 1'-0"±	Date:	APRIL 2014
Project No.	2670	Drawing No.	A4.5
Drawing Title		AS-FOUND PHOTO REFERENCE	
<small>Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.</small>			

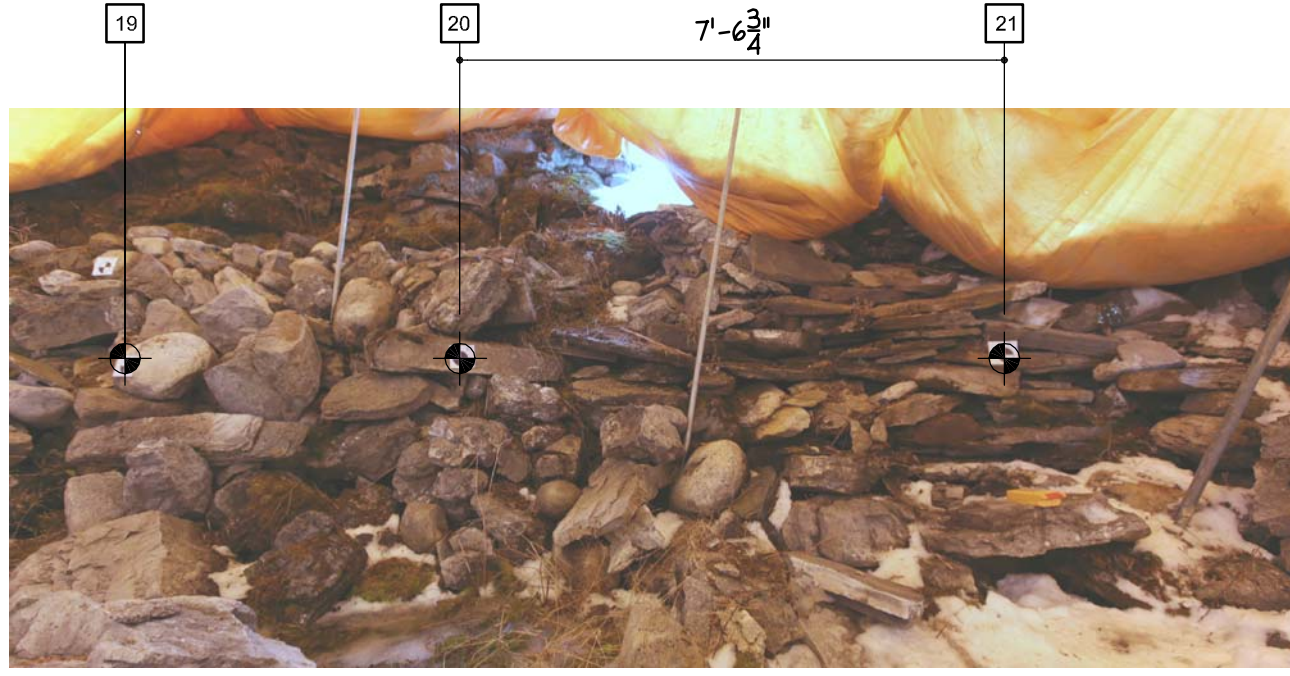


PHOTO #21

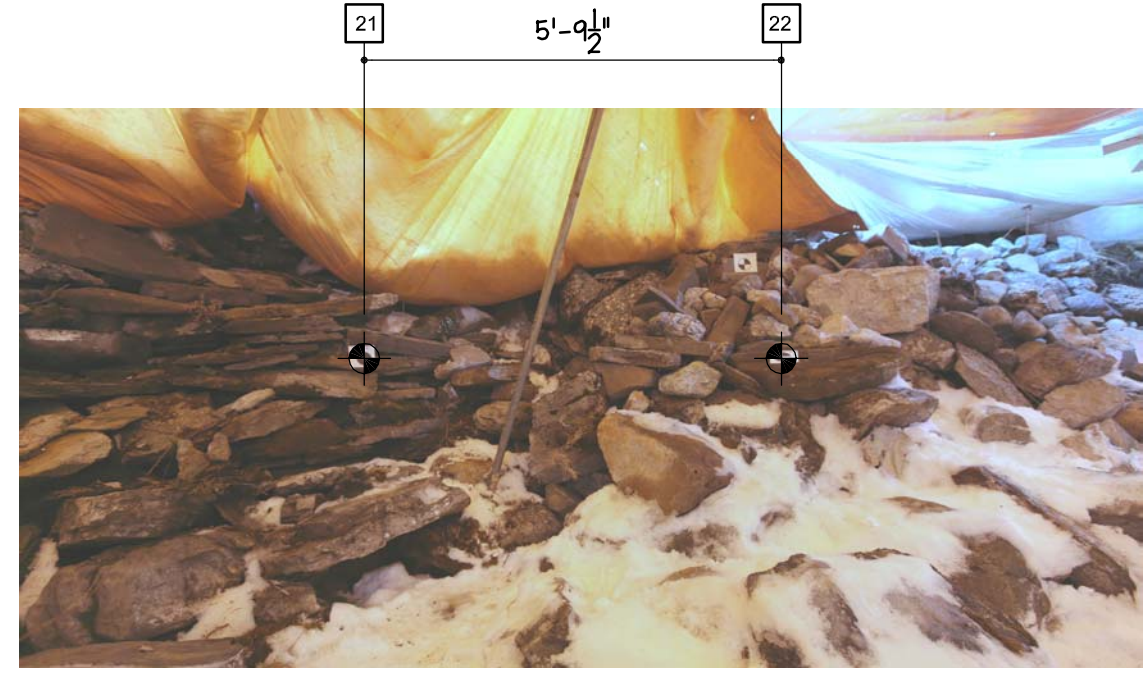


PHOTO #22

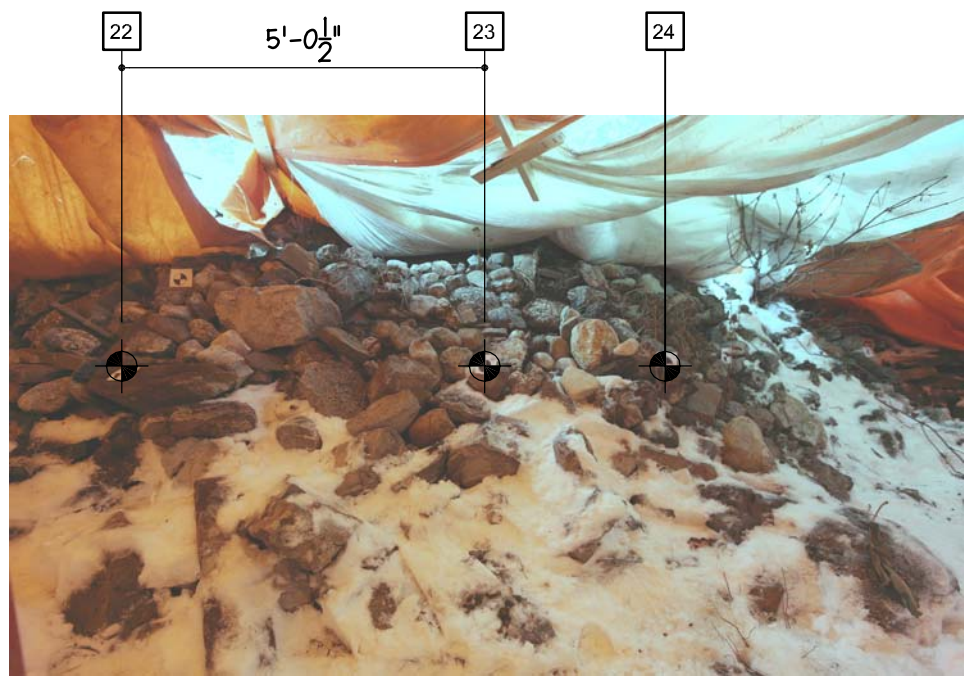
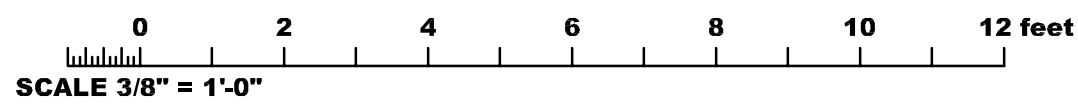


PHOTO #23



PHOTO #24



SCALE:	3/8" = 1'-0"±
Date:	APRIL 2014
Project No.	2670
Drawing No.	A4.6

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
AS-FOUND PHOTO REFERENCE

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.



