

1. ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS AND OPSD SUPPLEMENT. ONTARIO PROVINCIAL STANDARDS WILL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME INCLUDING WATER PERMIT AND ASSOCIATED COSTS.
3. SERVICE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATES FROM ALL UTILITY COMPANIES TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT.
4. CONTRACTOR TO CONFIRM TIE-IN ELEVATIONS TO EXISTING INFRASTRUCTURE PRIOR TO INITIATING CONSTRUCTION AND INFORM THE ENGINEER OF ANY DISCREPANCY FROM THE AS-BUILT INFORMATION REFERENCED ON THE DRAWINGS.
5. ALL DISTURBED AREAS SHALL BE REINSTATEMENT TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE ENGINEER & THE CITY. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 509.010 AND OPSD 310.
6. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATION FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
7. THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENTATION CONTROL PLAN THAT WILL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION FOR RECEIVING FLOW SEWERS OR DRAINAGE DURING CONSTRUCTION ACTIVITIES. THIS PLAN SHALL INCLUDE BUT NOT BE LIMITED TO CATCH BASINS INSERTS, STRAW BALE CHECK DAMS AND SEDIMENT CONTROLS AROUND ALL DISTURBED AREAS. DEWATERING SHALL BE PUMPED INTO SEDIMENT TRAPS.
8. SITE PLAN PREPARED BY URBAN TYPOLOGY, DRAWING SP-1, REV 5, DATED JUNE 24, 2026, PROJECT NAME: NORTHWOODS PHASE 6, OTTAWA, ON, PROJECT NO 25.08.
9. ORIGINAL CONDITIONS TOPOGRAPHIC SURVEY SUPPLIED BY ANNIS, O'SULLIVAN, VOLLEBECK LTD., DATED AUGUST 23, 2022. CURRENT CONDITIONS TOPOGRAPHIC SURVEY SUPPLIED BY J. D. BARNES LIMITED, REFERENCE NO: 24-10-0222-00 DATED APRIL 23, 2024.
10. REFER TO LANDSCAPE ARCHITECTURE PLAN FOR ALL LANDSCAPING FEATURES (i.e. TREES, WALKWAYS, PARK DETAILS, NOISE BARRIERS, FENCES etc.)
11. GEOTECHNICAL REPORT No. PG6009-1 REV 3 PREPARED BY PATERSON GROUP INC., DATED AUGUST 24, 2022. GEOTECHNICAL INFORMATION PRESENTED ON THESE DRAWINGS MAY BE INTERPOLATED FROM THE ORIGINAL REPORT. REFER TO ORIGINAL GEOTECHNICAL REPORT FOR ADDITIONAL DETAILS AND TO VERIFY ASSUMPTIONS MADE HEREIN.
12. STREET LIGHTING BY OTHERS TO CITY OF OTTAWA STANDARDS.
13. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED. DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO ENGINEER.
14. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL BY THE CONTRACT ADMINISTRATOR AND DIRECTOR OF ENGINEERING HAS BEEN OBTAINED.
15. HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE TO BE NOTIFIED IF DEEPLY BURIED ARCHEOLOGICAL REMAINS ARE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES.

16. ALL TOPSOIL AND ORGANIC MATERIAL TO BE STRIPPED FROM WITHIN THE FULL RIGHT OF WAY PRIOR TO CONSTRUCTION.
17. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' TYPE II COMPACTED IN 0.30m LAYERS.
18. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
19. ROAD SUBDRAINS SHALL BE CONSTRUCTED AS PER CITY OF OTTAWA STANDARD R1.
20. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT.
21. CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE IF REQUIRED BY THE MUNICIPALITY. ALL WORK ON THE MUNICIPAL RIGHT OF WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO BACKFILLING.
22. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R10, AND OPSD 509.010, AND OPSD 310.
23. CONCRETE CURBS SHALL BE CONSTRUCTED AS PER CITY STANDARD SC1.1 AND SC1.3 (BARRIER OR MOUNTABLE CURBS AS SHOWN ON DRAWINGS).
24. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED AS PER CITY STANDARDS SC3 AND SC1.4.
25. PAVEMENT CONSTRUCTION AS PER GEOTECHNICAL REPORT PG609-I REV 3 PREPARED BY PATERSON GROUP INC. DATED AUGUST 24, 2022

26. WHERE PROPOSED ASPHALT SURFACE RECOMMENDED ABOVE MEETS THE EXISTING ASPHALT SURFACE, THE FOLLOWING JOINT TRANSITION DETAIL SHOULD BE EMPLOYED.
 - A 300mm WIDE SECTION OF THE EXISTING ASPHALT SHOULD BE SAW CUT FROM THE EXISTING PAVEMENT EDGE TO PROVIDE A SOUND SURFACE TO ABUT THE PROPOSED PAVEMENT STRUCTURE.
 - IT IS RECOMMENDED TO MILL A 300mm WIDE AND 40mm DEEP SECTION OF THE EXISTING ASPHALT AT THE SAW CUT EDGE.

