NIAGARA HEALTH SYSTEM
PROJECT NO. SCS 18-006
FORM OF TENDER

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
		Note: *Items are not exclusive to one section (public road vs parking lot) where an applicable item is omitted from one section the owner reserves the right to employ similar items from the other section at no additional cost.*				
		Note: *Should the final tender amount exceed the total budget amount authorized by the Mininstry of Health the owner reserves the right to eliminate items from the tender such that the overall contract total falls within the approved amount.*				
		SECTION 'A' - GENERAL				
1.	A1	Bonding (100% Materials and Performance bond per NPSCD)	1	L.S.		
2.	A2 SSP	Preconstruction Survey	1	L.S.		
3.	A5 SSP	Clearing and grubbing	1	L.S.		
4.	A7	Install, maintain and remove silt control devices				
		a) Light duty silt fence barrier per OPSD 219.110	750	m		
		b) Silt sacs in all catchbasins	12	ea		
5.	A8	Construction signs, traffic control and traffic management plan				
		a) Traffic Management Plan	1	L.S.		
		b) Traffic Control, including Construction Signs	1	L.S.		
		c) Temporary Concrete Barricades - supply, install, and removed upon completion of permanent roadway	1	L.S.		
6.	A9	Contingency Allowance	1	L.S.	$150,000.00	$150,000.00
		TOTAL SECTION 'A' - GENERAL				$

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
		SECTION 'B' - ROADS				
7.	B1	Test Pits				
		a) up to 1m in depth	5	ea		
		b) up to 3m in depth	5	ea		
		c) by Hydroexcavation	8	hr		
8.	B2	Excavation and Pre-Grading				
		a) Roadways, boulevard area and temporary access to finished subgrade, including clean up and fine grade overall site once servicing works are complete. Including filling and compaction of existing ditches.				
		(Area 3,300 sq.m, approximate cut 1,250 m3)	1	L.S.		
		a) Parking lot area to finished subgrade, including clean up and fine grade overall site once servicing works are complete. Including filling and compaction of existing ditches.				
		(Area 11,000 sq.m, approximate cut 1,750 m3)	1	L.S.		
		b) Disposal of excess material off-site	1,500	m^3		
		c) Topsoil stripping and disposal off-site	2,000	m^3		
9.	B3	Granular material -				
		a) Granular 'A' roadways - 450mm compacted thickness.	1,890	m^2		
		b) Granular 'A' Temporary access roadway - 450mm compacted thickness.	200	m^2		
		c) Granular 'A' parking lot - 375mm compacted thickness.	9,900	m^2		
		d) CREDIT to place and compact recycled granular on bottom 200mm of parking lot.	2,000	m^3	(-$)	(-$)
10.	B6 SSP	Installation of perforated subdrain with filter cloth as per typical road cross-section -				
		a) 100mm diameter plastic pipe, corrugated, perforated Geotextile Filter Cloth	350	m		
		a) 100mm diameter plastic pipe, corrugated, perforated Geotextile Filter Cloth. - 3m each way per CB.	36	m		
11.	B7	Culvert Installation				
		a) 375mm dia. - CSP	26.5	m		
		b) 300mm dia. - CSP	9.0	m		
12.	B8 SSP	Concrete Curb and Gutter including wheelchair ramps and 2 - 10m rebar.				
		a) Public Road - Straight and curbed sections per OPSD 600.040	350	m		
		b) Parking Lot - Concrete curb and gutter per OPSD 600.040	980	m		
		b) +/-3.0m length at roadway catchbasins including adjustment of catchbasins to finished asphalt (PROVISIONAL)	6	ea		
13.	B9	Concrete Sidewalk Various widths over 100mm Granular 'A'				
		a) 125mm thick on Public Road	510	m^2		
		b) 125mm thick within Parking Lot	920	m^2		
		c) 150mm with welded wire mesh	15	m^2		
14.	B10 SSP	Sawcutting of existing asphalt	40	m		
15.	B10 SSP	Curb cut by mechanical means	10	m		

