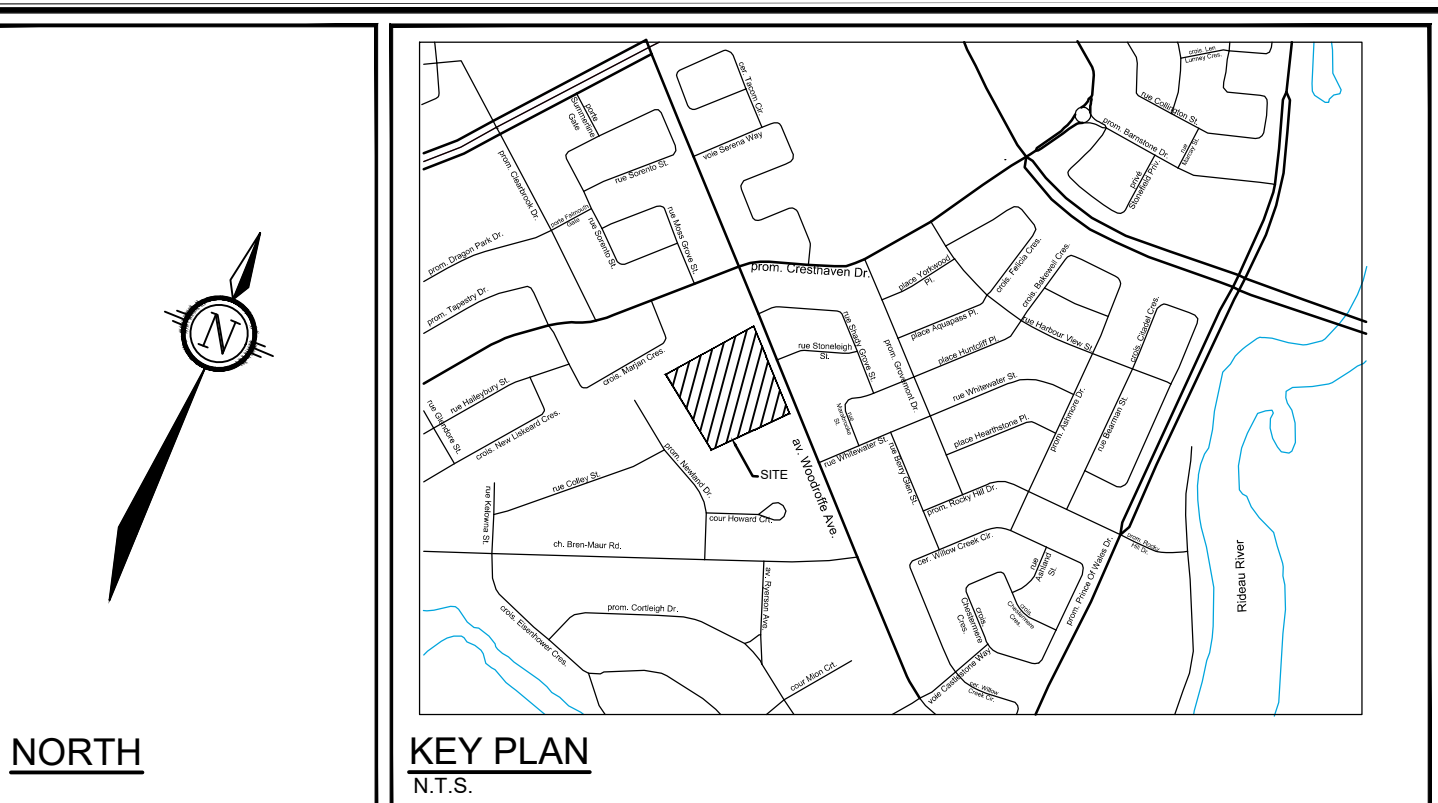
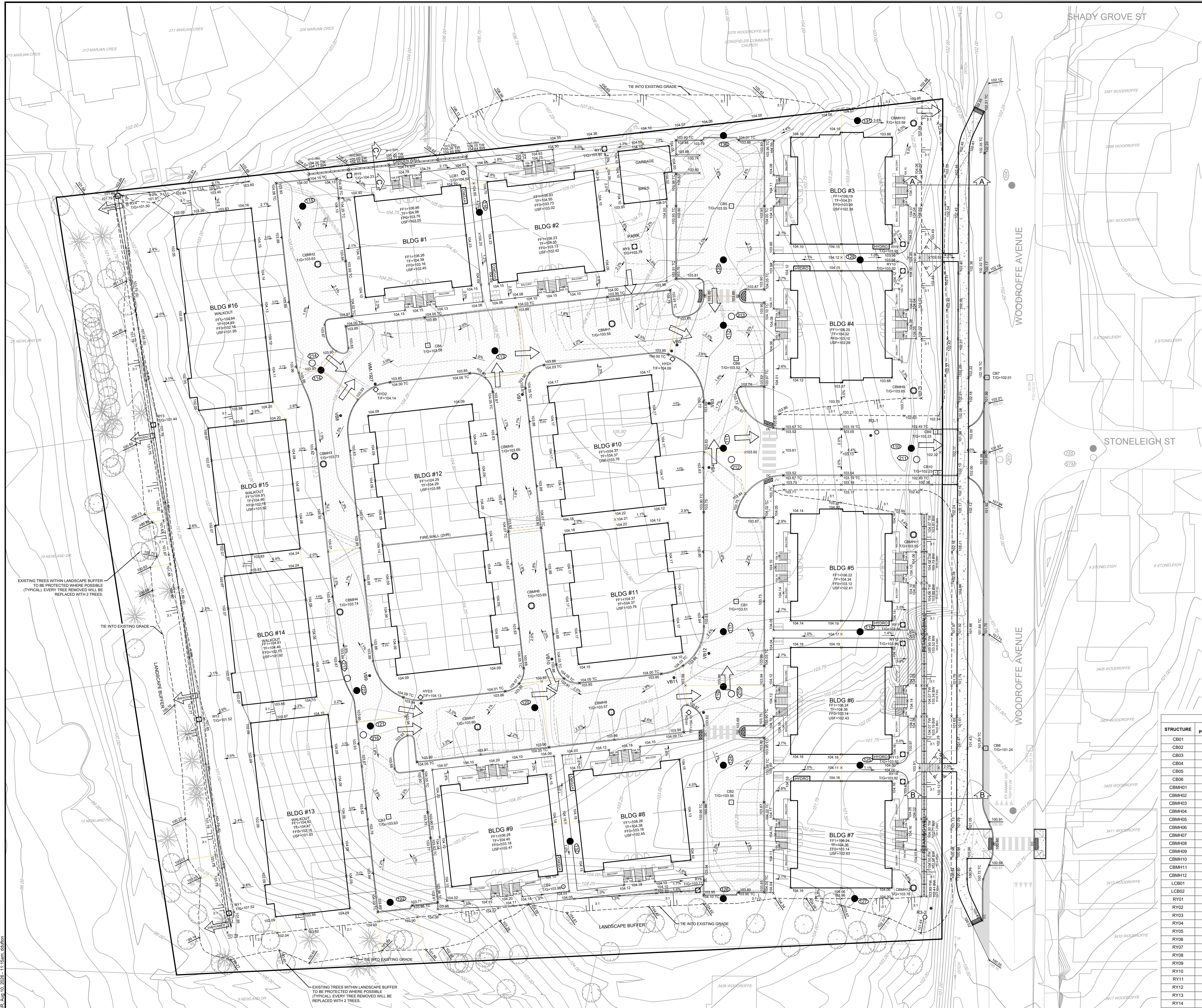
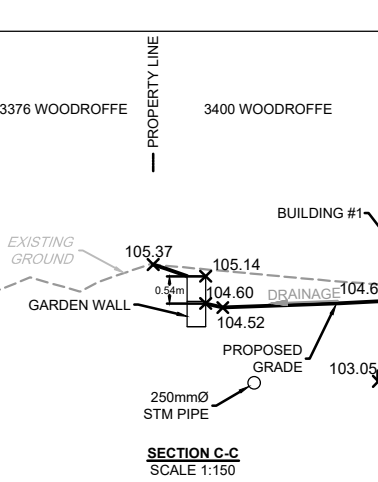
