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VISITOR'S CENTRE
Royal Canadian Mounted Police
73 Leikin Drive, Ottawa, Ontario

Telephone No.

no de téléphone: (613) 843-3798

AMENDMENT TO THE INVITATION TO TENDER

Royal Canadian Mounted Police

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services and construction listed herein and on any attached sheets at the price(s) set out therefore.

MODIFICATION À L'APPEL D'OFFRES

Gendarmerie royale du Canada

Nous offrons par la présente de vendre à Sa Majesté I Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments – Commentaries

Vendor/Firm Name and Address

Raison sociale et adresse du fournisseur/de l'entrepreneur

Telephone No. – No de téléphone:

()

Facsimile No. – No de télécopieur:

()

Title-Sujet Construction of a new Heliport (Helicopter Helipad)		
Solicitation No. – No. de l'invitation 201502534	Amend. – Modif. No. : 10	Date Jan. 12, 2015 / 12 jan, 2014
Client Reference No. - No. de Référence du Client 201502534		
GETS Reference No. – No de Référence du SEAG PW-14-00657496		
Solicitation Closes – L'invitation prend fin at – à 2:00 P.M. EST on – January 22nd, 2015.		
F.O.B. - F.A.B. Destination		
Address Enquiries to: - Adresser toute questions à : Jordan McKenna		
Telephone No. - No de téléphone 613-843-5518	Fax: 613-825-0082	
Destination of Goods - Destinations des biens: See Herein		
Instructions : See Herein / Voir aux présentes		
Delivery Required – Livraison exigée: See Herein		
Name and Title of person authorized to sign on behalf of Vendor/Firm. Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur		



Amendment No. 10 – Addendum 2

Construction of a new Heliport (Helicopter Helipad)
SOLICITATION NO. : **201502534**

Page 1 of 1
Date: Jan. 12th, 2015

THE FOLLOWING CHANGES IN THE TENDER DOCUMENTS ARE EFFECTIVE IMMEDIATELY.

This Addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. The cost of all contained herein is to be included in the contract sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and shall become part thereof.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.

END

NOTIFICATION OF REVISION

Public Works and Government
Services Canada

Addendum No. 2

Solicitation Name: Government of Canada, Heliport.

Solicitation Number: 201502534

Date: January 07, 2015

1. ARCHITECTURAL

1.1 SPECIFICATIONS

- .1 Section 00 01 10 – Table of Contents
 - .1 Add new Division 32 – Exterior Improvements to Table of Contents (2 pages - attached)
- .2 Section 32 31 14 – Steel Chain Link Fence
 - .1 Refer to new Section as attached (4 pages)

1.2 DRAWINGS

- .1 Architectural Drawing A1-02 – Site Plan Enlarged - Heliport (attached)
 - .1 Revise: Existing dry pond grading information to suit existing conditions
 - .2 Remove: Existing angled chain link fence east of heliport
 - .3 Add: new angled chain link fence extension at north east corner
 - .4 Add: Extend existing north chain link fence to meet with new angled fence.
- .2 Architectural Drawing A1-03 – Site Details - Heliport (attached)
 - .1 Add: 3/A1.03 - Perimeter Fence Typical Bay Detail
 - .2 Add: 11/A1.03 - Specification for concrete at wind indicator/fire extinguisher base
- .4 Architectural Drawing A1-04 – Notes / Specifications (not reissued)
 - .1 Add: General Note #10 – Contractor must provide and install all heliport visual aids, signs and fire extinguisher as noted.
 - .2 Add: General Note #11 – Contractor shall coordinate all work with the client and department representative (i.e. site and building access) and follow the client's instructions regarding working hours and any other work that affects the client(s).

2. CIVIL

2.1 DRAWINGS

- .1 Civil Drawing C2.1 – Site Grading Plan (attached)
 - .1 Update: Existing dry pond survey information at proposed heliport and dry pond.
- .2 Civil Drawing C2.2 – Site Servicing Plan (attached)
 - .1 Update: Existing dry pond site servicing information at proposed heliport and dry pond.
- .3 Civil Drawing C2.5 – Site Servicing & Grading Plan (attached)
 - .1 Update: Existing site survey and servicing information at proposed dry pond and heliport.

3. LANDSCAPE

3.1 DRAWINGS

- .1 Landscape Drawing L-1 Landscape Plan (not reissued)
 - .1 Detail 1 – Grass Porous Pavement
 - .1 Revise compacted subgrade reference to read:
COMPACTED SUBGRADE, 95% modified proctor density.
 - .2 Revise: base & sub-base to be constructed as noted (also documented on Civil drawing C2.3, and LVM Technical Memorandum).
 - .2 Detail 2 – Heliport Grass Porous Pavement Edge at Mountable Curb
 - .1 Revise: base & sub-base to be constructed as noted (also documented on Civil drawing C2.3, and LVM Technical Memorandum).
 - .3 Detail 3 – Heliport Grass Porous Pavement with Precast Paver Edging
 - .1 Revise: base & sub-base to be constructed as noted (also documented on Civil drawing C2.3, and LVM Technical Memorandum).

- .4 Seeding Notes:
 - .1 Clarification: Grass porous pavement is not indicated with square pattern as noted at legend for *Seed Mix B-RTF Seed*.
 - .2 Clarification: Grass porous pavement with *Seed mix B-RTF Seed* to be provided at Heliport FATO and vehicle access (indicated with notation on drawing).

END OF ADDENDUM

DOCUMENT 0 - INTRODUCTORY INFORMATION
BIDDING REQUIREMENTS, CONTRACT REQUIREMENTS

Document	Title	Pages
	Cover Page	1
00 01 10	Table of Contents	2

DIVISION 1 - GENERAL REQUIREMENTS

Section	Title	Pages
01 11 00	Summary of Work	3
01 14 00	Work Restrictions	3
	- Contractor/Consultant Information Sheet for Facilities Access	2
	- Additional Instructions for Completion of Government of Canada Personnel Screening, Consent and Authorization Form (Form No. TBS 330-23E)	3
	- Personnel Screening, Consent and Authorization Form (Form No. TBS 330-23E)	3
01 29 83	Payment Procedures for Testing Laboratory Services	2
01 31 19	Project Meetings	3
01 32 16.07	Construction Progress Schedule - Bar (Gantt) Chart	3
01 33 00	Submittal Procedures	5
01 35 29	Health and Safety Requirements	5
01 41 00	Regulatory Requirements	2
01 42 13	Abbreviations and Acronyms	10
01 45 00	Quality Control	3
01 56 00	Temporary Barriers and Enclosures	3
01 61 00	Common Product Requirements	6
01 71 00	Examination and Preparation	3
01 73 00	Execution	2
01 74 11	Cleaning	2
01 77 00	Closeout Procedures	1
01 78 00	Closeout Submittals	7
01 79 00	Demonstration and Training	2

DIVISION 2 – EXISTING CONDITIONS

Section	Title	Pages
02 32 00	Geotechnical Investigation	1
	- Geotechnical Report	46
	- Technical Memorandum, Additional Pavement Recommendations	3

DIVISION 26 – ELECTRICAL

Section	Title	Pages
26 05 00	Common Work Results For Electrical	7
26 05 20	Wire And Box Connectors 0-1000 V	2
26 05 21	Wires And Cables (0-1000 V)	2
26 05 22	Connectors And Terminations	2
26 05 29	Hangers And Supports For Electrical Systems	2
26 05 31	Splitters, Junction, Pull Boxes And Cabinets	2
26 05 34	Conduits, Conduit Fastenings And Conduit Fittings	4
26 28 16.02	Moulded Case Circuit Breakers	2
26 50 00	Lighting	4

DIVISION 31 – EARTHWORK

Section	Title	Pages
31 00 00.01	Earthwork - Short Form	6
31 22 13	Rough Grading	4
31 23 33.01	Excavating, Trenching and Backfilling	8

DIVISION 32 – EXTERIOR IMPROVEMENTS

Section	Title	Pages
32 31 14	Steel Chain Link Fence	4

DIVISION 33 – UTILITIES

Section	Title	Pages
33 42 14	Pipe Culverts	6
33 46 16	Subdrainage Piping	5

END OF DOCUMENT

- 1 General
- 1.1 **DESIGN REQUIREMENTS**
 - .1 Design pressures:
 - .1 Line posts Type 2: 874 Pa
- 1.2 **REFERENCES**
 - .1 American Society for Testing and Materials International, (ASTM):
 - .1 ASTM A123/A123M-09, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
 - .1 Canadian General Standards Board (CGSB):
 - .1 CAN/CGSB-1.181-99, Ready-Mixed Organic Zinc-Rich Coating.
 - .2 CAN/CGSB-138.1-96, Fabric for Chain Link Fence.
 - .3 CAN/CGSB-138.2-96, Steel Framework for Chain Link Fence.
 - .4 CAN/CGSB-138.3-96, Installation of Chain Link Fence.
 - .2 Canadian Standards Association (CSA):
 - .1 CSA A23.1-09/A23.2-09, Concrete Materials and Methods of Concrete Construction/Test Methods and Standard Practices for Concrete.
- 1.3 **SUBMITTALS**
 - .1 Submit in accordance with Sections 01 33 00 and 01 78 00.
 - .2 Shop drawings:
 - .1 Submit shop drawings in accordance with Sections 01 33 00 and 01 78 00.
 - .2 Submit shop drawings for each type locking device to show fabrication, layout, setting and erection details.
 - .3 Samples:
 - .1 Submit samples in accordance with Section 01 33 00 of the following.
 - .2 Duplicate 300 mm square samples of wire fabric mesh demonstrating finish and colour for the approval of the Departmental Representative.
- 2 Products
- 2.1 **MATERIALS**
 - .1 General: All materials under Work of this Section, including but not limited to, primers, are to have low VOC content limits in accordance with Section 01 35 21.01.
 - .2 Concrete for footings: to CSA-A23.1/A23.2, Concrete materials and methods of concrete construction/Test methods and standard practices for concrete.
 - .1 Compressive strength: 30 MPa at 28 days.
 - .2 Exposure classification: F-1.
 - .3 Slump: 80 mm at time of deposit +/-30 mm.
 - .4 Air entrainment: 6%.