PHOTO #25

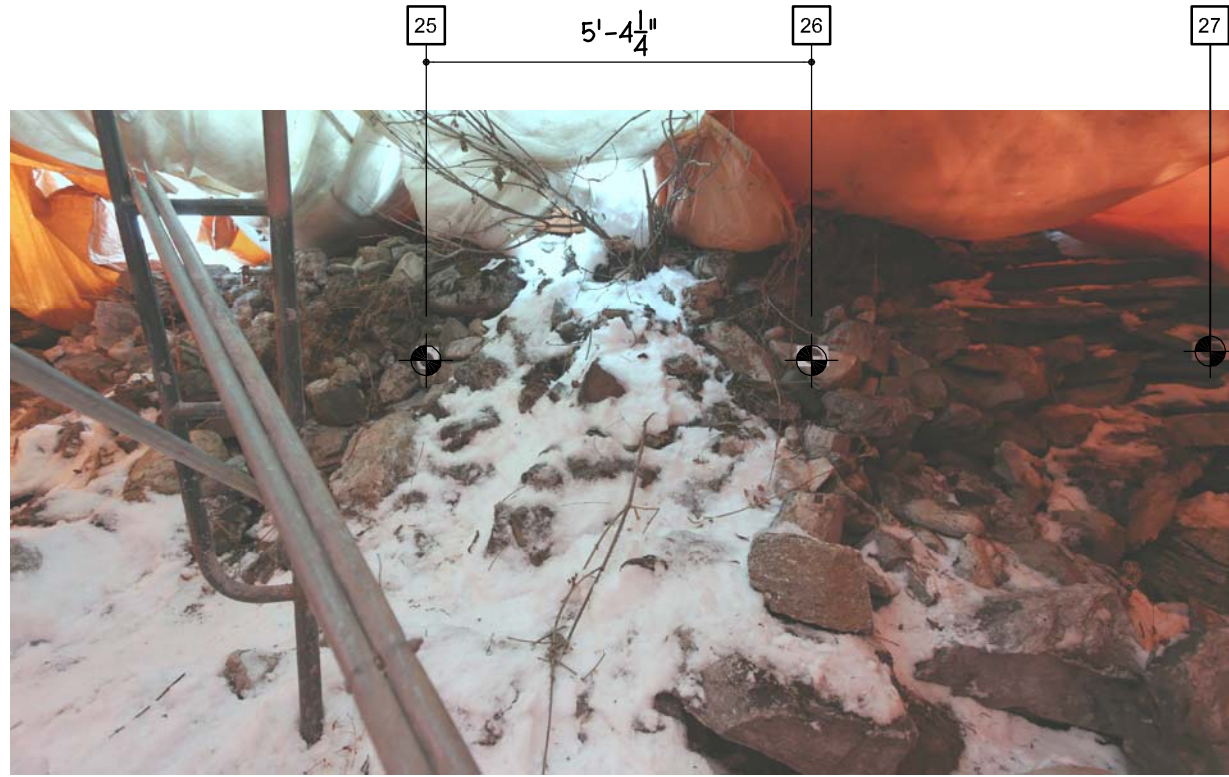


PHOTO #26

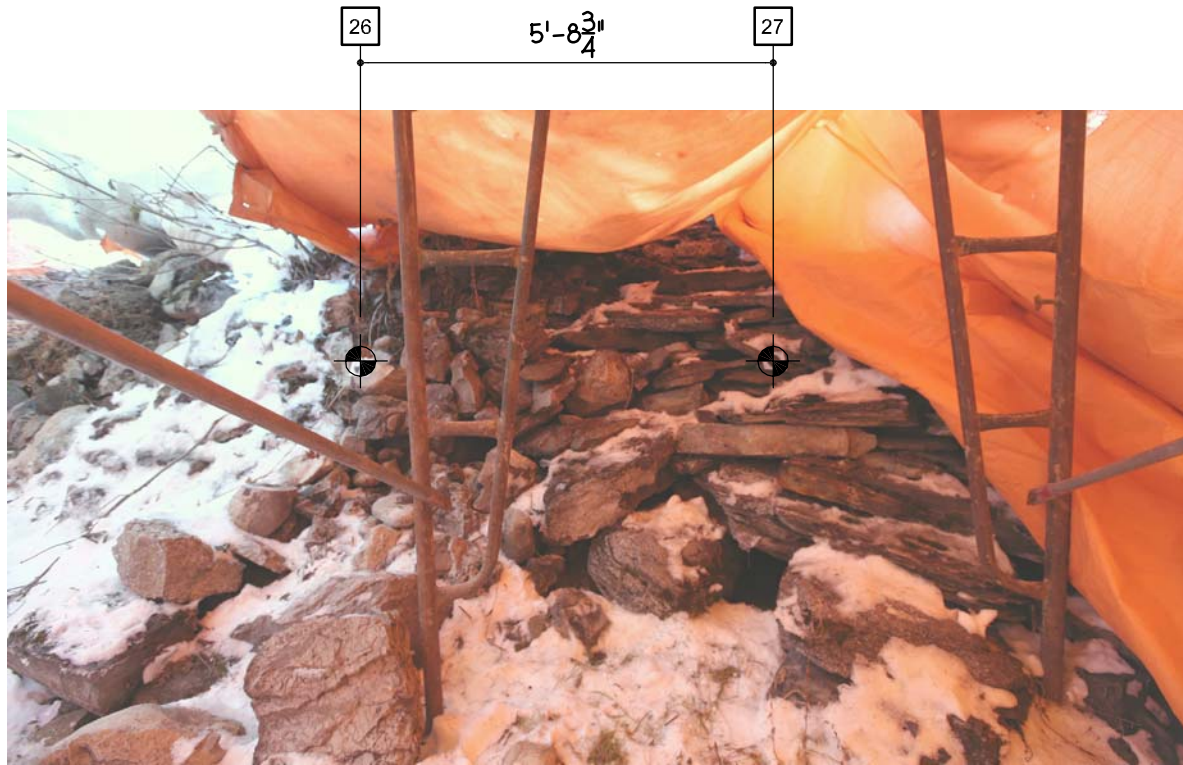
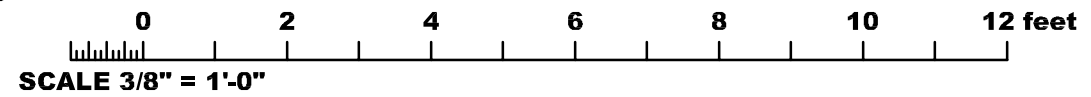


PHOTO #27



PHOTO #28



SCALE:	3/8" = 1'-0"±
Date:	APRIL 2014
Project No.	2670
Drawing No.	A4.7

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
AS-FOUND PHOTO REFERENCE

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.

