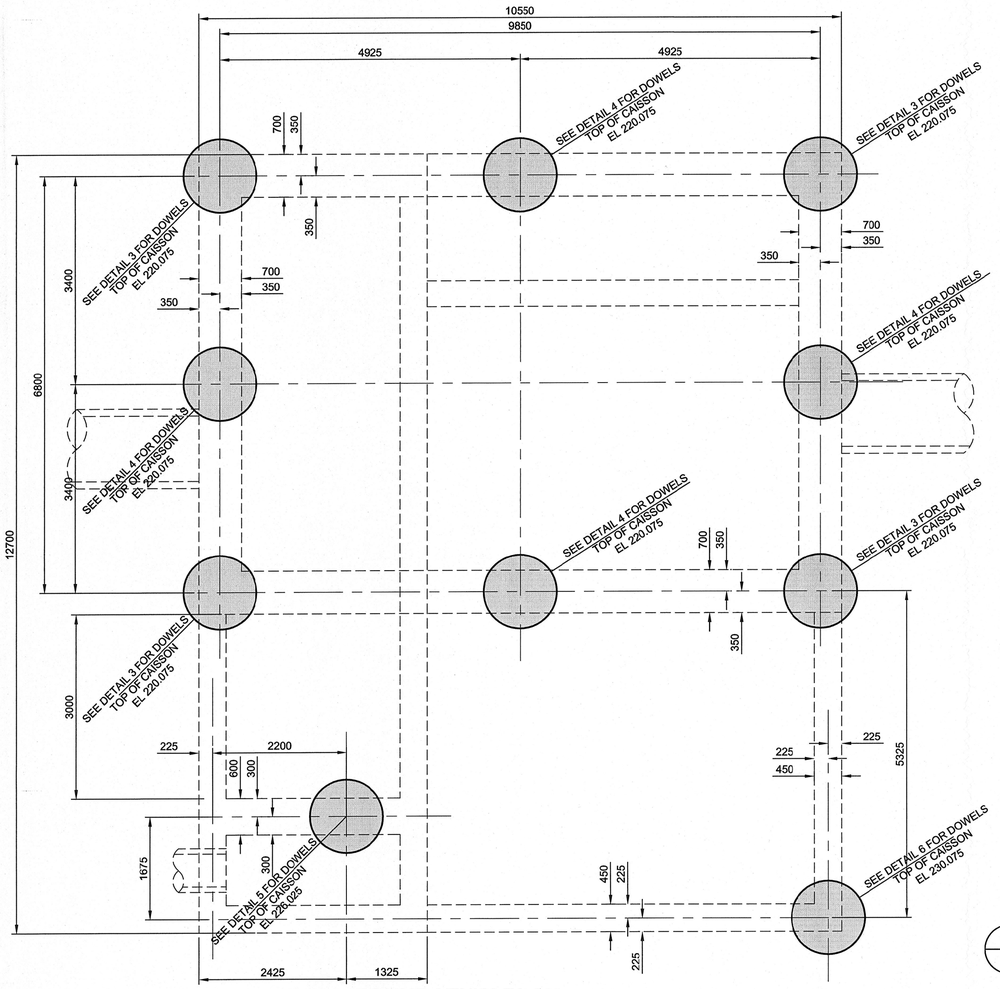


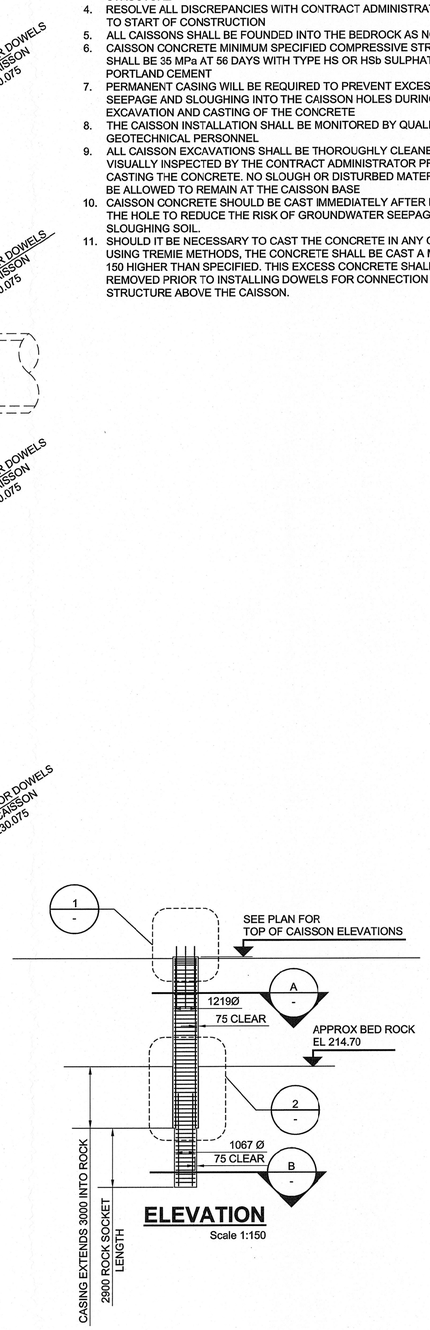
FOUNDATION PLAN

0 1250 2500

1:50

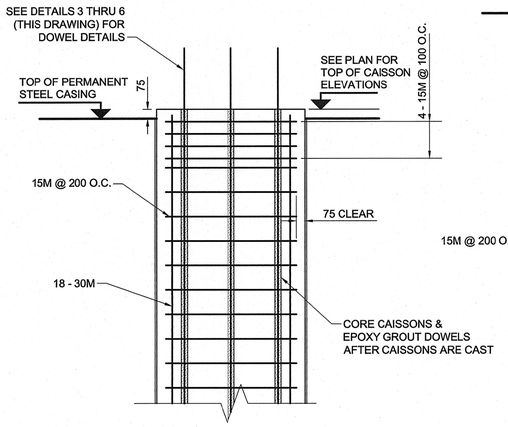
CAISSON NOTES:

1. FOR GENERAL NOTES SEE SHEET CS-0001
2. FOR GEOTECHNICAL NOTES SEE SHEET CS-0001
3. CONTRACTOR TO FIELD CONFIRM ALL DIMENSIONS RELATED TO THE STRUCTURE
4. RESOLVE ALL DISCREPANCIES WITH CONTRACT ADMINISTRATOR PRIOR TO START OF CONSTRUCTION
5. ALL CAISSONS SHALL BE FOUNDED INTO THE BEDROCK AS NOTED.
6. CAISSON CONCRETE MINIMUM SPECIFIED COMPRESSIVE STRENGTH SHALL BE 35 MPa AT 56 DAYS WITH TYPE HS OR HSb SULPHATE RESISTANT PORTLAND CEMENT
7. PERMANENT CASING WILL BE REQUIRED TO PREVENT EXCESSIVE SEEPAGE AND SLOUGHING INTO THE CAISSON HOLES DURING EXCAVATION AND CASTING OF THE CONCRETE
8. THE CAISSON INSTALLATION SHALL BE MONITORED BY QUALIFIED GEOTECHNICAL PERSONNEL
9. ALL CAISSON EXCAVATIONS SHALL BE THOROUGHLY CLEANED AND VISUALLY INSPECTED BY THE CONTRACT ADMINISTRATOR PRIOR TO CASTING THE CONCRETE. NO SLOUGH OR DISTURBED MATERIAL SHALL BE ALLOWED TO REMAIN AT THE CAISSON BASE
10. CAISSON CONCRETE SHOULD BE CAST IMMEDIATELY AFTER DRILLING OF THE HOLE TO REDUCE THE RISK OF GROUNDWATER SEEPAGE AND SLOUGHING SOIL.
11. SHOULD IT BE NECESSARY TO CAST THE CONCRETE IN ANY CAISSON USING TREMIE METHODS, THE CONCRETE SHALL BE CAST A MINIMUM OF 150 HIGHER THAN SPECIFIED. THIS EXCESS CONCRETE SHALL BE REMOVED PRIOR TO INSTALLING DOWELS FOR CONNECTION TO THE STRUCTURE ABOVE THE CAISSON.



