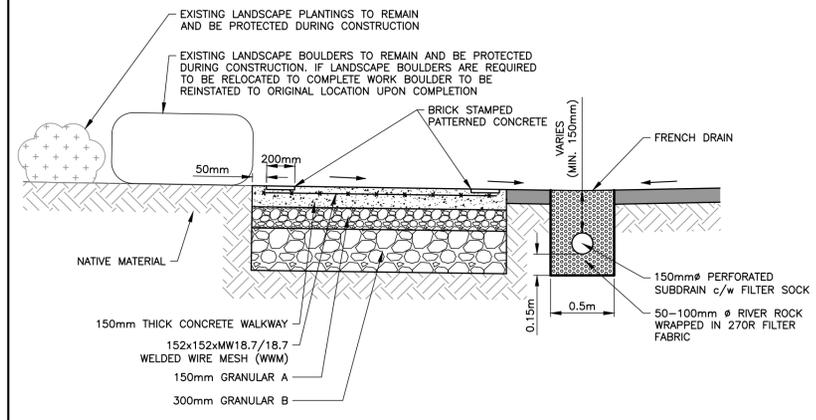
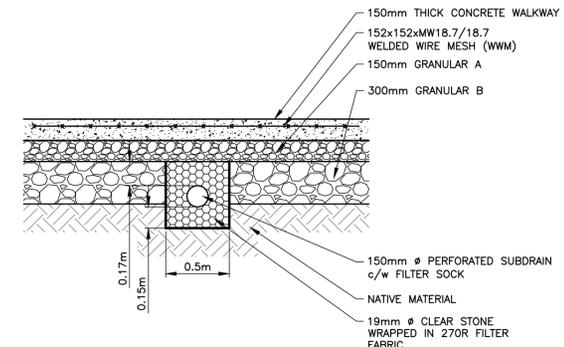


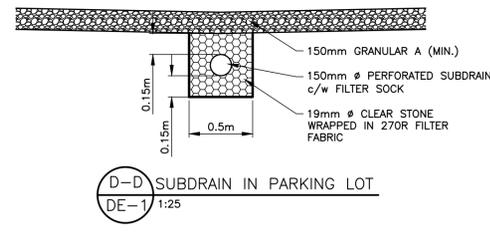
**A-A**  
DE-1  
PROPOSED CONCRETE WALKWAY  
CROSS SECTION (TYP.)  
1:25



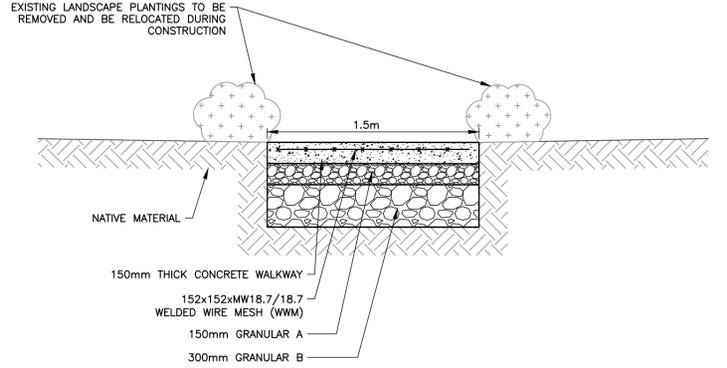
**B-B**  
DE-1  
WALKWAY CROSS SECTION c/w FRENCH DRAIN  
1:25