- .5 Aggregate size: 38 mm maximum, 9.5 mm minimum.
- .3 Vinyl-coated fence Fabric: CAN/CGSB 138.1, Black vinyl coated No. 9 gauge steel wire woven in a 50 mm mesh, with knuckled finish top and bottom selvage edges. Height of fabric: as indicated.
- .4 Posts, braces and rails: to CAN/CGSB-138.2, galvanized steel pipe *with black powder coating*.
 - .1 Post Type 1 hot-rolled, butt or electrical resistance welded, dimensions to Table 2, Style A heavy. Minimum yield strength: Type 2, 344 MPa.
 - .2 Rail Type 2, Style A Heavy, dimensions to Table 3, minimum yield strength 344 MPa.
- .5 Bottom rail: CAN/CGSB-138.2, galvanized steel bottom rail with black powder coating.
- .6 Tie wire fasteners: single strand, galvanized, 3.7 mm diameter.
- .7 Bottom tension bar: 5 x 20 mm minimum galvanized steel.
- .8 Tension bar bands: 3 x 20 mm minimum galvanized steel.
- .9 Fittings and hardware: cast aluminum alloy, galvanized steel or malleable or ductile cast iron. Post caps to provide waterproof fit, to fasten securely over posts and to carry top rail. Turnbuckles to be drop forged.
- .10 Zinc rich paint: zinc rich, readymix to CAN/CGSB-1.181, low VOC.
- .11 Clips: galvanized sheet metal, 3.8 mm.
- .12 Grounding rods: 16 mm diameter copperweld rod, 3 m long.
- .13 Finish coating: Epoxy Polyester coating conforming to AAMA 2603 with gloss finish for chain link fencing and associated components. Colour: black. Provide manufacturers recommended primer. Provide sample for the Departmental Representative's approval.

2.2 GALVANIZED FINISH

- .1 For chain link fabric: to CAN/CGSB-138.1, Grade 2.
- .2 For pipe: to CAN/CGSB-138.2.
- .3 For other fittings: to ASTM A123/A123M, minimum Coating Grade 85, minimum 600 g/m².

2.3 **POWDER COAT FINISH**

- .1 Shop apply electrostatic coating in strict accordance with manufacturer's printed instructions.
- .2 Provide primer where required and one finish coat.
- .3 Ensure application of each coat into all corners, pinholes and other difficult areas and ensure full coverage to all surfaces.
- .4 Ensure a smooth finish, free of laps, sags, runs, pin holes, crawls and skips. Back lap all edges to achieve full coverage.

3 Execution

3.1 **GRADING**

- .1 Remove debris and correct ground undulations along fence line to obtain smooth uniform gradient between posts. Provide clearance between bottom of fence and ground surface neither less than 40 mm nor more than 75 mm.

3.2 **ERECTION OF FENCE**

- .1 Install chain link fence in accordance with CAN/CGSB-138.3 unless otherwise specified.
- .2 Drill post holes to dimensions and depth shown on Figure 1, 2 and 3 of CAN/CGSB-138.3.
- .3 Space line posts maximum 3 m apart, measured parallel to ground surface.
- .4 Space straining posts at equal intervals not exceeding 150 m if distance is greater than 150 m between end or corner posts on straight continuous lengths of fence over reasonably smooth grade.
- .5 Install additional straining posts at sharp changes in grade and where directed.
- .6 Install corner post where change in alignment exceeds 20°.
- .7 Install end posts at end of fence.
- .8 Place concrete in post holes then embed posts into concrete. Extend concrete 50 mm above ground level and slope to drain away from posts. Brace to hold posts in plumb position and true to alignment and elevation until concrete has set.
- .9 Do not install fence fabric until concrete has cured a minimum of 5 days.

- .10 Install brace between end posts and nearest line post, placed in centre of panel and parallel to ground surface. Install braces on both sides of corner and straining posts in similar manner.
- .11 Install top between posts and fasten securely to posts with waterproof caps.
- .12 Install bottom rail and fasten securely to end, corner, and straining posts with turnbuckles and tension bar bands.
- .13 Lay out fence fabric. Stretch tightly to tension recommended by manufacturer and fasten to end, corner, and straining posts with tension bar secured to post with tension bar bands spaced at 300 mm intervals. Knuckled selvedge on bottom. Nuts facing exterior of compound.
- 14 Secure fabric to top rails, line posts and bottom rail with tie wires at 450 mm intervals. Give tie wires minimum two twists.
- .15 Secure bottom rail to ground barrier with galvanized anchor clamp.

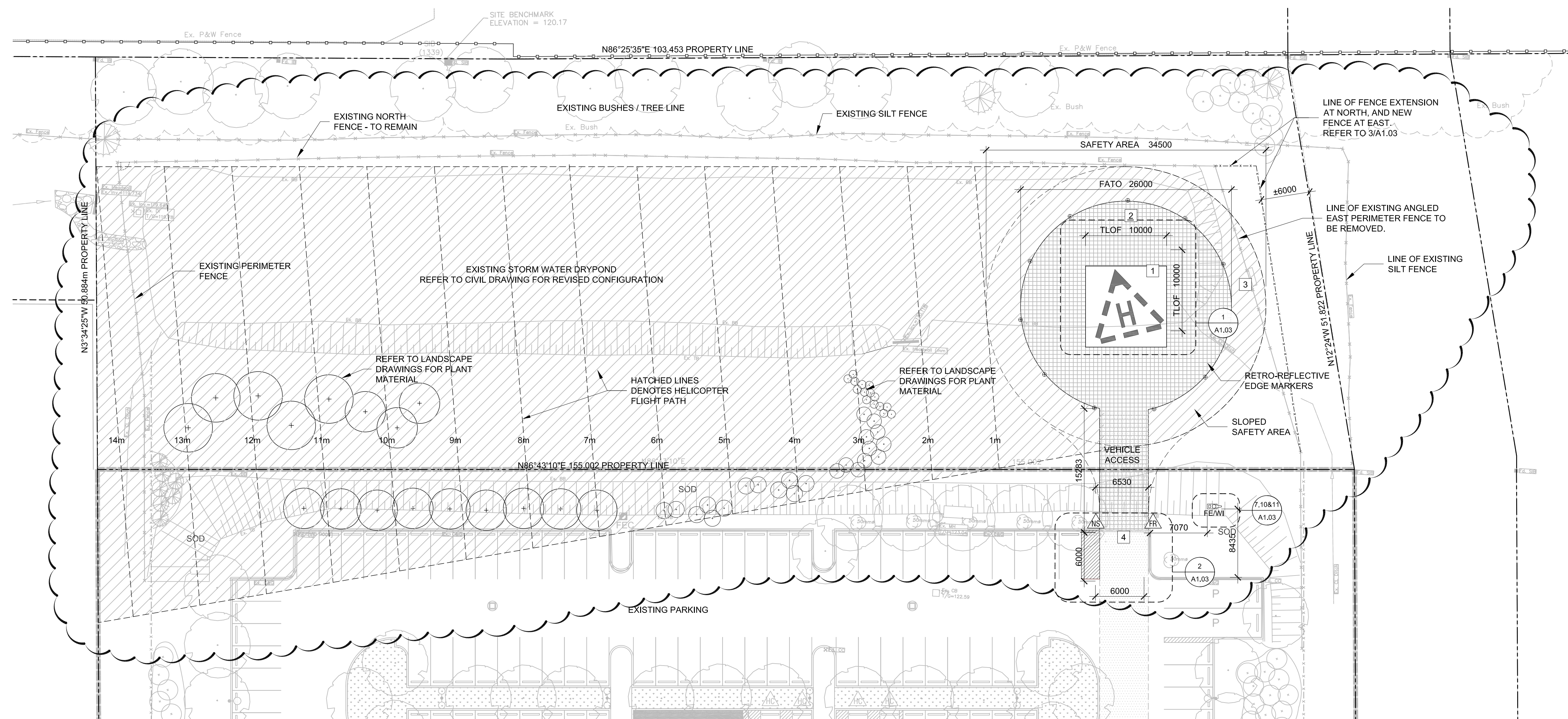
3.3 **TOUCH-UP**

- .1 Repair damaged galvanized surfaces. Clean damaged surfaces with wire brush removing loose and cracked spelter coatings. Apply two coats of approved zinc rich paint to damaged areas.