28. THE CONTRACTOR SHALL CONSTRUCT WATERMAIN, WATER SERVICES, CONNECTIONS & APPURTENANCES AS PER CITY OF OTTAWA SPECIFICATIONS & SHALL CO-ORDINATE AND AVOID ALL RELATED COSTS INCLUDING THE COST OF CONNECTION, INSPECTION & DISINFECTION BY CITY PERSONNEL.
29. WATERMAIN PIPE MATERIAL SHALL BE: PVC CL 150 DR18, DEFLECTION OF WATERMAIN PIPE IS NOT TO EXCEED 1/2 OF THAT SPECIFIED BY THE MANUFACTURER. PVC WATERMAINS TO BE INSTALLED WITH TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W36.
30. WATER SERVICES ARE TO BE TYPE K SOFT COPPER AS PER CITY OF OTTAWA STANDARD W26 (UNLESS OTHERWISE NOTED). WATER SERVICE TO EXTEND 1.0M BEYOND PROPERTY LINE. STAND POST TO BE INSTALLED AT PROPERTY LINE.
31. FIRE HYDRANTS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W18 AND W19.
32. WATER VALVES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W24.
33. WATERMAIN TRENCH SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W17 UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL AS PER SECTION 6.4 OF THE GEOTECH REPORT.
34. SERVICE CONNECTIONS SHALL BE INSTALLED A MINIMUM OF 2400mm FROM ANY CATCHBASIN, MANHOLE, OR OBJECT THAT MAY CONTRIBUTE TO FREEZING. THERMAL PROTECTION SHALL BE INSTALLED ON ALL PROPOSED CPS ON THE W/M STREET SIDE WHERE 2400mm SEPARATION CANNOT BE ACHIEVED.(AS PER CITY OF OTTAWA W22 & W23)
35. CATHODIC PROTECTION TO BE SUPPLIED ON METALLIC FITTINGS AS PER CITY OF OTTAWA W40 AND W42.

40. SANITARY SEWERS 375mm DIA. OR SMALLER SHALL BE PVC DR33, SANITARY SEWERS LARGER THAN 375mm SHALL BE CONCRETE CSA A 257.2 CLASS 100D AS PER OPSD 807.010.
41. STORM SEWERS 375mm DIA. OR SMALLER SHALL BE PVC DR35, STORM SEWERS LARGER THAN 375mm DIA. SHALL BE CONCRETE CSA A 257.2 CLASS 100D AS PER OPSD 807.010
42. ALL STORM AND SANITARY SEWER BEDDING SHALL BE INSTALLED AS PER SECTION 6.4 OF THE GEOTECH REPORT.
43. STORM AND SANITARY MANHOLES SHALL BE 1200mm DIAMETER IN ACCORDANCE WITH OPSD-70.01.01 (UNLESS OTHERWISE NOTED) c/w FRAME AND COVER AS PER CITY OF OTTAWA S24, S24.1, AND S25 WHERE APPLICABLE, CATCH BASIN MANHOLE FRAME AND COVERS PER S26 AND S26.1. ALL STORM MANHOLES WITH SEWERS 300mm DIA SEWERS AND OVER IN SIZE SHALL BE BENCHED. ALL OTHER STORM MANHOLES SHALL BE COMPLETED WITH 300mm SUMPS AS PER CITY STANDARDS. SANITARY MANHOLES SHALL NOT HAVE SUMPS.
44. ALL SEWERS CONSTRUCTED WITH GRADES 0.50% OR LESS, TO BE INSTALLED WITH LASER AND CHECKED WITH LEVEL INSTRUMENT PRIOR TO BACKFILLING.
45. FOR STORM SEWER INSTALLATION (EXCLUDING CB LEADS) THE MINIMUM DEPTH OF COVER OVER THE CROWN OF THE SEWER IS 2.0m. FOR SANITARY SEWERS THE MINIMUM DEPTH OF COVER IS 2.5m OVER PIPE OVERT.
46. ALL STORM AND SANITARY SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES.
47. STORM AND SANITARY SERVICE LATERALS TO BE SDR 28 INSTALLED AT MIN. 1.0% SLOPE.
48. CATCH BASINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARDS S1, S2, S3 c/w FRAME AND GRATE AS PER S19, CURB INLET FRAME AND GRATE PER S22 AND S23. CATCH BASIN MANHOLES FRAME AND GRATE AS PER S25 FRAME AND S26.1 COVER. ALL CATCH BASINS SHALL HAVE SUMPS 600mm DEEP. STREET CATCH BASIN LEADS SHALL BE 200mm DIA. (MIN) PVC DR 35 AT 1% GRADE WHERE NOT OTHERWISE SHOWN ON PLAN. CATCH BASINS WILL BE INSTALLED WITH INLET CONTROL DEVICES (ICD) AS PER ICD SCHEDULE ON STORM DRAINAGE PLAN.