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
16.	B11	Asphalt Milling - Verying Widths a) up to 75 mm depth, including tapers at limits and butt joints	190	m^2		
17.	B14	Supply and place hot mix asphalt - a) HL8 HS roadway base asphalt, 50mm thick including adjustment of catchbasins, manholes, valve boxes, temp ramps at limits and temporary curbs at street catchbasins to base asphalt.	1,750	m^2		
		b) HL3 HS roadway top course asphalt - 50mm thick	1,750	m^2		
		c) HL8 HS parking lot base asphalt, 50mm thick including adjustment of catchbasins, manholes, valve boxes, temp ramps at limits and temporary curbs at street catchbasins to base asphalt.	9,500	m^2		
		d) HL3 FINE parking lot top course asphalt - 50mm thick	9,500	m^2		
		c) Temporary asphalt ramp from top of curb to existing asphalt for temporary access road	1	L.S.		
18.	B18	Granular Driveways a) install temporary granular driveway including maintainence	1,300	m^2		
		b) remove temporary granular driveway	1	L.S.		
19.	B21	100mm topsoil and sod - boulevard and ditches.	1,850	m^2		
20.	B23 SSP	Supply and Apply Calcium Chloride (Provisional)	10.0	t		
21.	B24 SSP	Application of Water for Dust Control including power flushing of Road	600	cu m		
22.	B27	Removal of existing items and disposal off-site a) Existing asphalt - roadway	1,170	m^2		
		b) Existing asphalt - sidewalk	290	m^2		
		c) Existing culverts all sizes	100	m		
		d) Existing signs to be removed from existing poles and salvaged for reuse.	4	ea		
		e) Existing fence and gates.	180	m		
		f) Remove existing streetlight system - complete including poles, pole bases, pedestals, junction boxes, conduit (all types), etc. *Luminairs and hydro pedestal to be salvaged and delivered to NHS stores or disposed of at direction of Contract Administrator.*	1	L.S.		
		g) Existing granular parking lot north of new parking lot (PROVISIONAL)	3,500	m^2		
		h) Concrete sidewalk	10	m^2		
23.	B28	Pedestrian Barricade as per OPSD 980.101	4	m		
24.	B29	Wire Mesh - welded-wire mesh through driveway	15	m^2		
25.	B34	Tactile Warning strips (0.60m by 0.60m)	24	ea		

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
26.	B38	Supply and place hot mix asphalt, fillets at roadway catchbasins.	6	ea		
27.	SSP	Geotextile Filter cloth - Terrafix 270R or equal (PROVISIONAL)	3,500	m^2		
28.	SSP	Signs				
		a) New signs on existing metal poles	5	ea		
		b) New signs including metal posts	20	ea		
		c) Salvaged Signs on exisitng poles	5	ea		
		d) Salvaged Signs on new metal poles	5	ea		
		e) Street name signs	2	ea		
		f) New signs on Light Poles	16	ea		
29.	SSP	Line Painting - Organic Solvent				
		a) 10mm white - Organic Solvent	2,065	m		
		b) 60mm Stop Bar - White Thermoplastic	6	m		
		b) Symbol - Thermoplastic	7	ea		
		TOTAL SECTION 'B' - ROADS				$

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
		SECTION 'C-SA' - SANITARY SEWERS				
30.	C1 SSP	Sanitary Main Sewer - PVC DR 35 Granular 'A' bedding and cover as per OPSD 1005.02, selected native material backfill except under existing roadway, full granular 'A' backfill to 100% S.P.D. and full roadway restoration.				
		a) EXMH to 'A' - 200mm dia.	70.2	m		
		b) MH 'A' to 'B' - 200m dia.	76.4	m		
		c) MH 'B' to STUB - 200mm dia.	9.4	m		
31.	C5 SSP	Flushing, TV inspection and mandrel testing immediately upon completion of construction.	156	m		
32.	C6 SSP	Sanitary Manholes - precast manholes OPSD 701.010 complete including frame and cover, parging, benching, steps, granular 'A' backfill Mod-u-loc, drop structures, safety platforms where required and Kor-n-seal assemblies				
		a) MH A - 1200mm dia. +/- 3.6m deep	1	ea		
		b) MH B - 1200mm dia. +/- 3.4m deep	1	ea		
		TOTAL SECTION 'C-SA' - SANITARY SEWERS				$

