

GENERAL NOTES:

1. DIMENSIONS AND LAYOUT INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. THE ORIGINAL TOPOGRAPHY AND GROUND ELEVATIONS, SERVICING AND SURVEY INFORMATION SHOWN ON THIS PLAN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL INFORMATION OBTAINED FROM THIS PLAN.
3. CO-ORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
4. BEFORE COMMENCING CONSTRUCTION, PROVIDE PROOF OF COMPREHENSIVE ALL RISK AND OPERATIONAL LIABILITY INSURANCE INCLUDING BLASTING, INSURANCE POLICY TO NAME THE OWNER, ENGINEER AND THE CITY AS CO-INSURED. AMOUNT OF INSURANCE TO BE SPECIFIED BY OWNER'S AGENT.
5. CONNECT TO EXISTING SYSTEMS AS DETAILED, INCLUDING ALL RESTORATION WORK NECESSARY TO REINSTATE SURFACES TO EXISTING CONDITIONS OR BETTER.
6. DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME ALL RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS.
7. OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
8. RESTORE ALL TRENCHES AND SURFACE FEATURES TO EXISTING CONDITIONS OR BETTER AND TO THE SATISFACTION OF CITY OF OTTAWA AUTHORITIES. REINSTATE TULUM CRESCENT AND OVERBERG WAY TO EXISTING CONDITIONS OR BETTER AS PER CITY OF OTTAWA STANDARD R-10.
- ASPHALT RESTORATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA R-10.
  - THICKNESS OF GRANULAR MATERIAL AND ASPHALT LAYERS SHALL BE IN ACCORDANCE WITH PAVEMENT STRUCTURE NOTES.
  - BOULEVARDS SHALL BE REINSTATED WITH 150mm OF TOPSOIL, SEED AND MULCH.
9. REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE INSTRUCTED BY ENGINEER. EXCAVATE AND REMOVE FROM SITE ALL ORGANIC MATERIAL AND DEBRIS UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
10. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
11. ALL FENCING TO BE LOCATED 0.15m INSIDE PROPERTY LINE.
12. CONCRETE SIDEWALK TO BE CONSTRUCTED AS PER CITY STANDARD SC-3, SC-5, SC-7 AND SC-8.
13. REFER TO ARCHITECT'S AND LANDSCAPE ARCHITECT'S DRAWINGS FOR BUILDING AND HARDSURFACE AREAS AND DIMENSIONS.
14. REFER TO SERVICING DESIGN BRIEF (R-2015-079, DATED JANUARY 2019) AND STORMWATER MANAGEMENT REPORT (R-2015-080, DATED SEPTEMBER 2018) PREPARED BY NOVATECH.
15. REFER TO GEOTECHNICAL REPORT (NO. 07-1121-0037, DATED SEPTEMBER 2018 AND TECHNICAL MEMO, DATED JANUARY 2019), PREPARED BY GOLDER ASSOCIATES FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS.
16. SAW CUT AND KEY GRIND ASPHALT AT ALL ROAD CUTS AND TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10).
17. PROVIDE LINE / PARKING PAINTING.
18. CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GENERAL PLAN OF SERVICES INDICATING ALL SERVICING AS-BUILT 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, TWM ELEVATIONS AND ANY ALIGNMENT CHANGES, ETC. CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GRADING PLAN INDICATING THE AS-BUILT ELEVATION OF EVERY DESIGN GRADE SHOWN ON THIS PLAN.
19. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARDS AND SPECIFICATIONS AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS. ONTARIO PROVINCIAL STANDARDS APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.
20. PERFORATED PIPE SUB-DRAINS TO BE PROVIDED AT SUBGRADE LEVEL EXTENDING FROM THE ROADSIDE CATCHBASIN FOR A DISTANCE OF 3.0m, PARALLEL TO THE CURB IN TWO DIRECTIONS.
21. ALL PRIVATE APPROACHES MUST BE CONSTRUCTED AS PER CITY SPECIFICATIONS SC13.
22. CURRENT / LATEST CITY STANDARDS HAVE BEEN USED IN THIS PROJECT.

GRADING NOTES:

1. REMOVE ALL ORGANIC MATTER AND TOPSOIL FROM AREAS THAT ARE TO BE PAVED.
2. GRADE AND/OR FILL WHERE REQUIRED.
3. MATCH EXISTING ELEVATIONS AT ALL PROPERTY LINES.
4. ENSURE POSITIVE DRAINAGE WHETHER INDICATED OR NOT.
5. MINIMUM OF 2% AND MAXIMUM OF 6% GRADE FOR GRASSED AREAS UNLESS OTHERWISE NOTED. SIDEWALK CROSSFALL NOT TO EXCEED 2%.
6. MAXIMUM TERRACING GRADE IS 3:1.
7. ALL GRADES BY CURBS ARE EDGE OF PAVEMENT GRADES UNLESS OTHERWISE INDICATED.
8. MINIMUM REARYARD SWALE GRADE IS 1.5%. MINIMUM REARYARD SWALE GRADE WITH THE INSTALLATION OF A SUBDRAIN SYSTEM IS 1.0%. (UNLESS OTHERWISE NOTED)
9. CURBS SHALL BE BARRIER CURB (150mm) UNLESS OTHERWISE NOTED AND CONSTRUCTED AS PER CITY OF OTTAWA STANDARDS (SC1.1).
10. REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.
11. ALL PROPOSED STEPS IN WALKWAYS ARE TO BE WITHIN THE PROPERTY BOUNDARY.
12. ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT ARE TO BE DESIGNED, REVIEWED, INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROLS ARE TO BE INSTALLED TO THE SATISFACTION OF THE CITY OF OTTAWA, APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL SUCH AS BUT NOT LIMITED TO INSTALLING CATCHBASIN INSERTS ACROSS MANHOLE/CATCHBASIN LIDS TO PREVENT SEDIMENTS FROM ENTERING STRUCTURES AND INSTALL AND MAINTAIN A LIGHT DUTY SILT FENCE BARRIER AS REQUIRED.
2. TO PREVENT SURFACE EROSION FROM ENTERING THE STORM SYSTEM DURING CONSTRUCTION, A SEDIMENT CONTROL DEVICE SUCH AS CATCHBASIN INSERTS, WILL BE PLACED UNDER ALL PROPOSED AND SURROUNDING CATCHBASINS AND MANHOLES. THE SEDIMENT CONTROL DEVICE WILL REMAIN IN PLACE UNTIL VEGETATION HAS BEEN ESTABLISHED AND CONSTRUCTION COMPLETE.
3. ANY ON-SITE STOCKPILES SHALL BE LOCATED IN AREAS TO BE DESIGNATED BY THE ENGINEER AND WELL AWAY FROM DRAINAGE SWALES, OUTLET DITCHES AND REAR YARD CATCHBASINS.
4. CONTRACTOR IS TO INSTALL LIGHT DUTY SILT FENCE AS PER OPSD 219.110 AROUND PERIMETER OF SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SILT FENCE TO BE INSTALLED ON THE PROPERTY LINE. CONTRACTOR SHALL MAINTAIN SILT FENCE FOR THE DURATION OF THE CONTRACT.
5. CONTRACTOR IS TO INSTALL STRAW BALES AS PER OPSD 219.180 AS INDICATED AND DIRECTED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
6. ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE TREATED WITH IMPORTED TOPSOIL, SEED AND MULCH.
7. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

NOTES: PAVEMENT STRUCTURE

1. SUBGRADE MATERIAL SHALL BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
2. ROADWAY GRANULAR MATERIAL SHALL BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
3. ASPHALTIC CONCRETE TO BE COMPACTED TO AT LEAST 97% OF MARSHALL DENSITY.
4. ALL ROADWAYS TO HAVE 3% CROSSFALL INCLUDING SUBGRADE AND GRANULAR BASE, UNLESS OTHERWISE NOTED.
5. ROADWAY SUBGRADE TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION TO REVIEW THE GRANULAR 'B' DEPTH AND FOR THE NECESSITY OF A WOVEN GEOTEXTILE BELOW THE GRANULAR MATERIALS.
6. PRIOR TO THE PLACEMENT OF TOPLIFT, CONTRACTOR IS TO ADJUST ALL STRUCTURES AS PER CITY OF OTTAWA STANDARD R-2.

PAVEMENT STRUCTURE DETAILS

REFER TO GEOTECHNICAL REPORT (NO. 07-1121-0037, DATED SEPTEMBER 2018), PREPARED BY GOLDER ASSOCIATES FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS.

HEAVY DUTY / DRIVING AISLES

- 40mm HL3
- 50mm HL8
- 150mm GRANULAR 'A'
- 450mm GRANULAR 'B' TYPE II
- SUBGRADE TO BE FILL, IN SITU SOIL, OR O.P.S.S. GRANULAR 'B' TYPE 1 OR 2
- MATERIAL PLACED OVER IN SITU SOIL OR FILL

LIGHT DUTY / PARKING STALLS

- 50mm HL8
- 150mm GRANULAR 'A'
- 375mm GRANULAR 'B' TYPE II
- SUBGRADE TO BE FILL, IN SITU SOIL, OR O.P.S.S. GRANULAR 'B' TYPE 1 OR 2
- MATERIAL PLACED OVER IN SITU SOIL OR FILL

SEWER NOTES:

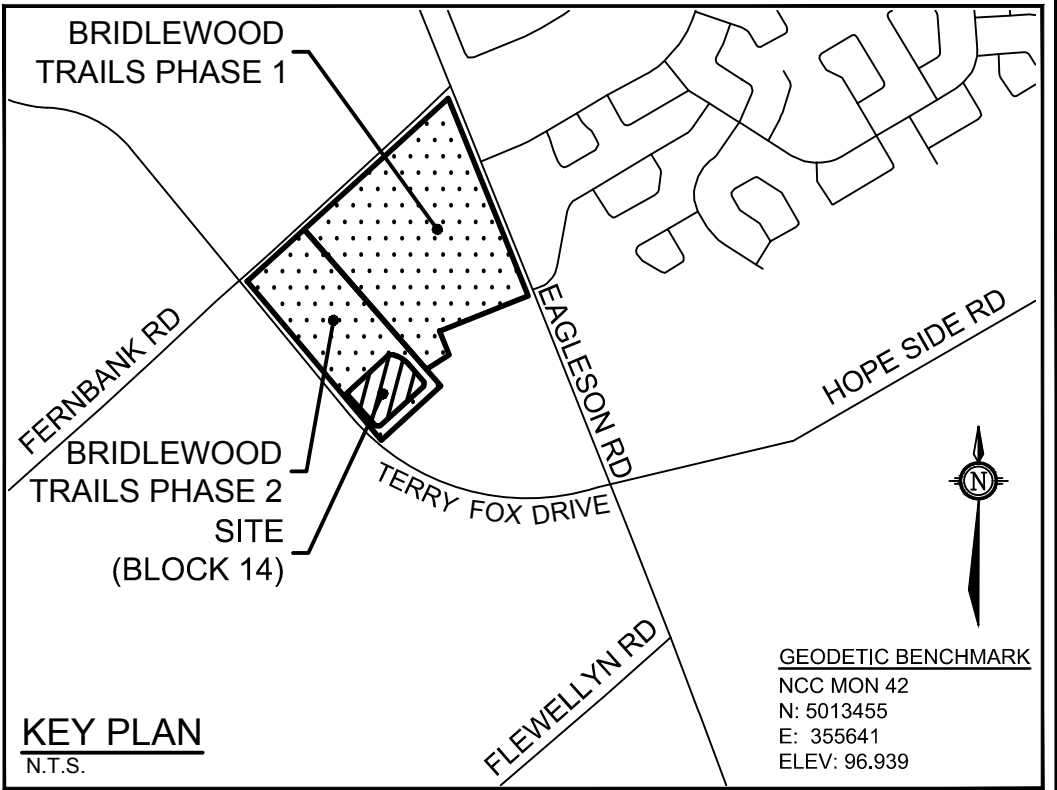
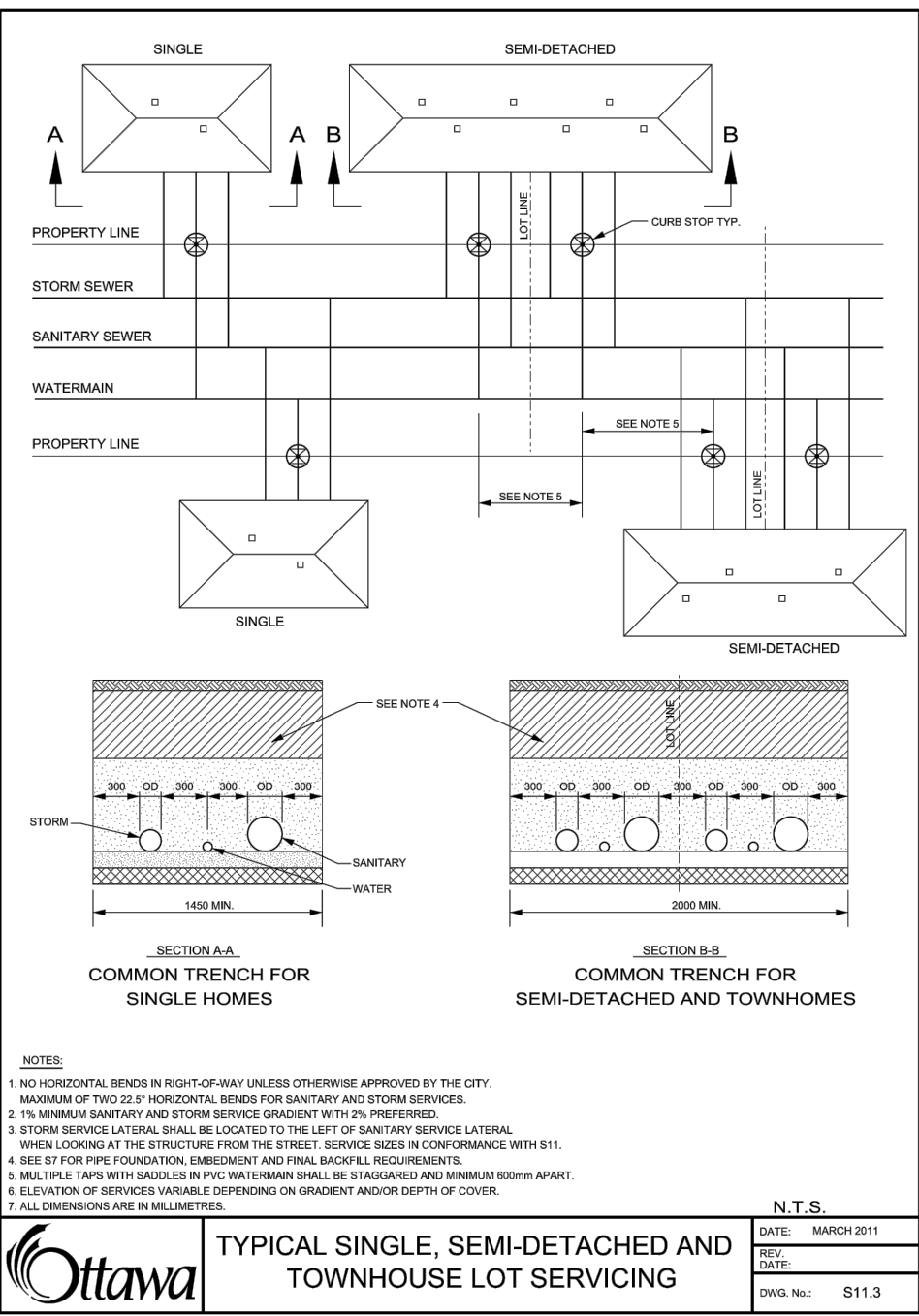
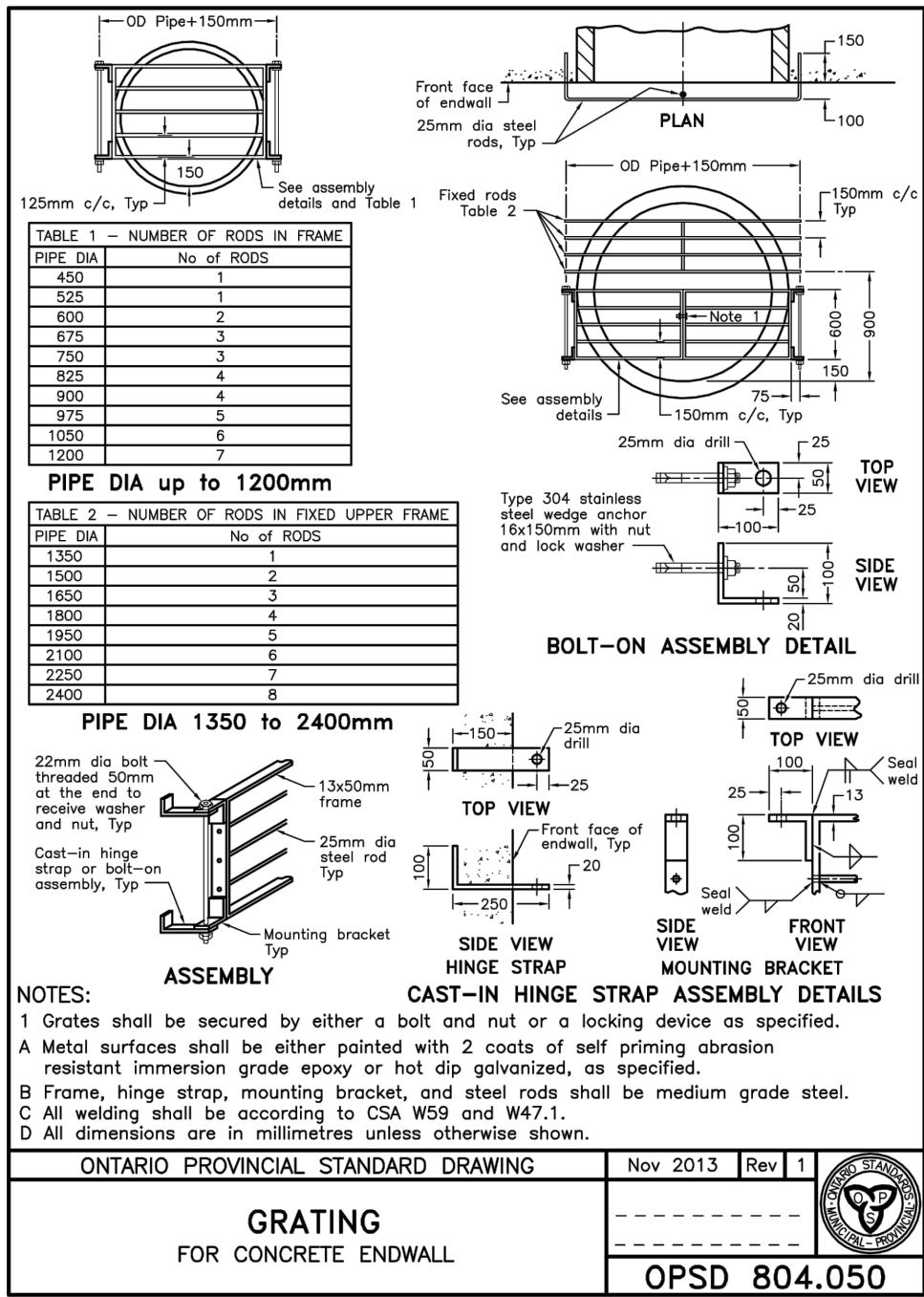
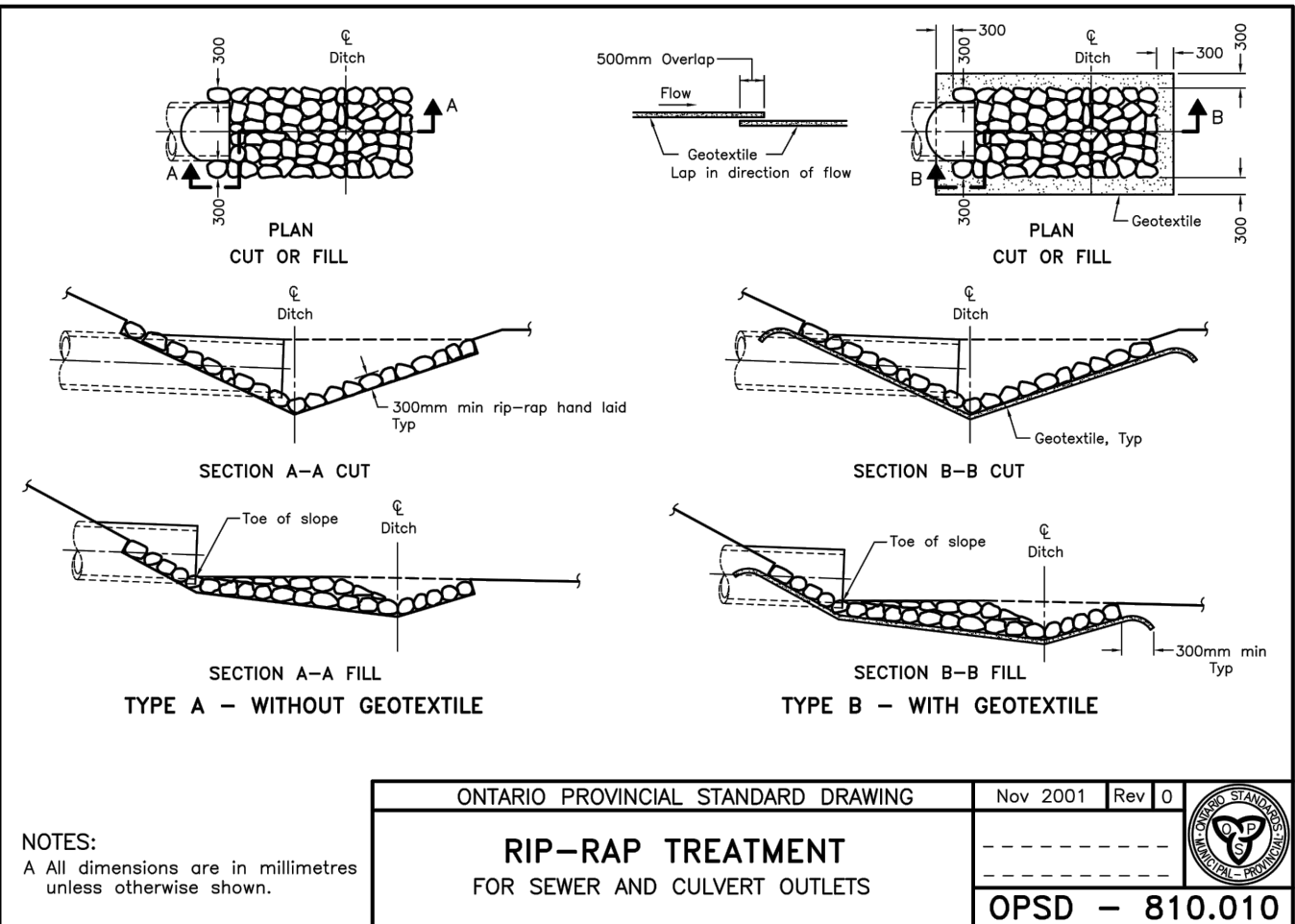
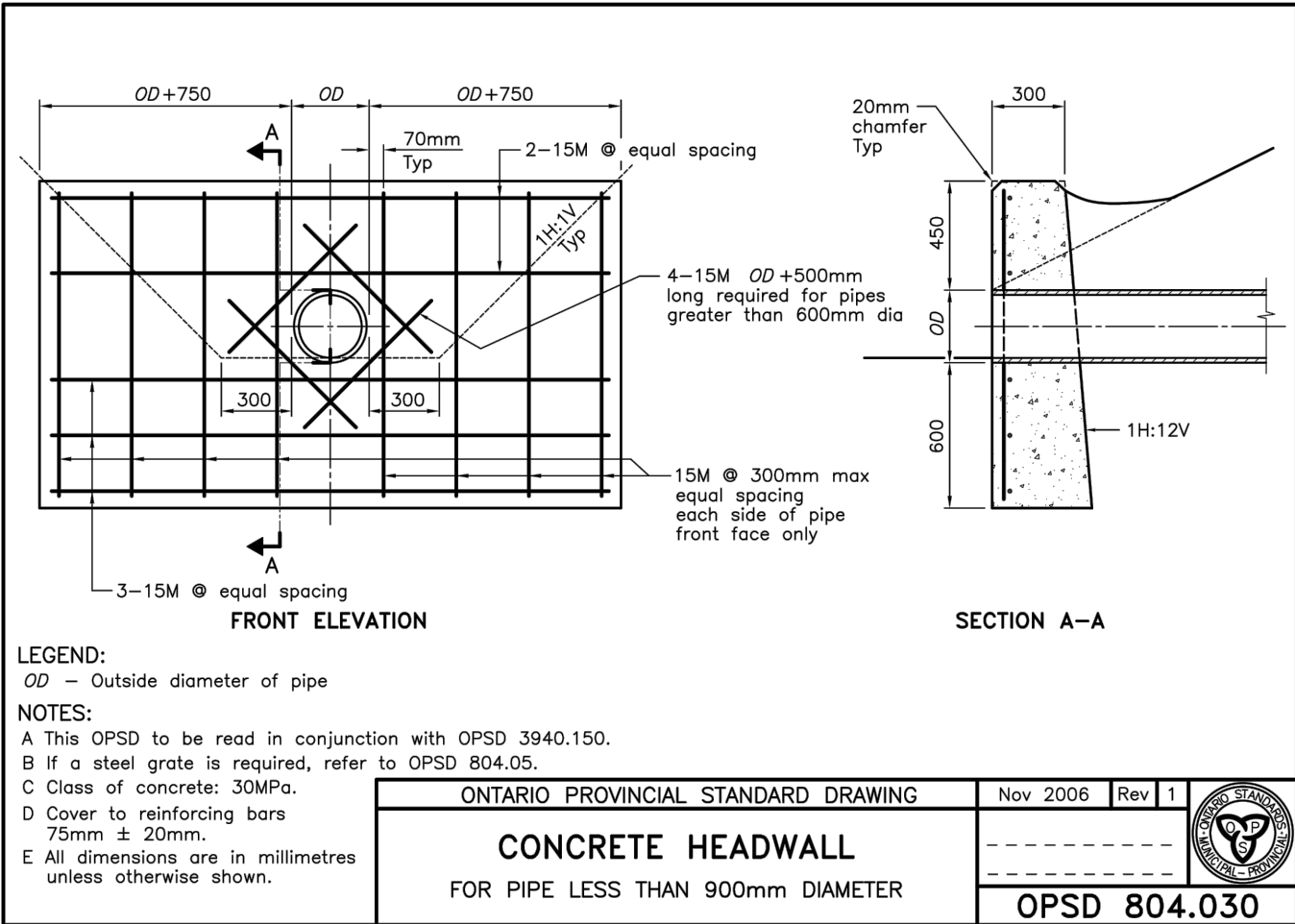
1. SPECIFICATIONS:
- | ITEM   | SPEC No.                 | REFERENCE             |
|--|--------------------------|-----------------------|
| CATCHBASIN (600x600mm)   | 705.010                  | OPSD                  |
| CATCHBASIN MANHOLE, FRAME & COVER (1500x1500mm)                            | S19, 400.020             | CITY OF OTTAWA / OPSD |
| STORM / SANITARY MANHOLE (1200)  | 701.010                  | OPSD                  |
| CB, FRAME & COVER  | S19.1, 400.020           | CITY OF OTTAWA / OPSD |
| STORM / SANITARY MH FRAME & COVER  | 401.010                  | OPSD                  |
| SEWER TRENCH - BEDDING (GRANULAR A)  | S6, S7                   | CITY OF OTTAWA / OPSD |