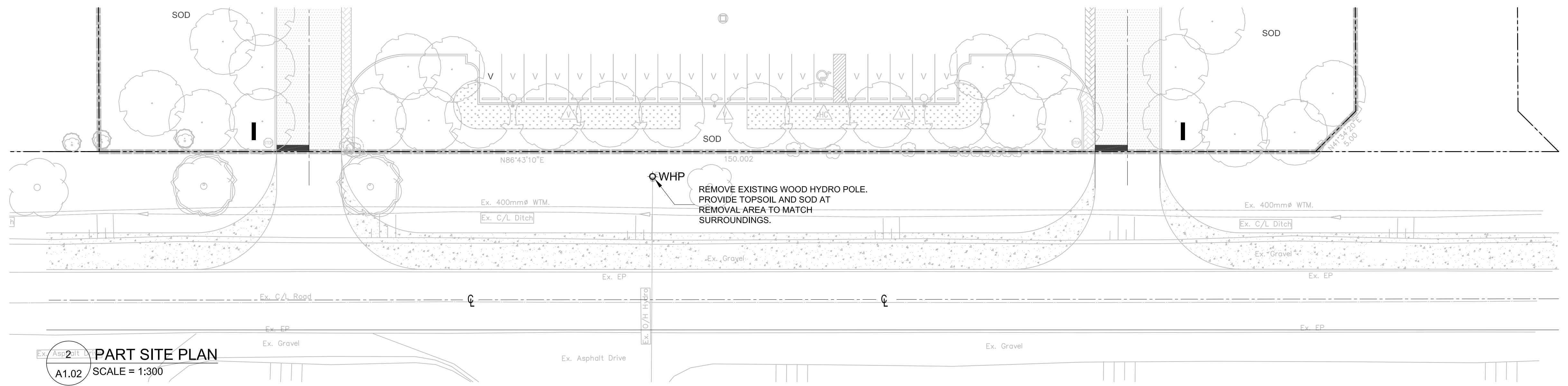
3.4 **CLEANING**

- .1 Clean and trim areas disturbed by operations. Dispose of surplus excavated material and replace damaged sod.

END OF SECTION



1 PART SITE PLAN
A1.02 SCALE = 1:300



2 PART SITE PLAN
A1.02 SCALE = 1:300

SITE PLAN GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF BUILDING FOUNDATION U.N.O.
2. ALL DIMS. ARE TO FACE OF CURB U.N.O.
3. ALL CURBS TO BE MONOLITHIC CONSTRUCTION. REFER TO DRAWING 2/A1.03 FOR DETAIL.
4. DRIVEWAY, DRIVE AISLES & PARKING STALLS TO BE ASPHALT PAVING U.N.O.
5. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL RELATED INFORMATION.

SITE PLAN CODE LEGEND

- 1 CONCRETE TLOF WITH PAINTED MARKINGS POINTING MAGNETIC NORTH
- 2 FATO SURFACE WITH GRASSPAVE PERMEABLE PAVING
- 3 EXTENTS OF SAFETY AREA - SOD
- 4 MOUNTABLE CURB FOR VEHICLE ACCESS. REFER TO CIVIL DRAWINGS.

SITE PLAN SYMBOL LEGEND

- PROPERTY LINE
- CHAIN LINK FENCE. REFER TO 3/A1.03.
- INDICATES HELICOPTER FLIGHT PATH
- INDICATES FATO SURFACE WITH GRASS PAVE. REFER TO LANDSCAPE.
- FIRE EXTINGUISHER & WIND DIRECTION INDICATOR ON CONCRETE BASE. REFER TO 7, 10, 11, 12/A1.03
- FIRE ROUTE / NO PARKING SIGN. REFER TO 4/A1.03.
- HELICOPTER LANDING / NO SMOKING SIGN. REFER TO 5/A1.03.
- RETRO-REFLECTIVE EDGE MARKER
- WHP EXISTING WOOD HYDRO POLE

rebanks pepper littlewood architects
402-1491 Yonge Street, Toronto, Ontario, M4T 1Z4
T 416.964.7163 F 416.964.5817 www.rpla.ca

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North: Seal:

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4	ISSUED WITH ADDENDUM #2	2015 / 01 / 07
3	ISSUED FOR TENDER / SPA	2014 / 09 / 29
2	ISSUED FOR CLIENT REVIEW	2014 / 09 / 15
1	ISSUED FOR CLIENT REVIEW	2014 / 07 / 28
#	REVISION	DATE

Consultant:

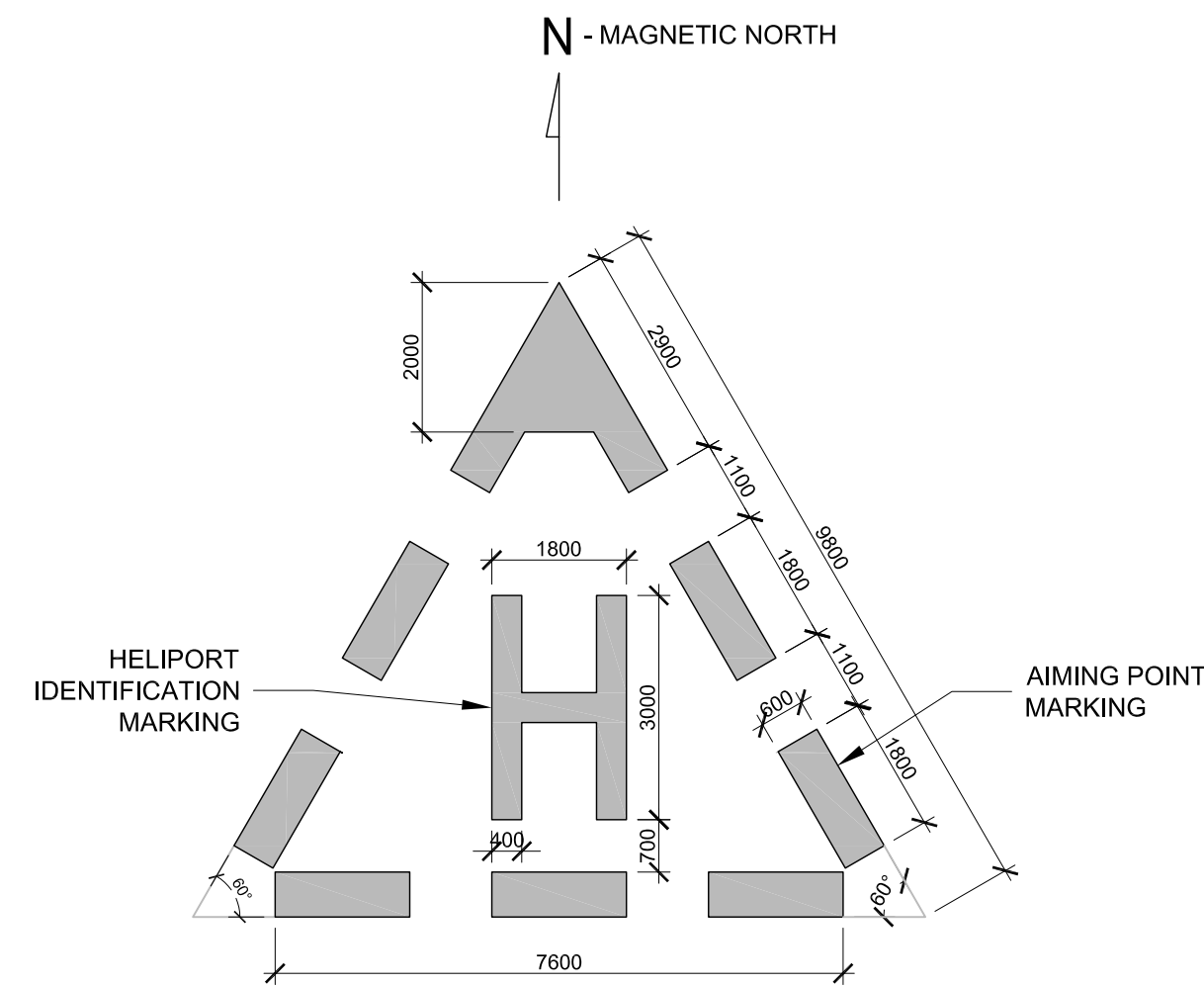
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Project: NIAGARA OFFICE ADMINISTRATION FACILITY HELIPORT
Location: Niagara-on-the-Lake, Ontario

Project Manager:	PJ
Project Number:	201405776
Tender:	September 29, 2014
Date:	January 08, 2015
Scale:	1:300
Drawn By:	ww
Checked By:	