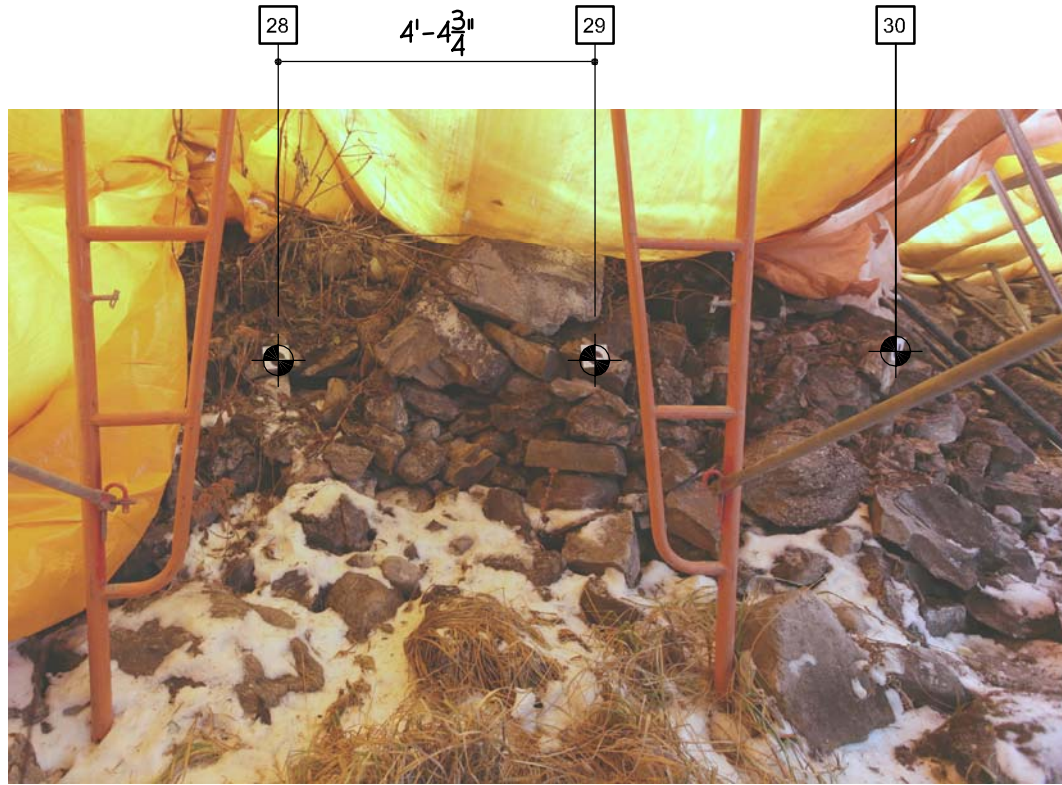


PHOTO #29

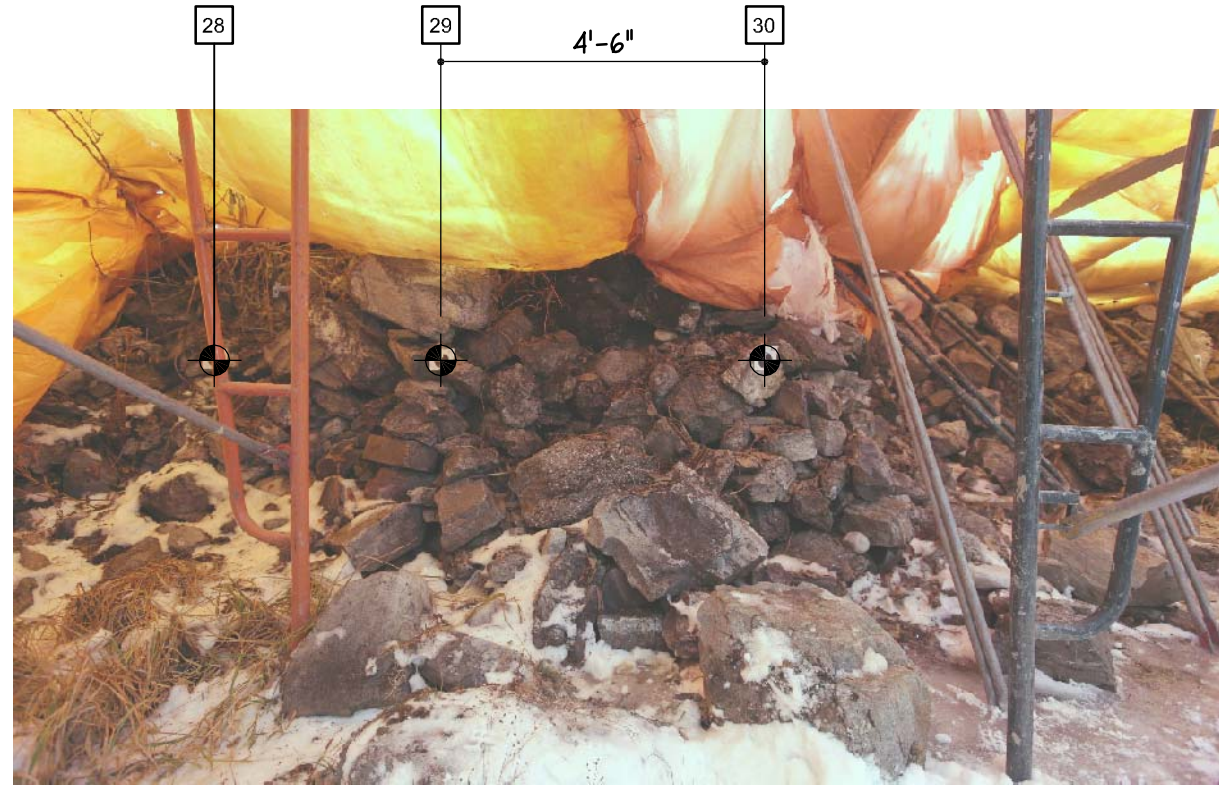


PHOTO #30

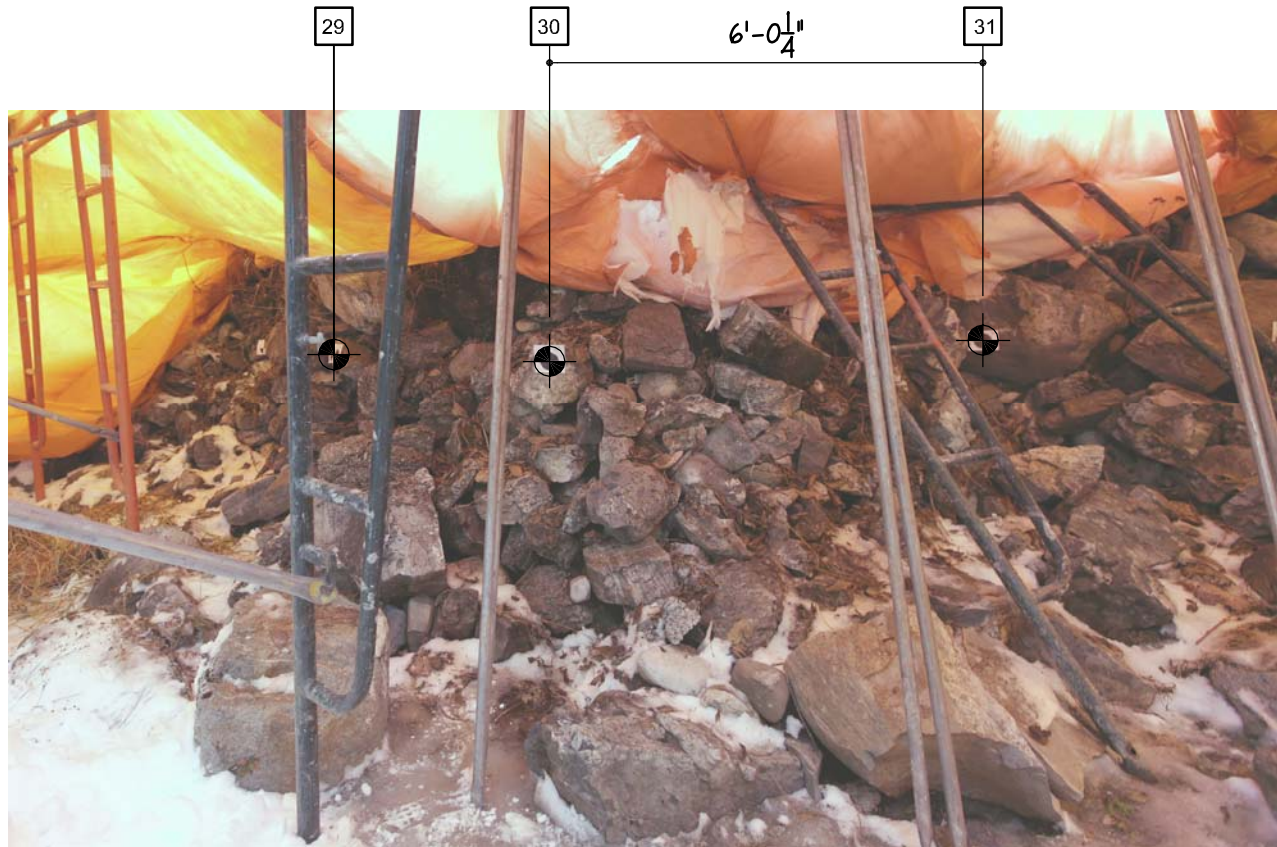
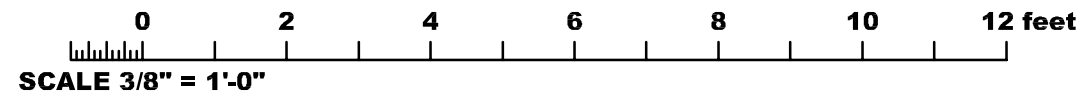


PHOTO #31



PHOTO #32



SCALE:	3/8" = 1'-0"±
Date:	APRIL 2014
Project No.	2670
Drawing No.	A4-8

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
AS-FOUND PHOTO REFERENCE

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.



PHOTO #33

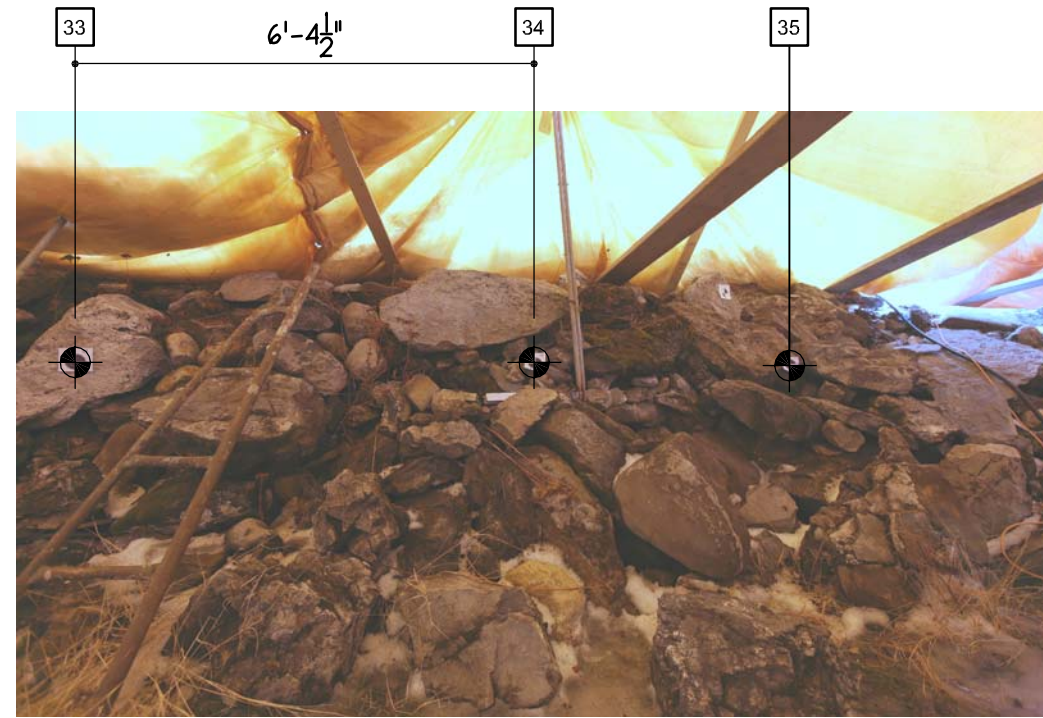


PHOTO #34

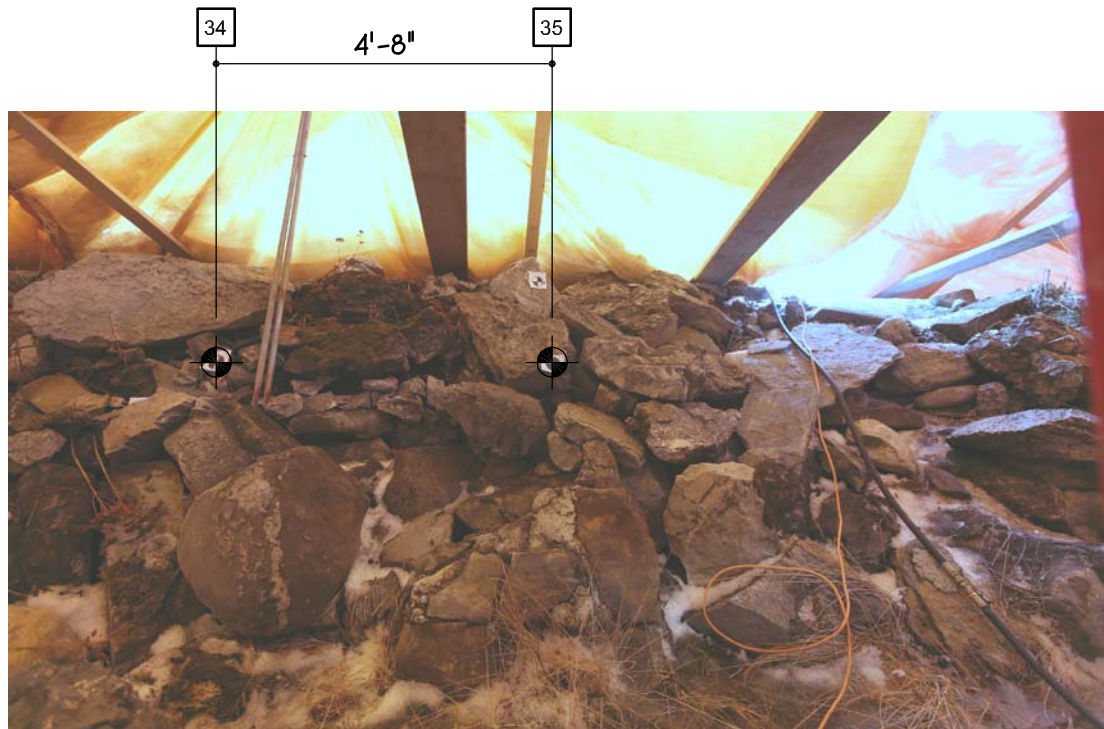


PHOTO #35

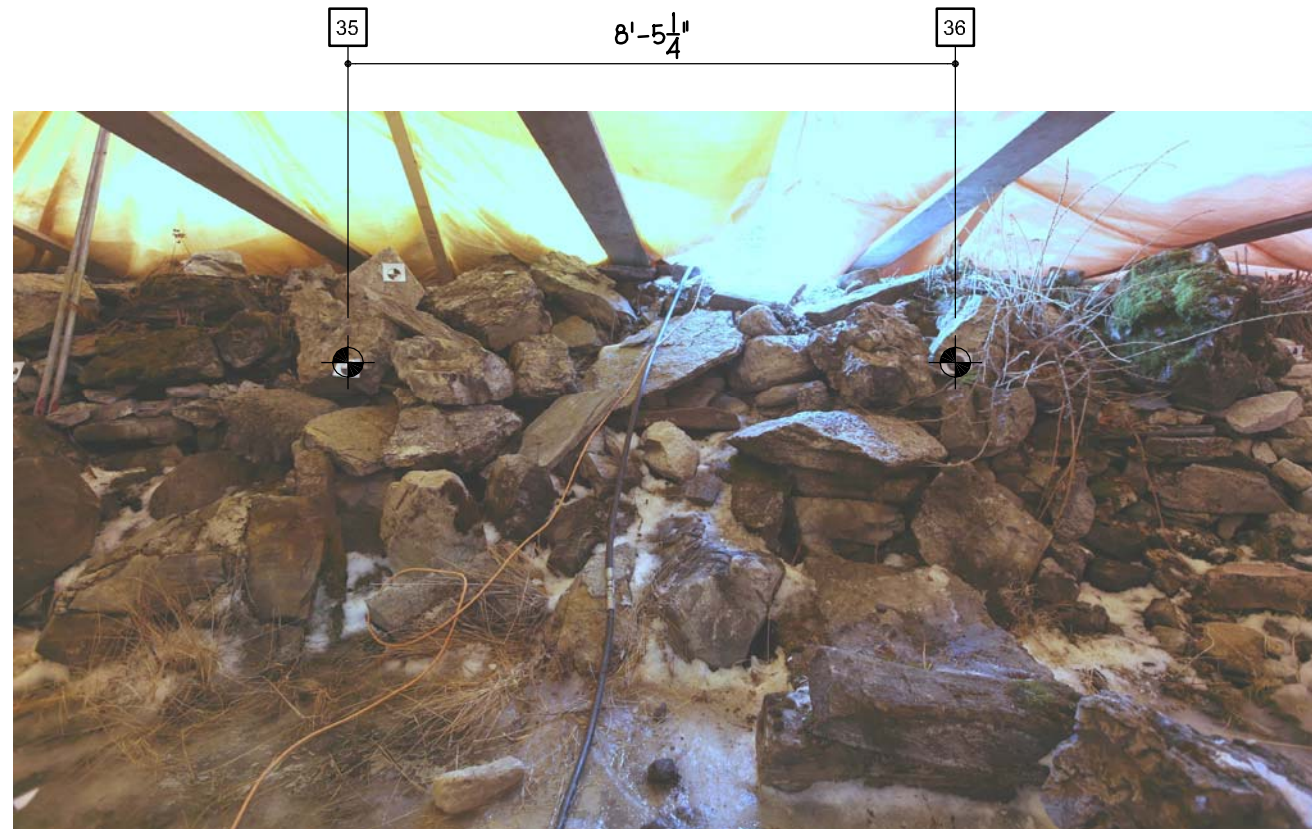
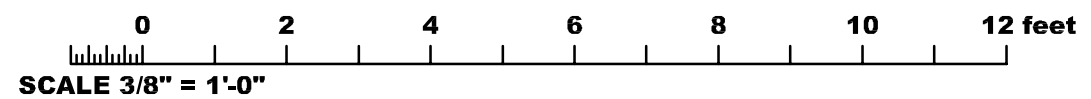


