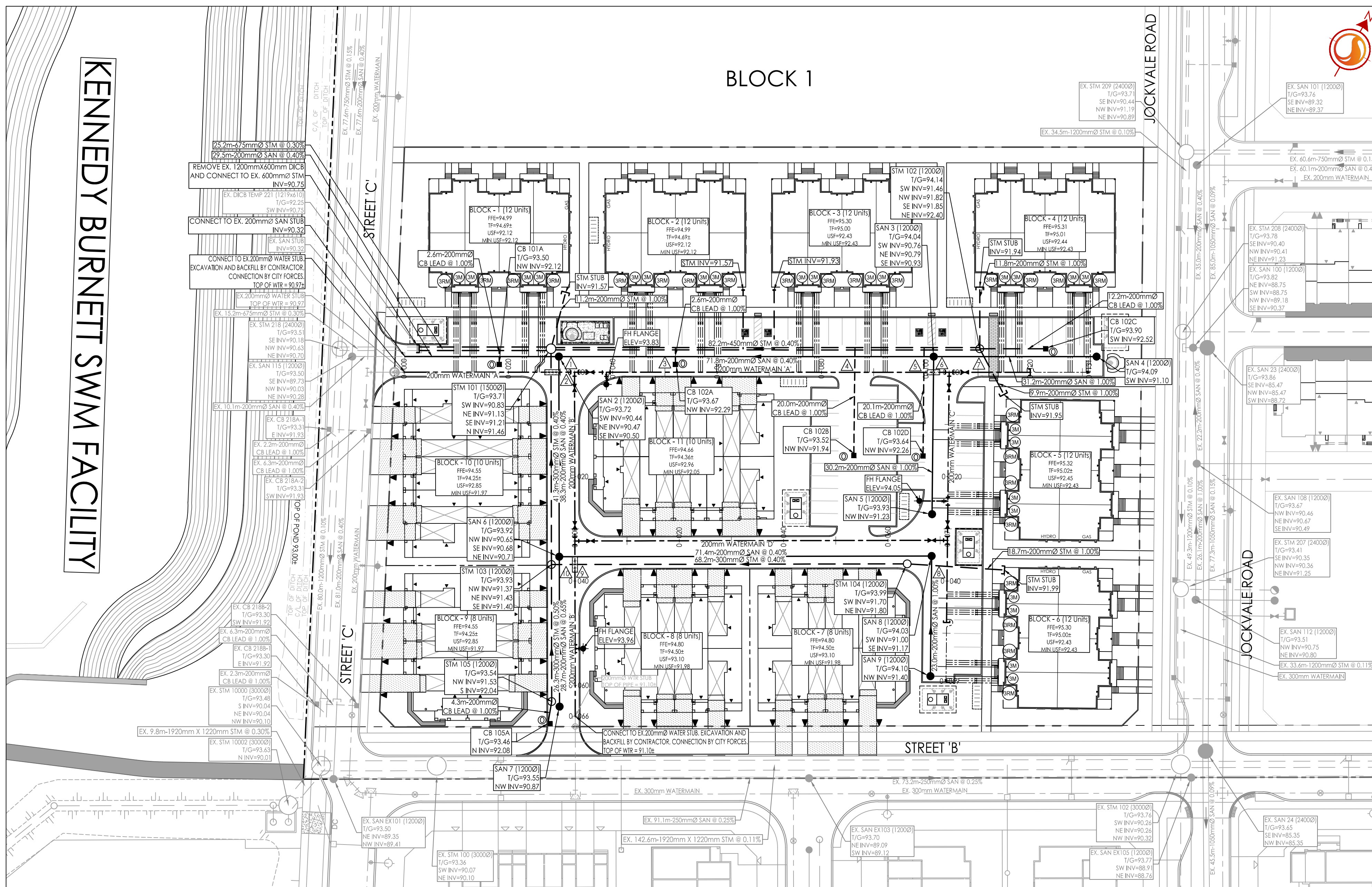
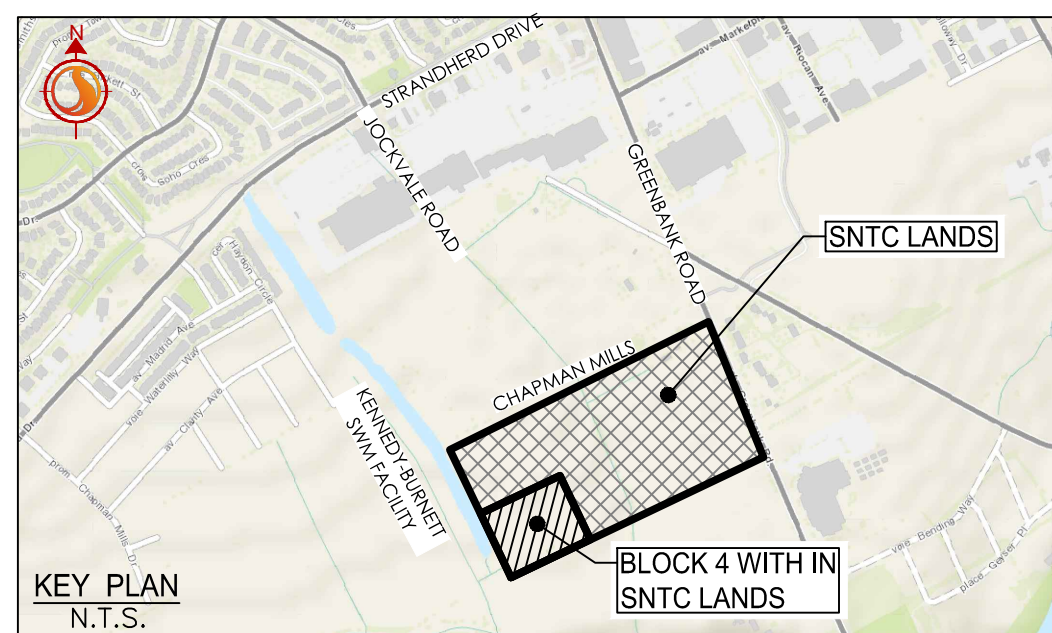