Drawing Title: SITE PLAN - HELIPORT ENLARGED

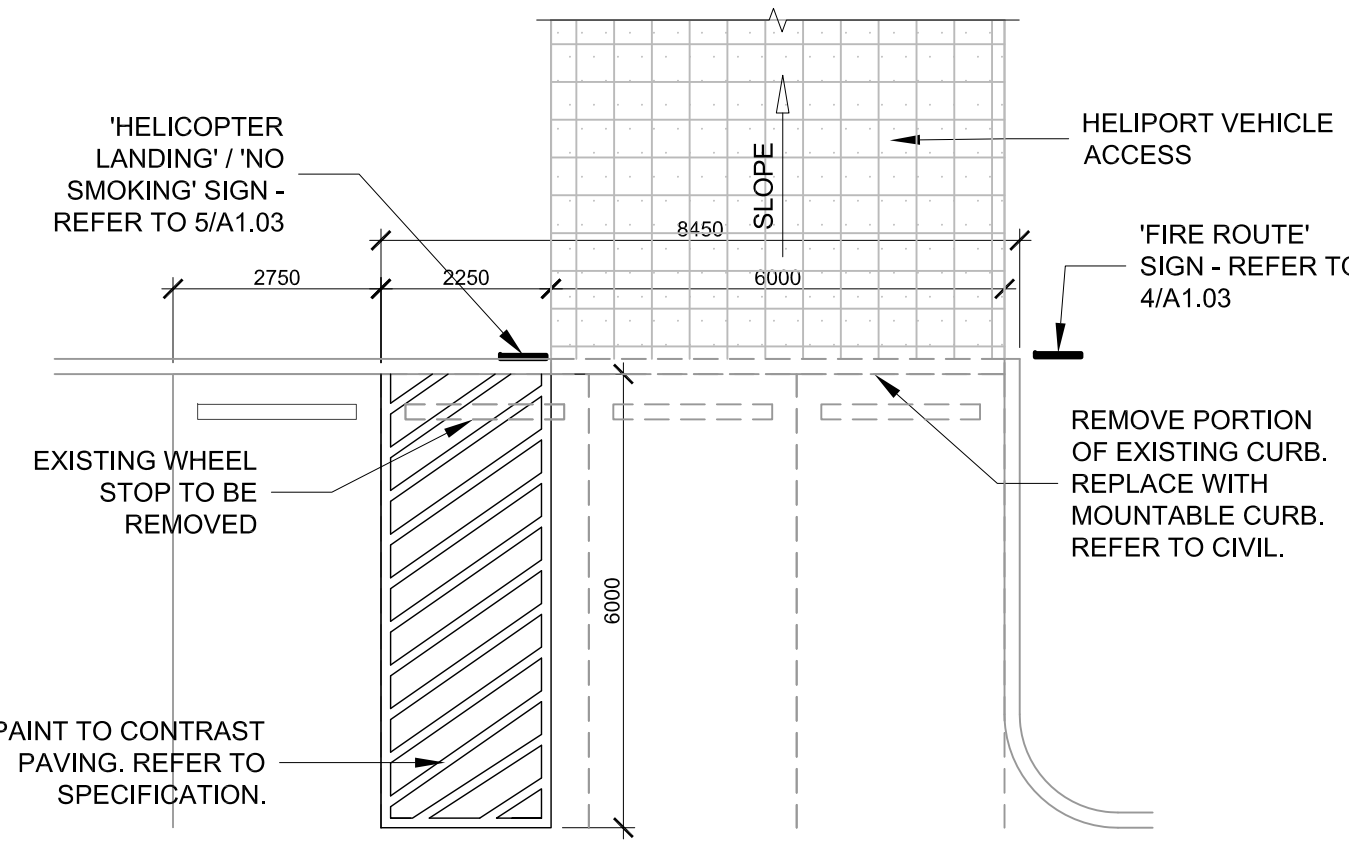
Drawing: A1.02



NOTE:
THE TRIANGLE, LETTER 'H' AND FATO BOUNDARY MARKINGS ARE WHITE AND EDGED WITH A 15cm BLACK BORDER TO IMPROVE CONTRAST

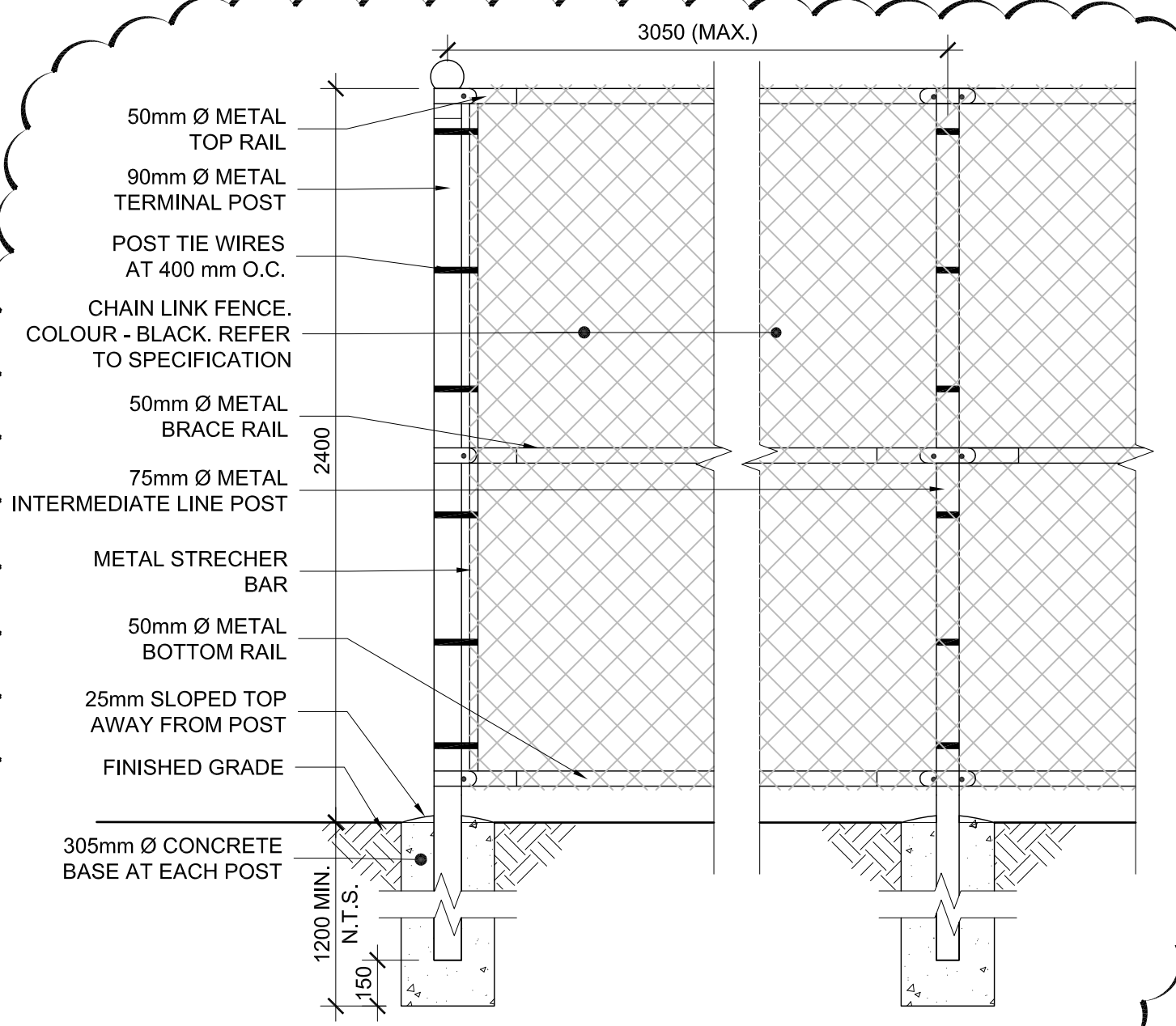
THE AIMING POINT MARKING SHALL BE ALIGNED WITH THE MAGNETIC NORTH EXCEPT IN AREAS OF COMPASS UNRELIABILITY WHERE IT SHALL BE ORIENTED WITH THE TRUE NORTH.

