

| Legend  |                             |
|---------|-----------------------------|
| x 85.59 | PROPOSED ELEVATION          |
| ○ 85.59 | EXISTING ELEVATION          |
| 1.0%    | PROPOSED GRADE              |
| 1.0%    | PROPOSED GRADE              |
| →       | MAJOR OVERLAND FLOW ROUTE   |
| ▨       | HEAVY DUTY ASPHALT          |
| —       | PHASING LIMITS              |
| ○       | PROPOSED STORM MANHOLE      |
| ●       | PROPOSED CATCHBASIN MANHOLE |
| □       | PROPOSED CATCHBASIN         |
| ⊗       | PROPOSED VALVE BOX          |
| ●       | PROPOSED SANITARY MANHOLE   |
| —       | FUTURE CURB                 |

Notes

GENERAL NOTES

- ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- ALL WORK AND MATERIALS TO CONFORM WITH CURRENT MINISTRY OF THE ENVIRONMENT & ENERGY OF ONTARIO, CITY OF OTTAWA AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS. LOCAL UTILITY STANDARDS AND MINISTRY OF TRANSPORTATION STANDARDS WILL APPLY WHERE REQUIRED.
- THE CONTRACTOR IS ADVISED THAT WORKS BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND COORDINATION WITH ALL OTHER CONTRACTORS AND PREVENT CONSTRUCTION CONFLICTS.
- THE INFORMATION SHOWN FOR EXISTING UTILITIES WAS PROVIDED BY OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE LOCATED AND VERIFIED BY EACH UTILITY PRIOR TO COMMENCEMENT OF WORK. ANY VARIANCE IS TO BE IMMEDIATELY REPORTED TO THE ENGINEER. LOST TIME DUE TO FAILURE OF THE CONTRACTOR TO CONFIRM UTILITY LOCATIONS AND NOTIFY THE ENGINEER OF POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTORS EXPENSE.
- ALL CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE GEOTECHNICAL REPORT.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND TO BEAR THE COST OF SAME INCLUDING WATER PERMIT AND ASSOCIATED COSTS.
- ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION THE ENGINEER AND THE CITY. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 509.010 AND OPSD 310.
- FOR DETAILS RELATING TO STORMWATER MANAGEMENT AND ROOF DRAINAGE, SEE THE STORMWATER MANAGEMENT REPORT PREPARED BY STANTIC CONSULTING LTD. ROOF DRAINAGE TO BE PROVIDED VIA RESTRICTED RELEASE ROOF DRAINS AS DETAILED IN THE REPORT.
- BENCHMARKS: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE SITE BENCHMARK(S) HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION SHOWN ON DRAWING GP-1.
- THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER 1 (ONE) SET OF AS CONSTRUCTED SITE SERVING, GRADING, AND SITE ELECTRICAL DWGS.

| Rev        | Issued For               | By   | App'd | Date     |
|------------|--------------------------|------|-------|----------|
| 1          | ISSUED FOR SPA           | MJS  | PM    | 14.02.18 |
| Revision   |                          |      |       |          |
| File Name: | 160400812C FB-JIFFY LUBE | MJS  | PM    | MJS      |
|            |                          | Dwn. | Chkd. | Dgn.     |
|            |                          |      |       | 14.02.12 |
|            |                          |      |       | YY/MM/DD |