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
		SECTION 'C-ST' - STORM SEWERS				
33.	C1 SSP	Storm Sewers - concrete pipe Class 65 D with class 'B' bedding and PVC DR35 or PVC Ribbed pipe with class 'B' bedding and cover, selected native material backfill except under existing road, full granular 'A' backfill and roadway restoration, type and size as specified.				
		a) EX MH to MH '1' - 975mm dia.	74.5	m		
		b) MH '1' to MH '2' - 975mm dia.	76.2	m		
		c) MH '2' to PLUG - 975mm dia.	12.5	m		
		e) MH '3' to Hydroguard HG-6 - 450mm dia.	66.1	m		
		f) CBMH '1' to Hydroguard HG-6 - 450mm dia.	32.5	m		
		g) Hydroguard HG-6 to STUB - 450mm dia.	13.7	m		
		h) Hydroguard HG-6 to Outlet - 525mm dia.	28.8	m		
34.	C1.2 SSP	Roadway catchbasin, rear lot catchbasin and ditch inlet leads - PVC DR 35 or PVC Ribbed pipe including granular 'A' bedding and cover, native material.				
		a) 200mm dia. - PCV Ribbed	4	m		
		b) 250mm dia. - PVC Ribbed	12	m		
		a) 300mm dia. - PVC Ribbed	111	m		
		b) 375mm dia. - PVC Ribbed	42	m		
35.	C5 SSP	Flushing, TV inspection and mandrel testing immediately upon completion of construction.	473	m		
36.	C6 SSP	Storm Manholes - Precast concrete complete including frame and cover, Mod-u-loc adjustments to base asphalt, parging, concrete pipe support, benching, steps, granular 'A' backfill, and safety platforms where required.				
		a) MH 1 - 2400mm dia. +/- 2.7m	1	ea		
		b) MH 2 - 2400mm dia. +/- 3.2m	1	ea		
		c) MH 3 - 2400mm dia. +/- 2.7m	1	ea		
		d) CBMH 1 - 1200mm dia. +/- 1.3m	1	ea		
		e) Oil/Grit Separator - Hydroguard HG-6 or approved equivalent **(Contractor must provide any alternatives as a question and receive approval to the prior to bidding).**	1	ea		
37.	C6	Precast concrete catchbasin -				
38.	SSP	a) Single, OPSD 705.010 - roadways OPSD 400.100 Grate	6	ea		
		b) Double, OPSD 705.020 - roadways OPSD 400.100 Grate	4	ea		
		c) Ditch Inlet OPSD 705.010	3	ea		
39.	SSP	Precast concrete Head Wall, per OPSD 804.040, including grate per OPSD 804.050	1	ea		
		TOTAL SECTION 'C-ST' - STORM SEWERS				$