PHOTO #36



SCALE:	3/8" = 1'-0"±
Date:	APRIL 2014
Project No.	2670
Drawing No.	A4.9

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
AS-FOUND PHOTO REFERENCE

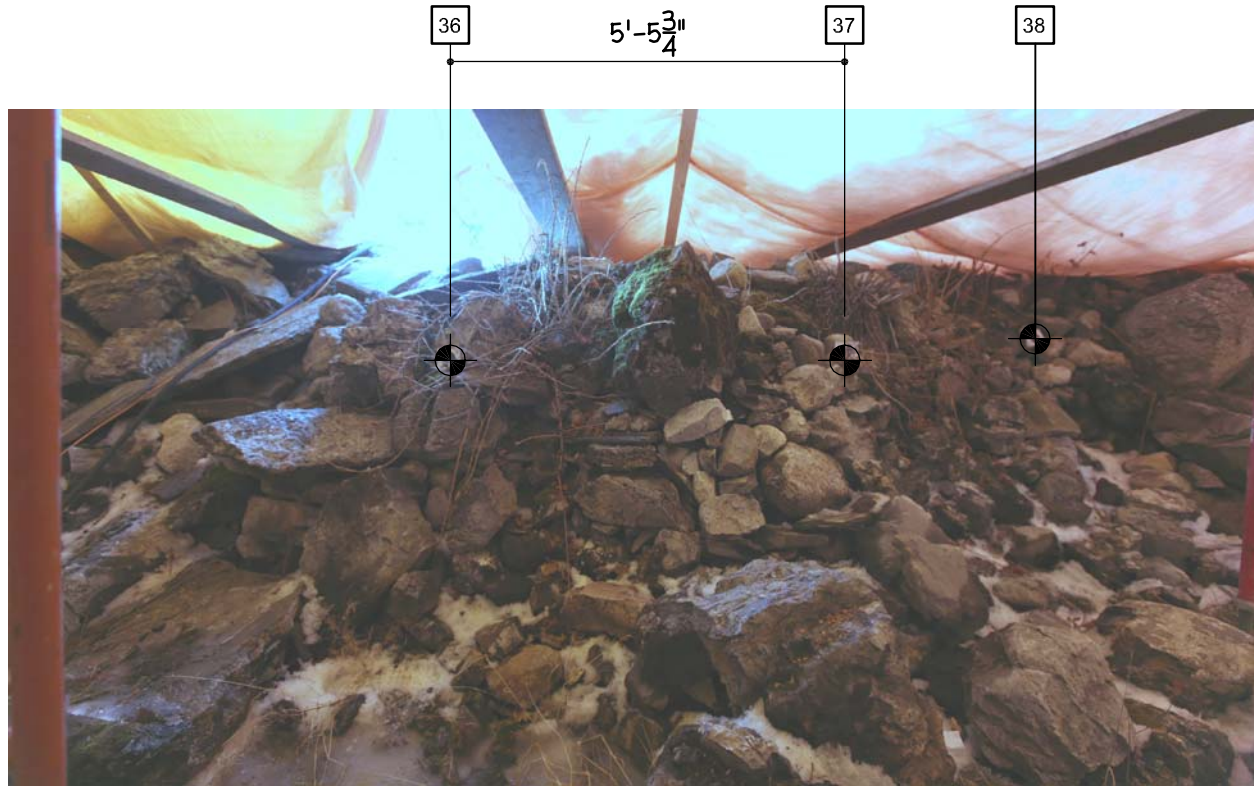


PHOTO #37

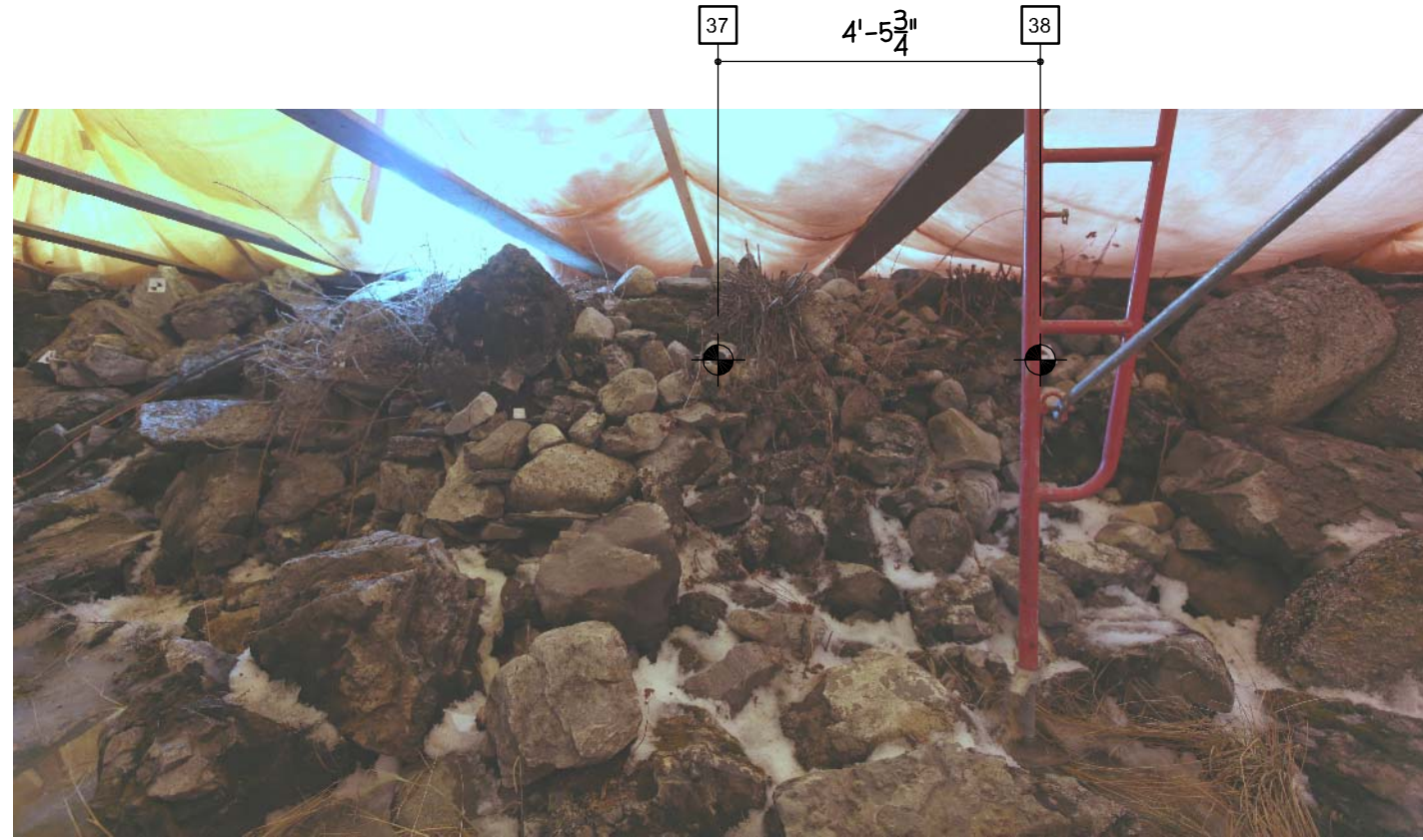


PHOTO #38

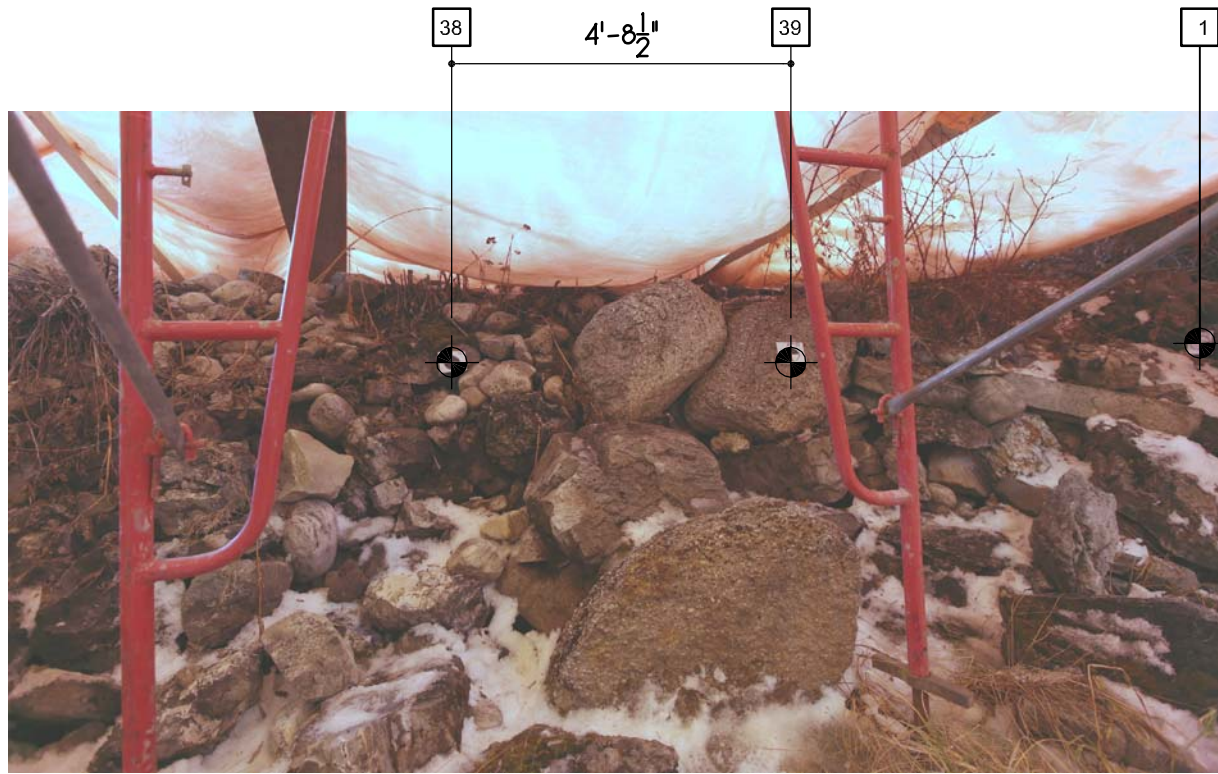
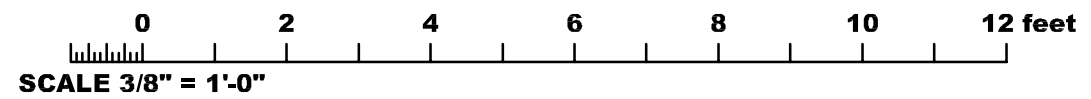