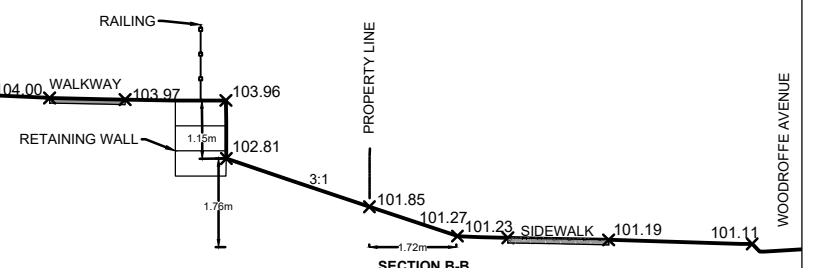
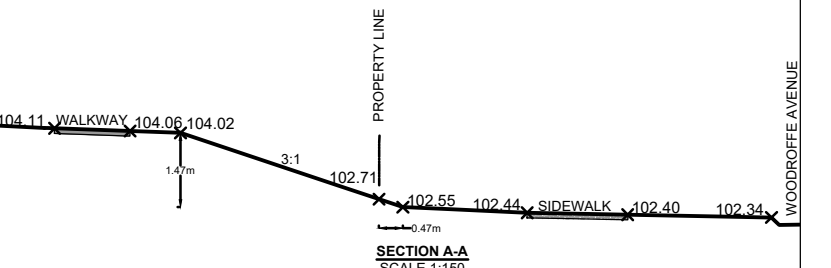