1 HELIPOINT IDENTIFICATION & AIMING POINT MARKING
A1.03 SCALE = 1:100

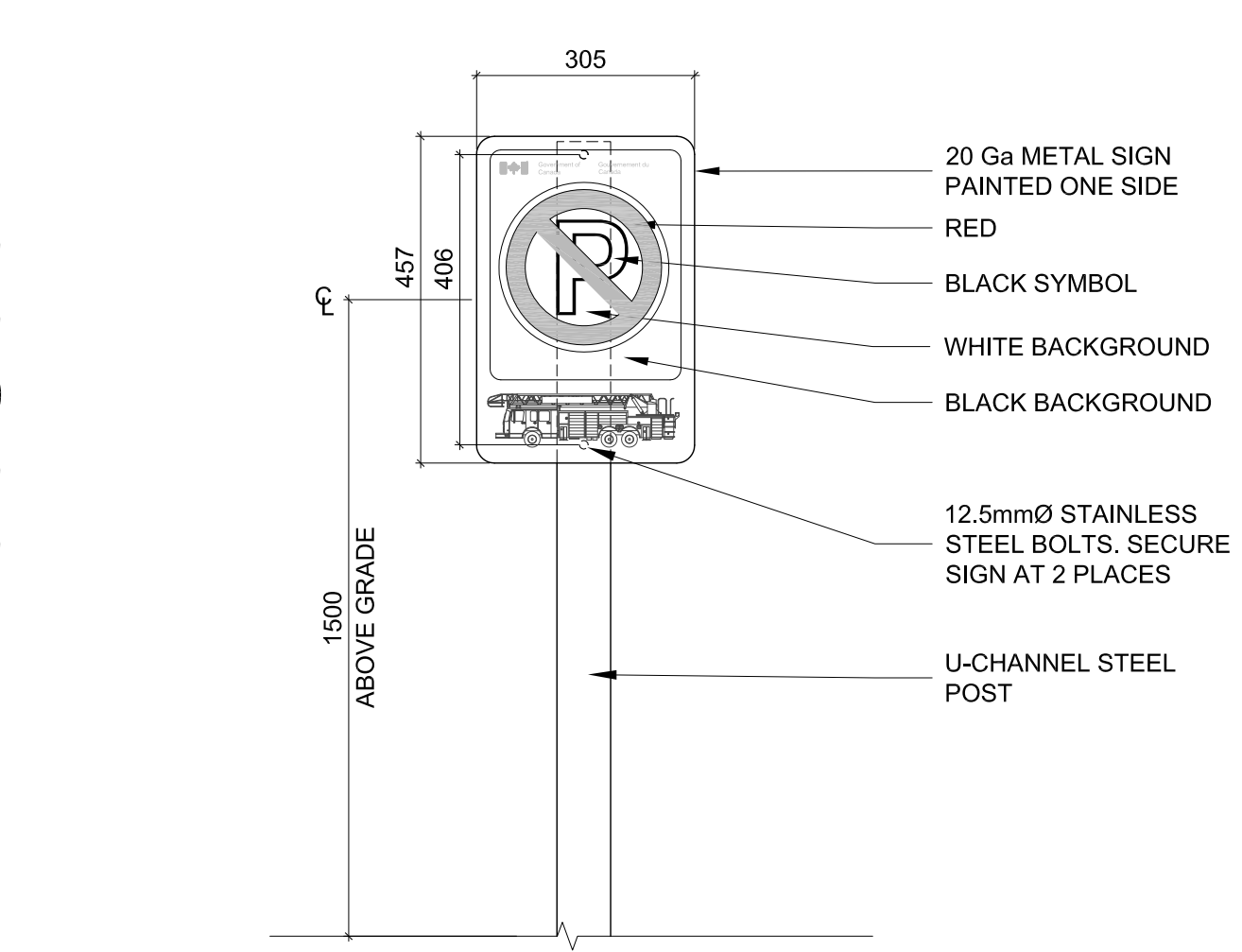


NOTES:
1. ALL PARKING LOT LINE STRIPING TO BE 125mm WIDE. REFER TO SPECIFICATION FOR PAINT TYPE & COLOUR.
2. ALL PARKING DIMENSIONS SHOWN TO CENTERLINE OF STALL STRIPES. STALL DIMENSIONS VARY. REFER TO SITE PLAN.
3. REFER TO SITE PLAN 1/A1.00 FOR STALL LOCATION.