50. REAR LOT PERFORATED PIPE TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS S25. REAR LOT STRUCTURES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W30 AND W31.
51. CLAY SEALS TO BE INSTALLED AS PER CITY STANDARD DRAWING S8. THE SEALS SHOULD BE AT LEAST 1.5m LONG (IN THE TRENCH DIRECTION) AND SHOULD EXTEND FROM TRENCH WALL TO TRENCH WALL, GENERALLY, THE SEALS SHOULD EXTEND FROM THE FRONT LINE AND FULLY PENETRATE THE BEDDING, SUBBEDDING AND COVER MATERIAL. THE SEAL SHOULD CONSIST OF RELATIVELY DRY AND COMPACTABLE BROWN SILTY CLAY PLACED IN MAXIMUM 225mm THICK LODES/ LAYERS COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S SPMD. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES AND AT STRATEGIC LOCATIONS AT NO MORE THAN 60m INTERVALS IN THE SERVICE TRENCHES. FOR DETAILS REFER TO GEOTECHNICAL INVESTIGATION .
52. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300 mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA AND COMPACTED TO A MINIMUM OF 98% SPMD.
53. CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE CONSULTANT, FOR SANITARY SEWERS IN ACCORDANCE WITH OPSS 410 AND OPSS 407. CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL STORM AND SANITARY SEWERS. A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW.
54. ANY SEWER ABANDONMENT TO BE CONDUCTED ACCORDING TO CITY OF OTTAWA STANDARD S11.4
55. STORM SEWERS WITH LESS THAN 2.0m COVER AND SANITARY SEWERS WITH LESS THAN 2.5m cover to BE INSULATED IN ACCORDANCE WITH CITY STANDARD S35.

- SPMDD.
57. SUB-EXCAVATE SOFT AREAS & FILL WITH CLEAN IMPORTED GRANULAR FILL SUCH AS OSSF GRANULAR 'A' OR GRANULAR 'B' TYPE II COMPACTED IN 0.30m LAYERS.
58. ALL DISTURBED GRASSED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER, WITH SOD ON MIN. 100mm TOPSOIL. THE RELOCATION OF TREES AND SHRUBS SHALL BE SUBJECT TO APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR ENGINEER.
59. 100 YEAR PONDING DEPTH TO BE 0.30m (MAXIMUM).
60. EMBANKMENTS TO BE SLOPED AT MAX 3:1, UNLESS OTHERWISE SPECIFIED.
61. ALL SWALES TO BE MIN. 0.15m DEEP WITH MIN. 3:1 SIDE SLOPES UNLESS OTHERWISE NOTED. THE MINIMUM LONGITUDINAL SLOPE TO BE 1.5% OR 1.0% WHEN PERFORATED SUBDRAIN IS INSTALLED.
62. ALL ROOF DOWNSPOUTS TO DISCHARGE TO THE GROUND UNTO SPLASH PADS AND SHALL NOT BE DIRECTED TO THE STORM SEWER, OR THE BUILDING FOUNDATION DRAIN.
63. TOP OF GRATE (TIG) ELEVATIONS FOR ALL STREET CATCHBASINS SHOWN ON PLANS. REFER TO THE ELEVATION AT EDGE OF PAVEMENT, OR GUTTERLINE WHERE APPLICABLE.
64. ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT ARE TO BE DESIGNED, APPROVED, AND STAMPED BY STRUCTURAL ENGINEER.
65. FENCES OR RAILINGS ARE REQUIRED FOR RETAINING WALLS GREATER THAN 0.60m IN HEIGHT.
66. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
67. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH CONTRACT ADMINISTRATOR AND THE CITY OF OTTAWA PRIOR TO TREE CUTTING.
68. REFER TO DRAWING EC/D-5 FOR EROSION AND SEDIMENT CONTROL DETAILS.