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200mmØ / 50mmØ WATERMAIN A

| STATION | FINISHED GRADE | TOP OF W/M | ITEM |
|---------|----------------|------------|-------------------------------------------------------------------------|
| 0+000 | 93.51 | 90.97± | CONNECT TO EX. 200mmØ WATERMAIN STUB |
| 0+020 | 93.55 | 91.150 | TOP OF PIPE |
| 0+027 | 93.67 | 91.270 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+027.7 | 93.68 | 92.230 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+029.2 | 93.70 | 92.230 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+029.9 | 93.70 | 91.300 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+032.7 | 93.71 | 91.310 | 200mmØ X 200mmØ TEE |
| 0+035.7 | 93.75 | 91.350 | 200mmØ VALVE AND VALVE BOX |
| 0+038.7 | 93.78 | 91.380 | 150mmØ FIRE HYDRANT TEE |
| 0+050 | 93.71 | 91.310 | TOP OF PIPE |
| 0+060 | 93.76 | 91.360 | TOP OF PIPE |
| 0+080 | 93.80 | 91.400 | TOP OF PIPE |
| 0+085.4 | 93.83 | 91.430 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25 |
| 0+085.9 | 93.83 | 91.250 | 45° VERTICAL BEND CROSSING UNDER SEWER AS PER W25 |
| 0+086.9 | 93.84 | 91.250 | 45° VERTICAL BEND CROSSING UNDER SEWER AS PER W25 |
| 0+087.4 | 93.85 | 91.450 | 45° VERTICAL BEND CROSSING UNDER SEWER AS PER W25 |
| 0+100 | 94.00 | 91.600 | TOP OF PIPE |
| 0+100.3 | 94.00 | 91.600 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+101.0 | 94.01 | 91.860 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+102.0 | 94.01 | 91.860 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+102.7 | 94.02 | 91.620 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+104.5 | 94.03 | 91.620 | 200mmØ X 200mmØ TEE |
| 0+107.5 | 94.05 | 91.650 | 200mmØ VALVE AND VALVE BOX |
| 0+111.7 | 94.09 | 91.690 | 45° VERTICAL BEND CROSSING UNDER SEWER AS PER W25 |
| 0+112.2 | 94.09 | 91.380 | 45° VERTICAL BEND CROSSING UNDER SEWER AS PER W25 |
| 0+113.2 | 94.11 | 91.380 | 45° VERTICAL BEND CROSSING UNDER SEWER AS PER W25 |
| 0+113.7 | 94.11 | 91.710 | 45° VERTICAL BEND CROSSING UNDER SEWER AS PER W25 |
| 0+119.4 | 94.07 | 91.670 | 50mmØ TVS FOR PEX TUBING WATER SERVICE |
| 0+120 | 94.07 | 91.670 | 200mmØ CAP AND THRUST BLOCK |
| 0+131.3 | 94.07 | 91.100 | 50mmØ REDUCED TO 19mmØ WATER SERVICE AND COIL |

