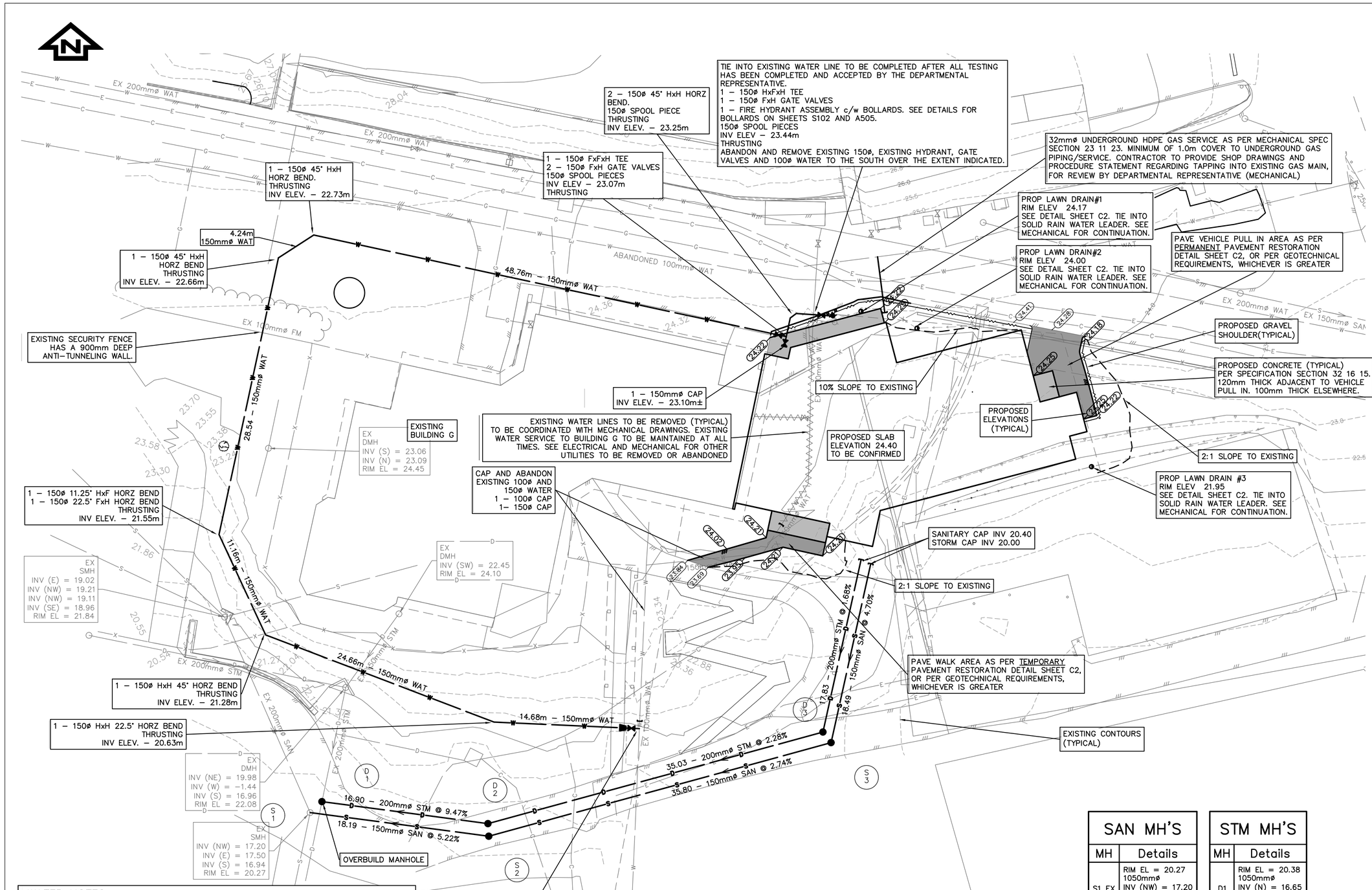

WATER NOTES

1. MINIMUM CLEARANCES FOR THE WATER MAIN AND SERVICES TO BE MAINTAINED BY THE CONTRACTOR ARE:
   a. 3m CLEAR HORIZONTAL SEPARATION FROM ALL STORM OR SANITARY MAINS AND SERVICES; AND
   b. 450mm CLEAR VERTICAL SEPARATION ABOVE ALL STORM AND SANITARY MAINS AND SERVICES.
2. MITIGATION MEASURES FOR NOT MEETING MINIMUM CLEARANCES STATED ABOVE ARE AS FOLLOWS:
   a. FOR WATER MAINS/SERVICES AT 150mm–450mm VERTICAL SEPARATION ABOVE STORM OR SANITARY MAINS/SERVICE AND/OR WITHIN THE 3m HORIZONTAL SEPARATION: WATER PIPE JOINTS ARE TO BE WRAPPED WITH HEAT SHRINK PLASTIC OR PACKED WITH COMPOUND AND WRAPPED WITH PETROLATUM TAPE IN ACCORDANCE WITH THE LATEST VERSION OF THE AWWA STANDARDS C217, AND C214 OR C209 OVER A DISTANCE 3m EITHER SIDE OF CROSSING OR AFFECTED LENGTH.
   b. FOR WATER MAINS / SERVICES BELOW OR AT LESS THAN 150mm VERTICAL SEPARATION ABOVE STORM OR SANITARY MAINS / SERVICES: WRAP WATER PIPE JOINTS AND STORM / SANITARY PIPE JOINTS IN ACCORDANCE WITH a. ABOVE. IN ADDITION THE PIPE LENGTHS OF THE UPPER AND LOWER PIPES AT CROSSINGS ARE TO BE CENTRED ON THE CROSSING TO MAXIMIZE THE DISTANCE OF JOINTS FROM THE CROSSING POINT. INSTALL ON THE BASE OF THE HIGHER TRENCH A CONTINUOUS, IMPERMEABLE GEO–MEMBRANE (PVC, HDPE OR LDPE) SEAM–WELDED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS EXTENDING A MINIMUM 1m BEYOND THE JOINTS EITHER SIDE OF THE CROSSING. THE GEO–MEMBRANE IS TO BE WRAPPED UP BOTH SIDES OF THE HIGHER TRENCH LINE TO A MINIMUM 0.3m ABOVE THE PIPE IN THE HIGHER TRENCH.

TIE INTO EXISTING WATER LINE TO BE COMPLETED AFTER ALL TESTING HAS BEEN COMPLETED AND ACCEPTED BY THE DEPARTMENTAL REPRESENTATIVE.
1 – 100ø HxF 90° HORZ BEND
1 – 100ø FxF GATE VALVE
1 – 100ø x 150ø FxH INCREASER
THRUSTING
INV ELEV. – 20.61m±

BEFORE YOU DIG