2. LIMIT THE EXTENT OF EXPOSED SOLIDS AT ANY GIVEN TIME.
3. REVEGETATE EXPOSED AREAS AND SLOPES AS SOON AS POSSIBLE.
4. MINIMIZE AREA TO BE CLEARED AND GRUBBED.
5. PROTECT EXPOSED SLOPES WITH PLASTIC OR SYNTHETIC MULCHES.
6. INSTALL FILTER CLOTH BETWEEN FRAME AND COVER ON ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES AND ON ALL EXISTING CATCH BASINS THAT WILL RECEIVE RUN-OFF FROM THE SITE.
7. A SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF ALL AND ANY STOCKPILES OF MATERIAL TO BE USED OR REMOVED FROM SITE. (LOCATION TO BE DETERMINED)
8. A VISUAL INSPECTION SHALL BE DONE DAILY ON SEDIMENT CONTROL MEASURES AND CLEANED OF ANY ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DEPOSED OFF SITE AS PER THE REQUIREMENTS OF THE CONTRACT
9. SEDIMENT CONTROL BARRIERS MAY ONLY BE REMOVED TEMPORARILY WITH APPROVAL OF CONTRACT ADMINISTRATOR. IN THE EVENT OF THE CONSTRUCTION OPERATIONS, ALL AFFECTED BARRIERS MUST BE REINSTITATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED. NO REMOVAL WILL OCCUR IF THERE IS A SIGNIFICANT RAINFALL EVENT ANTICIPATED (10-mm) UNLESS A NEW DEVICE HAS BEEN INSTALLED TO PROTECT THE EXISTING STORM AND SANITARY SEWER SYSTEMS
10. NO REFUELING OR CLEANING OF EQUIPMENT IS PERMITTED NEAR ANY EXISTING WATERWAY.
11. SEDIMENT CONTROL MEASURES SHALL BE REMOVED WHEN THE CONSTRUCTION OF THE CONTRACT ADMINISTRATOR. THE MEASURES IS NO LONGER REQUIRED. NO CONTROL MEASURES SHALL BE PERMANENTLY REMOVED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR.
12. THE CONTRACTOR SHALL PERIODICALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENTS AS REQUIRED.

	EXISTING GROUND ELEVATIONS
	EXISTING WATERMAN
	EXISTING VALVE AND VALVE BOX
	EXISTING VALVE CHAMBER
	EXISTING REDUCER
	EXISTING FIRE HYDRANT
	EXISTING SANITARY MH AND SEWER
	EXISTING STORM MH AND SEWER
	EXISTING CATCHBASIN MANHOLE
	EXISTING CATCHBASIN
	EXISTING GASMAIN
	EXISTING BELL LINE
	EXISTING ROGERS
	EXISTING OVERHEAD WIRES
	EXISTING UNDERGROUND HYDRO
	DIRECTION OF EXISTING OVERLAND

PROPOSED WATERMAIN
 PROPOSED VALVE AND VALVE BOX
 PROPOSED VALVE CHAMBER
 PROPOSED W3 CHAMBER
 PROPOSED REDUCER
 PROPOSED FIRE HYDRANT
 PROPOSED SANITARY SEWER
 PROPOSED STORM SEWER
 PROPOSED CATCHBASIN MANHOLE
 PROPOSED CATCHBASIN
 PROPOSED C&T AND SUBDRAIN
 EXISTING WATERMAIN
 EXISTING VALVE AND VALVE BOX
 EXISTING VALVE CHAMBER
 EXISTING REDUCER
 EXISTING FIRE HYDRANT
 EXISTING COMBINED SEWER
 EXISTING STORM SEWER
 EXISTING CATCHBASIN MANHOLE
 EXISTING CATCHBASIN
 PROPOSED DEPRESSED CURB LOG
 PROPOSED BARRIER CURB
 THERMAL INSULATION ON STORM
 IS LESS THAN 2.0" AND ON SANITARY
 COVER IS LESS THAN 2.5" AS PER
 WATER METER
 REMOTE WATER METER
 PROPOSED 2H RATED FIRE WALL
 BACK TO BACK TERRACE HOME
 200mm STORM SERVICE PVC SDR 26
 150mm SANITARY SERVICE PVC SDR 26
 19mm PEX TUBING WATER SERVICE C/1
 AND SERVICE POST
 BACK TO BACK TERRACE HOME SERVICE