200mmØ WATERMAIN B

| STATION | FINISHED GRADE | TOP OF W/M | ITEM |
|---------|----------------|------------|-------------------------------------------------------------------------|
| 0+000 | 93.71 | 91.310 | 200mmØ X 200mmØ TEE |
| 0+003 | 93.69 | 91.290 | 200mmØ VALVE AND VALVE BOX |
| 0+020 | 93.78 | 91.380 | TOP OF PIPE |
| 0+029.3 | 93.84 | 91.440 | 200mmØ VALVE AND VALVE BOX |
| 0+032.3 | 93.88 | 91.480 | 200mmØ X 200mmØ TEE |
| 0+033.3 | 93.89 | 91.490 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+034.3 | 93.88 | 92.450 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+037.3 | 93.87 | 92.450 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+038.3 | 93.87 | 91.470 | 45° VERTICAL BEND CROSSING OVER SEWER AS PER W25.2 AND INSULATE PER W22 |
| 0+040 | 93.85 | 91.450 | TOP OF PIPE |
| 0+053 | 93.69 | 91.290 | 150mmØ FIRE HYDRANT TEE |
| 0+060 | 93.62 | 91.220 | TOP OF PIPE |
| 0+065.9 | 93.56 | 91.160 | CONNECT TO EX. 200mmØ WATERMAIN STUB |

200mmØ / 50mmØ WATERMAIN C

| STATION | FINISHED GRADE | TOP OF W/M | ITEM |
|---------|----------------|------------|---------------------------------------------------|
| 0+000 | 94.03 | 91.630 | 200mmØ X 200mmØ TEE |
| 0+003 | 94.00 | 91.600 | 200mmØ VALVE AND VALVE BOX |
| 0+020 | 93.89 | 91.490 | TOP OF PIPE |
| 0+024.6 | 93.93 | 91.530 | 150mmØ FIRE HYDRANT TEE |
| 0+029.2 | 93.98 | 91.580 | 200mmØ VALVE AND VALVE BOX |
| 0+032.2 | 94.02 | 91.620 | 200mmØ X 200mmØ TEE |
| 0+036.2 | 94.06 | 91.660 | 45° VERTICAL BEND CROSSING UNDER SEWER AS PER W25 |
| 0+036.7 | 94.06 | 91.360 | 45° VERTICAL BEND CROSSING UNDER SEWER AS PER W25 |
| 0+037.7 | 94.06 | 91.360 | 45° VERTICAL BEND CROSSING UNDER SEWER AS PER W25 |
| 0+038.2 | 94.06 | 91.660 | 45° VERTICAL BEND CROSSING UNDER SEWER AS PER W25 |
| 0+040 | 94.07 | 91.670 | TOP OF PIPE |
| 0+047.3 | 94.07 | 91.670 | 50mmØ TVS FOR PEX TUBING WATER SERVICE |
| 0+047.9 | 94.07 | 91.670 | 200mmØ CAP AND THRUST BLOCK |
| 0+059.2 | 94.12 | 91.720 | 50mmØ REDUCED TO 19mmØ WATER SERVICE AND COIL |