PHOTO #39



PHOTO #40



SCALE:	3/8" = 1'-0"±
Date:	APRIL 2014
Project No.	2670
Drawing No.	A4-10

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
AS-FOUND PHOTO REFERENCE

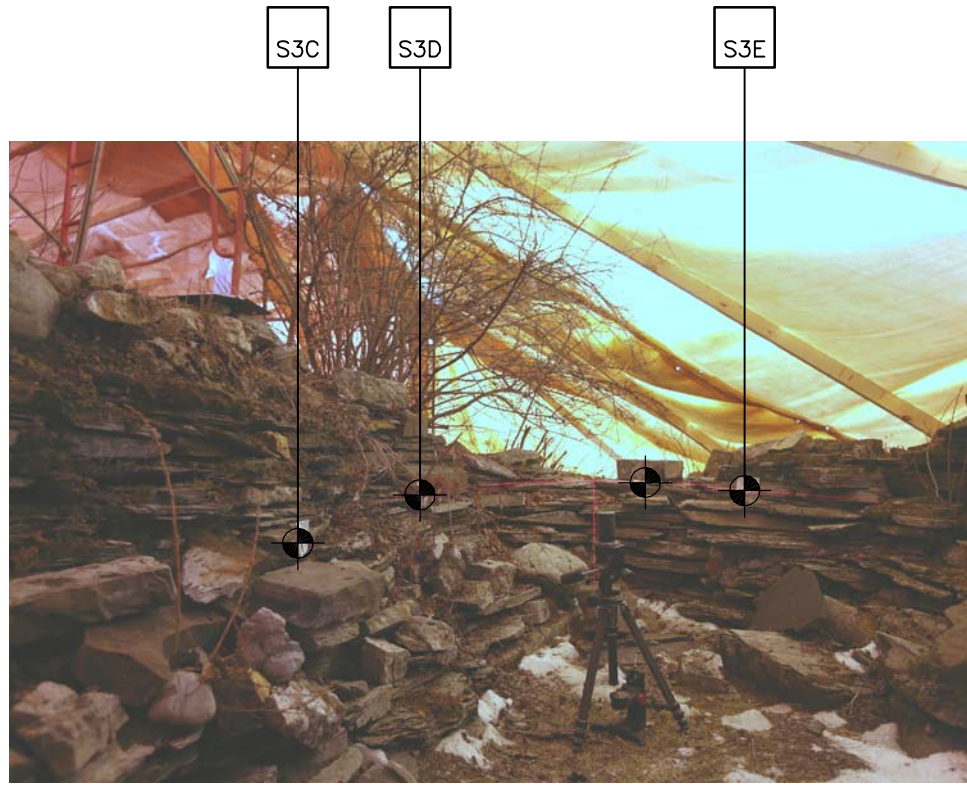


PHOTO #C1

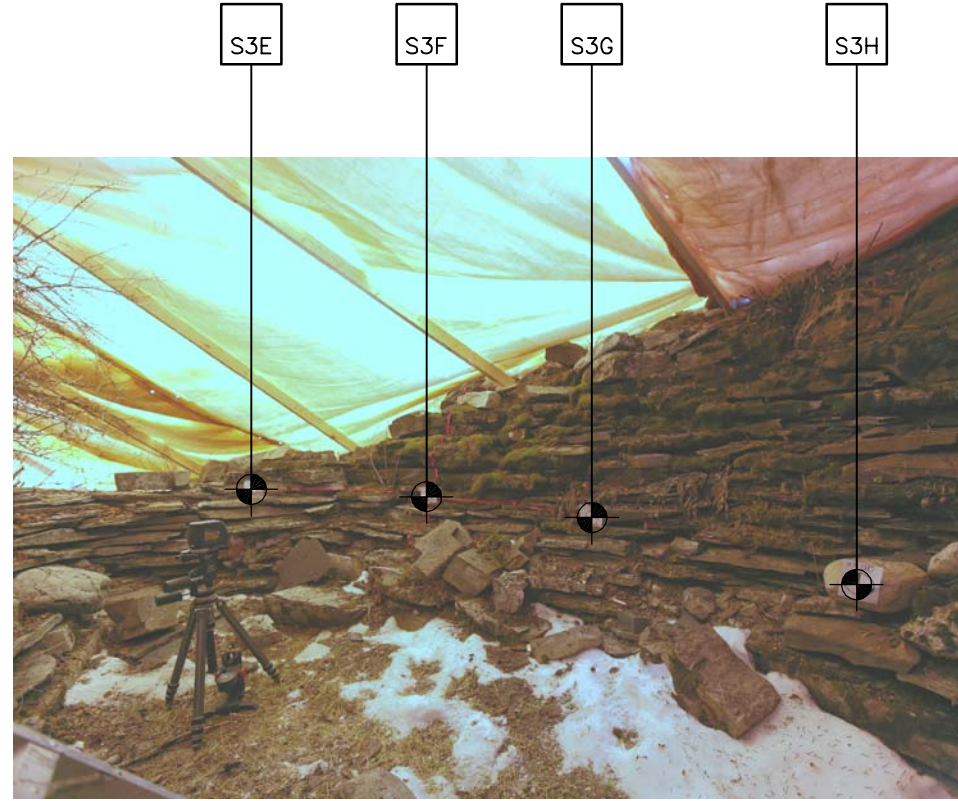


PHOTO #C2

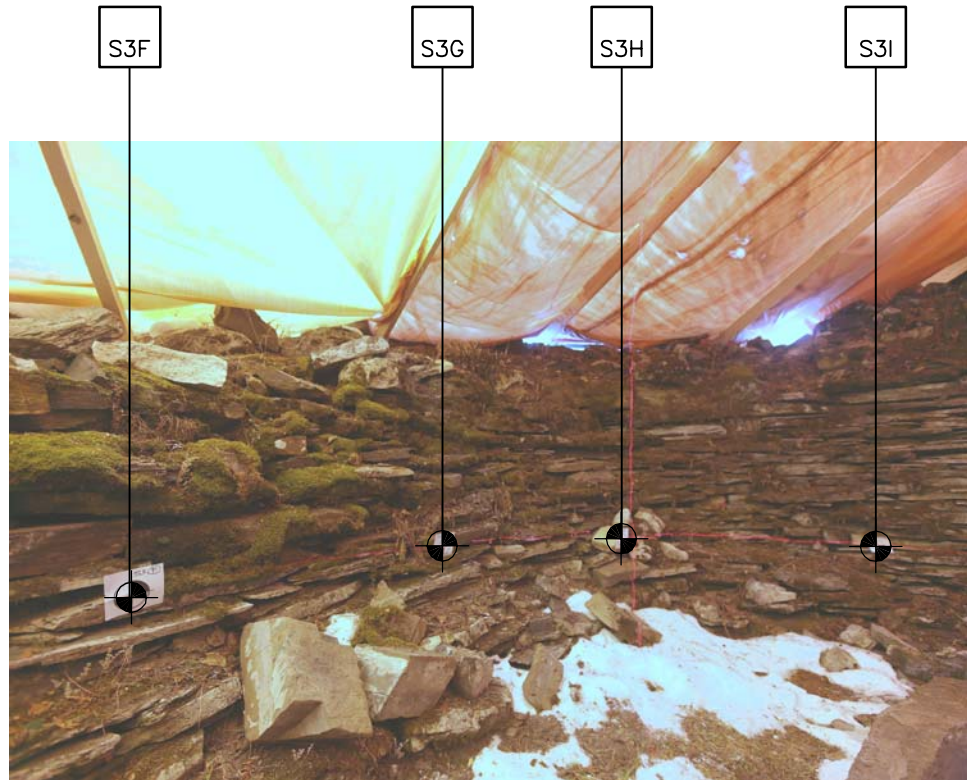


PHOTO #C3

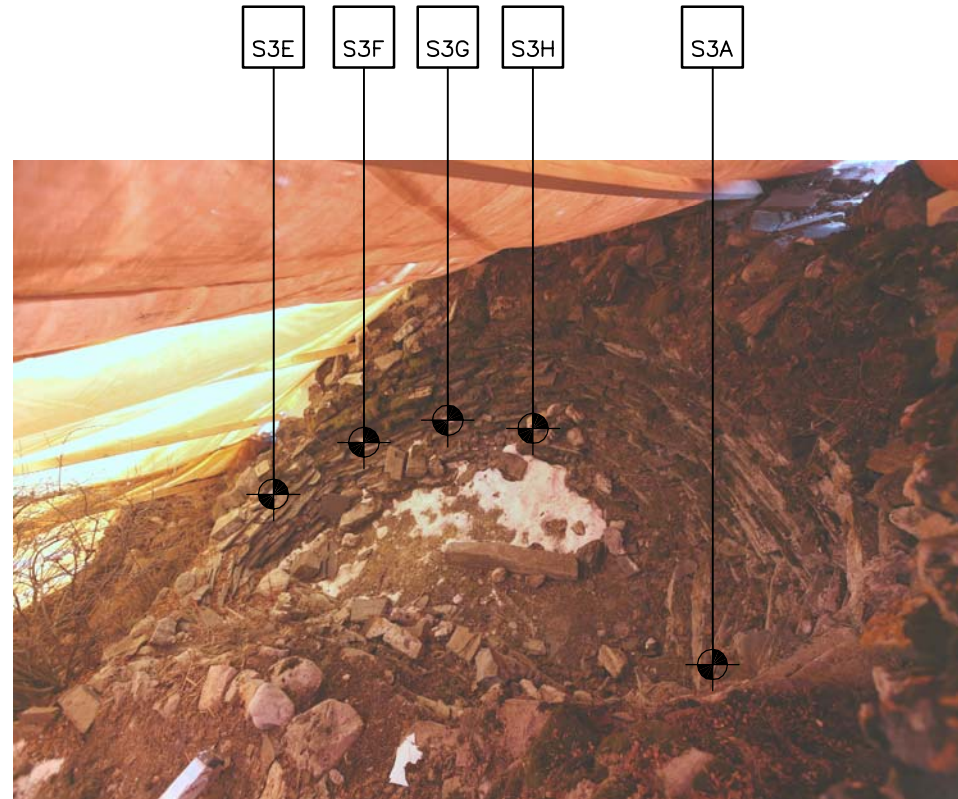


PHOTO #C4

SCALE:	AS NOTED
Date:	APRIL 2014
Project No.	2670
Drawing No.	A4.11

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
 REHABILITATION
 BANFF, ALBERTA**

Drawing Title
SOUTH CASCADE POOL S3 - AS-FOUND PHOTO REF.