R100A

0.31 **50**

G100A

0.11 **INFL**

SANITARY DRAINAGE AREA

POPULATION COUNT

SANITARY DRAINAGE AREA

SANITARY DRAINAGE AREA

INFILTRATION RATE OF 0.33

SANITARY DRAINAGE AREA

PROPOSED SANITARY MH

EXISTING SANITARY MH AN THERMAL INSULATION ON WHERE COVER IS LESS THAN 12 INCHES

	PROPOSED SILT FENCE BOUNDARY AND
	PROPOSED CATCH BASIN PROTECTION TERRAFIX SILTSACK DETAIL
	PROPOSED MUD MAT LOCATION
	PROPOSED VALVE BOX
	PROPOSED VALVE CHAMBER
	PROPOSED FIRE HYDRANT
	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED STORM SEWER MANHOLE
	PROPOSED CATCH BASIN

99.99
 98.88
 99.99
 2.0%
 FFE=100.00
 USF=97.00
 (E.F.)
 TERRACING 3:1 SLOPE MAXIMUM (UNLESS OTHERWISE SHOWN)
 DIRECTION OF EMERGENCY OVERLAND FLOW
 PROPOSED VALVE BOX
 PROPOSED VALVE CHAMBER
 PROPOSED FIRE HYDRANT
 PROPOSED SANITARY SEWER MANHOLE
 PROPOSED STORM SEWER MANHOLE
 PROPOSED CATCHBASIN MANHOLE
 PROPOSED CATCHBASIN
 PROPOSED CB T
 PROPOSED DEPRESSED CURB LOCATION
 PROPOSED BARRIER CURB
 PROPOSED HIGH DUTY ASPHALT
 OVERLAND SPILL LOCATION
 TWIS LOCATION AS PER CITY STD
 PROPOSED 2H RATED FIRE WALL LOCATION

L101A

- AREA ID
- RUNOFF COEFFICIENT
- STORM DRAINAGE AREA ha.
- STORM DRAINAGE BOUNDARY

EXT-1

- AREA ID
- EXTERNAL RUNOFF COEFFICIENT
- EXTERNAL STORM DRAINAGE AREA ha.
- EXTERNAL STORM DRAINAGE BOUNDARY

DIRECTION OF EMERGENCY OVERLAND FLOW

PROPOSED STORM MH AND SEWER

PROPOSED CATCHBASIN MANHOLE

PROPOSED CATCHBASIN

PROPOSED C&B AND SUBDRAIN

EXISTING STORM MH AND SEWER

EXISTING CATCHBASIN

EXISTING STORM MH AND SEWER

THERMAL INSULATION ON STORM SEWER COVER IS LESS THAN 2.0m AS PER S35.

MAXIMUM STATIC PONDING LIMITS

	EXISTING WATERMAIN
	EXISTING VALVE AND VALVE BOX
	EXISTING FIRE HYDRANT
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING CATCHBASIN
	EXISTING SUBDIVISION TREE
	EXISTING SUBDIVISION STREETLIGHT
	EXISTING 4-PARTY SUBDIVISION JUT
	GAS MAIN ONLY TRENCH
	JOINT USE UTILITY TRENCH INCLUDING HYDRO TELECOMMUNICATIONS TRENCH ONLY STREETLIGHT ONLY TRENCH
	HYDRO TRANSFORMER/SWITCHGEAR
	CONCRETE ENCASED DUCT BANK
	PRIVATE-HYDRO SUB-STATION
	4 MODULE & 6 MODULE COMMUNITY METER
	ROGERS VAULT / PEDESTAL
	BELL GRADE LEVEL BOX
	BELL PEDESTAL
	PROPOSED LIGHT STANDARD
	PROPOSED TREE & SHRUBS (REFER TO LANDSCAPE PLAN FOR DETAILS)
	HYDRO METER LOCATION
	GAS METER LOCATION

Permit-Seal

Title

NOTES AND LEGENDS PLAN

NL-1 1 of 7 4
PLAN # 19393