200mmØ WATERMAIN D

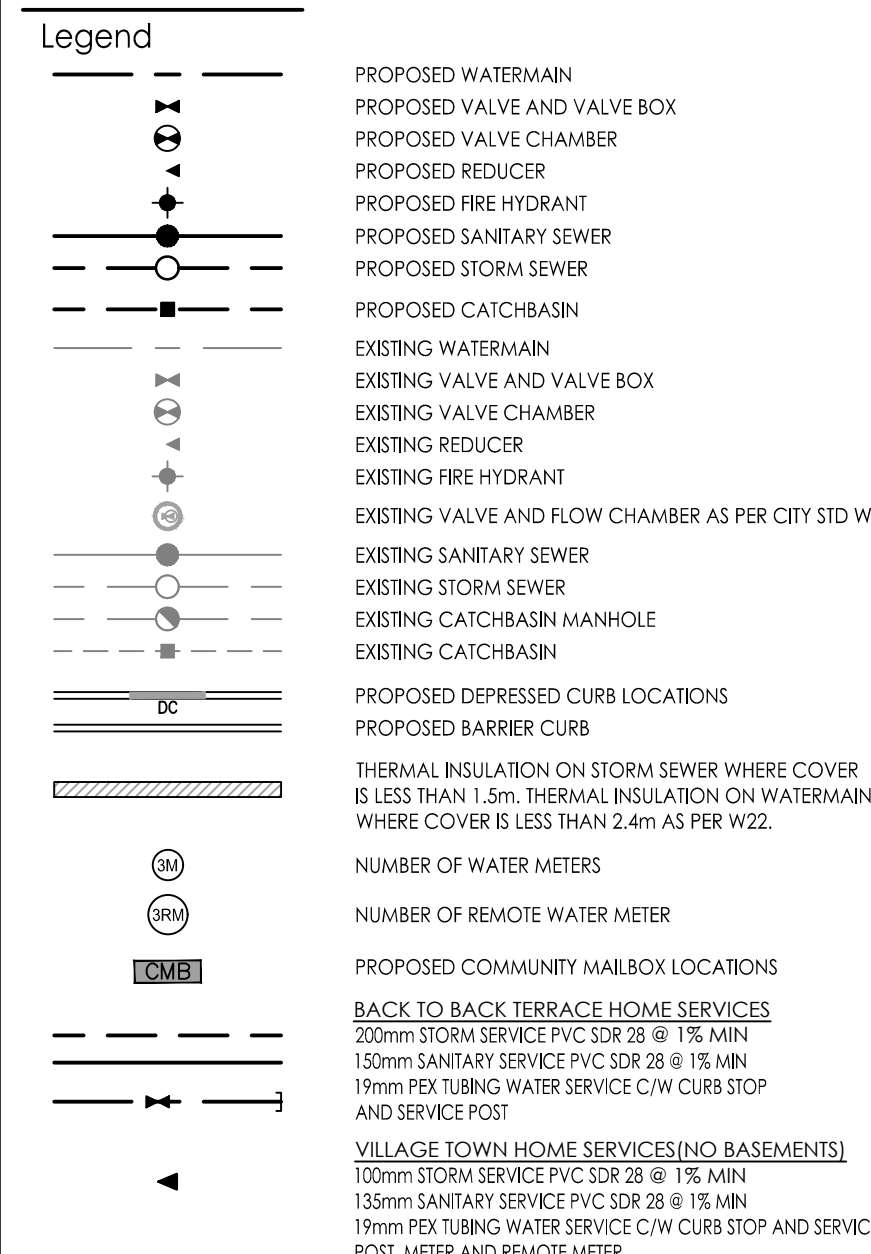
| STATION | FINISHED GRADE | TOP OF W/M | ITEM |
|---------|----------------|------------|----------------------------|
| 0+000 | 93.88 | 91.480 | 200mmØ X 200mmØ TEE |
| 0+003 | 93.87 | 91.470 | 200mmØ VALVE AND VALVE BOX |
| 0+020 | 93.94 | 91.540 | TOP OF PIPE |
| 0+040 | 93.96 | 91.560 | TOP OF PIPE |
| 0+060 | 93.93 | 91.530 | TOP OF PIPE |
| 0+084.4 | 94.02 | 91.620 | 200mmØ VALVE AND VALVE BOX |
| 0+071.4 | 94.02 | 91.620 | 200mmØ X 200mmØ TEE |