THE LOCATION OF THE EXISTING UTILITIES HAS BEEN SHOWN BASED ON AVAILABLE INFORMATION. THE ACCURACY AND COMPLETENESS OF THE DRAWING IN THIS RESPECT IS NOT GUARANTEED. THE EXACT LOCATION OF THESE UTILITIES AND SERVICES SHALL BE DETERMINED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION. SERVICES STATED TO BE ABANDONED OR REMOVED ARE TO BE VERIFIED BY THE CONTRACTOR. ALL CONFLICTS TO BE IMMEDIATELY REPORTED TO PUBLIC WORKS & GOVERNMENT SERVICES CANADA AND WEDLER ENGINEERING

H SCALE 1:200

0 10 20 30 40 50 60 70 80 90 100mm

SAN MH'S	
MH	Details
S1 EX	RIM EL = 20.27 1050mmø INV (NW) = 17.20 INV (E) = 17.50 INV (S) = 16.94
S2	RIM EL = 20.72 1050mmø INV (E) = 18.50 INV (W) = 18.45
S3	RIM EL = 21.62 1050mmø INV (N) = 19.53 INV (W) = 19.48

STM MH'S	
MH	Details
D1	RIM EL = 20.38 1050mmø INV (N) = 16.65 INV (E) = 17.20 INV (S) = 16.65
D2	RIM EL = 20.79 1050mmø INV (E) = 18.85 INV (W) = 18.80
D3	RIM EL = 21.72 1050mmø INV (N) = 19.70 INV (W) = 19.65

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région de Pacifique

MGBA
MALLEN GOWING BERZINS ARCHITECTURE

WEDLER ENGINEERING
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PROFESSIONAL ENGINEER – PROVINCE OF BRITISH COLUMBIA – K.J. KERR
2017-09-01

TRUE NORTH / PROJECT NORTH

Revision/ Revision	Description/Description	Date/Date
5	ISSUED FOR TENDER	2017/09/01
4	99% SUBMISSION	2017/04/21
3	REVISED 66% SUBMISSION	2017/01/23
2	66% SUBMISSION	2016/03/17
1	ISSUED FOR COORDINATION	2016/03/17
0	33% SUBMISSION	2015/12/14

Client/client
CORRECTIONAL SERVICE OF CANADA

Project title/Titre du projet
AGASSIZ, BRITISH COLUMBIA
4732 CEMETERY ROAD PO BOX 1600
MOUNTAIN INSTITUTION

MOUNTAIN INSTITUTION HEALTH CARE EXPANSION

Consultant Signature Only

Designed by/Concept par
FID

Drawn by/Dessine par
CAJ

PWGSC Project Manager/Administrateur de Projets TPSGC
TONY TANG

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PREETIPAL PAUL

Drawing title/Titre du dessin
SITE SERVICING AND GRADING PLAN

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.077724.001	C1 OF 02	5

PWGSC – A1 – 841X594

C17-5447a