| COVER (GRANULAR A OR GRANULAR B TYPE I, WITH MAXIMUM PARTICLE SIZE = 25mm) | S6, S7                   | CITY OF OTTAWA / OPSD |
| CATCHBASIN LEAD  | PVC DR 35                |                       |
| STORM SEWER  | PVC DR 35 (UP TO 375mmØ) |                       |
| SANITARY SEWER   | PVC DR 35                |                       |
2. INSULATE ALL PIPES (SAN/STM) THAT HAVE LESS THAN 2.5m COVER FOR SANITARY SEWERS AND 2.0m FOR STORM SEWERS WITH 50mmx1200mm HI-40 INSULATION. PROVIDE 150mm CLEARANCE BETWEEN PIPE AND INSULATION.
3. SERVICE ARE TO BE CONSTRUCTED TO WITHIN 1.0m OF FOUNDATION WALL AND CAPPED, AT A MINIMUM SLOPE OF 1.0% UNLESS OTHERWISE INDICATED.
4. 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.
5. 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.
6. 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 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.
7. ALL CATCHBASINS AND CATCHBASIN MANHOLES ARE TO HAVE 300mm SUMPS UNLESS OTHERWISE INDICATED. STORM SEWER MAINTENANCE HOLES HAVING SEWERS LESS THAN 900mmØ SHALL BE CONSTRUCTED WITH A 300mm SUMP. STORM SEWER MAINTENANCE HOLE HAVING STORM SEWERS 900mmØ AND OVER ARE TO BE BENCHMARKED AS PER OPSD 701.021.
8. CONTRACTOR TO TELEWISE (CCTV) ALL PROPOSED SEWERS, 200mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH, CLEAN AND RE-TELEWISE ALL SEWERS & APPURTENANCES.
9. FULL PORT BACKWATER VALVES ARE REQUIRED ON THE SANITARY SERVICES INSTALLED AS PER THE MANUFACTURERS RECOMMENDATIONS AND A BACKWATER VALVE IS REQUIRED ON THE STORM SERVICES / FOUNDATION DRAINS FOR EACH BUILDING; INSTALLED AS PER STD. DWG S14.
10. WATERTIGHT COVERS TO BE LOCATED WITHIN STORMWATER MANAGEMENT PONDING AREAS. THE FOLLOWING MANHOLES REQUIRE WATERTIGHT COVERS:
- | SANITARY MANHOLES | STORM MANHOLES |
|-------------------|----------------|
| MH 205            | MH 206         |
| MH 207            | MH 208         |
|                   | MH 212         |