SCHEDULE OF INLET CONTROL DEVICES

| OUTLET ORIFICE NAME | CATCHBASIN ID | TRIBUTARY AREA ID | ICD TYPE | 2YR HEAD (m) | 100YR HEAD (m) | 2YR FLOW (L/s) | 100YR FLOW (L/s) |
|---------------------|---------------|-------------------|---------------|--------------|----------------|----------------|------------------|
| L101A-IC | CB101A | L101A | 178mm ORIFICE | 1.35 | 1.58 | 70.91 | 76.88 |
| L102A-IC | CB102A | L102A | 108mm ORIFICE | 1.41 | 1.54 | 27.11 | 28.27 |
| L102B-IC | CB102B | L102B | 178mm ORIFICE | 1.52 | 1.77 | 75.49 | 81.84 |
| L102C-IC | CB102C | L102C | 94mm ORIFICE | 1.07 | 1.55 | 17.76 | 21.57 |
| L102D-IC | CB102D | L102D | 108mm ORIFICE | 1.32 | 1.56 | 23.34 | 25.44 |
| L105A-IC | CB105A | L105A | 94mm ORIFICE | 1.38 | 1.44 | 20.33 | 20.72 |

SEWER AND WATERMAIN CROSSING TABLE

| CROSSING | STM INV | STM OBV | SAN INV | SAN OBV | WTR TOP | WTR STM |
|----------|---------|---------|---------|---------|---------|---------|
| ▲ | 91.14 | 91.52 | 90.43 | 90.63 | | |
| ▲ | 91.15 | 91.53 | 90.51 | 90.75 | 92.23 | 92.03 |
| ▲ | 92.27 | 92.47 | 90.56 | 90.76 | | |
| ▲ | 91.75 | 91.95 | 90.69 | 90.89 | 91.25 | 91.05 |
| ▲ | 92.10 | 92.30 | 90.75 | 90.95 | 91.56 | 91.36 |
| ▲ | | | 90.96 | 91.16 | 91.86 | 91.66 |
| ▲ | 91.88 | 92.08 | 90.89 | 91.09 | 91.38 | 91.18 |
| ▲ | 91.86 | 92.06 | 91.19 | 91.39 | 91.36 | 91.16 |
| ▲ | 91.45 | 91.75 | 90.72 | 90.92 | 92.45 | 92.25 |
| ▲ | 91.44 | 91.74 | 90.70 | 90.90 | | |



- ### Notes
- FINAL SERVICE LATERAL SIZES TO BE CONFIRMED BY MECHANICAL CONSULTANT.
 - ALL ROOF EAVES TROUGH TO OUTLET TO INTERNAL SURFACE PARKING AREAS.
 - PRESSURE REDUCING VALVES (PRVs) ON ALL UNITS TO BE INSTALLED AS PER ONTARIO PLUMBING CODE.
 - MAINTENANCE HOLES LOCATED IN PONDING AREAS SHALL HAVE TIGHT FRAME AND COVERS AS PER CITY STANDARD S24, S24-1 AND S25, (SAN MHs 4 AND 5)
 - BLOCKS 1 TO 5 UNITS WILL BE SERVICED THROUGH SNTC LANDS BLOCK 4 PROPOSED SANITARY SYSTEM.

Revision

| 0 | ISSUED TO CITY FOR SPA | MJS | TR | 20.05.01 |
|---|------------------------|-----|----|----------|
| | | | By | Appd. |

File Name: 160401085 BLK 4.DWG

| | MJS | AMP | MJS | 20.02.25 |
|--|------|-------|------|----------|
| | Dwn. | Chkd. | Dgn. | YY.MM.DD |



Client/Project
NEPEAN TOWN CENTRE DEVELOPMENT CORPORATION

SNTC LANDS BLOCK 4
OTTAWA, ON

Title
SITE SERVICING PLAN

| | | | |
|--------------------------|----------------|------------|---------------|
| Project No. 160401085 | Scale 1:500 | Sheet 1 | Revision 0 |
|--------------------------|----------------|------------|---------------|

SSP-1 2 of 7 0