- LEGEND**
- PROPOSED GRADE AND DIRECTION OF FLOW
  - PROPOSED ELEVATION
  - PROPOSED ELEVATION EXISTING ELEVATION
  - EXISTING ELEVATION
  - TERRACING (3:1 MAX)
  - PROPOSED RETAINING WALL
  - MAJOR OVERLAND FLOW DIRECTION
  - EMERGENCY FLOW DIRECTION
  - EXISTING CONTOUR AND ELEVATION
  - PROPOSED SANITARY MANHOLE
  - PROPOSED STORM MANHOLE
  - PROPOSED CATCHBASIN
  - RY1
  - VB
  - HYD
  - FF1
  - FF
  - FF0
  - USF
  - TW
  - BW
  - MAX STATIC PONDING LIMITS
  - 100-YR PONDING LIMITS
  - 100-YR +20% PONDING LIMITS

**PAVEMENT STRUCTURE:**  
40mm ASPHALT SP12.5  
50mm ASPHALT SP19.0  
150mm GRAN "A"  
450mm GRAN "B" TYPE II  
TOTAL DEPTH



| STRUCTURE | 100 YEAR PONDING ELEVATION | 100 YEAR PONDING DEPTH (m) | PONDING                         |                                 | MAX STATIC PONDING ELEVATION | MAX STATIC PONDING DEPTH (m) |
|-----------|----------------------------|----------------------------|---------------------------------|---------------------------------|------------------------------|------------------------------|
|           |                            |                            | 100 YEAR +20% PONDING ELEVATION | 100 YEAR +20% PONDING DEPTH (m) |                              |                              |
| CB01      | 103.79                     | 0.26                       | 103.84                          | 0.32                            | 103.86                       | 0.30                         |
| CB02      | 103.80                     | 0.24                       | 103.87                          | 0.30                            | 103.88                       | 0.30                         |
| CB03      | 103.83                     | 0.20                       | 103.87                          | 0.24                            | 103.88                       | 0.30                         |
| CB04      | 103.73                     | 0.18                       | 103.87                          | 0.32                            | 103.88                       | 0.33                         |
| CB05      | 103.76                     | 0.21                       | 103.81                          | 0.26                            | 103.85                       | 0.33                         |
| CB06      | 103.69                     | 0.17                       | 103.77                          | 0.25                            | 103.82                       | 0.30                         |
| CBMH01    | 103.72                     | 0.17                       | 103.76                          | 0.21                            | 103.85                       | 0.30                         |
| CBMH02    | 103.92                     | 0.29                       | 103.94                          | 0.31                            | 103.93                       | 0.30                         |
| CBMH03    | 103.94                     | 0.21                       | 103.95                          | 0.22                            | 103.93                       | 0.20                         |
| CBMH04    | 103.95                     | 0.21                       | 103.96                          | 0.22                            | 103.94                       | 0.20                         |
| CBMH05    | 103.87                     | 0.22                       | 103.91                          | 0.28                            | 103.90                       | 0.25                         |
| CBMH06    | 103.91                     | 0.26                       | 103.93                          | 0.28                            | 103.91                       | 0.26                         |
| CBMH07    | 103.79                     | 0.19                       | 103.87                          | 0.27                            | 103.90                       | 0.30                         |
| CBMH08    | 103.76                     | 0.19                       | 103.85                          | 0.28                            | 103.87                       | 0.30                         |
| CBMH09    | 103.31                     | 0.00                       | 103.62                          | 0.00                            | 103.73                       | 0.08                         |
| CBMH10    | 103.31                     | 0.00                       | 103.62                          | 0.12                            | 103.58                       | 0.04                         |