WATERMAIN NOTES:

1. SPECIFICATIONS:
- | ITEM                                   | SPEC No.  | REFERENCE      |
|--|---|----------------|
| WATERMAIN TRENCHING                    | W17   | CITY OF OTTAWA |
| THERMAL INSULATION IN SHALLOW TRENCHES | W22   | CITY OF OTTAWA |
| WATERMAIN CROSSINGS BELOW SEWER        | W25   | CITY OF OTTAWA |
| WATERMAIN (200mm)                      | PVC DR 18   |                |
| WATERMAIN (50mm)                       | TYPE K COPPER COMPLETE WITH PRESSURE REDUCING VALVE |                |
| 50mm WATER SERVICE CONNECTIONS         | W33   | CITY OF OTTAWA |
2. SUPPLY AND CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMAINS BY THE CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN AND CHLORINATION OF THE WATER SYSTEM SHALL BE PERFORMED BY CITY OFFICIALS.
3. WATERMAIN SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED.
4. PROVIDE THERMAL INSULATION FOR ALL WATERMAIN WITH LESS THAN 2.4m COVER.
5. PROVIDE THERMAL INSULATION BETWEEN OPEN STRUCTURES AND WATERMAIN WHEN SEPARATION IS LESS THAN 2.4m.
6. PROVIDE MINIMUM 0.50m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS WHEN WATERMAIN IS BELOW AND MINIMUM 0.25m CLEARANCE WHEN WATERMAIN IS ABOVE.
7. WATER SERVICE IS TO BE CONSTRUCTED TO WITHIN 1.0m OF FOUNDATION WALL AND CAPPED, UNLESS OTHERWISE INDICATED.
8. PRESSURE REDUCING VALVES WILL BE REQUIRED FOR ALL BUILDING UNITS (BLOCKS A-F).




