

IBI GROUP 400 – 333 Preston Street Ottawa ON K1S 5N4 Canada tel 613 225 1311 fax 613 225 9868 ibigroup.com

## CONTRACT NO. 136063

## 900 WATTERS ROAD CROWN POINTE COMMERCIAL PHASE 3



# CROWN POINTE CROWN POINTE Co-TENANCY

| Sheet List Table |                                   |  |  |  |  |
|------------------|-----------------------------------|--|--|--|--|
| Sheet Number     | Sheet Title                       |  |  |  |  |
|                  | 000 COVER                         |  |  |  |  |
| C-001            | GENERAL PLAN OF SERVICES          |  |  |  |  |
| C-010            | DETAILS AND NOTES                 |  |  |  |  |
| C-200            | GRADING PLAN                      |  |  |  |  |
| C-400            | SANITARY DRAINAGE AREA PLAN       |  |  |  |  |
| C-500            | STORM DRAINAGE AREA PLAN          |  |  |  |  |
| C-900            | EROSION AND SEDIMENT CONTROL PLAN |  |  |  |  |



2022-05

CP3-IB-

Muldnen

#### GERALDINE WILDMAN ACTING MANAGER, DEVELOPMENT REVIEW EAST PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT **DEPARTMENT, CITY OF OTTAWA**

APPROVED *By wildmange at 12:55 pm, May 23, 2022* 

|   | Station  | Description           | Finished | lop of | As Built |
|---|----------|-----------------------|----------|--------|----------|
| A | 0+000.00 | TE                    | 87.64    | 85.24  |          |
|   | 0+002.07 | VB                    | 87.63    | 85.23  |          |
|   | 0+008.35 | 45° BEND              | 87.88    | 85.48  |          |
|   | 0+027.10 | 22.5° BEND            | 88.12    | 85.72  |          |
|   | 0+028.41 | 45° BEND              | 88.13    | 85.73  |          |
|   | 0+032.14 | TEE 200x50            | 86.97    | 84.57  |          |
| В | 0+034.00 | SERVICE               | 87.54    | 85.14  |          |
| С | 0+000.00 | TEE                   | 87.85    | 85.45  |          |
|   | 0+002.20 | VB                    | 87.88    | 85.48  |          |
|   | 0+007.76 | 22.5° BEND            | 87.84    | 85.44  |          |
|   | 0+076.37 | VB                    | 88.07    | 85.67  |          |
| Ш | 0+078.37 | TEE                   | 87.94    | 85.54  |          |
| D | 0+000.00 | TEE                   | 86.50    | 84.10  |          |
|   | 0+010.50 | DMA CHAMBER AND VALVE | 87.24    | 84.84  |          |
|   | 0+023.18 | HY DRANT TEE          | 87.36    | 84.96  |          |
| Ш | 0+091.94 | TEE                   | 87.94    | 85.54  |          |
| E | 0+000.00 | TEE                   | 87.94    | 85.54  |          |
|   | 0+002.00 | VB                    | 87.97    | 85.57  |          |
|   | 0+012.31 | 45° BEND              | 88.06    | 85.66  |          |
|   | 0+038.14 | 45° BEND              | 87.88    | 85.48  |          |
|   | 0+042.60 | HY DRANT TEE          | 87.89    | 85.49  |          |
|   | 0+048.42 | VB                    | 87.89    | 85.49  |          |
|   | 0+049.13 | 45° BEND              | 87.88    | 85.48  |          |
|   | 0+053.55 | 45° BEND              | 88.07    | 85.67  |          |
| F | 0+057.13 | SERVICE               | 88.14    | 85.74  |          |
| G | 0+000.00 | 45° BEND              | 87.79    | 85.39  |          |
|   | 0+002.37 | 22.5° BEND            | 87.86    | 85.46  |          |

| SAN STRUCTURE TABLE |           |           |                       |            |                        |                      |  |  |  |  |
|---------------------|-----------|-----------|-----------------------|------------|------------------------|----------------------|--|--|--|--|
| NAME                | RIM ELEV. | INVERT IN | INVERT IN<br>AS-BUILT | INVERT OUT | INVERT OUT<br>AS-BUILT | DESCRIPTION          |  |  |  |  |
| *MH100A             | 87.85     | NE85.830  |                       | NW84.807   |                        | 1200mmØ OPSD-701.010 |  |  |  |  |
| MH101A              | 87.80     | SE84.521  |                       | SW84.461   |                        | 1200mmØ OPSD-701.010 |  |  |  |  |
| MH102A              | 87.81     | NE83.982  |                       | W83.922    |                        | 1200mmØ OPSD-701.010 |  |  |  |  |
| MH103A              | 87.98     | E83.665   |                       |            |                        | 1200mmØ OPSD-701.010 |  |  |  |  |

| STM STRUCTURE TABLE |           |                      |                       |            |                        |                       |  |  |
|---------------------|-----------|----------------------|-----------------------|------------|------------------------|-----------------------|--|--|
| NAME                | RIM ELEV. | INVERT IN            | INVERT IN<br>AS-BUILT | INVERT OUT | INVERT OUT<br>AS-BUILT | DESCRIPTION           |  |  |
| CBMH1               | 87.66     | NE86.182             |                       | SW86.132   |                        | 1200mmØ OPSD-701.010  |  |  |
| MH100               | 87.34     | W85.150              |                       | SE84.706   |                        | 1200mmØ OPSD-701.010  |  |  |
| MH101               | 87.89     | NE84.626<br>NW84.461 |                       | SE84.411   |                        | 1200mmØ OPSD-701.010  |  |  |
| MH102               | 87.90     | NW83.917             |                       | SW83.857   |                        | 1500mmØ OPSD-701.011  |  |  |
| MH103               | 88.13     | NE83.592             |                       | SE83.124   |                        | Cascade CS-5 OGS UNIT |  |  |
| MH104               | 87.77     | SE85.773             |                       | SW84.802   |                        | 1200mmØ OPSD-701.010  |  |  |
| MH108               | 87.43     | NW84.589             |                       | SE84.569   |                        | 1200mmØ OPSD-701.010  |  |  |
| XSTMMH              | 87.81     | NE86.016             |                       |            |                        |                       |  |  |

|                         | CROSSING SCHEDULE                           |
|-------------------------|---|
|                         | 200mmØ SAN 1.05m CLEARANCE OVER 525mmØ STM  |
| 2                       | 200mmØ SAN 0.50m CLEARANCE UNDER 200mmØ WM  |
| 3                       | 200mmØ WM 0.27m CLEARANCE OVER 525mmØ STM   |
| 4                       | 200mmØ SAN 0.700m CLEARANCE UNDER 200mmØ WM |
| 5                       | 250mmØ STM 0.500m CLEARANCE OVER 200mmØ WM  |
| 6                       | 200mmØ WM 1.50m CLEARANCE OVER 200mmØ SAN   |
| $\widehat{\mathcal{O}}$ | 200mmØ SAN 1.55m CLEARANCE UNDER 200mmØ WM  |
| 8                       | 375mmØ STM 0.700m CLEARANCE UNDER 200mmØ WM |
| 9                       | 150mmØ WM 0.350m CLEARANCE OVER 300mmØ STM  |
| 10                      | 200mmØ WM 0.620m CLEARANCE UNDER 250mmØ STM |
| 11                      | EX 200Ø LEAD 2.0m CLEARANCE OVER 750mmØ STM |
|                         |   |

|              | CATCH BASIN DATA TABLE |       |        |           |        |          |           |         |             |              |
|--------------|------------------------|-------|--------|-----------|--------|----------|-----------|---------|-------------|--------------|
|              |                        |       |        | ELEVATION |        | OUTLE    | T PIPE    |         |             |              |
| STRUCTURE    | STRUCTURE              | COVER | TOP OF | IN\       | /ERT   | DIAMETER | тург      | HEAD    | FLOW        | ICD TYPE     |
| ID           |                        |       | GRATE  | INLET     | OUTLET | (mm)     | ITPE      |         |             |              |
| CBMH1        | OPSD 701.010           | S19   | 87.65  | 86.182    | 86.132 | 250      | PVC DR-35 | 1.89    | 29.0        | Tempest HF   |
| CB2          | OPSD 705.010           | S19   | 87.65  |           | 86.427 | 200      | PVC DR-35 |         |             |              |
| CB3          | OPSD 705.010           | S19   | 87.30  |           | 85.525 | 250      | PVC DR-35 | 1.65    | 55.0        | Tempest HF   |
| CB4          | OPSD 705.010           | S19   | 87.20  |           | 85.425 | 250      | PVC DR-35 | 1.65    | 45.0        | Tempest HF   |
| CB5          | OPSD 705.010           | S19   | 87.10  |           | 85.350 | 200      | PVC DR-35 | 1.65    | 25.0        | Tempest HF   |
| CB6          | OPSD 705.010           | S19   | 87.20  |           | 85.400 | 300      | PVC DR-35 | 1.65    | 100.0       | Tempest HF   |
| CICB8        | OPSD 705.010           | S19   | 87.20  |           | 85.450 | 200      | PVC DR-35 | 1.65    | 20.0        | Tempest HF   |
| CB9          | OPSD 705.010           | S19   | 87.65  |           | 85.900 | 200      | PVC DR-35 | 1.65    | 30.0        | Tempest HF   |
| TD1          | Zurn Z886              |       | 86.73  |           | 84.620 | 200      | PVC DR-35 |         |             |              |
| PAD DRAIN CB | Zurn Z886-24-HD        | S19   | 86.90  |           | 84.750 | 150      | PVC DR-35 | *NO SUM | P IN CB, CO | NNECT TO STM |