2 VEHICLE ACCESS RAMP DETAIL
A1.03 SCALE = 1:100

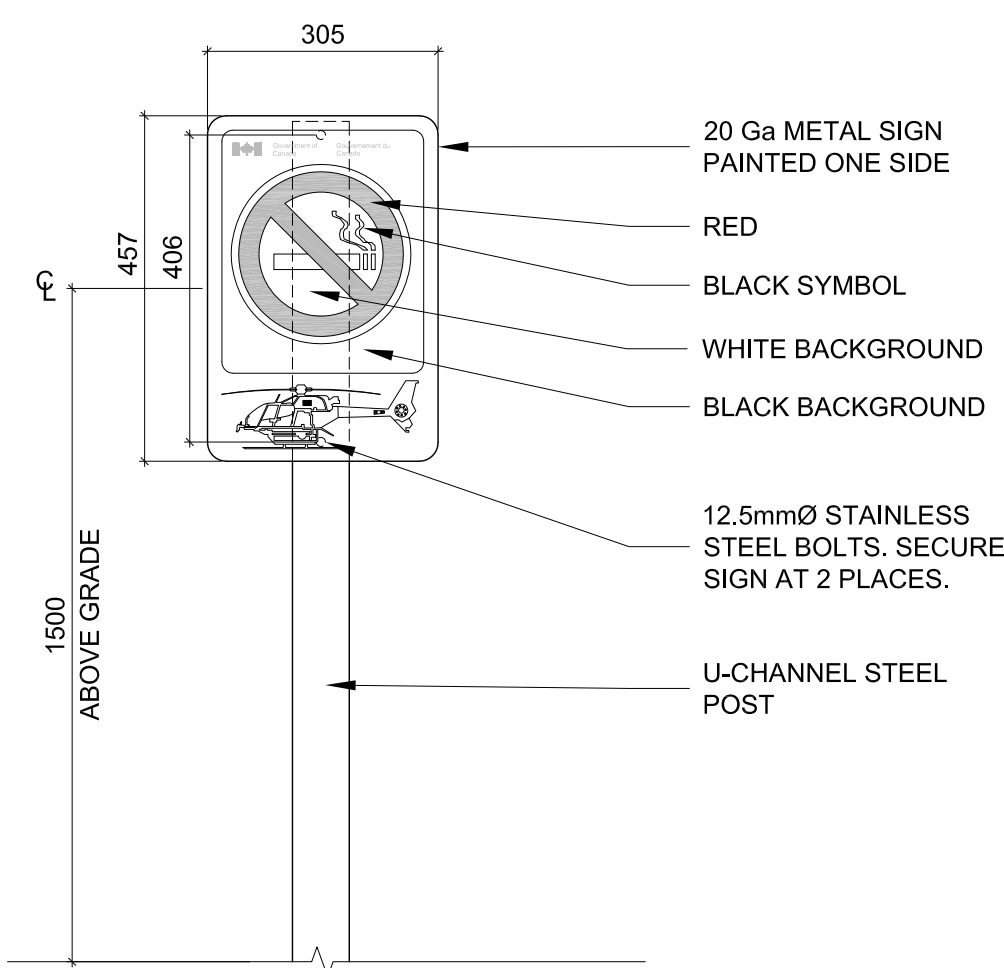


3 PERIMETER FENCE TYPICAL BAY DETAIL
A1.03 SCALE = 1:20



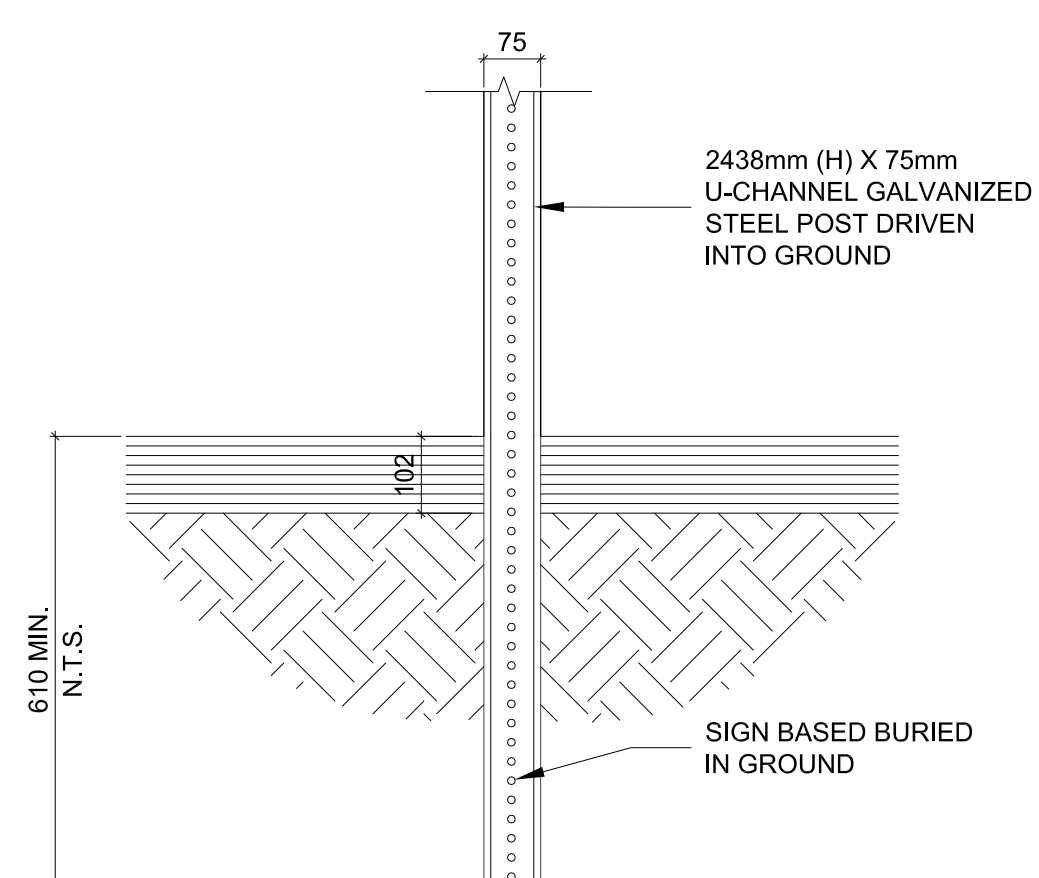
NOTE:
1. SIGNS TO MATCH OTHER SIGNS ALREADY INSTALLED ON PROPERTY

4 FIRE ROUTE SIGN DETAIL
A1.03 SCALE = 1:10

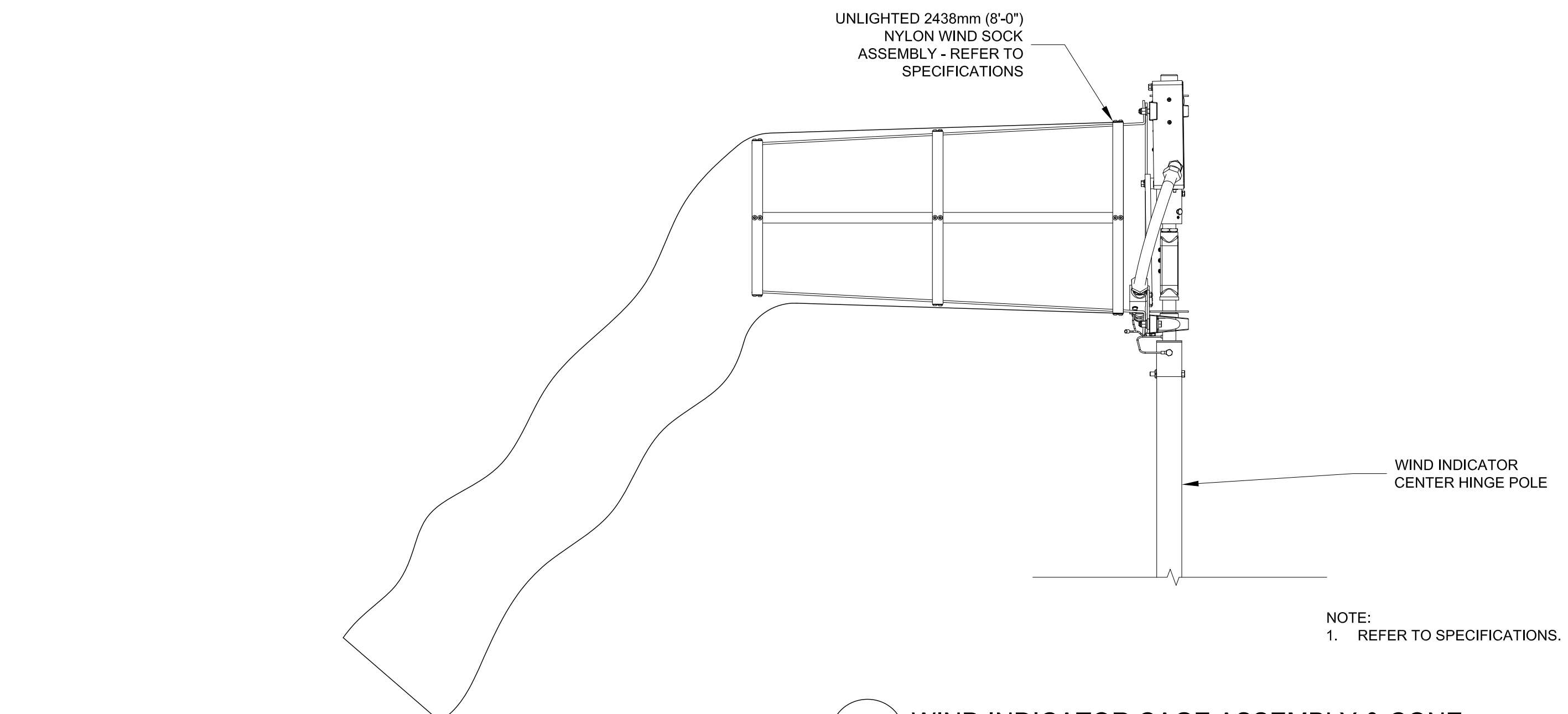


NOTE:
1. SIGNS TO MATCH OTHER SIGNS ALREADY INSTALLED ON PROPERTY

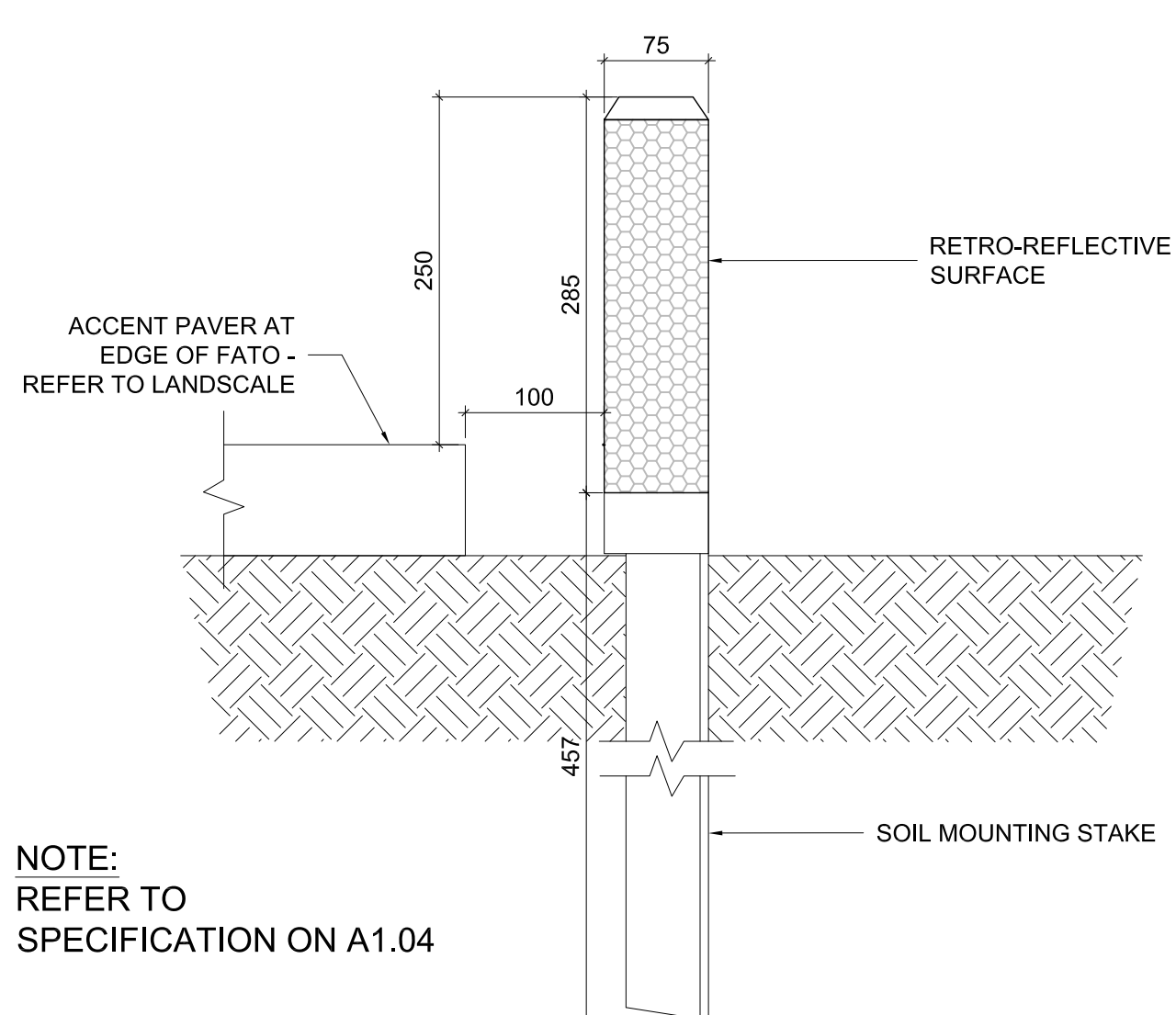
5 'NOSMOKING / HELICOPTER LANDING' SIGN DETAIL
A1.03 SCALE = 1:10