UTILITY NOTES:

1. CONTRACTOR TO CONTACT RESPECTIVE UTILITY COMPANIES TO DETERMINE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR TO ASSUME ALL LIABILITY FOR DAMAGE TO EXISTING UTILITIES.
2. EXTEND ENCASED DUCT CROSSINGS 2.5m FROM PROPERTY LINE ON EACH SIDE.
3. CONTRACTOR SHALL EXCAVATE, BACKFILL, AND RESTORE ALL SURFACES TO EXISTING CONDITIONS FOR HYDRO PRIMARY, BELL, AND CABLEVISION CABLES.
4. CONTRACTOR SHALL SUPPLY AND INSTALL ALL DUCT WORK AND TRANSFORMER PAD, SINGLE PHASE TRANSFORMER PAD PER HYDRO OTTAWA DETAIL UCS0003.
5. TEMPORARILY COIL ALL SERVICE WIRES ON A 76mm x 76mm x 2.4m WOODEN POST FOR EACH UNIT WITH ENOUGH CONDUCTOR TO ALLOW FOR COMPLETION OF TRENCHING AND BUILDING CONNECTION.
6. MINIMUM 1.5m CLEARANCE TO BE PROVIDED FROM WATER SERVICES TO ALL PEDESTALS, TRANSFORMER PADS, ROAD DUCT CROSSINGS, AND STREET LIGHTS.
7. MINIMUM 3.0m CLEARANCE TO BE PROVIDED FROM HYDRANT TO ALL ABOVE GROUND STRUCTURES INCLUDING STREETLIGHTS, BELL PEDESTALS, CABLE PEDESTALS, TRANSFORMERS, SECTIONALIZERS, ETC.