APPROVED By wildmange at 12:55 pm, May 23, 2022

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GERALDINE WILDMAN ACTING MANAGER, DEVELOPMENT REVIEW EAST PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

| ОМНЗА   | SANITARY MANHOLE  | PROPOSED FOOD STORE  | 150MM DIA. PERFORATED<br>FOUNDATION DRAINAGE PIPE  | \$  | SIAMESE CONNECTION (IF REQUIRED)   |
|---|---|--|--|-----|--|
| O <sup>MH3</sup>  | STORM MANHOLE   | 1.3%   | SLOPE C/W FLOW DIRECTION   | M   | METER  |
| CB<br>T/G 99.76   | CATCHBASIN c/w TOP OF GRATE   | $\langle \square$  | MAJOR OVERLAND FLOW ROUTE  | RM  | REMOTE METER   |
| CICB<br>T/G 99.76   | CURB INLET CATCHBASIN c/w TOP OF GRATE  | ×104.62  | PROPOSED SPOT GRADE (ASPHALT GRADE<br>AT CURB LOCATIONS)   | PRV | PRESSURE REDUCING VALVE  |
|   |   | ×104.40<br>(S)   | PROPOSED SWALE GRADE   | A   | WATERMAIN IDENTIFICATION   |
| T/G 99.76   | c/w GUTTER GRADE  | ×104.50<br>(S)HP   | PROPOSED SWALE HIGH POINT  |     | PIPE CROSSING IDENTIFICATION   |
| <del>О<sub>ЕСВ</sub></del><br>Т/G 100.25  | REAR YARD "END" CATCHBASIN<br>C/W TOP OF GRATE 300Ø)  | 104.60<br>103.59 ×   | LOT CORNER GRADE C/W EXISTING GROUND   |     | CONCRETED PAD  |
|   |   | 86.45 EX $	imes$   | TIE INTO EXISTING GRADE  | -   | INLET CONTROL DEVICE LOCATION  |
| T/G 101.55  | c/w TOP OF GRATE  | × 92.51  | EXISTING SURVEY GRADE  | ۲   | PROTECTIVE BOLLARD   |
| ⊗ <sup>v</sup> B  | VALVE AND VALVE BOX   | × <sup>92.35</sup>   | EXISTING IBI SURVEY GRADE  |     | 1  |
| ⊗ <sup>v&amp;c</sup>  | VALVE AND CHAMBER   |  | FULL STATIC PONDING GRADE  |     | HEAVY DUTY ASPHALT / FIRE ROUTE  |
|   |   |  |  |     |  |
| HYD     B /F 100 56   | HYDRANT c/w BOTTOM OF FLANGE ELEVATION  |  | RETAINING WALL   |     |  |
| HYD<br>B/F 100.56     ■   | HYDRANT C/W BOTTOM OF FLANGE ELEVATION<br>BARRIER CURB AS PER SC1.1   | 105.30<br>TWX  | RETAINING WALL   |     | PEDESTRIAN CROSSING C/W TWSI<br>AND DEPRESSED CURB   |
| HYD<br>B/F 100.56     B     B     C | HYDRANT C/W BOTTOM OF FLANGE ELEVATION<br>BARRIER CURB AS PER SC1.1<br>SIDEWALK CURB DEPRESSION AND TWSI  | 105.30<br>Tw<br>103.50<br>BW   | RETAINING WALL<br>TOP OF RETAINING WALL<br>PROPOSED BOTTOM OF RETAINING WALL   |     | PEDESTRIAN CROSSING C/W TWSI<br>AND DEPRESSED CURB   |
| HYD<br>B/F 100.56     ☐ | HYDRANT C/W BOTTOM OF FLANGE ELEVATION<br>BARRIER CURB AS PER SC1.1<br>SIDEWALK CURB DEPRESSION AND TWSI<br>MOUNTABLE CURB AS PER SC1.3   | 105.30<br>™×<br>103.50<br>BWX  | RETAINING WALL<br>TOP OF RETAINING WALL<br>PROPOSED BOTTOM OF RETAINING WALL<br>TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE   |     | PEDESTRIAN CROSSING C/W TWSI<br>AND DEPRESSED CURB<br>PAD MOUNTED TRANSFORMER                  |
| HYD<br>B/F 100.56     □ | HYDRANT C/W BOTTOM OF FLANGE ELEVATION<br>BARRIER CURB AS PER SC1.1<br>SIDEWALK CURB DEPRESSION AND TWSI<br>MOUNTABLE CURB AS PER SC1.3<br>PROPOSED CONCRETE SIDEWALK   | 2000000000000000000000000000000000000  | RETAINING WALL<br>TOP OF RETAINING WALL<br>PROPOSED BOTTOM OF RETAINING WALL<br>TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE<br>PRELIMINARY ROOF DRAIN LOCATION  |     | PEDESTRIAN CROSSING C/W TWSI<br>AND DEPRESSED CURB<br>PAD MOUNTED TRANSFORMER<br>LIGHT FIXTURE |
| ●HYD<br>B/F 100.56  | HYDRANT C/W BOTTOM OF FLANGE ELEVATION<br>BARRIER CURB AS PER SC1.1<br>SIDEWALK CURB DEPRESSION AND TWSI<br>MOUNTABLE CURB AS PER SC1.3<br>PROPOSED CONCRETE SIDEWALK<br>PROPOSED HEAVY DUTY CONCRETE SIDEWALK  | 105.30<br>TW×<br>103.50<br>BW×<br>↓↓↓↓↓↓<br>↓<br>↓↓↓↓↓↓  | RETAINING WALL<br>TOP OF RETAINING WALL<br>PROPOSED BOTTOM OF RETAINING WALL<br>TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE<br>PRELIMINARY ROOF DRAIN LOCATION<br>TEST PITS (SEE GEOTECHNICAL REPORT)   |     | PEDESTRIAN CROSSING C/W TWSI<br>AND DEPRESSED CURB<br>PAD MOUNTED TRANSFORMER<br>LIGHT FIXTURE |
| HYD<br>B/F 100.56   | HYDRANT c/w BOTTOM OF FLANGE ELEVATION<br>BARRIER CURB AS PER SC1.1<br>SIDEWALK CURB DEPRESSION AND TWSI<br>MOUNTABLE CURB AS PER SC1.3<br>PROPOSED CONCRETE SIDEWALK<br>PROPOSED HEAVY DUTY CONCRETE SIDEWALK<br>SANITARY SEWER & FLOW DIRECTION   | 105.30<br>Tw<br>103.50<br>Bw<br>↓↓↓↓↓↓↓<br>↓↓↓↓↓↓↓<br>↓<br>↓↓↓↓↓↓↓   | RETAINING WALL<br>TOP OF RETAINING WALL<br>PROPOSED BOTTOM OF RETAINING WALL<br>TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE<br>PRELIMINARY ROOF DRAIN LOCATION<br>TEST PITS (SEE GEOTECHNICAL REPORT)   |     | PEDESTRIAN CROSSING C/W TWSI<br>AND DEPRESSED CURB<br>PAD MOUNTED TRANSFORMER<br>LIGHT FIXTURE |
| <ul> <li>HYD<br/>B/F 100.56</li> <li>■</li> <li>■</li></ul>   | HYDRANT C/W BOTTOM OF FLANGE ELEVATION<br>BARRIER CURB AS PER SC1.1<br>SIDEWALK CURB DEPRESSION AND TWSI<br>MOUNTABLE CURB AS PER SC1.3<br>PROPOSED CONCRETE SIDEWALK<br>PROPOSED HEAVY DUTY CONCRETE SIDEWALK<br>SANITARY SEWER & FLOW DIRECTION<br>STORM SEWER & FLOW DIRECTION                                   | 105.30<br>Tw<br>103.50<br>Bw<br>↓↓↓↓↓↓<br>↓<br>↓↓↓↓↓↓<br>TP 13-301   | RETAINING WALL<br>TOP OF RETAINING WALL<br>PROPOSED BOTTOM OF RETAINING WALL<br>TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE<br>PRELIMINARY ROOF DRAIN LOCATION<br>TEST PITS (SEE GEOTECHNICAL REPORT)<br>CLAY DYKES PER S8  |     | PEDESTRIAN CROSSING C/W TWSI<br>AND DEPRESSED CURB<br>PAD MOUNTED TRANSFORMER<br>LIGHT FIXTURE |
|   | HYDRANT G/W BOTTOM OF FLANGE ELEVATION<br>BARRIER CURB AS PER SC1.1<br>SIDEWALK CURB DEPRESSION AND TWSI<br>MOUNTABLE CURB AS PER SC1.3<br>PROPOSED CONCRETE SIDEWALK<br>PROPOSED HEAVY DUTY CONCRETE SIDEWALK<br>SANITARY SEWER & FLOW DIRECTION<br>STORM SEWER & FLOW DIRECTION<br>WATERMAIN                      | 105.30<br>TwV<br>103.50<br>BwV<br>↓↓↓↓↓↓<br>↓<br>↓<br>↓<br>↓↓↓↓↓↓<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓ | RETAINING WALL TOP OF RETAINING WALL PROPOSED BOTTOM OF RETAINING WALL TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE PRELIMINARY ROOF DRAIN LOCATION TEST PITS (SEE GEOTECHNICAL REPORT) CLAY DYKES PER S8 PROPOSED UNDERSIDE OF FOOTING ELEVATION  |     | PEDESTRIAN CROSSING C/W TWSI<br>AND DEPRESSED CURB<br>PAD MOUNTED TRANSFORMER<br>LIGHT FIXTURE |
|   | HYDRANT G/W BOTTOM OF FLANGE ELEVATION<br>BARRIER CURB AS PER SC1.1<br>SIDEWALK CURB DEPRESSION AND TWSI<br>MOUNTABLE CURB AS PER SC1.3<br>PROPOSED CONCRETE SIDEWALK<br>PROPOSED HEAVY DUTY CONCRETE SIDEWALK<br>SANITARY SEWER & FLOW DIRECTION<br>STORM SEWER & FLOW DIRECTION<br>WATERMAIN<br>WATERMAIN REDUCER | 105.30<br>TwV<br>103.50<br>BwV<br>↓↓↓↓↓↓<br>TP 13-301<br>↓<br>USF=92.394<br>TOF=94.731                         | RETAINING WALL<br>TOP OF RETAINING WALL<br>PROPOSED BOTTOM OF RETAINING WALL<br>TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE<br>PRELIMINARY ROOF DRAIN LOCATION<br>TEST PITS (SEE GEOTECHNICAL REPORT)<br>CLAY DYKES PER S8<br>PROPOSED UNDERSIDE OF FOOTING<br>ELEVATION<br>PROPOSED TOP OF FOUNDATION<br>ELEVATION |     | PEDESTRIAN CROSSING C/W TWSI<br>AND DEPRESSED CURB<br>PAD MOUNTED TRANSFORMER<br>LIGHT FIXTURE |

250mmØ SUBDRAIN

#### LEGEND:

PROJECT LIMIT

#### ENGINEER. ENGINEER TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION. 1.19 FILL MATERIAL WITHIN THE PARKING LOT AND BUILDING PAD AREAS, AND SUPPORT RUCTUR DENS SATISFACTION OF THE GEOTECHNICAL ENGINEER. 1.20 ALL COMPACTION METHODS TO BE PERFORMED TO THE SATISFACTION OF THE GEC TO INCLUDE BUT NOT BE LIMITED TO THE THICKNESS OF LIFTS, AND COMPACTION EQUIF 1.21 ALL DISTURBED BOULEVARDS TO BE REINSTATED WITH SOD ON 100mm TOPSOIL. 1.22 UTILITY DUCTS TO BE INSTALLED PRIOR TO ROAD BASE CONSTRUCTION.