Filename: S:\2670 Cascade Gardens\2670 WD_2014 S_Cascade Photos.dwg Print Date: Apr 09, 2014, Time: 1:22 p.m.

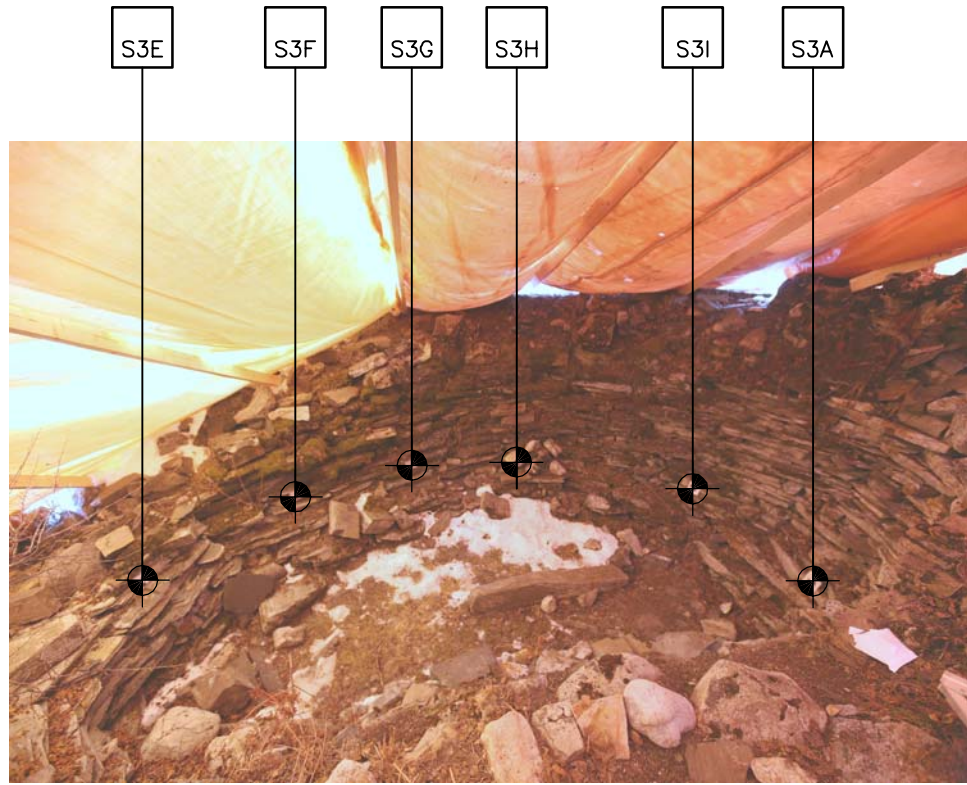


PHOTO #C5

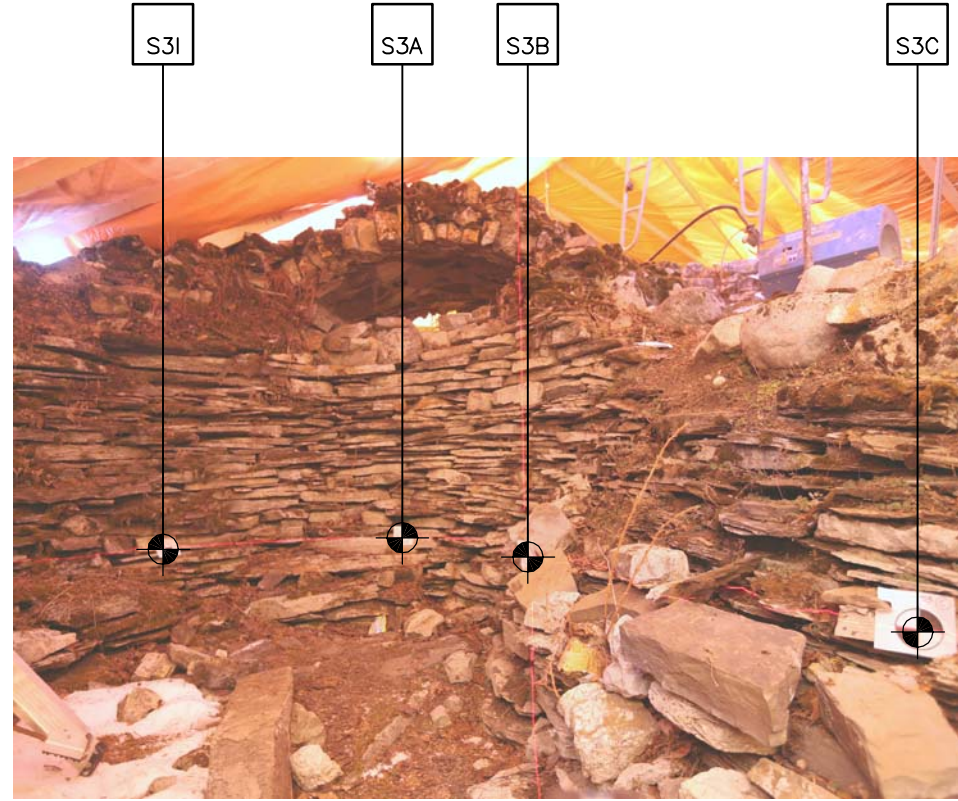


PHOTO #C6

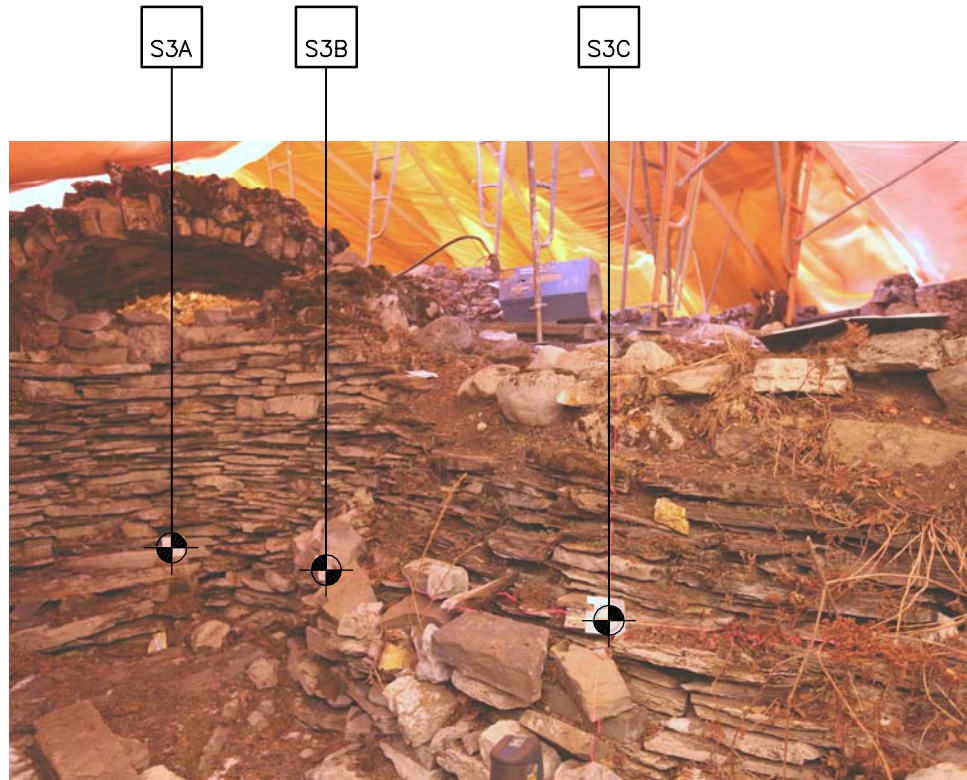


PHOTO #C7

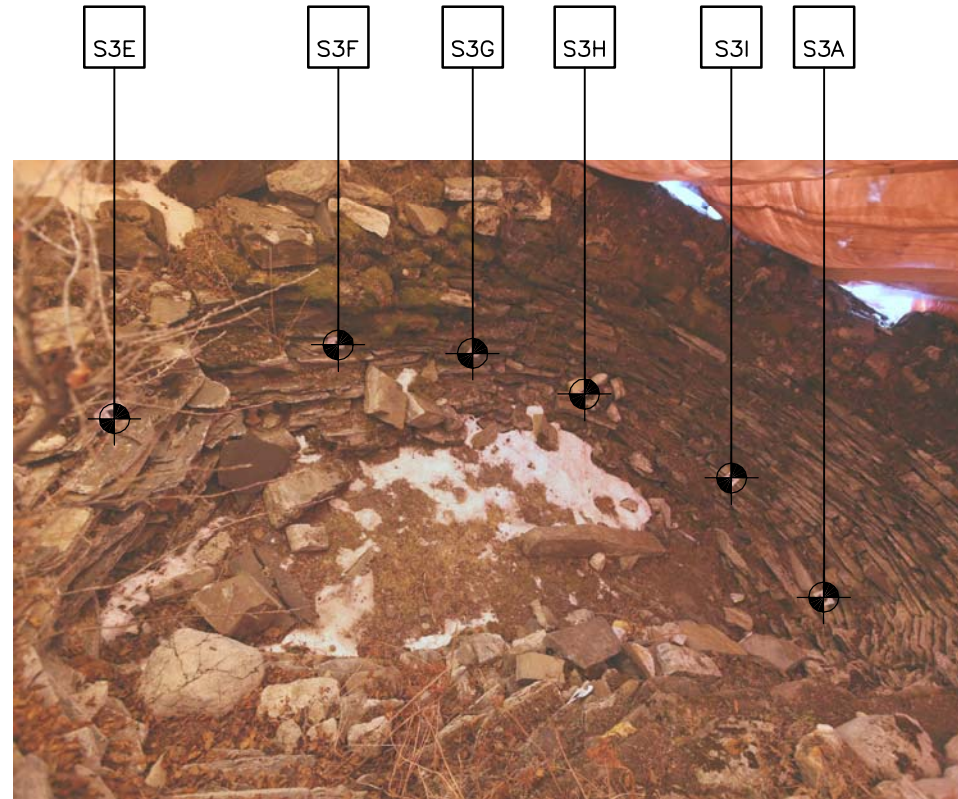


PHOTO #C8

SCALE:	AS NOTED
Date:	APRIL 2014
Project No.	2670
Drawing No.	A4.12

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
SOUTH CASCADE POOL S3 - AS-FOUND PHOTO REF.

Filename: S:\2670 Cascade Gardens\2670_WD_2014_S_Cascade Photos.dwg Print Date: Apr 09, 2014, Time: 1:22 p.m.