LEGEND

- 200mmØ PROPOSED WATERMAIN AND DIAMETER
- V&VB PROPOSED VALVE & VALVE BOX
- CS PROPOSED CURB STOP
- HYD PROPOSED HYDRANT C/W VALVE & LEAD
- T/F=98.45 PROPOSED TOP OF BOTTOM FLANGE
- RED PROPOSED 50mm TO 19mm WATER SERVICE REDUCER
- BEND PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE (SEE PLAN AND PROFILES)
- 100 PROPOSED SANITARY MH & SEWER
- 100 PROPOSED STORM MH & SEWER
- CB 100 PROPOSED HEADWALL
- CBMH 101 PROPOSED ROAD CATCHBASIN
- PROPOSED CATCHBASIN MANHOLE
- DC DIRECTION OF FLOW
- PROPOSED DEPRESSED CURB
- CLAY DYKE AS PER CITY OF OTTAWA DETAIL S8
- 97.32 PROPOSED ELEVATION EXISTING ELEVATION (AS BUILT)
- 97.75(VPI) PROPOSED POINT OF VERTICAL INFLECTION
- 97.75(VPI)P PROPOSED POINT OF VERTICAL INFLECTION (HIGH POINT)
- 97.75(VPI)P PROPOSED POINT OF VERTICAL INFLECTION (LOW POINT)
- 97.75(C/D) PROPOSED CENTRELINE OF DITCH
- 97.75(T/S) PROPOSED TOP OF SLOPE
- 97.75(T/C) PROPOSED TOP OF CURB
- 97.75(T/B) PROPOSED TOP OF NOISE BARRIER
- FF= TOP OF FOUNDATION ELEVATION
- T/F= TOP OF FOOTING ELEVATION
- USF= MINIMUM UNDERSIDE OF FOOTING ELEVATION
- MUSF= PROPOSED TERRACE ELEVATION
- 127.55 MAXIMUM 3:1 SIDESLOPE
- 2.0% PROPOSED CENTRELINE SWALE
- PROPOSED GRADE AND DIRECTION
- MAJOR OVERLAND FLOW ROUTE
- HYD PROPOSED HYDRANT LOCATION
- T/F=127.55 PROPOSED TOP OF BOTTOM FLANGE
- V&VB PROPOSED VALVE AND VALVE BOX
- 419 PROPOSED SANITARY MANHOLE
- 620 PROPOSED STORM MANHOLE
- PROPOSED SERVICE LOCATION (REFER TO DETAIL)
- CMB PROPOSED COMMUNITY MAIL BOX
- PROPOSED STREET LIGHT
- PROPOSED SILT FENCE
- 98.00 PROPOSED PONDING AREA WITH SPILLWAY ELEVATION
- 97.00 EXISTING CONTOUR LINE AND CONTOUR ELEVATION
- 200mmØ WM EXISTING WATERMAIN
- HYD EXISTING HYDRANT C/W VALVE & LEAD
- T/F=97.71 EXISTING TOP OF FLANGE
- MH 101 EXISTING SANITARY MH & SEWER
- MH 102 EXISTING STORM MH & SEWER
- CB 59 EXISTING ROADSIDE CATCH BASIN WITH 3.0m SUBDRAIN IN TWO DIRECTIONS (PARALLEL WITH CURB FACE)
- CB 80 EXISTING ROADSIDE CATCH BASIN WITH INLET CONTROL DEVICE
- EXISTING OVERHEAD HYDRO
- EXISTING FIRE HYDRANT
- 100 EXISTING SANITARY MANHOLE
- 110 EXISTING STORM MANHOLE
- EXISTING VALVE
- HP EXISTING HYDRO POLE
- CB 59 EXISTING ROADSIDE CATCH BASIN WITH 3.0m SUBDRAIN IN TWO DIRECTIONS (PARALLEL WITH CURB FACE)
- CB 80 EXISTING ROADSIDE CATCH BASIN WITH INLET CONTROL DEVICE

NOTE: 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 STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.	 <b>CLARIDGE</b> CONDOS 210 Gladstone Avenue, Suite 2001 Ottawa, Ontario K2P 0Y6 Tel : (613) 233 6030 Fax : (613) 233 8290					SCALE	DESIGN	FOR REVIEW ONLY		 Engineers, Planners & Landscape Architects Suite 200, 240 Michael Cowpland Drive Ottawa, Canada K2M 1P6  Telephone (613) 254-9643 Facsimile (613) 254-5867 Website <a href="http://www.novatech-eng.com">www.novatech-eng.com</a>	CITY OF OTTAWA BLOCK 14 (BRIDLEWOOD TRAILS PHASE 2) 25 OVERBERG WAY		
							JAG/SAZ				PROJECT No:  114013		
						CHECKED	DDB					REV  REV # 5	
						DRAWN	RBG						DRAWING No:  114013-NL
						CHECKED	JAG						
						APPROVED	DDB						
		5.	REVISED AS PER SITE PLAN & CITY OF OTTAWA COMMENTS	JAN 18/19	DDB								
		4.	REVISED AS PER SITE PLAN & CITY OF OTTAWA COMMENTS	SEPT 7/18	DDB								
		3.	REVISED AS PER SITE PLAN & CITY OF OTTAWA COMMENTS	MAY 8/18	DDB								
		2.	REVISED AS PER SITE PLAN & CITY OF OTTAWA COMMENTS	MAY 29/15	JAG								
1.	ISSUED FOR SITE PLAN APPLICATION	SEPT 17/14	JAG										
No.	REVISION	DATE	BY										