#### 1.14 FOR GEOTECHNICAL REPORT SEE GEOTECHNICAL INVESTIGATION REPORT No. PG4 GROUP. 1.15 CONTRACTOR TO PROTECT EXISTING INFRASTRUCTURE AND PROPERTY SUCH AS TI METERS, SIDEWALKS, CURBS, ASPHALT, AND STREET SIGNS FROM DAMAGE DURING CON CONTRACTOR TO PAY THE COST TO REINSTATE OR REPLACE ANY DAMAGED INFRASTRU TO THE SATISFACTION OF THE CITY.

#### DETERMINED BY THE ENGINEER. 1.11 ALL CONCRETE CURBS AND SIDEWALKS TO CONFORM TO O.P.S. AND CONSTRUCTED ALL ONSITE CURBS TO BE BARRIER TYPE, WITH DEPRESSIONS AS NOTED.

### OTTAWA. SUCH ADDITIONAL MEASURES MAY INCLUDE BUT NOT BE LIMITED TO INSTALLA CAPTURE FILTER SOCKS WITHIN MANHOLES AND CATCHBASINS TO PREVENT SEDIMENT

## 1.8 REFER TO SITE PLAN BY ARCHITETCS HOBIN ARCHITECTURE INCORPORATED. 1.9 CONTRACTOR TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES AS IDEN EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ET PHASES OF THE SITE PREPARATION AND CONSTRUCTION THE MEASURES ARE TO BE MAIL SATISFACTION OF THE ENGINEER AND CITY OF OTTAWA IN ACCORDANCE WITH THE BEST PRACTICES FOR EROSION AND SEDIMENT CONTROL. SHOULD ANY ADDITIONAL MEASURES ADDRESS FIEL OCUDING SHE'S CHALL BE INSTALLED AS DIRECTED BY THE ENGINEER

### 1.4 USE ONLY THE LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED "ISSUED F 1.5 ALL CONSTRUCTION SHALL COMPLY WITH CURRENT CITY OF OTTAWA STANDARDS A