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
		SECTION 'D' - WATERMAINS				
40.	D1 SSP	Watermain installation including tracer wire, bends, tees, crosses, plugs, reducers, thrust blocks, sleeves, supports, and connection to existing watermain. Granular 'A' bedding and cover as per OPSD 1102.02, selected native material backfill, except under existing roadway, full granular 'A' backfill to 100% S.P.D. including full roadway restoration as per contract drawings. a) 200mm diameter - PVC DR18	157	m		
41.	D2	Water valves and valve boxes a) 200 mm diameter valve & box	2	ea		
		b) 200 mm by 200mm diameter cut-in tee, sleeve and 200mm diameter valve & box	1	ea		
42.	D2 D3	a) Hydrant sets, complete with anchor tee and secondary valve per OPSD 1105.01	2	ea		
43.	D4	Water Service a) 25mm galvinized steel (min 350 PSI)	4	m		
44.	D5	Mainstop	1	ea		
		a) 25mm	4	m		
45.	D6	Curb Stop	1	ea		
		a) 25mm self-draining	4	m		
46.	D10	Cathodic protection				
		a) Type DZP 1110-12	18	ea		
		b) Type DZP 1110-24	2	ea		
47.	D13	Watermain disinfection and pressure testing	1	L.S.		
48.	D14	Watermain tracer wire conectivity testing	1	L.S.		
49.	D15	Petolatum Tape Corrosion Protection	1	L.S.		
50.	SSP	Fire hydrant flow testing and painting per NFPA (PROVISIONAL)	1	L.S.		
		TOTAL SECTION 'D' - WATERMAINS				$

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
		SECTION 'E' - ADDITIONAL ITEMS				
51.	SSP	Fencing				
		a) Black vinyl chain link, commercial grade mesh per OPSD 972.130 with top rail.				
		i) 1.8m high	235	m		
		ii) 1.5m high	50	m		
		iii) 1.2m wide pedestrian gate (PROVISIONAL)	2	ea		
		b) 1.8m high pressure treated wooden privacy fence	40	m		
52.	SSP	Regrading of Ditches				
		a) Excavation and grading of proposed ditch including 100mm topsoil	110	m		
		b) Sod	375	m		
		TOTAL SECTION 'E' - ADDITIONAL ITEMS				$
		SECTION 'F' - ELECTRICAL (PUBLIC ROAD)				
53.	SSP	ONLY CONTRACTORS ON ELECTRA UTILITIES CORPORATION (FORMERLY HORIZON UTILITIES CORPORATION) APPROVED CONTRACTOR LIST SHALL BE PERITTED TO PREFORM THIS WORK. ELECTRICAL ITEMS SHALL BE PROVIDED IN ADDENDUM #1				
		TOTAL SECTION 'F' - ELECTRICAL (ROAD)				$
		SECTION 'G' - ELECTRICAL (PARKING LOT)				
54.	SSP	ELECTRICAL (PARKING LOT) ITEMS SHALL BE PROVIDED IN ADDENDUM #1				
55.	SSP	ALLOWANCE to retian the Hospitals parking service providor (Precise ParkLink Inc.) to install and connect new parking control infactructure to the existing system. Actual payment based on invoiced submitted through Contractor, allowing for a 5% markup for coordination. Invoices to be supplied to Contract Administrator for payment. Any equptment or labour by GC to support Precise ParkLink Inc. shall be paid at OPSS 127 rates.	12	L.S.	$300,000.00	$300,000.00
		TOTAL SECTION 'G' - ELECTRICAL (PARKING LOT)				$
		SECTION 'H' - LANDSCAPING				
56.	SSP	Landscaping per Landscape Plan				
		a) Larix Laricinia (Larch) - 150cm high	12	ea		
		b) Picea Glauca (White Spruce) - 150cm high	18	ea		
		c) Pinus Strobus (White Pine) - 100cm high	18	ea		
		d) Acer Rubrum (Red Maple) - 60mm caliper	24	ea		
		e) Liriodendron Tulipifera (Tulip Tree) - 60mm caliper	12	ea		
		f) Quercus Alba (White Oak) - 60mm caliper	18	ea		
		g) Quercus Alba 'Crimschmidt' (Crimson Spire Oak) - 60mm caliper	18	ea		
		h) Quercus Rubra (Red Oak) - 60mm caliper	10	ea		
		i) Myrica Pensylvanica - 60mm caliper	12	ea		
		TOTAL SECTION 'H' - LANDSCAPING				$