**C-C**  
DE-1  
SUBDRAIN UNDER WALKWAY  
1:25



**D-D**  
DE-1  
SUBDRAIN IN PARKING LOT  
1:25



**E-E**  
DE-1  
WALKWAY CROSS SECTION  
1:25

**GENERAL - CONSTRUCTION**

- ALL DIMENSIONS ARE IN METRES (m) OR MILLIMETRES (mm) UNLESS SPECIFIED OTHERWISE.
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH OCCUPATIONAL HEALTH AND SAFETY ACT.
- ALL WORK SHALL BE IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS (OPSS & OPSD).
- THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT. THE CONTRACTOR SHALL PROTECT SURVEY MONUMENTS AND BENCHMARKS ENCOUNTERED DURING THE WORK. ALL SURVEY MONUMENTS AND BENCHMARKS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY AN ONTARIO LAND SURVEYOR, AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS REQUIRED TO CONFIRM EXISTING GRADES AND REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS/EGRESS TO ALL PRIVATE AND PUBLIC PROPERTY AT ALL TIMES. ALL BUSINESS ENTRANCE PATHWAYS DISTURBED DURING CONSTRUCTION SHALL BE REINSTATED TO EXISTING CONDITION OR BETTER IN A TIMELY MANNER OR TEMPORARY PATHWAY PROVIDED AND MAINTAIN UNTIL PATHWAY IS REINSTATED.
- ANY EXISTING LANDSCAPING FEATURES (I.E. BENCHES, BOULDERS, ETC.) DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE REINSTATED OR REPLACED TO EXISTING CONDITION OR BETTER AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- EXISTING TREES AND PLANTINGS TO BE PROTECTED DURING CONSTRUCTION. TREES AND PLANTINGS DAMAGED DUE TO CONSTRUCTION ACTIVITIES TO BE REPLACED TO MATCH SPECIES AND MATURITY OF EXISTING.
- THE CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER AND/OR CALCIUM CHLORIDE AS REQUIRED FOR COMPACTION AND/OR DUST CONTROL.
- THE CONTRACTOR SHALL MAKE THEIR OWN ARRANGEMENTS FOR THE SUPPLY OF TEMPORARY POWER.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AS-BUILT INFORMATION AND DRAWINGS. THE DRAWINGS AND INFORMATION SHALL INCLUDE THE FOLLOWING:
  - A CLEAN SET OF "APPROVED FOR CONSTRUCTION" DRAWINGS WITH RED LINE REVISIONS SHOWING THE AS-BUILT INFORMATION;
  - DRAWINGS SHALL BE SIGNED BY THE AUTHOR;
  - SWING TIES SHALL BE AT LEAST TWO MEASUREMENTS FROM PERMANENT SURFACE ELEMENTS WITH A MINIMUM HEIGHT OF 1.5m ABOVE FINISHED GRADES.
- DISTURBED AREAS TO BE REINSTATED TO ORIGINAL CONDITION OR BETTER AS DETERMINED BY THE CONTRACT ADMINISTRATOR.
- CONTRACTOR TO SUBMIT CONCRETE MIX DESIGNS TO CONTRACT ADMINISTRATOR FOR REVIEW MINIMUM 2 WEEKS PRIOR TO PLACEMENT.

**REMOVALS**

- ALL UNIT PAVER STONE WALKWAYS TO BE REMOVED AND DISPOSED OFF SITE AT A FACILITY LICENSED TO ACCEPT THE WASTE.
- ALL EXISTING WALKWAY UNDERLYING GRANULARS TO BE EXCAVATED TO PROPOSED SUBGRADE ELEVATION AND DISPOSED OF OFF SITE IN ACCORDANCE WITH CURRENT MECP EXCESS SOIL MANAGEMENT REGULATIONS.
- ALL TOPSOIL REMOVED DURING EXCAVATION AND GRADING OPERATIONS SHALL BE DISPOSED OF OFF SITE AT A FACILITY LICENSED TO ACCEPT THE WASTE.
- TIMBER BENCHES IN THE EXISTING GAZEBO TO BE REMOVED AND DISPOSED OF OFF SITE.

**WALKWAY**

- REMOVED SIGNS TO BE REINSTATED IN THE SAME LOCATIONS OR AS DIRECTED BY CONTRACT ADMINISTRATOR.
- GENERAL AGGREGATES TO OPSS 1001.
- GRANULAR 'A' AND GRANULAR 'B' TYPE II TO OPSS 1010.
- GRANULAR SUBBASE AND BASE MATERIAL COMPACTING TO OPSS 501.
- SUBGRADE TO BE COMPACTED TO AT LEAST 98% OF THE MATERIAL'S SPMD.
- REINFORCEMENT SHALL BE 152x152xMM18.7/18.7 WELDED WIRE MESH (WWM) UNLESS OTHERWISE NOTED. ALL WWM SHALL CONFORM TO CSA G30.3 AND G30.5. ALL WWM SHALL BE SUPPLIED IN FLAT SHEETS ONLY. WWM SHALL BE POSITIONED WITHIN THE TOP THIRD OF THE WALKWAY DEPTH MAINTAINING A COVER OF 50mm FROM THE TOP.
- DECORATIVE CONCRETE SIDEWALK TO BE 32 MPA C-2 CONCRETE 150mm THICK AND CONSTRUCTED AS PER OPSD'S 310.010 AND 310.040.
- SUBDRAIN CONNECTION TO CATCH BASIN TO OPSD 216.021.
- EXISTING CONCRETE AND TIMBER BENCHES IN EXISTING WALKWAY AREA TO BE REMOVED, STORED ONSITE AND REINSTATED AFTER COMPLETION OF WALKWAY IN ORIGINAL LOCATIONS OR AS DIRECTED BY TOWNSHIP AND/OR CONTRACT ADMINISTRATOR.