|  | PAVEN<br>CAR ONI   | <u>/ENT STRUCTURE **</u><br>LY PARKING AREAS:  |  |   | CLIENT<br>CROWN POINTE Co-TENANCY   |
|--|--|--|--|---|---|
|  |  | 50mm WEAR COURSE - HL-3 OR SUPE<br>150mm BASE - OPSS GRANULARGRAN<br>300mm SUBBASE - OPSS GRANULAR "<br>SUBGRADE - IN SITU SOIL, OR OP<br>MATERIAL PLACED OVER IN SITU   | ERPAVE 12.5 ASPHALTIC CONCRETE<br>JULAR "A" CRUSHED STONE<br>'B" TYPE II<br>SS GRANULAR "B" TYPE I OR II<br>SOIL   |   | C/O<br>TAGGART REALTY MANAGEMENT<br>225 METCALFE STREET, OTTAWA, On<br>K2P 1P9  |
|  | HEAVY 1  | TRUCK PARKING AREAS AND ACCESS I   | LANES:   |   | COPYRIGHT   |
|  |  | 40mm WEAR COURSE - HL-3 OR SUPE<br>50mm BINDER COURSE - HL-8 OR SUF<br>150mm BASE COURSE - OPSS GRANU<br>400mm SUBBASE - OPSS GRANULAR "<br>SUBGRADE - IN SITU SOIL, OR OP<br>MATERIAL PLACED OVER IN SITU   | ERPAVE 12.5 ASPHALTIC CONCRETE<br>PERPAVE 19.0 ASPHALTIC CONCRETE<br>LAR "A" CRUSHED STONE<br>'B" TYPE II<br>'SS GRANULAR "B" TYPE I OR II<br>SOIL   | E   | This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by IBI Group is forbidden. Written dimensions shall have precedence over scaled dimensions on the job, and IBI Group shall be informed of any variations from the dimensions and conditions on the drawing. Shop drawings shall be submitted to IBI Group for general conformance before proceeding with fabrication.<br><b>IBI Group Professional Services (Canada) Inc.</b> is a member of the IBI Group of companies   |
|  |  | ** REFER TO GEOTECHNICAL REP(  | ORT BY PARERSON GROUP PG4655-  | .1  | ISSUES<br>No. DESCRIPTION DATE  |
|  |  |  |  |   | 1         ISSUED FOR SPA         2021-10-28           2         REVISED PER CITY COMMENTS         2022-02-03  |
| RAWING NOTES   |  | 2 0 STORM  |  |   | 3     ISSUED FOR TENDER     2022-03-01       4     REVISED PER CITY COMMENTS     2022-04-19       AND NEW SITE PLAN     2022-04-19  |
| CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.   |  | 3.1 ALL STORM SEWERS TO BE CSA CERTIFIED, BE   | ELL AND SPIGOT TYPE. ALL STORM SEWERS TO BE  | INSTALLED   | 5     ISSUED FOR CONSTRUCTION     2022-05-04  |
| DO NOT SCALE DRAWINGS.   | THE  | PER MANUFACTURER'S INSTRUCTIONS, ONLY FAC<br>BE : 375mmØ AND SMALLER - PVC DR 35<br>450mmØ AND LARGER - 100-D REINFORCED C   | CONCRETE. UNLESS NOTED OTHERWISE   | ERIALS TO   | 6 CP3-IB-C001 2022-05-16  |
| CHITECT OR DESIGN ENGINEER AS APPLICABLE.<br>USE ONLY THE LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR TEND  | DER".  | 3.2 ALL STORM MAINTENANCE HOLES TO BE SIZED<br>OTTAWA STANDARDS COMPLETE WITH BENCHING   | ) IN ACCORDANCE WITH THE PLANS AND AS PER C<br>3, RUNGS, AND FRAME AND COVER.  | ITY OF  |   |
| ALL CONSTRUCTION SHALL COMPLY WITH CURRENT CITY OF OTTAWA STANDARDS AND SPECI  | FICATIONS.   | 3.3 STORM MH COVERS TO BE OPEN TYPE, AS PEF<br>STD. S25. CONTRACTOR TO INSTALL FILTER FABR   | R CITY STANDARD S24.1, FRAMES TO BE PER CITY (<br>IC UNDER STORM MH COVER UNTIL SODDING IS CO  | OF OTTAWA<br>OMPLETE.   |   |
| THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFIFIC FOR LEGAL SURVEY INFORMATION REFER TO REGISTERED PLAN. FOR TOPOGRAPHICAL SURV  | ICATIONS.<br>/EY PLEASE  | 3.4 STORM CBMH COVERS TO BE OPEN TYPE, AS F<br>OTTAWA STD. S25.  | PER CITY STANDARD S28.1, FRAMES TO BE PER CIT  | TY OF   |   |
| FER TO SURVEY PREFORMED BY STANTEC GEOMATIC Ltd., DATED SEPTEMBER 27th, 2018. VERT<br>IS DERIVED FROM THE CAN-NET VRS NETWORK MONUMENT: OTTAWA, ELEVATION 95.230<br>REFER TO SITE PLAN BY ARCHITETCS HOBIN ARCHITECTURE INCORPORATED.  | FICAL DATUM  | <ul> <li>3.5 STORM MAINTENANCE HOLES TO BE OPSD, SIZ</li> <li>3.6 ALL CATCH BASINS TO BE AS PER OPSD 705.01</li> <li>\$19.1.</li> </ul>  | ZE AS SPECIFIED, TAPER TOP.  | TAWA STD.   | SEE 010 FOR NOTES, LEGEND, CB TABLE, STREET<br>SECTIONS AND DETAILS   |
| CONTRACTOR TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES AS IDENTIFIED IN<br>ROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA, PRIOR  | N THE<br>TO  | 3.7 3m 150mm DIAMETER SOCK-WRAPPED PERFO<br>EXTEND PARALLEL TO CURB IN CBS ADJACENT TO   | RATED PVC SUBDRAINS TO BE INSTALLED ALL CB'S<br>O CURB AND IN 4 DIRECTIONS FOR CBS IN CENTER   | S. TO<br>OF   | KET PLAN  |
| IDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.). DUR<br>IASES OF THE SITE PREPARATION AND CONSTRUCTION THE MEASURES ARE TO BE MAINTAINED<br>TISFACTION OF THE ENGINEER AND CITY OF OTTAWA IN ACCORDANCE WITH THE BEST MANAG<br>SACTICES FOR EROSION AND SEDIMENT CONTROL SHOLL PARK ADDITIONAL MERCIPEO SECTOR   | D TO THE<br>EMENT  | PARKING LU I. SUBDRAINS TO DISCHARGE TO CB'S<br>3.8 ANY STORM SEWER WITH LESS THAN 2.0m CO'<br>OTTAWA STANDARD W22, OR AS ASSAULTE SUFE  | 3.<br>VER REQUIRES THERMAL INSULATION AS PER CITY<br>HE ENGINEER   | / OF  | SITE  |
| JORESS FIELD CONDITIONS THEY SHALL BE INSTALLED AS INDICED BY THE ENGINEER OR THE<br>TAWA. SUCH ADDITIONS THEY SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER OR THE<br>TAWA. SUCH ADDITIONAL MEASURES MAY INCLUDE BUT NOT BE LIMITED TO INSTALLATION OF<br>APTURE FILTER SOCKS WITHIN MANHOLES AND CATCHRASINS TO PREVENT SEDIMENT EDOM   | E CITY OF<br>SEDIMENT<br>NTERING THE   | 3.9 CONNECTION TO THE EXISTING STORM SEWEF   | R TO BE INCLUDED IN THE COST FOR STORM SEWE  | ER  |   |
| RUCTURE AND INSTALLATION AND MAINTENANCE OF A LIGHT DUTY SILT FENCE BARRIER AS RE  | EQUIRED.   | 3.10 CONTRACTOR TO PROVIDE IPEX-TEMPEST MI<br>REVIEW PRIOR TO ORDERING ICD'S   | HF ICD'S SHOP DRAWINGS, OR EQUIVALENT, FOR E   | ENGINEERS   |   |
| TERMINED BY THE ENGINEER.         1 ALL CONCRETE CURBS AND SIDEWALKS TO CONFORM TO O.P.S. AND CONSTRUCTED TO CITY  | Y STANDARDS.   | <u>4.0 WATER</u>   |  |   |   |
| L ONSITE CURBS TO BE BARRIER TYPE, WITH DEPRESSIONS AS NOTED.<br>2 ALL CONCRETE SHALL BE "NORMAL PORTLAND CEMENT" IN ACCORDANCE WITH O.P.S.S. 1350   | ) AND SHALL  | 4.1 ALL WATERMAINS TO BE PVC DR 18, WITH MINI<br>STANDARDS. ALL DOMESTIC WATER SERVICES AF   | IMUM COVER OF 2.4m AND INSTALLED PER CITY OF<br>RE TO BE 200mmØ, UNLESS NOTES OTHERWISE.   | OTTAWA  | CONSULTANTS   |
| HIEVE A MINIMUM STRENGTH OF 30MPa AT 28 DAYS.<br>3 ALL CONSTRUCTION TRAFFIC TO ACCESS SITE FROM TRIM ROAD.   |  | 4.2 THRUST BLOCKS TO BE INSTALLED AT ALL BEN<br>4.3 CONTRACTOR TO CONDUCT PRESSURE AND L   | NDS, TEES, AND CAPS ALL AS PER OPSD 1103.01 AN   | ND 1103.02.<br>FECT AND   |   |
| 4 FOR GEOTECHNICAL REPORT SEE GEOTECHNICAL INVESTIGATION REPORT No. PG4655-1 BY OUP.   | PATERSON   | CHLORINATE ALL WATERMAINS TO THE SATISFAC<br>4.4 TRACER WIRE TO BE INSTALLED ALONG THE F   | TION OF M.O.E. AND THE CITY OF OTTAWA.   | ACH MAIN  |   |
| 5 CONTRACTOR TO PROTECT EXISTING INFRASTRUCTURE AND PROPERTY SUCH AS TREES, PA<br>TERS, SIDEWALKS, CURBS, ASPHALT, AND STREET SIGNS FROM DAMAGE DURING CONSTRUCT<br>NTRACTOR TO PAY THE COST TO REINSTATE OR REPLACE ANY DAMAGED INFRASTRUCTURE (  | ARKING<br>TION.<br>OR PROPERTY   | STOP AS PER CITY OF OTTAWA STANDARDS.<br>4.5 ALL COMPONENTS OF THE WATER DISTRIBUTI  | ON SYSTEM SHALL BE CATHODICALLY PROTECTED  | D AS PER  |   |
| THE SATISFACTION OF THE CITY.  | D AND  | CITY OF OTTAWA STANDARDS.<br>4.6 ALL VALVES & VALVE BOXES AND CHAMBERS,  | HYDRANTS, AND HYDRANT VALVES AND ASSEMBL   | IES SHALL   |   |
| OVEGROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT<br>D WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS I<br>ARANTEED. BEFORE STARTING WORK THE CONTRACTOR SHALL INFORM ITSELF OF THE EXAC   | DRAWINGS,<br>NOT<br>T LOCATION   | 4.7 ANY WATERMAIN WITH LESS THAN 2.4m COVEF  | .DS.<br>R REQUIRES THERMAL INSULATION AS PER CITY OF   | F OTTAWA  |   |
| ALL SUCH UTILITIES AND STRUCTURES, SHALL PROTECT ALL UTILITIES AND STRUCTURES, AND SUME ALL LIABILITY FOR DAMAGE TO THEM.  | ) SHALL  | 4.8 CONTRACTOR IS RESPONSIBLE FOR ACQUIRIN   | EER.<br>NG THE WATER PERMIT FROM THE CITY OF OTTAW/<br>RING THE WATER PERMIT, OWNER IS RESPONSIBLE   | A AND   |   |
| 7 CONTRACTOR TO SUPPLY SUITABLE FILL MATERIAL WHERE REQUIRED TO ROUGH GRADE THE<br>PORTED FILL MATERIAL TO BE CERTIFIED AS ACCEPTABLE BY THE GEOTECHNICAL ENGINEER.  | E SITE. ALL  | REIMBURSING THE CONTRACTOR FOR THE ACTUA<br>4.9 CONNECTION TO EXISTING WATERMAIN TO BE   | AL COST OF ACQUIRING THE WATER PERMIT.   | TALLATION.  |   |
| 8 CONTRACTOR TO HADL EXCESS MATERIAL OFFSTTE AS NECESSARY TO GRADE STIE TO MEET<br>(OPOSED GRADES, ALL EXCESS MATERIAL TO BE HAULED OFFSTTE AND DISPOSED OF AT AN AP<br>JMP SITE, SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS<br>JGINEER, ENGINEER TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION  | PROVED<br>TO NOTIFY  | THIS COST INCLUDES REINSTATEMENT OF ROAD (<br>4.10 ALL WATERMAIN CROSSINGS TO BE COMPLE  | CUTS TO CITY STANDARDS.<br>TED AS PER CITY OF OTTAWA STANDARDS W25 AN  | D W25.2   |   |
| 9 FILL MATERIAL WITHIN THE PARKING LOT AND BUILDING PAD AREAS, AND SUPPORTING BUILD<br>UNDATIONS SHALL BE COMPACTED TO 98% STANDARD MODIFIED PROCTOR DENSITY AND TO 1  | )ing<br>The  | 5.0 PARKING LOT AND WORK IN F  | PUBLIC RIGHTS OF WAY   |   |   |
| TISFACTION OF THE GEOTECHNICAL ENGINEER.<br>20 ALL COMPACTION METHODS TO BE PERFORMED TO THE SATISFACTION OF THE GEOTECHNIC  | CAL ENGINEER   | 5.1 CONTRACTOR TO REINSTATE ROAD CUTS PER  | CITY OF OTTAWA STANDARD R-10.  |   |   |
| ) INCLUDE BUT NOT BE LIMITED TO THE THICKNESS OF LIFTS, AND COMPACTION EQUIPMENT US<br>21 ALL DISTURBED BOULEVARDS TO BE REINSTATED WITH SOD ON 100mm TOPSOIL.   | 3ED.   | 5.2 THE CONTRACTOR SHALL PREPARE A TRAFFIC<br>CITY OF OTTAWA. CONTRACTOR TO MAINTAIN TR/<br>MAINTENANCE OF ROAD CUTS SHALL BE THE RES  | CONTRACTION OF THE CONTRACTOR OF THE CONSTRUCTION IN THE ENTIRE CONSTRUCTION IN SPONSIBILITY OF THE CONTRACTOR. PROVISION OF CONTRACTOR.   | L BY THE<br>PERIOD.<br>F FLAGMEN,   |   |
| 2 UTILITY DUCTS TO BE INSTALLED PRIOR TO ROAD BASE CONSTRUCTION.   |  | DETOURS AS NECESSARY, BARRICADES AND SIGN<br>AUTHORITY SHALL BE THE CONTRACTOR'S RESPO   | VS TO THE FULL SATISFACTION OF THE ENGINEER A<br>ONSIBILITY.   | AND ROAD  |   |
| 3 CLAY DIKES TO BE INSTALLED WHERE INDICATED ON THE DRAWINGS OR AS APPROVED AND I<br>IE GEOTECHNICAL ENGINEER ALL IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS AND SP   | DIRECTED BY<br>ECIFICATIONS.   | 5.3 CONTRACTOR TO PREPARE SUBGRADE, INCLU<br>GEOTECHNICAL ENGINEER PRIOR TO THE COMME  | JDING PROOFROLLING, TO THE SATISFACTION OF<br>ENCEMENT OF PLACEMENT OF GRANULAR B MATER  | THE<br>RIAL.  | SEAL  |
| 4 BACKWATER VALES, PER CITY STANDARDS S14, S14.1 AND S14.2 RE TO BE INSTALLED FOR AL<br>NITARY SERVICE CONNECTIONS.  | L STORM AND  | 5.5 CONTRACTOR TO SUPPLY, PLACE AND COMPA  | CONTRACTOR TO PROVIDE ENGINEER WITH  | I THE   | THE BUNE  |
| <u>O SANITARY</u>  |  | OF GRANULAR B MATERIAL FOR TESTING AND CEP<br>MATERIAL MEETS THE GRADATION REQUIREMENT   | RTIFICATION FROM THE GEOTECHNICAL ENGINEER<br>IS SPECIFIED IN THE GEOTECHNICAL REPORT.   | R THAT THE  | T. R. BRULE   |
| ALL SANITARY SEWER MAINS TO BE CSA CERTIFIED, BELL AND SPIGOT TYPE. ONLY FACTORY F<br>USED. SEWER TO BE INSTALLED AS PER OSPD 1005.01. SANITARY SEWER MATERIALS TO BE:<br>250mmØ AND SMALLER - PVC DR 35   | -ITTINGS TO  | 5.6 GRANULAR A MATERIAL TO BE PLACED ONLY U GRANULAR B PLACEMENT.  | JPON APPROVAL BY THE GEOTECHNICAL ENGINEED   | ROF   | 2022-05-16  |
|  | RDS<br>EDED.   | 5.7 ASPHALT MATERIAL TO BE PLACED ONLY UPON<br>GRANULAR A PLACEMENT.   | N APPROVAL BY THE GEOTECHNICAL ENGINEER OF   | F   | ACE OF ONTAT  |
| 2 ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDAF<br>MPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE NEI  |  | 5.8 CONTRACTOR TO SLIPPLY DI ACE AND COMPA   |  |   |   |
| 2 ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDAI<br>OMPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE NE<br>3 SANITARY MANHOLE COVERS TO BE CITY OF OTTAWA STD. S25 (MOD. OPSD. 401.020). SANITAF<br>OVER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD S24.  | RY MANHOLE   | RECOMMENDATIONS OF THE GEOTECHNICAL ENC<br>OF ASPHALT MATERIAL FOR TESTING AND CERTIF  | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE<br>SINEER. CONTRACTOR TO PROVIDE ENGINEER WITH<br>ICATION FROM THE GEOTECHNICAL ENGINEER THAT  | E<br>'H SAMPLES<br>AT THE   |   |
| 2 ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDAI<br>2MPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE NE<br>3 SANITARY MANHOLE COVERS TO BE CITY OF OTTAWA STD. S25 (MOD. OPSD. 401.020). SANITAI<br>3 VER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD S24.<br>4 SANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY<br>4 COLFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.   | RY MANHOLE   | RECOMMENDATIONS OF THE GEOTECHNICAL ENC<br>OF ASPHALT MATERIAL FOR TESTING AND CERTIF<br>MATERIAL MEETS THE REQUIREMENTS SPECIFIED<br>5.9 CONTRACTOR IS RESPONSIBLE FOR ESTABLISI<br>AND FOR PROVIDING THE ENGINEER WITH VERIFIC   | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE<br>SINEER. CONTRACTOR TO PROVIDE ENGINEER WIT<br>FICATION FROM THE GEOTECHNICAL ENGINEER TH,<br>) IN THE GEOTECHNICAL REPORT.<br>HING LINE AND GRADE IN ACCORDANCE WITH THE<br>CATION PRIOR TO PLACEMENT   | E<br>H SAMPLES<br>AT THE<br>PLANS,  |   |
| 2 ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDAI<br>2 MPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE NE<br>3 SANITARY MANHOLE COVERS TO BE CITY OF OTTAWA STD. S25 (MOD. OPSD. 401.020). SANITAI<br>3 VER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD S24.<br>4 SANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY<br>4 SCIFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.<br>5 ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER<br>TAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.<br>5 CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY  | RY MANHOLE   | 5.10 PAVEMENT STRUCTURE (MATERIAL TYPES AN<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL ENC.  | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE<br>SINEER. CONTRACTOR TO PROVIDE ENGINEER WIT<br>FICATION FROM THE GEOTECHNICAL ENGINEER TH,<br>D IN THE GEOTECHNICAL REPORT.<br>SHING LINE AND GRADE IN ACCORDANCE WITH THE<br>CATION PRIOR TO PLACEMENT.<br>ND THICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DRT AND SHOWN ON THE PLANS.   | E<br>H SAMPLES<br>AT THE<br>FPLANS,<br>JTY AREAS  |   |
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| LL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDAI<br>IPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE NE<br>ANITARY MANHOLE COVERS TO BE CITY OF OTTAWA STD. S25 (MOD. OPSD. 401.020). SANITA<br>ER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD S24.<br>ANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY<br>CIFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.<br>INY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PEF<br>AWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.<br>CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAF<br>ALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARDS.<br>STANTE<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER<br>INTER | RY MANHOLE<br>R CITY OF<br>RY SEWER<br><u>EC GEOMA1</u><br><u>SC GEOMA1</u><br>N AN<br>H BO<br>OL BO<br>B CA<br>CB DO<br>ICB DIT<br>BMH CB<br>CBMH DO<br>BS/ SIE<br>SV VAI<br>RW DR<br>POST ELE<br>P FLA<br>L<br>C GA<br>P PO<br>V GA<br>LS LIG  | SUBCOMMENDATIONS OF THE GEOTECHNICAL ENC<br>RECOMMENDATIONS OF THE GEOTECHNICAL ENC<br>OF ASPHALT MATERIAL FOR TESTING AND CERTIF<br>MATERIAL MEETS THE REQUIREMENTS SPECIFIEE<br>5.9 CONTRACTOR IS RESPONSIBLE FOR ESTABLIS<br>AND FOR PROVIDING THE ENGINEER WITH VERIFI<br>5.10 PAVEMENT STRUCTURE (MATERIAL TYPES AN<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL REPC<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL REPC<br>CHOR<br>REHOLE<br>LLARD<br>TCH BASIN<br>'UBLE CB<br>'CH CB<br>MANHOLE<br>UBLE CB MANHOLE<br>DE INLET CB<br>LVE CURB STOP<br>AIN<br>ECTRICAL OUTLET<br>AG POLE<br>DOD LIGHT<br>RBAGE CAN<br>LE GUYWIRE<br>S VALVE<br>'HT STANDARD HYDRO<br>DO DIGHT   | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE         GINEER. CONTRACTOR TO PROVIDE ENGINEER WIT         FICATION FROM THE GEOTECHNICAL ENGINEER TH         D IN THE GEOTECHNICAL REPORT.         SHING LINE AND GRADE IN ACCORDANCE WITH THE         ICATION PRIOR TO PLACEMENT.         ND THICKNESSES) FOR HEAVY DUTY AND LIGHT DU         DIN THE GEOTECHNICAL REPORT.         ND THICKNESSES) FOR HEAVY DUTY AND LIGHT DU         ORT AND SHOWN ON THE PLANS.         IMB       MARKER BELL UN         Image: UMB       MARKER CABLE UN         Image: UMB       MARKER GAS UN         Image: UMC       MARKER GAS UN         Image: UMG       MARKER OIL UNE         Image: UMG       MARKER GAS UN         Image: UMG       MARKER GAS UN         Image: UMG       MARKER OIL UNE         Image: UMG       MARKER GAS UN         Image: UMG       MARKER OIL UNE         Image: UMG       TREE ONI  | E<br>H SAMPLES<br>AT THE<br>PLANS,<br>JTY AREAS<br>NDERGROUND<br>UNDERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>CERGROUND<br>S<br>LITY WIRES<br>D HYDRO<br>D BELL  | IBI GROUP         Suite 400 - 333 Preston Street         Ottawa ON K1S 5N4 Canada         tel 613 225 1311 / 613 241 3300 fax 613 225 9868         ibigroup.com         PROJECT         CROWN POINTE         900 WATTERS ROAD         CROWN POINTE COMMERCIAL         DLIASE 2  |
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| ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDAI<br>MPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE NE<br>SANITARY MAINHOLE COVERS TO BE CITY OF OTTAWA STD. S25 (MOD. OPSD. 401.020). SANITA<br>VER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD S24.<br>SANITARY SEWER LEAKAGE TEST AND COTV INSPECTION SHALL BE COMPLETED AS PER CITY<br>ECIFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.<br>ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PEF<br>TAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.<br>CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAF<br>TALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARDS.<br>STANTER<br>RN METER<br>RN REMOTE METER<br>PRV PRESSURE REDUCING VALVE<br>WATERMAIN IDENTIFICATION<br>PIPE CROSSING IDENTIFICATION<br>CONCRETED PAD<br>INLET CONTROL DEVICE LOCATION<br>PROTECTIVE BOLLARD<br>HEAVY DUTY ASPHALT / FIRE ROUTE<br>HEAVY DUTY ASPHALT / FIRE ROUTE  | RY MANHOLE<br>R CITY OF<br>RY SEWER<br>EC GEOMAT<br>M AN<br>H BO<br>V/CB DO<br>V/CB DO<br>V/CB DO<br>V/CB DO<br>V/CB DIT<br>BMH CB<br>CBMH DO<br>BS/ SIE<br>SV VAI<br>R/V DR<br>POST ELE<br>P FL/<br>' FLC<br>C GA<br>P PO<br>V GA<br>LS LIG<br>M HYI<br>TV HYI<br>W HAI<br>YD FIR<br>3X JUN   | SUBCOMMENDATIONS OF THE GEOTECHNICAL ENC<br>RECOMMENDATIONS OF THE GEOTECHNICAL ENC<br>OF ASPHALT MATERIAL FOR TESTING AND CERTIF<br>MATERIAL MEETS THE REQUIREMENTS SPECIFIEE<br>5.9 CONTRACTOR IS RESPONSIBLE FOR ESTABLIS<br>AND FOR PROVIDING THE ENGINEER WITH VERIFI<br>5.10 PAVEMENT STRUCTURE (MATERIAL TYPES AN<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL REPC<br>TICS LTD. LEGEND<br>CHOR<br>REHOLE<br>LLARD<br>TCH BASIN<br>UBLE CB<br>CH CB<br>MANHOLE<br>UBLE CB MANHOLE<br>DE INLET CB<br>LVE CURB STOP<br>AIN<br>ECTRICAL OUTLET<br>AG POLE<br>DOD LIGHT<br>RBAGE CAN<br>LE GUYWIRE<br>S VALVE<br>HT STANDARD HYDRO<br>DRO METER<br>DRO TRANSFORMER<br>ND WELL<br>E HYDRANT<br>VCTION BOX   | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE<br>GINEER. CONTRACTOR TO PROVIDE ENGINEER WIT<br>FICATION FROM THE GEOTECHNICAL ENGINEER WIT<br>FICATION FROM THE GEOTECHNICAL ENGINEER TH<br>D IN THE GEOTECHNICAL REPORT.         SHING LINE AND GRADE IN ACCORDANCE WITH THE<br>ICATION PRIOR TO PLACEMENT.         ND THICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DRT AND SHOWN ON THE PLANS.         Image: Construct of the state  | E<br>H SAMPLES<br>AT THE<br>PLANS,<br>JTY AREAS<br>JTY AREAS<br>NDERGROUND<br>JDERGROUND<br>JDERGROUND<br>DERGROUND<br>DERGROUND<br>S<br>LITY WIRES<br>D HYDRO<br>D BELL<br>ER  | IBI GROUP         Suite 400 – 333 Preston Street         Ottawa ON K1S 5N4 Canada         tel 613 225 1311 / 613 241 3300 fax 613 225 9868         ibigroup.com         PROJECT         CROWN POINTE         900 WATTERS ROAD         CROWN POINTE COMMERCIAL         PHASE 3   |
| ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDAI<br>MPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE NE<br>SANITARY MAINHOLE COVERS TO BE CITY OF OTTAWA STD. S25 (MOD. OPSD. 401.020). SANITA<br>VER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD S24.<br>SANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY<br>ECIFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.<br>ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PEF<br>TAWA STANDARD W22. OR AS APPROVED BY THE ENGINEER.<br>CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAFY<br>STANTER<br>CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAFY<br>STANTER<br>RW REMOTE METER<br>PRV PRESSURE REDUCING VALVE<br>WATERMAIN IDENTIFICATION<br>PIPE CROSSING IDENTIFICATION<br>PIPE CROSSING IDENTIFICATION<br>PROTECTIVE BOLLARD<br>HEAVY DUTY ASPHALT / FIRE ROUTE<br>HEAVY DUTY ASPHALT / FIRE ROUTE<br>PEDESTRIAN CROSSING C/W TWSI<br>AND DEPRESSED CURB   | RY MANHOLE<br>R CITY OF<br>RY SEWER<br>EC GEOMAT<br>M AN<br>H BO<br>COL BO | SUSCOMMENDATIONS OF THE GEOTECHNICAL ENC<br>RECOMMENDATIONS OF THE GEOTECHNICAL ENC<br>OF ASPHALT MATERIAL FOR TESTING AND CERTIF<br>MATERIAL MEETS THE REQUIREMENTS SPECIFIEE<br>5.9 CONTRACTOR IS RESPONSIBLE FOR ESTABLIS<br>AND FOR PROVIDING THE ENGINEER WITH VERIFI<br>5.10 PAVEMENT STRUCTURE (MATERIAL TYPES AN<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL REPC<br>TICS LTD. LEGEND<br>CHOR<br>"REHOLE<br>LLARD<br>TCH BASIN<br>UBLE CB<br>"CH CB<br>MANHOLE<br>UBLE CB MANHOLE<br>>E INLET CB<br>LVE CURB STOP<br>AIN<br>ECTRICAL OUTLET<br>AG POLE<br>DOD LIGHT<br>RBAGE CAN<br>LE GUYWIRE<br>S VALVE<br>"HT STANDARD HYDRO<br>DRO METER<br>DRO TRANSFORMER<br>ND WELL<br>E HYDRANT<br>VCTION BOX<br>ILBOX<br>INTENANCE HOLE UNIDENTIFIED<br>INTENANCE HOLE BELL   | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE         GINEER. CONTRACTOR TO PROVIDE ENGINEER WIT         FICATION FROM THE GEOTECHNICAL ENGINEER TH         D IN THE GEOTECHNICAL REPORT.         SHING LINE AND GRADE IN ACCORDANCE WITH THE         ICATION PRIOR TO PLACEMENT.         ND THICKNESSES) FOR HEAVY DUTY AND LIGHT DU         ORT AND SHOWN ON THE PLANS.         Image: Control of the plane of the   | E<br>H SAMPLES<br>AT THE<br>PLANS,<br>ITY AREAS<br>ITY AREAS<br>NDERGROUND<br>IDERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>S<br>LITY WIRES<br>D HYDRO<br>D BELL<br>ER   | IBI GROUP         Suite 400 - 333 Preston Street         Ottawa ON K1S 5N4 Canada         tel 613 225 1311 / 613 241 3300 fax 613 225 9868         ibigroup.com         PROJECT         CROWN POINTE         900 WATTERS ROAD         CROWN POINTE COMMERCIAL         PHASE 3         PROJECT NO:         136063         DRAWN BY:         CHECKED BY:  |
| ALL SANITARY MAINTENANCE HOLES TO BE 12m DIAMETER AS PER CITY OF OTTAWA STANDAM<br>MPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE NE<br>SANITARY MANHOLE COVERS TO BE CITY OF OTTAWA STAL S25 (MOD. OPSD. 401.020). SANITA<br>VER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD S24.<br>SANITARY SEWER LEAKAGE TEST AND COTV INSPECTION SHALL BE COMPLETED AS PER CITY<br>ECIFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.<br>ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PEF<br>TAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.<br>CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAF<br>TALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARDS.<br>STANTER<br>PRV PRESSURE REDUCING VALVE<br>WATERMAIN IDENTIFICATION<br>PIPE CROSSING IDENTIFICATION<br>CONCRETED PAD<br>INLET CONTROL DEVICE LOCATION<br>PROTECTIVE BOLLARD<br>HEAVY DUTY ASPHALT / FIRE ROUTE<br>PRU PRESSURE REDUCING C/W TWSI<br>AND DEPRESSED CURB<br>CONCRETED TRANSCOMMENT<br>PROTECTIVE BOLLARD<br>DAD MOUNTED TRANSCOMMENT<br>PAD MOUNTED TRANSCOMMENT<br>CONCINCTION TO THE AND CONTROL DEVICE LOCATION<br>DAD MOUNTED TRANSCOMMENT<br>CONCINCTION TO THE AND CONTROL DEVICE LOCATION<br>MATERNAL AND DEPRESSED CURB   | RY MANHOLE<br>R CITY OF<br>RY SEWER<br>EC GEOMAI<br>M AN<br>H BO<br>OL BO<br>B CA<br>CB DC<br>CB DC<br>CB DIT<br>BMH CB<br>CBMH DO<br>BS/ SIE<br>SV VAI<br>RW DR<br>POST ELI<br>POST ELI<br>POST ELI<br>C GA<br>P PO<br>V GA<br>LS LIG<br>M HYI<br>TN HYI<br>W HAI<br>YD FIR<br>3X JUN<br>B MA<br>HEELL MA<br>HF MA<br>HH MA   | SUSCOMMENDATIONS OF THE GEOTECHNICAL ENC<br>OF ASPHALT MATERIAL FOR TESTING AND CERTIF<br>MATERIAL MEETS THE REQUIREMENTS SPECIFIEE<br>5.9 CONTRACTOR IS RESPONSIBLE FOR ESTABLIS<br>AND FOR PROVIDING THE ENGINEER WITH VERIFI<br>5.10 PAVEMENT STRUCTURE (MATERIAL TYPES AN<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL REPO<br>CHOR<br>REHOLE<br>LLARD<br>TCH BASIN<br>PUBLE CB<br>CH CB<br>MANHOLE<br>UBLE CB MANHOLE<br>DE INLET CB<br>LVE CURB STOP<br>AIN<br>ECTRICAL OUTLET<br>AG POLE<br>DOD LIGHT<br>RBAGE CAN<br>LE GUYWIRE<br>S VALVE<br>HT STANDARD HYDRO<br>DRO METER<br>DRO TRANSFORMER<br>ND WELL<br>E HYDRANT<br>VCTION BOX<br>ILBOX<br>INTENANCE HOLE UNIDENTIFIED<br>INTENANCE HOLE FIBRE OPTIC<br>INTENANCE HOLE FIBRE OPTIC   | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE         GINEER. CONTRACTOR TO PROVIDE ENGINEER WIT         FICATION FROM THE GEOTECHNICAL ENGINEER TH         D IN THE GEOTECHNICAL REPORT.         SHING LINE AND GRADE IN ACCORDANCE WITH THE         INTHE GEOTECHNICAL REPORT.         ND THICKNESSES) FOR HEAVY DUTY AND LIGHT DU         ORT AND SHOWN ON THE PLANS.         IMB       MARKER BELL UN         Image: UMB       MARKER CABLE I         Image: UMC       MARKER GAS UN         Image: UMC       MARKER OIL UNE         Image: UMC       MARKER GAS UN         Image: UMC       MARKER GAS UN         Image: UMC       MARKER OIL UNE         Image: UMC       MARKER OIL UNE         Image: UMC       MARKER CABLE I         Image: UMC       MARKER CALVE BOX         Image: UKC <td< td=""><td>E<br/>H SAMPLES<br/>AT THE<br/>PLANS,<br/>ITY AREAS<br/>NDERGROUND<br/>UNDERGROUND<br/>IDERGROUND<br/>DERGROUND<br/>DERGROUND<br/>DERGROUND<br/>S<br/>LITY WIRES<br/>D HYDRO<br/>D BELL<br/>ER</td><td>IBI GROUP         Suite 400 - 333 Preston Street         Ottawa ON K1S 5N4 Canada         tel 613 225 1311/613 241 3300 fax 613 225 9868         ibigroup.com         PROJECT         CROWN POINTE         900 WATTERS ROAD         CROWN POINTE COMMERCIAL         PHASE 3         PROJECT NO:         1360633         DRAWN BY:       CHECKED BY:         J.B.         PROJECT MGR:       APPROVED BY:</td></td<>   | E<br>H SAMPLES<br>AT THE<br>PLANS,<br>ITY AREAS<br>NDERGROUND<br>UNDERGROUND<br>IDERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>S<br>LITY WIRES<br>D HYDRO<br>D BELL<br>ER   | IBI GROUP         Suite 400 - 333 Preston Street         Ottawa ON K1S 5N4 Canada         tel 613 225 1311/613 241 3300 fax 613 225 9868         ibigroup.com         PROJECT         CROWN POINTE         900 WATTERS ROAD         CROWN POINTE COMMERCIAL         PHASE 3         PROJECT NO:         1360633         DRAWN BY:       CHECKED BY:         J.B.         PROJECT MGR:       APPROVED BY:  |
| ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDAI<br>MPLETE WITH BENCHING, RUNCS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE NE<br>ISANITARY MANHOLE COVERS TO BE CITY OF OTTAWA STD. 525 (MOD. OPSD. 401.020). SANITA<br>VER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD 524.<br>ISANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY<br>ECIFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.<br>INSUMATRY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PEF<br>TAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.<br>ICONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAF<br>STALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARD<br>ICONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAF<br>STALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARD.<br>ICONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAF<br>STALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARD.<br>ICONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAF<br>INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARD.<br>ICONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAF<br>INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARD.<br>ICONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAF<br>INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARD INTO<br>INCLUDES CONNECTION (IF REQUIRED)<br>INCLUDES CONCRETED PAD<br>INLET CONTROL DEVICE LOCATION<br>INCLUDES AND DEPRESSED CURB<br>INLET CONTROL DEVICE LOCATION<br>INTO PROTECTIVE BOLLARD<br>INLET CONTROL DEVICE LOCATION<br>INTO AND DEPRESSED CURB<br>INTO AND  | RY MANHOLE RY SEWER  C GEOMA1  RY SEWER  C GEOMA1  RY BO  C GE  C GEOMA1  RY BO  C GE  C GEOMA1  C B  C B  C B  C B  C B  C B  C B  C  | SUSCOMMENDATIONS OF THE GEOTECHNICAL ENC<br>OF ASPHALT MATERIAL FOR TESTING AND CERTIF<br>MATERIAL MEETS THE REQUIREMENTS SPECIFIEE<br>5.9 CONTRACTOR IS RESPONSIBLE FOR ESTABLIS<br>AND FOR PROVIDING THE ENGINEER WITH VERIFI<br>5.10 PAVEMENT STRUCTURE (MATERIAL TYPES AN<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL REPO<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL REPO<br>TCH BASIN<br>UBLE CB<br>CHOR<br>REHOLE<br>LLARD<br>TCH BASIN<br>UBLE CB<br>CH CB<br>MANHOLE<br>UBLE CB MANHOLE<br>DE INLET CB<br>LVE CURB STOP<br>AIN<br>ECTRICAL OUTLET<br>AG POLE<br>DOD LIGHT<br>RBAGE CAN<br>LE GUYWIRE<br>S VALVE<br>SHT STANDARD HYDRO<br>DRO METER<br>DRO TRANSFORMER<br>ND WELL<br>E HYDRANT<br>ICTION BOX<br>ILBOX<br>INTENANCE HOLE UNIDENTIFIED<br>INTENANCE HOLE FIBRE OPTIC<br>INTENANCE HOLE INVERT<br>INTENANCE HOLE INVERT<br>INTENANCE HOLE INVERT<br>INTENANCE HOLE STORM   | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE<br>GINEER. CONTRACTOR TO PROVIDE ENGINEER WIT<br>FICATION FROM THE GEOTECHNICAL ENGINEER TH<br>D IN THE GEOTECHNICAL REPORT.<br>SHING LINE AND GRADE IN ACCORDANCE WITH THE<br>ICATION PRIOR TO PLACEMENT.<br>ND THICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DRT AND SHOWN ON THE PLANS.   | E H SAMPLES<br>AT THE<br>PLANS,<br>ITY AREAS<br>NDERGROUND<br>UNDERGROUND<br>IDERGROUND<br>DERGROUND<br>DERGROUND<br>S<br>LITY WIRES<br>D HYDRO<br>D BELL<br>ER   | VE OF OF         VE OF OF         IBI GROUP         Suite 400 – 333 Preston Street         Ottawa ON K1S 5N4 Canada       Ottawa ON K1S 5N4 Canada         IEI GROUP ON K1S 5N4 Canada         IEI GROUP Suite 400 – 333 Preston Street         Ottawa ON K1S 5N4 Canada       IEI 613 225 1311/613 241 3300 fax 613 225 9868         IBI GROUP         PROJECT         CROWN POINTE         OMEECT NO:         136063         DRAWN BY:         D. IB.         PROJECT MGR:       APPROVED BY:         T.R.B.  |
| ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDAI<br>MPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE NE<br>SANITARY MANHOLE COVERS TO BE CITY OF OTTAWA STD. 525 (MOD. OPSD. 401.020). SANITA<br>VER TO BE CLOSED COVER TYPE, AS PER CITY STANDADS 24.<br>SANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY<br>ECIFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.<br>ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PEF<br>TAWA STANDARD W22, OR AS APPROVED BY THE ENGINEES.<br>CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAFY<br>STANDARD W22, OR AS APPROVED BY THE ENGINEER.<br>CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAFY<br>STANTARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PEF<br>TAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.<br>CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITAFY<br>STANTER<br>REMOTE METER<br>PRV PRESSURE REDUCING VALVE<br>WATERMAIN IDENTIFICATION<br>PIPE CROSSING IDENTIFICATION<br>PIPE CROSSING IDENTIFICATION<br>PROTECTIVE BOLLARD<br>HEAVY DUTY ASPHALT / FIRE ROUTE<br>HEAVY DUTY ASPHALT / FIRE ROUTE<br>PEDESTRIAN CROSSING C/W TWSI<br>AND DEPRESSED CURB<br>MUMINED TRANSFORMER<br>LIGHT FIXTURE<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>MARKED<br>M   | RY MANHOLE RY SEWER EC GEOMAT  C GEOMAT  AN AN C AN C BO  | SUBCOMMENDATIONS OF THE GEOTECHNICAL ENC<br>OF ASPHALT MATERIAL FOR TESTING AND CERTIF<br>MATERIAL MEETS THE REQUIREMENTS SPECIFIE<br>5.9 CONTRACTOR IS RESPONSIBLE FOR ESTABLIS<br>AND FOR PROVIDING THE ENGINEER WITH VERIFI<br>5.10 PAVEMENT STRUCTURE (MATERIAL TYPES AN<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL REPC  | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE<br>GINEER. CONTRACTOR TO PROVIDE ENGINEER WIT<br>FICATION FROM THE GEOTECHNICAL ENGINEER TH<br>D IN THE GEOTECHNICAL REPORT.<br>SHING LINE AND GRADE IN ACCORDANCE WITH THE<br>ICATION PRIOR TO PLACEMENT.<br>ND THICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DRT AND SHOWN ON THE PLANS.   | E H SAMPLES<br>AT THE<br>PLANS,<br>ITY AREAS<br>NDERGROUND<br>UNDERGROUND<br>IDERGROUND<br>DERGROUND<br>DERGROUND<br>S<br>LITY WIRES<br>D HYDRO<br>D BELL<br>ER   | IBI GROUP         Suite 400 - 333 Preston Street         Ottawa ON K1S 5N4 Canada         Ottawa ON K1S 5N4 Canada         Iel G13 225 1311 / 613 241 3300 fax 613 225 9868         ibigroup.com         PROJECT         CROWN POINTE         SUBURT         PROJECT NO:         136063         DRAWN BY:       CHECKED BY:         J.D.       J.B.         PROJECT MGR:       APPROVED BY:         T.R.B.          SHEET TITLE       DETAILS AND NOTES   |
| 24.L SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDAD         35.MATTARY MANHOLE COVERS TO BE CITY OF OTTAWA STANDAD         35.SANTARY MANHOLE COVERS TO BE CITY OF OTTAWA STD. 252 (MOD. OPSD. 401.020). SANITA         35.SANTARY SEWER LEAKAGE TEST AND COTV INSPECTION SHALL BE COMPLETED AS PER CITY         35.ANT SANTARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER         35.ANT SANTARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER         35.ANT SANTARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER         36.ANT SANTARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER         36.ANT SANTARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY SET TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY STALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARDS.         37.ANT SANTARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY STALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARDS.         37.ANT SEWER CONNECTION (IF REQUIRED)  | RY MANHOLE  RY SEWER  EC GEOMA1  N AN  Y BO  C GEOMA1  N AN  Y BO  C GEOMA1  N AN  Y BO  C GEOMA1  C GEOMA1  C GEOMA  C  | SUBCOMMENDATIONS OF THE GEOTECHNICAL ENC<br>OF ASPHALT MATERIAL FOR TESTING AND CERTIF<br>MATERIAL MEETS THE REQUIREMENTS SPECIFIE<br>5.9 CONTRACTOR IS RESPONSIBLE FOR ESTABLIS<br>AND FOR PROVIDING THE ENGINEER WITH VERIFI<br>5.10 PAVEMENT STRUCTURE (MATERIAL TYPES AN<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL REPC<br>TICS LTD. LEGEND<br>CHOR<br>PREHOLE<br>'LLARD<br>TCH BASIN<br>'UBLE CB<br>'CH CB<br>MANHOLE<br>'UBLE CB MANHOLE<br>DE INLET CB<br>LVE CURB STOP<br>AIN<br>ECTRICAL OUTLET<br>'AG POLE<br>DOD LIGHT<br>RBAGE CAN<br>LE GUYWIRE<br>S VALVE<br>'HT STANDARD HYDRO<br>DRO METER<br>DRO TRANSFORMER<br>ND WELL<br>'E HYDRANT<br>'VCTION BOX<br>ILBOX<br>INTENANCE HOLE UNIDENTIFIED<br>INTENANCE HOLE BELL<br>INTENANCE HOLE BELL<br>INTENANCE HOLE BELL<br>INTENANCE HOLE BELL<br>INTENANCE HOLE STORM<br>INTENANCE HOLE STORM  | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE<br>GINEER. CONTRACTOR TO PROVIDE ENGINEER WIT<br>FICATION FROM THE GEOTECHNICAL ENGINEER TH<br>D IN THE GEOTECHNICAL REPORT.<br>SHING LINE AND GRADE IN ACCORDANCE WITH THE<br>ICATION PRIOR TO PLACEMENT.<br>ND THICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DTHICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DTHICKNESSES) FOR HEAVY DUTY AND LIGHT UND<br>UMC MARKER CABLE IN<br>UMC MARKER COLL UNE<br>UMC MARKER CABLE IN<br>UMC MARKER OIL UNE<br>UMC VALVE DOX<br>VALVE CHAMBER<br>UMC VALVE BOX<br>VC VALVE CHAMBER<br>WV WATER VALVE<br>TREE STUMP<br>TREE CONIFERO<br>UMC TREE DECIDUOU<br>-OHW OVERHEAD UTIL<br>- P UNDERGROUNE<br>- T UNDERGROUNE<br>- STORM SEWER<br>-SAN SANITARY SEWI<br>- CURB  | E<br>H SAMPLES<br>AT THE<br>PLANS,<br>JTY AREAS<br>NDERGROUND<br>UNDERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROU | Vector of the street of the s |
| 24.L SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDAL         25.MAITARY MAINTENANCE HOLES TO BE CITY OF OTTAWA STANDAL         26.MITARY MAINTENANCE HOLES TO BE CITY OF OTTAWA STD. 525 (MOD. OPSD. 401.020). SANITA         25.SANITARY MAINTENANCE ECOVERS TO BE CITY OF OTTAWA STD. 525 (MOD. OPSD. 401.020). SANITA         25.SANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY         25.SANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY         25.SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER         25.SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER         25.CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY         26.CONCOLOR OF DE INCLUDED IN THE COST FOR SANITARY         27.SIAMESE CONNECTION (IF REQUIRED)         Image: Seconsection of THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY         27.SIAMESE CONNECTION (IF REQUIRED)         Image: Seconsection of THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY         28.WERTER         Image: Seconsection of THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY         28.WERTER         Image: Seconsection of the EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY         28.WERTER         Image: Seconsection of the EXIST SECONSECTION (IF REQUIRED)         Image: Seconsection of the EXIS   | RY MANHOLE<br>R CITY OF<br>RY SEWER<br>EC GEOMAT $C$ BO<br>C CO<br>C CO<br>  | SUBCOMMENDATIONS OF THE RECORCENTICAL ENC<br>OF ASPHALT MATERIAL FOR TESTING AND CERTIF<br>MATERIAL MEETS THE REQUIREMENTS SPECIFIEE<br>5.9 CONTRACTOR IS RESPONSIBLE FOR ESTABLIS<br>AND FOR PROVIDING THE ENGINEER WITH VERIFI<br>5.10 PAVEMENT STRUCTURE (MATERIAL TYPES AN<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL REPC<br>TCH BASIN<br>UBLE CB<br>'CH CB<br>MANHOLE<br>UBLE CB MANHOLE<br>DE INLET CB<br>LVE CURB STOP<br>AIN<br>ECTRICAL OUTLET<br>AG POLE<br>DOD LIGHT<br>RBAGE CAN<br>LE GUYWIRE<br>S VALVE<br>SHT STANDARD HYDRO<br>DRO METER<br>DRO TRANSFORMER<br>ND WELL<br>'E HYDRANT<br>VCTION BOX<br>ILBOX<br>INTENANCE HOLE UNIDENTIFIED<br>INTENANCE HOLE FIBRE OPTIC<br>INTENANCE HOLE FIBRE OPTIC<br>INTENANCE HOLE STORM<br>INTENANCE HOLE STORM | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE<br>GINEER. CONTRACTOR TO PROVIDE ENGINEER WIT<br>TICATION FROM THE GEOTECHNICAL ENGINEER TH<br>D IN THE GEOTECHNICAL REPORT.<br>SHING LINE AND GRADE IN ACCORDANCE WITH THE<br>ICATION PRIOR TO PLACEMENT.<br>ND THICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DTHICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DTHICKNESSES<br>DTHICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNE | E<br>H SAMPLES<br>AT THE<br>PLANS,<br>ITY AREAS<br>NDERGROUND<br>IDERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>S<br>LITY WIRES<br>D HYDRO<br>D BELL<br>ER  | IBI GROUP         Suite 400 – 333 Preston Street         Ottawa ON K1S 5N4 Canada         IEI GROUP         Suite 400 – 333 Preston Street         Ottawa ON K1S 5N4 Canada         Iel 613 225 1311 / 613 241 3300 fax 613 225 9868         IBI CROWN POINTE         OUBCT         CROWN POINTE         SUIT CROWN POINTE         OUBCT         CROWN POINTE         900 WATTERS ROAD         CROWN POINTE         OMERCIAL         PHASE 3         PROJECT NO:         136063       DRAWN BY:         J.B.         PROJECT MGR:         J.B.         PROJECT MGR:         J.B.         PROJECT MGR:         J.B.         PROJECT MGR:         J.B.         PROJECT MIGR:         J.B.         PROJECT MICE         SHEET TITLE         DETAILS AND NOTES  |
| ALL SANITARY MAINTENANCE HOLES TO BE 1.2th DIAMETER AS PER CITY OF OTTAWA STANDAI         MMPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE ME         SANITARY MANHOLE COVERS TO BE CITY OF OTTAWA STD. S24.         SANITARY SEWER LEAKAGE TEST AND COTV INSPECTION SHALL BE COMPLETED AS PER CITY         SANITARY SEWER WITH LESS THAN 2.0th COVER REQUIRES THERMAL INSULATION AS PER         LAWY SANITARY SEWER WITH LESS THAN 2.0th COVER REQUIRES THERMAL INSULATION AS PER         LAWY SANITARY SEWER WITH LESS THAN 2.0th COVER REQUIRES THERMAL INSULATION AS PER         LONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY         SCONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY         SCONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY         SCONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY         SCONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY         SCONNECTION (IF REQUIRED)         M       METER         PRV       PRESSURE REDUCING VALVE         M       WATERMAIN IDENTIFICATION         M       PIPE CONSING IDENTIFICATION         M       PROTECTIVE BOLLARD         M       HEAVY DUTY ASPHALT / FIRE ROUTE         M       PAD MOUNTED TRANSFORMER         M       LIGHT FIXTURE   | RY MANHOLE<br>R CITY OF<br>RY SEWER<br>EC GEOMAT $C GEOMATC GEOMA$   | SUBCOMMENDATIONS OF THE RECOTECHNICAL ENC<br>OF ASPHALT MATERIAL FOR TESTING AND CERTIF<br>MATERIAL MEETS THE REQUIREMENTS SPECIFIEE<br>5.9 CONTRACTOR IS RESPONSIBLE FOR ESTABLIS<br>AND FOR PROVIDING THE ENGINEER WITH VERIFI<br>5.10 PAVEMENT STRUCTURE (MATERIAL TYPES AN<br>TO BE AS SPECIFIED IN THE GEOTECHNICAL REP(  | ACT ASPHALT MATERIAL IN ACCORDANCE WITH THE<br>GINEER. CONTRACTOR TO PROVIDE ENGINEER WIT<br>TICATION FROM THE GEOTECHNICAL REPORT.<br>SHING LINE AND GRADE IN ACCORDANCE WITH THE<br>ICATION PRIOR TO PLACEMENT.<br>ND THICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DTHICKNESSES) FOR HEAVY DUTY AND LIGHT<br>DTHICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DTHICKNESSES) FOR HEAVY DUTY AND LIGHT DU<br>DTHICKNESSES DUT<br>DTHICKNESSES DUT<br>DTHICKNESSES DUT<br>DTHICKNESSES DUT<br>DTHICKNESSES DUT<br>DTHICKNESSES DUT<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICKNESSES<br>DTHICK         | E H SAMPLES<br>AT THE<br>PLANS,<br>ITY AREAS<br>NDERGROUND<br>UNDERGROUND<br>IDERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND<br>DERGROUND  | IBI GROUP         Suite 400 – 333 Preston Street         Ottawa ON K1S 5N4 Canada         tel 513 225 1311 / 613 241 3300 fax 613 225 9868         Ibigroup.com         PROJECT         CROWN POINTE         900 WATTERS ROAD         CROWN POINTE COMMERCIAL         PHASE 3         PROJECT NO:         136063         DRAWN BY:       CHECKED BY:         J.B.         PROJECT MGR:       APPROVED BY:         T.R.B.          SHEET TITLE       DETAILS AND NOTES         SHEET NUMBER       ISSUE  |