| CBMH11    | 103.73                     | 0.00                       | 103.91                          | 0.00                            | 103.99                       | 0.04                         |
| CBMH12    | 103.73                     | 0.00                       | 103.90                          | 0.12                            | 103.83                       | 0.05                         |
| LCB01     | 103.92                     | 0.06                       | 103.95                          | 0.09                            | 103.94                       | 0.08                         |
| LCB02     | 103.80                     | 0.00                       | 103.86                          | 0.00                            | 104.05                       | 0.07                         |
| RY01      | 101.73                     | 0.21                       | 101.81                          | 0.29                            | 101.79                       | 0.27                         |
| RY02      | 101.73                     | 0.21                       | 101.81                          | 0.29                            | 101.77                       | 0.25                         |
| RY03      | 101.73                     | 0.29                       | 101.77                          | 0.33                            | 101.75                       | 0.31                         |
| RY04      | 101.73                     | 0.23                       | 101.77                          | 0.27                            | 101.72                       | 0.22                         |
| RY05      | 103.92                     | 0.06                       | 103.95                          | 0.09                            | 103.95                       | 0.09                         |
| RY06      | 103.80                     | 0.08                       | 103.86                          | 0.14                            | 103.96                       | 0.24                         |
| RY07      | 103.92                     | 0.10                       | 103.95                          | 0.13                            | 103.95                       | 0.13                         |
| RY08      | 103.82                     | 0.03                       | 103.87                          | 0.08                            | 103.94                       | 0.15                         |
| RY09      | 103.31                     | 0.00                       | 103.62                          | 0.00                            | 104.00                       | 0.05                         |
| RY10      | 103.31                     | 0.00                       | 103.62                          | 0.00                            | 103.97                       | 0.05                         |
| RY11      | 103.73                     | 0.00                       | 103.90                          | 0.00                            | 103.99                       | 0.05                         |
| RY12      | 103.73                     | 0.00                       | 103.90                          | 0.00                            | 104.01                       | 0.05                         |
| RY13      | 103.73                     | 0.00                       | 103.90                          | 0.00                            | 103.97                       | 0.05                         |
| RY14      | 103.73                     | 0.00                       | 103.90                          | 0.00                            | 103.97                       | 0.05                         |

NOTE:  
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, 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.

LEGAL INFORMATION:  
PLAN OF SURVEY OF PART OF LOT 12, CONCESSION 2 (RIDEAU FRONT), GEOGRAPHIC TOWNSHIP OF NEPEAN, REGISTERED PLAN 4R-37128 CITY OF OTTAWA PREPARED BY ANNIS, D'SULLIVAN, VOLLEBECK LTD, SEPTEMBER 29, 2023.

TOPOGRAPHIC INFORMATION:  
HORIZONTAL DATUM: NAD 83 (ORIGINAL)  
VERTICAL DATUM: CGVD 2878

PHOENIX HOMES  
18A BENTLEY AVE  
OTTAWA, ON, K2E 6T8

SCALE  
1:300

FOR REVIEW ONLY  
L.R. WILSON  
M.A. BISSETT

NOVATECH  
Engineers, Planners & Landscape Architects  
Suite 200, 240 Michael Cowland Drive  
Ottawa, Ontario, Canada K2M 1P6  
(613) 254-9643  
(613) 254-5867  
www.novatech-eng.com

CITY OF OTTAWA  
3400 WOODROFFE AVENUE - WILLOW COURT

GRADING PLAN

PROJECT NO: 124147  
REV: 5  
DRAWING NO: 124147-GR

124147-GR-01-2023-11-15-11:55am d6100

D07-12-25-0158 & D02-02-25-0090

PLAN #19422