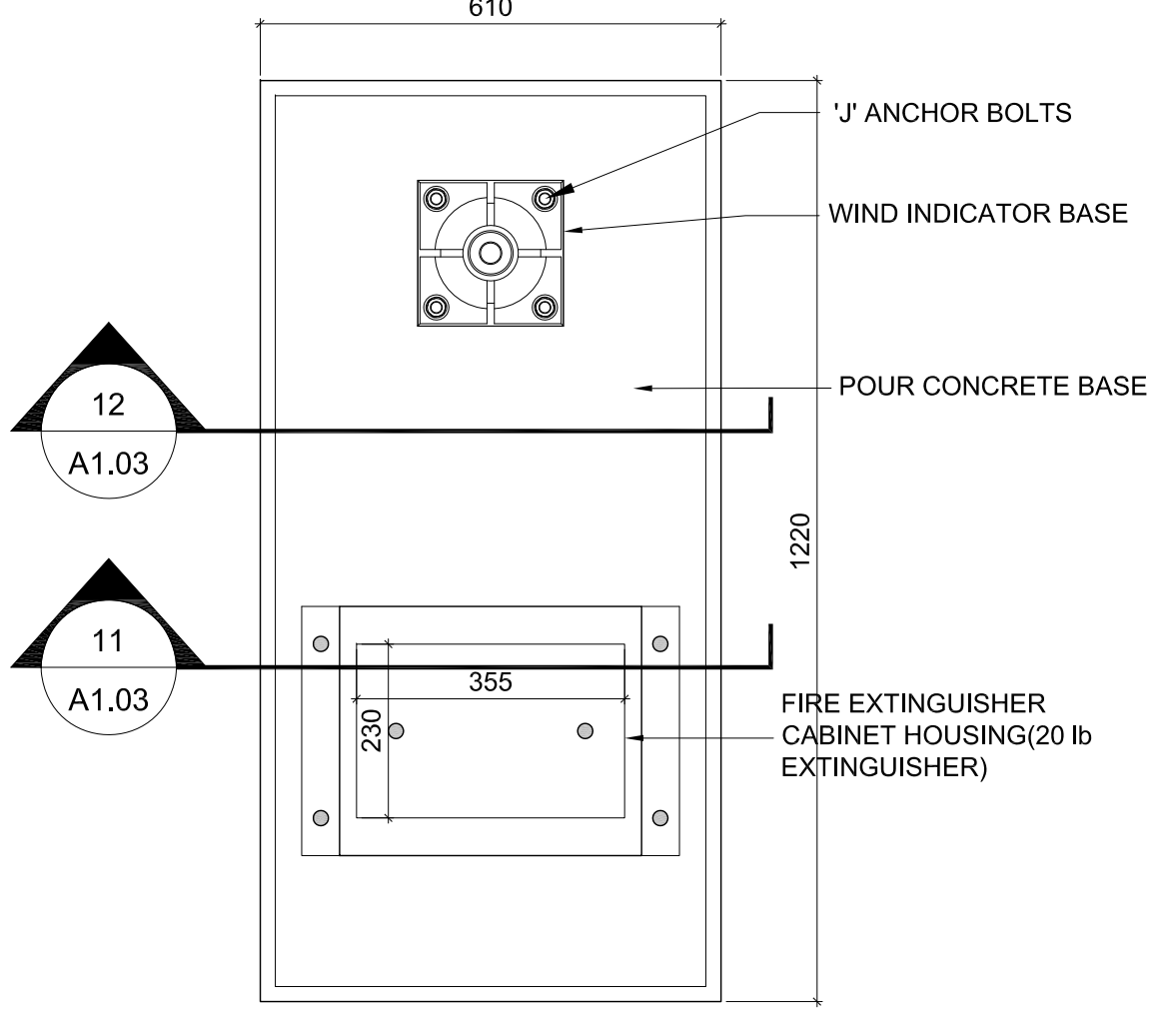
6 U-CHANNEL POST DETAIL
A1.03 SCALE = 1:10



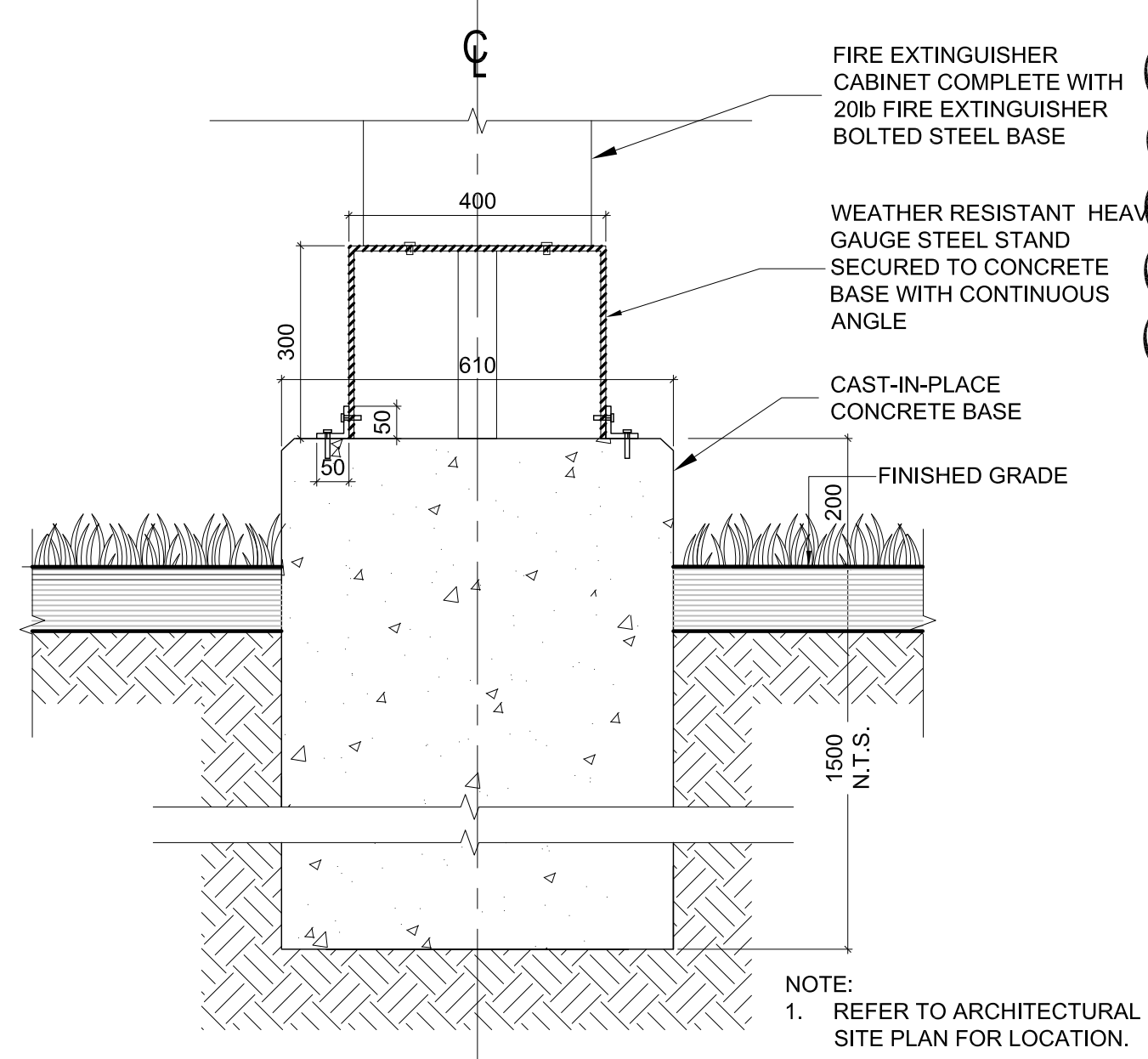
7 WIND INDICATOR CAGE ASSEMBLY & CONE
A1.03 SCALE = 1:10



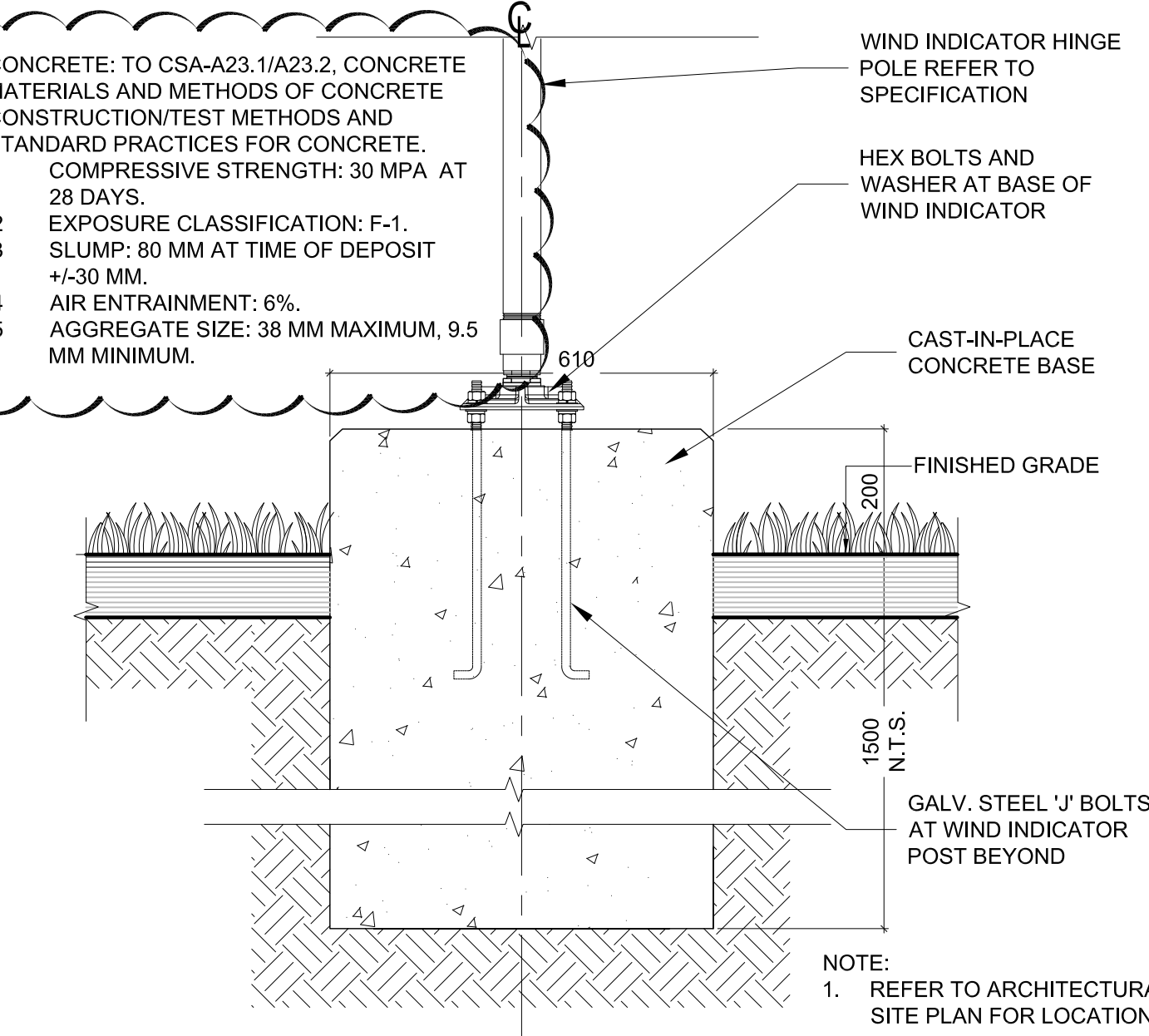
9 FATO EDGE MARKER DETAIL
A1.03 SCALE = 1:5