D07-12-21-0183 No. 



| Propertion | CLIENT<br>CROWN POINTE-CO-TENANCY<br>C/O<br>TAGGART REALTY MANAGEMENT<br>255 METCALFE ST <del>R</del> EET, OTTAWA, On<br>K2P 1P9<br>COPYRIGHT<br>This drawing has been prepared solely for the intended use, thus any<br>reproduction or distribution for any purpose other than authorized by IBI Group is<br>forbidden. Written dimensions shall have precedence over scaled dimensions.<br>Contractors shall verify and be responsible for all dimensions and conditions on<br>the job, and IBI Group shall be informed of any variations from the dimensions and<br>conditions shown on the drawing. Shop drawings shall be submitted to IBI Group<br>for general conformance before proceeding with fabrication.<br>IBI GROUP Professional Services (Canada) Inc.<br>Is a member of the IBI Group of companies  |
|------------|--|
|            | NO.     DESCRIPTION     DATE       1     ISSUED TO SOBEY'S     2021-10-21       2     ISSUED FOR SPA     2021-10-28       3     REVISED PER CITY COMMENTS     2022-02-03       4     ISSUED FOR TENDER     2022-03-01       5     REVISED PER CITY COMMENTS     2022-04-19       AND NEW SITE PLAN     2022-05-04       6     ISSUED FOR CONSTRUCTION     2022-05-04       7     CP3-IB-C001     2022-05-16  |
|            | CONSULTANTS  |
|            | SEAL<br>$1:500 \frac{0}{0}$ , $5$ , $15$ , $25m$<br>SEAL<br>15, $25mSEAL15$ , $15$ , $25m15$ , $25m15m$ |
|            | IBI GROUP         Suite 400 – 333 Preston Street         Ottawa ON K1S 5N4 Canada         tel 613 225 1311 / 613 241 3300 fax 613 225 9868         ibigroup.com         PROJECT         CROWN POINTE         900 WATTERS ROAD         CROWN POINTE COMMERCIAL         PHASE 3  |
|            | PROJECT NO:<br>136063<br>DRAWN BY: CHECKED BY:<br>J.B.<br>PROJECT MGR: APPROVED BY:<br>T.R.B<br>SHEET TITLE<br>GRADING PLAN<br>SHEET NUMBER<br>C-200 7   |



