T/G=94.85

NNV F=93 23

'/INV.W=93.33

INV.S=93.20

REFER TO PLAN 117193-GP2 FOR CONTINUATION OF PROPOSED SITE SERVICING

INFORMATION SHOWN ON THIS PLAN. AS-BUILT INFORMATION MUST INCLUDE: PIPE MATERIAL, SIZES, LENGTHS, SLOPES, INVERT AND T/G ELEVATIONS, STRUCTURE LOCATIONS, VALVE AND HYDRANT LOCATIONS, T/WM ELEVATIONS AND ANY ALIGNMENT

1. SUPPLY AND CONSTRUCT ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA

STORM / SANITARY MANHOLE (1200mmØ) 400.020 OPSD STORM / SANITARY MH FRAME & COVER OPSD 401.010 401.030 CITY OF OTTAWA

PVC DR 35 PVC DR 35 PVC DR 35

OTTAWA STANDARD DETAILS S14 AND S14.1 OR S14.2. 4. INSULATE ALL PIPES (SAN/STM) THAT HAVE LESS THAN 1.5m COVER WITH HI-40 INSULATION PER INSULATION DETAIL FOR SHALLOW SEWERS. PROVIDE 150mm CLEARANCE BETWEEN PIPE AND INSULATION.

5. SERVICES ARE TO BE CONSTRUCTED TO 1.0m FROM FACE OF BUILDING AT A MINIMUM SLOPE OF 1.0%.

6. PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY

DENSITY. THE USE OF CLEAR CRUSHED STONE AS A BEDDING LAYER SHALL NOT BE PERMITTED.

. FLEXIBLE CONNECTIONS ARE REQUIRED FOR CONNECTING PIPES TO MANHOLES (FOR EXAMPLE KOR-N-SEAL, PSX: POSITIVE SEAL

AND DURASEAL). THE CONCRETE CRADLE FOR THE PIPE CAN BE ELIMINATED.

THE OWNER SHALL REQUIRE THAT THE SITE SERVICING CONTRACTOR PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS. LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPSS 410.07.16, 410.07.16.04 AND 407.07.24.

DYE TESTING IS TO BE COMPLETED ON ALL SANITARY SERVICES TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN. THE FIELD TESTS SHALL BE PERFORMED IN THE PRESENCE OF A CERTIFIED PROFESSIONAL ENGINEER WHO SHALL SUBMIT A CERTIFIED COPY OF THE TEST RESULTS.

9. ALL STORM MANHOLES AND CATCHBASIN MANHOLES ARE TO HAVE 300mm SUMPS UNLESS OTHERWISE INDICATED. ALL CATCHBASINS ARE TO HAVE 600mm SUMPS UNLESS OTHERWISE INDICATED.

10. ALL CATCHBASINS, MANHOLES AND/OR CATCHBASIN MANHOLES THAT ARE TO HAVE ICD'S INSTALLED WITHIN THEM ARE TO HAVE

11. ALL WEEPING TILE CONNECTIONS ARE TO BE MADE TO THE PROPOSED STORM SEWER SYSTEM DOWNSTREAM OF ANY INLET

CONTROL DEVICES.

12. CONTRACTOR TO TELEVISE (CCTV) ALL PROPOSED SEWERS, 200mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON

COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.

BEDDING AS SPECIFIED SHALLOW SEWERS THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT

LOCATION OF ALL SUCH UTILITIES AND

DAMAGE TO THEM.

STRUCTURES AND ASSUME ALL LIABILITY FOR

ti INSULATION

W = D + 300 (1000 min.) W = WIDTH OF INSULATION (mm)

INSULATION

THICKNESS

D = O.D OF PIPE (mm)

REFUSED DERRICK MOODIE MANAGER, DEVELOPMENT REVIEW – WEST

PLANNING, INFRASTRUCTURE & ECONOMIC

DEVEVELOPMENT DEPARTMENT, CITY OF OTTAWA

OWNER INFORMATION 20 FRANK NIGHBOR INC. 11266 FIFTH LINE HALTON HILLS, ON, L7G 4S6 SUNNY BAINS PHONE: 1-877-401-3423 sbains35@gmail.com

SCALE 1:250 REVISED PER CITY COMMENTS MAY 24/18 F REVISED PER CITY COMMENTS APR 23/18 ISSUED FOR SITE PLAN APPROVAL FEB 9/18

T/G=94.85

INV.E=93.30

INV.W=93.29

DATE

H. BEND

F.S. THAUVETTE 100041399 MAY 24, 2018

FOR REVIEW ONLY

T/G=94.85

INV.N=93.45

INV.W=93.37

SM / FST

SM / FS

Engineers, Planners & Landscape Architects Ottawa, Ontario, Canada K2M 1P6 (613) 254-5867 Facsimile

www.novatech-eng.com

Website

CITY OF OTTAWA 20 FRANK NIGHBOR PLACE - CAMP MART SITE DRAWING NAME

GENERAL PLAN OF SERVICES

REV # 3

PROPERTY LINE

AND SEWER

AND SEWER

VAL VE & LEAD

UITILITY WIRES

CBMH 🔘

STMMH ()___

— x — x — x — x — EXISTING FENCE

FXISTING SANITAR

EXISTING CONCRETE CURB

EXISTING CATCHBASIN MANHO

EXISTING CATCHBASIN C/M

EXISTING UTILITY POLE CAN

EXISTING LIGHT STANDARD

PROPOSED WATER METER

PROPOSED LIGHT STANDARD

PROPOSED TRANSFORMER

AND REMOTE METER

EXISTING HYDRANT

EXISTING WATERMAIN