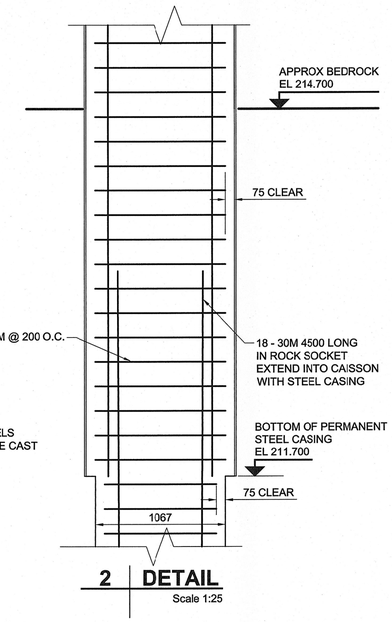
ELEVATION

Scale 1:150



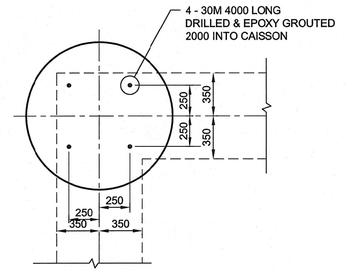
1 DETAIL

Scale 1:25



2 DETAIL

Scale 1:25

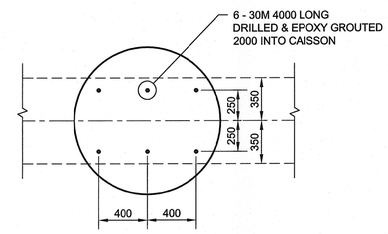


3 CAISSON DETAIL

S-1001 DOWELS FROM CAISSONS TO WALLS OF MAIN SHAFT AT CORNERS

0 625 1250

1:25

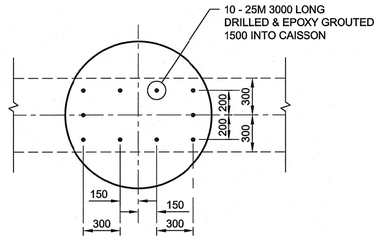


4 CAISSON DETAIL

S-1001 DOWELS FROM CAISSONS TO WALLS OF MAIN SHAFT ON STRAIGHT WALLS

0 625 1250

1:25

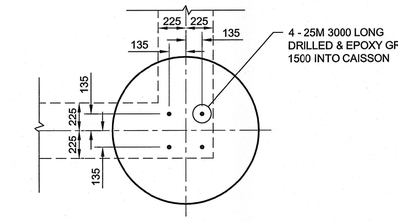


5 CAISSON DETAIL

S-1001 DOWELS FROM CAISSON TO WALL OF DRY POND PUMPING CHAMBER

0 625 1250

1:25

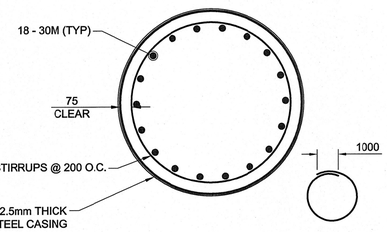


6 CAISSON DETAIL

S-1001 DOWELS FROM CAISSON TO GENERATOR ROOM GRADE BEAMS

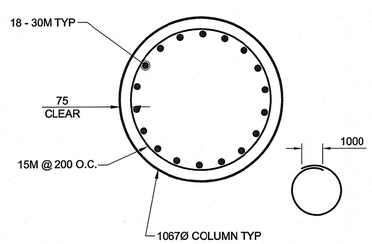
0 625 1250

1:25



A SECTION

Scale 1:20



B SECTION

Scale 1:20

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: 2015/10/15

BID OPPORTUNITY NO. 712-2013

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	13/10/15	WJd

AECOM

DESIGNED BY	JAT	CHECKED BY	
DRAWN BY	WJd	APPROVED BY	
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION BY:	
VERTICAL:	AS NOTED		
DATE		DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
S.B. BISWANGER
2015/10/15
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
60273041-SHT-01-Con3-S-1006

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION
CONTRACT 3

CITY DRAWING NUMBER
U238-2014-2336

SHEET 6 OF 10

PUMPING STATION
FOUNDATION PLAN
SECTIONS AND DETAILS

S-1006 0

A1 - 841x594

2013-10-11

AECOM REVIEW | DRFT CHK

ACCDWNG_DEFAULT.CTB

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