| Profection       TAGGART REALTY MANAGEMENT         225 METCALFE STREET, OTTAWA, On K2P 1P9         COPYRIGHT         This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by IBI Group is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall be informed of any variations from the dimensions and  |
|---|
| conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general conformance before proceeding with fabrication.         IBI Group Professional Services (Canada) Inc. is a member of the IBI Group of companies         ISSUES         No.       DESCRIPTION       DATE         1       ISSUED FOR SPA       2021-10-28         2       REVISED PER CITY COMMENTS       2022-02-03         3       REVISED PER CITY COMMENTS       2022-04-19         4       CP3-IB-C001       2022-05-16   |
| SEE 010 FOR NOTES, LEGEND, CB TABLE, STREET<br>SECTIONS AND DETAILS   |
| SEAL  PROFESSION T. R. BRULE DOLL T. R. BRULE T. R. S. R. S. |
| IBI GROUP         Suite 400 – 333 Preston Street         Ottawa ON K1S 5N4 Canada         tel 613 225 1311 / 613 241 3300 fax 613 225 9868         Ibigroup.com         PROJECT         CROWN POINTE         900 WATTERS ROAD         CROWN POINTE COMMERCIAL         PHASE 3   |
| 136063         DRAWN BY:       CHECKED BY:         D.D.       J.B.         PROJECT MGR:       APPROVED BY:         T.R.B.          SHEET TITLE       SANITARY DRAINAGE AREA         PLAN       PLAN   |