Permit-Seal

Client/Project

KANATA SOUTH  
COMMERCIAL DEVELOPMENT

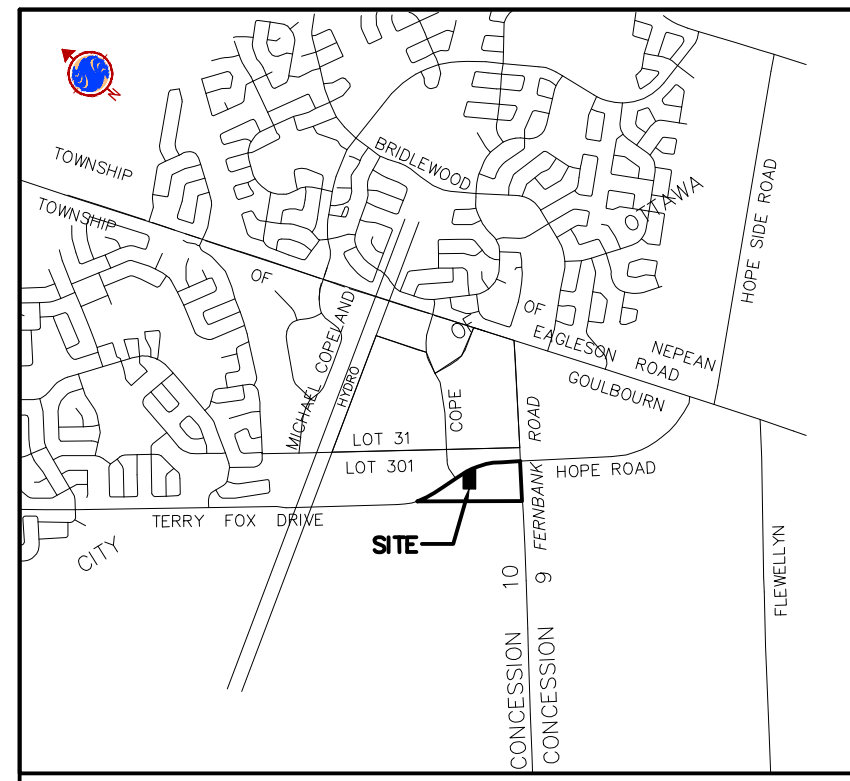
FERNBANK & TERRY FOX  
JIFFY LUBE

Ottawa, ON, Canada

Title

GRADING PLAN

|             |        |            |
|-------------|--------|------------|
| Project No. | Scale  | 0 4 12 20m |
| 160400838   | 1:400  |            |
| Drawing No. | Sheet  | Revision   |
| GP-1        | 2 of 5 | 1          |



SITE GRADING

- ALL GRANULAR BASE & SUB BASE COURSE MATERIALS SHALL BE COMPACTED TO 100% STANDARD PROCTOR MAX. DRY DENSITY.
- 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.
- PAVEMENT CONSTRUCTION AS PER PERSONSGROUP REPORT # PG2263-1 DATED JULY 13, 2011  
 PROPOSED FIRE/TRUCK ACCESS ROUTE PAVEMENT STRUCTURE  
 40mm HL3 or Superpave 12.5 ASPHALTIC CONCRETE WEAR COURSE  
 50mm HL8 or Superpave 19.0 ASPHALTIC CONCRETE BASE COURSE  
 150mm BASE COURSE OPSS GRAN."A"  
 400mm SUB BASE OPSS GRAN."B" TYPE II  
 PROPOSED PARKING LOT PAVEMENT STRUCTURE  
 50mm HL3 or Superpave 12.5 ASPHALTIC CONCRETE WEAR COURSE  
 150mm BASE COURSE OPSS GRAN."A"  
 300mm SUB BASE OPSS GRAN."B" TYPE II
- ALL BARRIER CURBS, CONCRETE ISLANDS AND SIDEWALKS SHOWN ON THIS DRAWING ARE TO BE PRICED IN THE SITEWORKS PORTION OF THE CONTRACT. ALL BARRIER CURBS AND SIDEWALKS TO BE CONSTRUCTED PER CITY OF OTTAWA STANDARD DRAWING S11 AND S12.
- INSPECTIONS: ALL WORK ON THE MUNICIPAL RIGHT OF WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO BACKFILLING. ALL WORK RELATING TO WATERMANS AND SEWERS TO BE INSPECTED BY THE MUNICIPALITY WHEN REQUIRED.
- REFER TO ARCHITECTURAL SITE PLAN FOR DIMENSIONS AND SITE DETAILS.
- STEP JOINTS ARE TO BE USED WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT AS PER DETAIL DS-2. ALL JOINTS MUST BE SEALED AS PER DETAIL.
- CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE IF REQUIRED BY THE MUNICIPALITY.
- PARKING AREA PONDING DEPTH TO BE 0.30m (MAXIMUM).
- EMBANKMENTS TO BE SLOPED AT MIN. 3:1, UNLESS OTHERWISE SPECIFIED.
- REFER TO DRAWING D1/EC FOR EROSION AND SEDIMENT CONTROL.
- ALL PAVEMENT MARKING, LINE PAINTING, DIRECTIONAL LINES/ARROWS ETC. SHALL BE PLACED IN ACCORDANCE WITH THE ARCHITECTURAL SITE PLAN OR THE OWNER'S TRAFFIC ENGINEERING CONSULTANT'S DRAWINGS. LINE PAINTING AND DIRECTIONAL SYMBOLS SHALL BE APPLIED WITH A MINIMUM OF TWO COATS OF ORGANIC SOLVENT BASED PAINT.
- THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER 1 (ONE) SET OF AS CONSTRUCTED SITE SERVING, GRADING, AND SITE ELECTRICAL DWGS.
- SITE SIGNAGE TO BE INSTALLED AS PER ARCHITECTURAL SITE PLAN.
- SIDEWALKS TO BE 5mm BELOW THE FINISH FLOOR SLAB ELEVATION AT ENTRANCES.
- ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH ARCHITECT AND THE CITY OF OTTAWA PRIOR TO TREE CUTTING.
- SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR "B" COMPACTED IN 0.15m LAYERS.
- FOR ALL LANDSCAPING FEATURES (i.e. TREES, WALKWAYS, PARK DETAILS, NOISE BARRIERS, FENCES etc.) REFER TO LANDSCAPE ARCHITECT PLAN.
- ROUGH GRADING FOR LANDSCAPED ISLANDS TO BE LEFT 150mm BELOW CURB AND COMPACTED TO 95%.
- WHERE APPLICABLE THE CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR RETAINING WALLS (INCLUDE RAILINGS IF APPLICABLE) TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. SHOP DRAWINGS MUST BE SITE SPECIFIC, SIGNED AND SEALED BY A LICENSED STRUCTURAL ENGINEER. THE CONTRACTOR WILL ALSO BE REQUIRED TO SUPPLY STRUCTURAL AND GEOTECHNICAL CERTIFICATION OF THE AS-CONSTRUCTED RETAINING WALL TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.