10 FIRE EXTINGUISHER / WIND INDICATOR BASE PLAN
A1.03 SCALE = 1:10



11 FIRE EXTINGUISHER BASE
A1.03 SCALE = 1:10



12 WIND INDICATOR BASE
A1.03 SCALE = 1:10

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Consultant:

Client:
Government of Canada / Gouvernement du Canada

Project:
NIAGARA OFFICE ADMINISTRATION FACILITY HELIPOINT

Location:
Niagara-on-the-Lake, Ontario

Project Manager:	PJ
Project Number:	201405776
Tender:	September 29, 2014
Date:	January 08, 2015
Scale:	AS INDICATED
Drawn By:	WW
Checked By:	-

Drawing Title:
SITE DETAILS - HELIPOINT ENLARGED

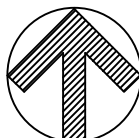
Drawing:
A1.03

NOTES TO CONTRACTOR:

- INSPECTION:** CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
- CONFIRMATION OF EXISTING INVERTS:** 72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING SEWERS AT CONNECTION POINTS WITH THE ENGINEER PRESENT. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

REBANKS Pepper
Littlewood Architects Inc.
 402-1491 Yonge Street, Toronto, Ontario, M4T 1Z4
 Tel (416)964-7163 Fax (416)964-5817 www.rebanks.ca

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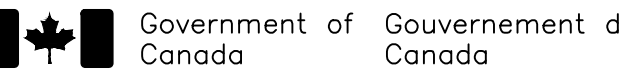
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5	Issued with Addendum #2 2015/01/07
4	Re-issued for Tender 2015/01/07
3	Issued for Tender / SPA 2014/09/29
2	Issued for Client Review 2014/09/15
1	Issued for Client Review 2014/07/28
#	REVISION DATE

Consultant:


MTE
 25 YEARS 1985-2010

Site Division
 (905)639-2552 www.mte85.com

Client:


 Government of Canada / Gouvernement du Canada

Project:

NIAGARA OFFICE ADMINISTRATION FACILITY

Location:

Niagara-on-the-Lake, Ontario

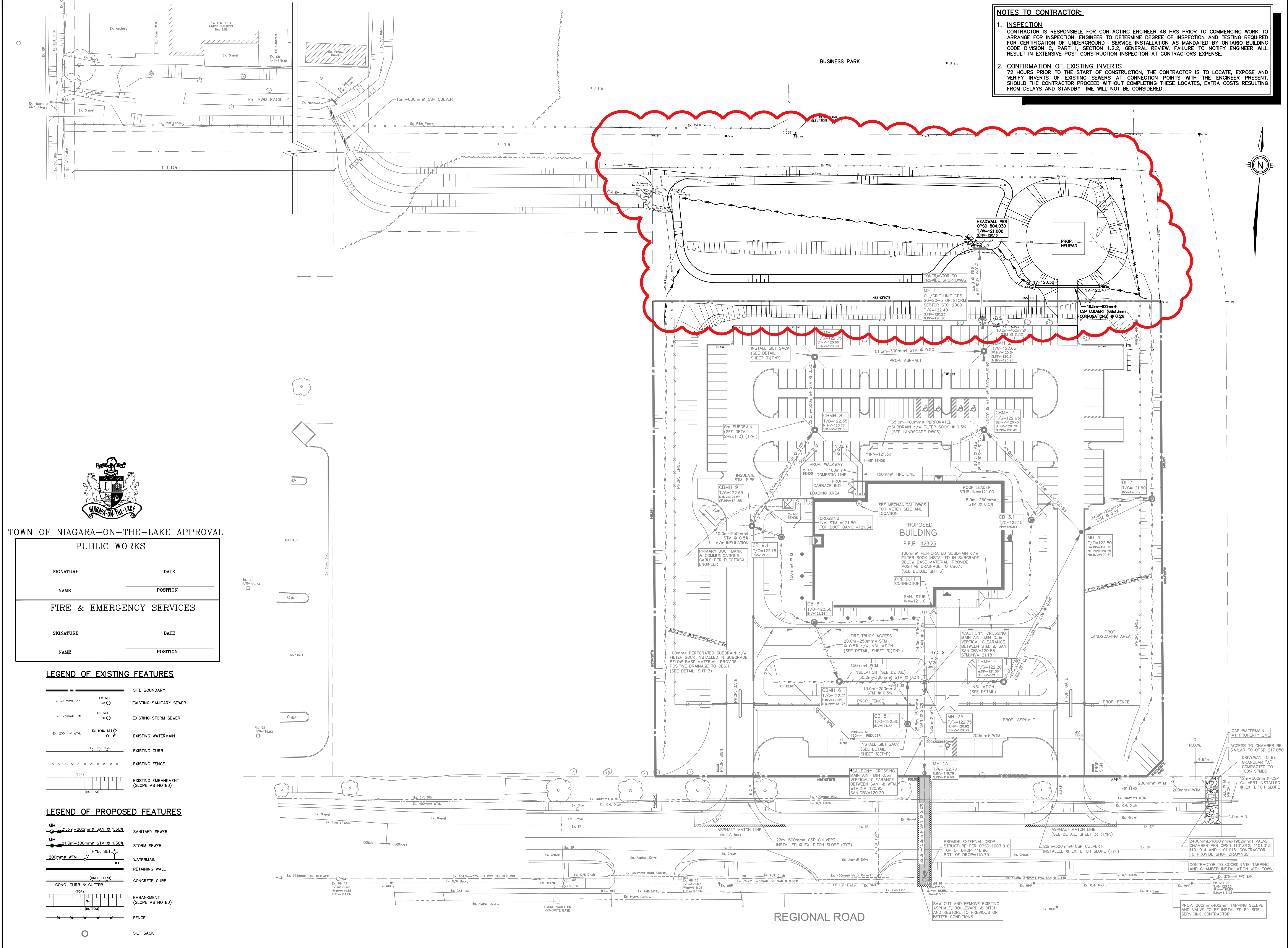
Project Manager: PJ
 Project Number: 1322-003
 Tender: 2012/04/10
 Date: Sep.21/11
 Scale: 1:500
 Drawn By: AXG
 Checked By: SVF

Drawing Title:

SITE SERVICING PLAN

Drawing:

C2.2




TOWN OF NIAGARA-ON-THE-LAKE APPROVAL

PUBLIC WORKS

SIGNATURE	DATE
NAME	POSITION

FIRE & EMERGENCY SERVICES

SIGNATURE	DATE
NAME	POSITION

- LEGEND OF EXISTING FEATURES**
- SITE BOUNDARY
 - Ex. 300mm SAN --- EXISTING SANITARY SEWER
 - Ex. 375mm STM --- EXISTING STORM SEWER
 - Ex. 200mm WTM --- EXISTING WATERMAIN
 - EXISTING CURB
 - EXISTING FENCE
 - (TOP) --- EXISTING EMBANKMENT (SLOPE AS NOTED)
- LEGEND OF PROPOSED FEATURES**
- MH 21.3m-200mm SAN @ 1.50% --- SANITARY SEWER
 - MH 21.3m-300mm STM @ 1.30% --- STORM SEWER
 - HYD. SET --- WATERMAIN
 - RETAINING WALL
 - CONC. CURB & GUTTER --- CONCRETE CURB
 - (TOP) --- EMBANKMENT (SLOPE AS NOTED)
 - FENCE
 - SILT SACK