![](_page_5_Figure_0.jpeg)

CITY PLAN No. 18633

Ö. Į E E E  $\succ$ 

![](_page_6_Figure_0.jpeg)

#### NOTES:

THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY,

- I. SILT FENCE TO BE ERECTED PRIOR TO EARTH WORKS BEING COMMENCED. SILT FENCE TO BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL START OF SUBSEQUENT PHASE.
- 2. SILT SACK TO BE PLACED AND MAINTAINED UNDER COVER OF ALL CATCHBASINS. GEOTEXTILE SILT SACK IN STREET CBs TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. GEOTEXTILE FABRIC IN RYCBs TO REMAIN UNTIL VEGETATION IS ESTABLISHED. ALL CATCHBASINS TO BE REGULARLY INSPECTED AND CLEANED, AS NECESSARY, UNTIL SOD AND CURBS ARE CONSTRUCTED.
- 3. WORKS NOTED ABOVE ARE TO BE INSTALLED, INSPECTED, MAINTAINED AND ULTIMATELY REMOVED BY SERVICING CONTRACTOR.
- 4. THIS IS A "LIVING DOCUMENT" AND MAY BE MODIFIED IN THE EVENT THE PROPOSED CONTROL MEASURES ARE INSUFFICIENT
- 5. SEE DRAWING C-010 FOR ADDITIONAL DETAILS AND NOTES.

#### LEGEND :

- LIGHT DUTY SILT FENCE AS PER OPSD-219.110
- SNOW FENCE (ASPHALT AREAS)
  STRAW BALE CHECK DAM AS PER

- 15.0 ----

OPSD-219.180 ROCK CHECK DAM AS PER OPSD-219.210

SILT SACK PLACED UNDER EXISTING CB COVER

TEMPORARY MUD MAT 0.15m THICK 50mm CLEAR STONE ON NON WOVEN FILTER CLOTH

Muldnen

GERALDINE WILDMAN ACTING MANAGER, DEVELOPMENT REVIEW EAST PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

**APPROVED** By wildmange at 12:56 pm, May 23, 2022

![](_page_6_Figure_18.jpeg)