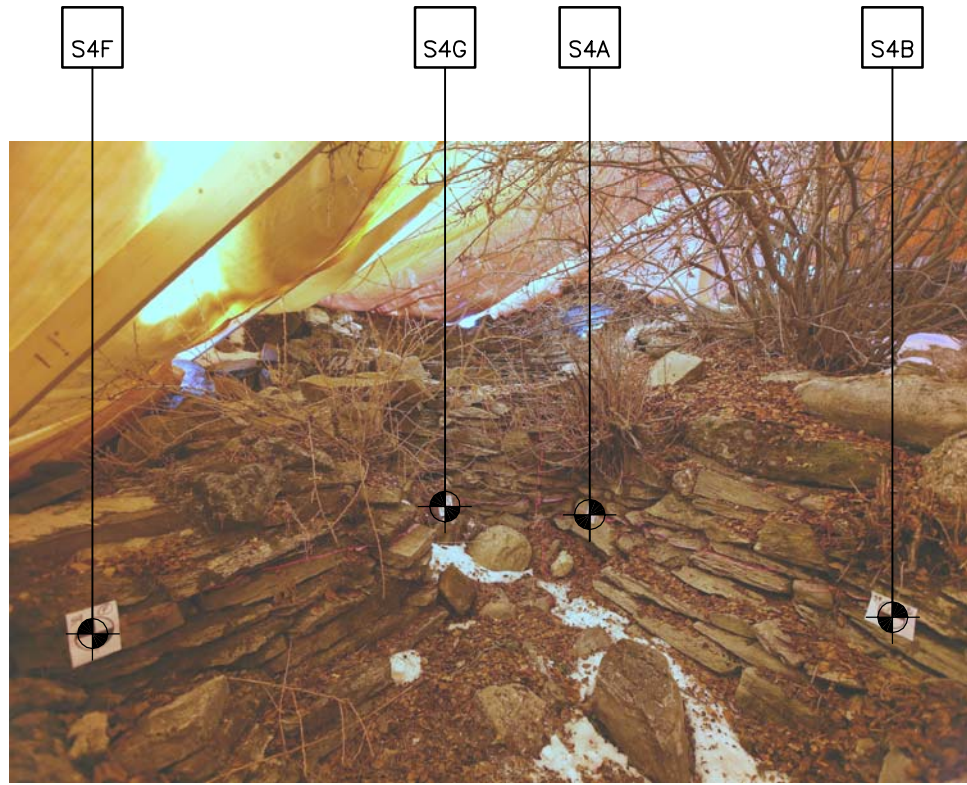


PHOTO #C9

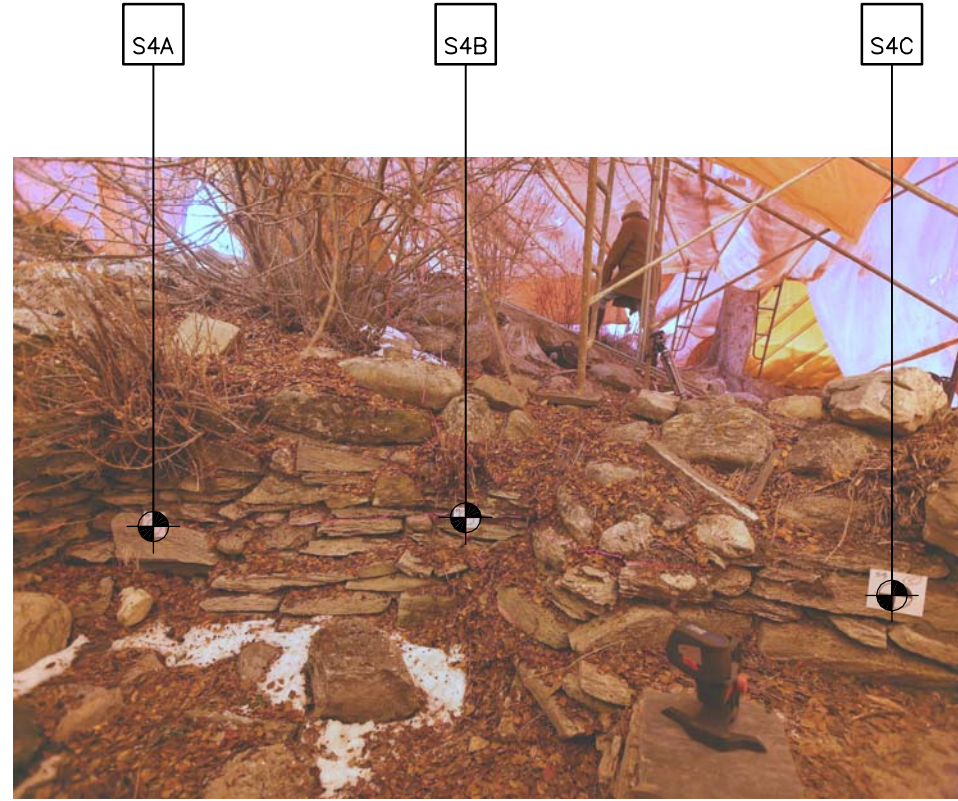


PHOTO #C10

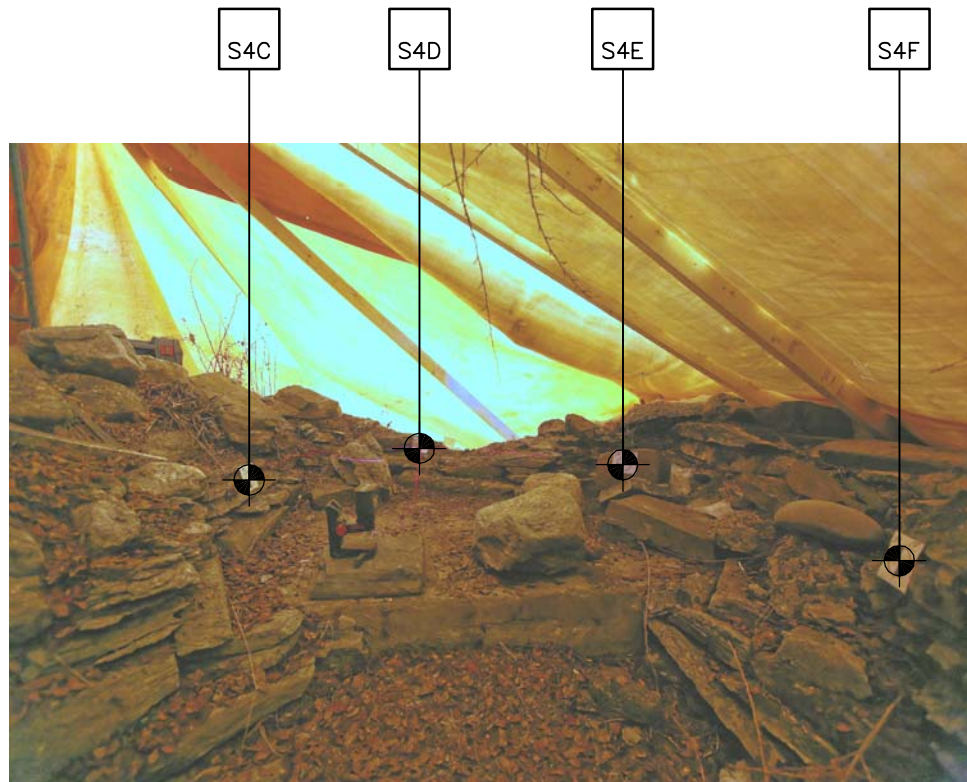


PHOTO #C11

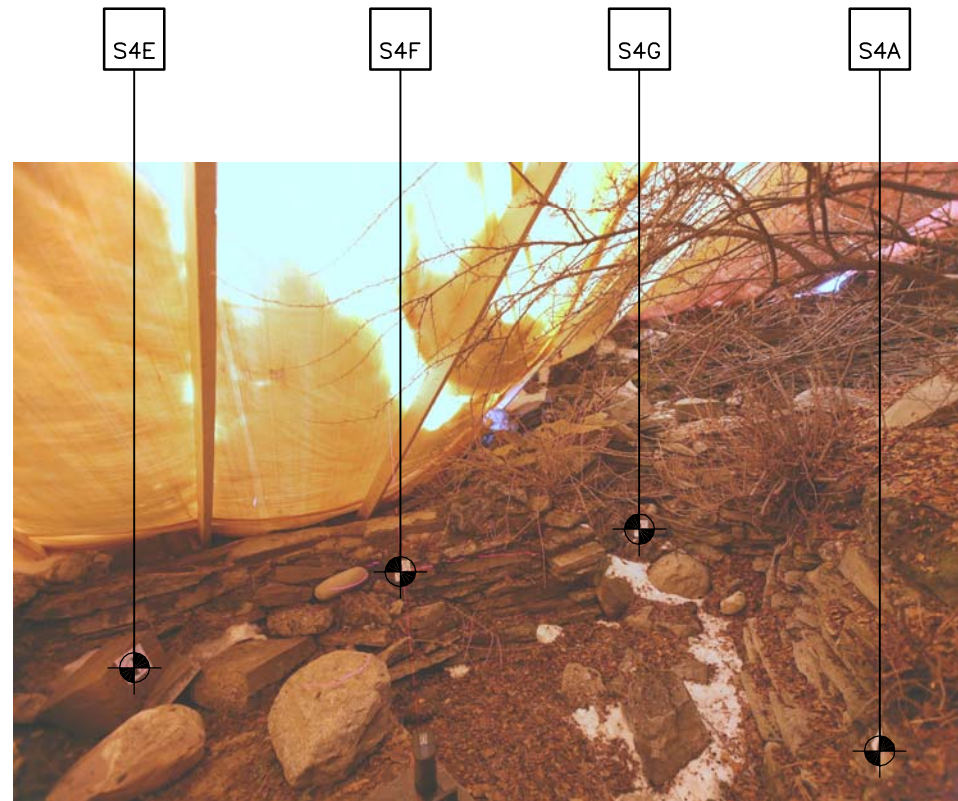


PHOTO #C12

SCALE:	AS NOTED
Date:	APRIL 2014
Project No.	2670
Drawing No.	A4.13

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
 REHABILITATION
 BANFF, ALBERTA**

Drawing Title
SOUTH CASCADE POOL S4 - AS-FOUND PHOTO REF.

Filename: S:\2670 Cascade Gardens\2670_WD_2014_S_Cascade Photos.dwg Print Date: Apr 09, 2014, Time: 1:22 p.m.

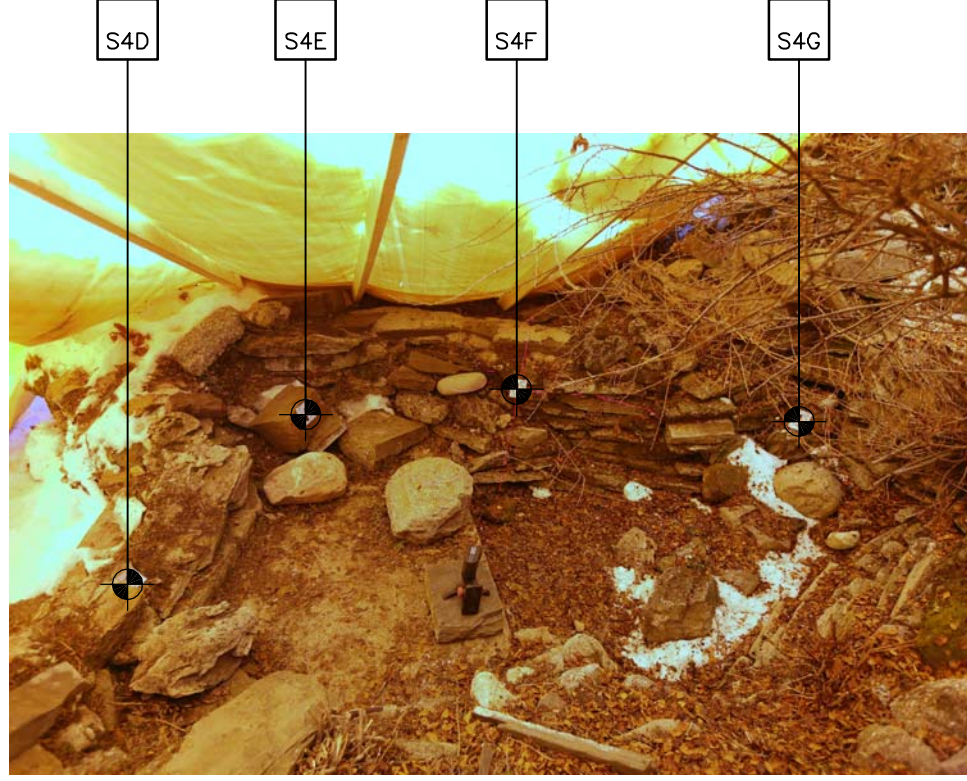


PHOTO #C13

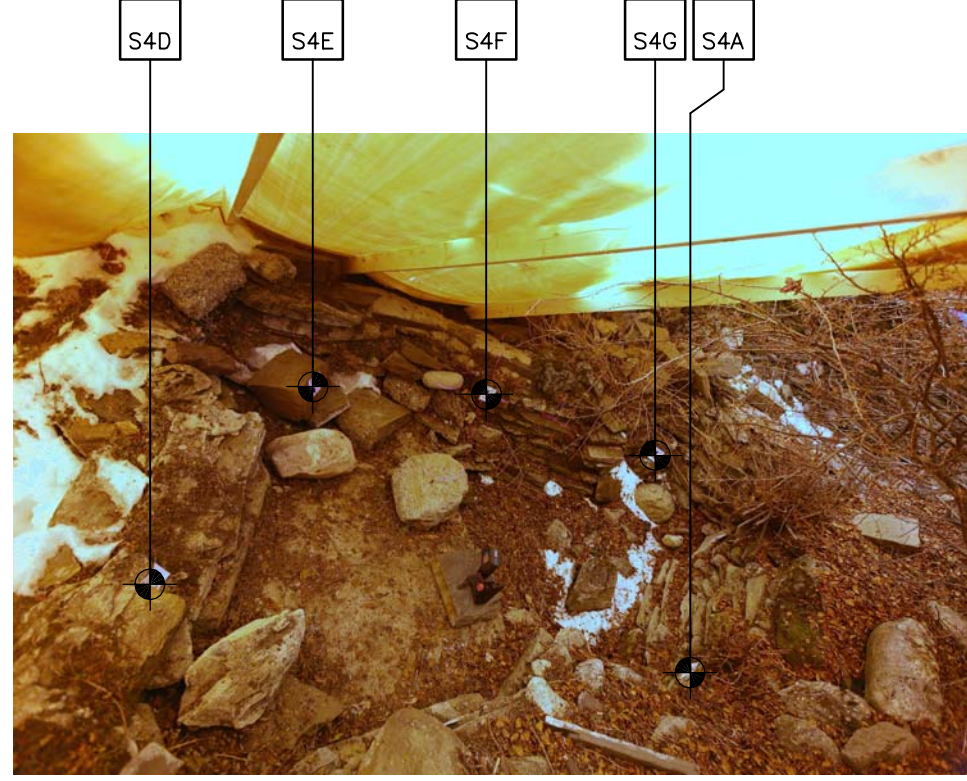
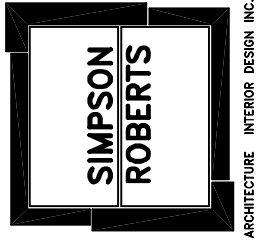


PHOTO #C14



SCALE:	AS NOTED	
Date:	APRIL 2014	
Project No.	2670	Drawing No. A4.14

Project Name:
CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA
Drawing Title
SOUTH CASCADE POOL S4 - AS-FOUND PHOTO REF.



Nov. 1934

PHOTO #H1 - NOVEMBER 1934



Nov. 1934

PHOTO #H2 - NOVEMBER 1934



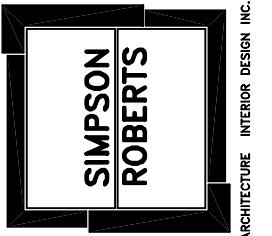
August 1935 Landscaping #76

PHOTO #H3 - AUGUST 1935



June 1936

PHOTO #H4 - JUNE 1936



SCALE:	N.T.S.
Date:	APRIL 2014
Project No.	2670
Drawing No.	A5.1

Project Name: **CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title: **HISTORIC CONSTRUCTION PHOTO REFERENCE**

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG Print Date: Nov 29, 2013, Time: 2:00 p.m.



PHOTO #E1
RECORDING PRIOR TO REPAIRS



PHOTO #E2
RECORDING PRIOR TO REPAIRS



PHOTO #E3
RECORDING PRIOR TO REPAIRS



PHOTO #E4
RECORDING PRIOR TO REPAIRS

SCALE:	N.T.S.	
Date:	APRIL 2014	
Project No.	2670	Drawing No. A5.2

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
HISTORIC PHOTO REFERENCE (2004 REPAIRS)

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.



PHOTO #E5
REMOVAL OF STONES IN PROGRESS



PHOTO #E6
REMOVAL OF STONES IN PROGRESS



PHOTO #E7
REMOVAL OF STONES IN PROGRESS



PHOTO #E8
REMOVAL OF STONES IN PROGRESS

SCALE:	N.T.S.	
Date:	APRIL 2014	
Project No.	2670	Drawing No. A5.3

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
HISTORIC PHOTO REFERENCE (2004 REPAIRS)

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.



PHOTO #E9
ORIGINAL CONCRETE WALLS AND SLAB EXPOSED



PHOTO #E10
ORIGINAL CONCRETE WALLS AND SLAB EXPOSED



PHOTO #E11
ORIGINAL CONCRETE WALLS AND SLAB EXPOSED



PHOTO #E12
ORIGINAL CONCRETE WALLS AND SLAB EXPOSED

SCALE:	N.T.S.
Date:	APRIL 2014
Project No.	2670
Drawing No.	A5.4

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
HISTORIC PHOTO REFERENCE (2004 REPAIRS)

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG Print Date: Nov 29, 2013, Time: 2:00 p.m.



PHOTO #E13
 CONC. WALLS REPAIRED & SAND BASE INSTALLED OVER SLAB



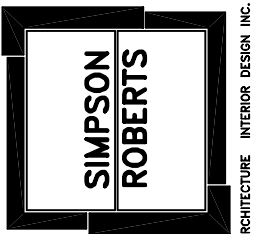
PHOTO #E14
 CONC. WALLS REPAIRED & SAND BASE INSTALLED OVER SLAB



PHOTO #E15
 NEW CONCRETE WALL & DRAIN PIPE AT CASCADE#1



PHOTO #E16
 NEW CONCRETE WALL & DRAIN PIPE AT CASCADE #2



SCALE:	N.T.S.	
Date:	APRIL 2014	
Project No.	2670	Drawing No.
		A5.5

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
 REHABILITATION
 BANFF, ALBERTA**

Drawing Title
HISTORIC PHOTO REFERENCE (2004 REPAIRS)

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG Print Date: Nov 29, 2013, Time: 2:00 p.m.



PHOTO #E17
 INSTALLATION OF ANCHORS & DRY-FIT OF PLASTIC CLAMPING CHANNEL



PHOTO #E18
 INSTALLATION OF ANCHORS & DRY-FIT OF PLASTIC CLAMPING CHANNEL



PHOTO #E19
 INSTALLATION OF LINER MEMBRANE



PHOTO #E20
 INSTALLATION OF LINER MEMBRANE

SCALE:	N.T.S.	
Date:	APRIL 2014	
Project No.	2670	Drawing No.
		A5.6

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
 REHABILITATION
 BANFF, ALBERTA**

Drawing Title
HISTORIC PHOTO REFERENCE (2004 REPAIRS)

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG Print Date: Nov 29, 2013, Time: 2:00 p.m.



PHOTO #E21
INSTALLATION OF LINER MEMBRANE



PHOTO #E22
INSTALLATION OF LINER MEMBRANE



PHOTO #E23
INSTALLATION OF LINER MEMBRANE



PHOTO #E24
INSTALLATION OF LINER MEMBRANE

SCALE:	N.T.S.	
Date:	APRIL 2014	
Project No.	2670	Drawing No. A5.7

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
HISTORIC PHOTO REFERENCE (2004 REPAIRS)

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.



PHOTO #E25
 INSTALLATION OF SAND BALLAST, FILTER FABRIC & PLASTIC CLAMPING CHANNEL



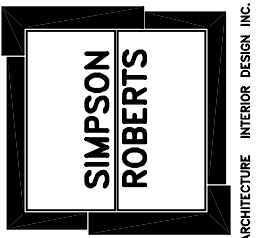
PHOTO #E26
 INSTALLATION OF LINER AT OVERFLOW PIPE



PHOTO #E27
 INSTALLATION OF LINER AT CASCADE #1



PHOTO #E28
 INSTALLATION OF LINER AT CASCADE #2



SCALE:	N.T.S.	
Date:	APRIL 2014	
Project No.	2670	Drawing No.
		A5.8

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
 REHABILITATION
 BANFF, ALBERTA**

Drawing Title
HISTORIC PHOTO REFERENCE (2004 REPAIRS)

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG Print Date: Nov 29, 2013, Time: 2:00 p.m.



PHOTO #E29
STONES REPLACED IN POOL



PHOTO #E30
STONES REPLACED IN POOL



PHOTO #E31
STONES REPLACED AT CASCADE #1



PHOTO #E32
STONES REPLACED AT CASCADE #2

SCALE:	N.T.S.
Date:	APRIL 2014
Project No.	2670
Drawing No.	A5.9

Project Name:
**CASCADE GARDENS - CAMBRIAN POOL
REHABILITATION
BANFF, ALBERTA**

Drawing Title
HISTORIC PHOTO REFERENCE (2004 REPAIRS)

Filename: S:\2670 Cascade Gardens\2670 Cambrian Photos 2013.DWG - Print Date: Nov 29, 2013, Time: 2:00 p.m.

Appendix B

Design Details

Cambrian Pool and 3 Cascade Feeder Pools