**MATERIALS**

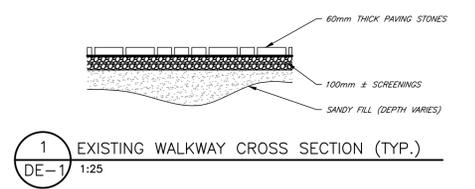
- ALL MATERIALS, PIPES AND APPURTENANCES TO BE CSA APPROVED.
- DRAIN BASIN - ADS NYLOPLAST 300mm Ø DRAIN BASIN WITH 600mm DEEP SUMP AND 300mm Ø DUCTILE IRON GRATE OR APPROVED EQUAL.
- SUBDRAIN - 150mm Ø PERFORATED WITH FILTER SOCK, "BIG-O" OR APPROVED EQUAL.
- FILTER FABRIC - TERRAFIX 270R AS SPECIFIED ON THE DRAWINGS OR APPROVED EQUAL WITH 300mm OVERLAP.

**SEDIMENT AND EROSION CONTROL**

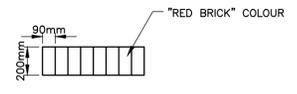
- EROSION AND SEDIMENT CONTROL WORKS TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF WORK AND MAINTAINED DURING CONSTRUCTION TO ENSURE NO MIGRATION OF SEDIMENT OFF SITE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED, INSPECTED, CLEANED AND MAINTAINED BY THE CONTRACTOR AFTER EACH STORM EVENT.
- EROSION AND SEDIMENT CONTROL MEASURES SHOWN ARE A MINIMUM AND THE CONTRACTOR MAY BE REQUIRED TO INSTALL ADDITIONAL WORKS, AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- ALL DISTURBED AREAS SHALL BE REINSTATED AS SOON AS PRACTICAL.

**UTILITIES**

- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING, SUPPORTING AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THE CONTRACTOR'S WORK, WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.

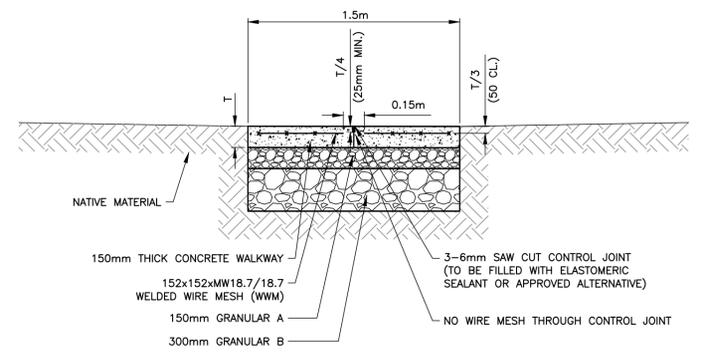


**1**  
DE-1  
EXISTING WALKWAY CROSS SECTION (TYP.)  
1:25



**2**  
DE-1  
COLOURED BRICK STAMP PATTERN FOR CONCRETE BORDER (TYP.)  
1:25

- NOTES:**
- CONTRACTOR TO PROVIDE TOWNSHIP WITH PATTERN STAMP, DETAILS AND COLOUR SAMPLES FOR BRICK STAMP PATTERN FOR TOWNSHIP REVIEW AND ACCEPTANCE MIN. 2-WEEKS IN ADVANCE OF COORDINATING TO COMPLETING WORK



**3**  
DE-1  
CONCRETE WALKWAY CONTROL JOINT (TYP.)  
1:25

- NOTES:**
- WET DIAMOND BLADE SAWING SHALL COMMENCE 8 TO 24 HOURS AFTER CONCRETE PLACEMENT, AS SOON AS THE CONCRETE SURFACE HAS HARDENED SUFFICIENTLY TO RESIST DISLODGING AGGREGATE WHILE CUTTING.

**DISCLAIMER AND COPYRIGHT**  
CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED.  
TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED.

**BENCHMARKS**  
TBM1 - ELEVATION 100.00 (LOCAL)  
TOP OF THE SOUTH EAST CORNER OF THE CENTEPATH

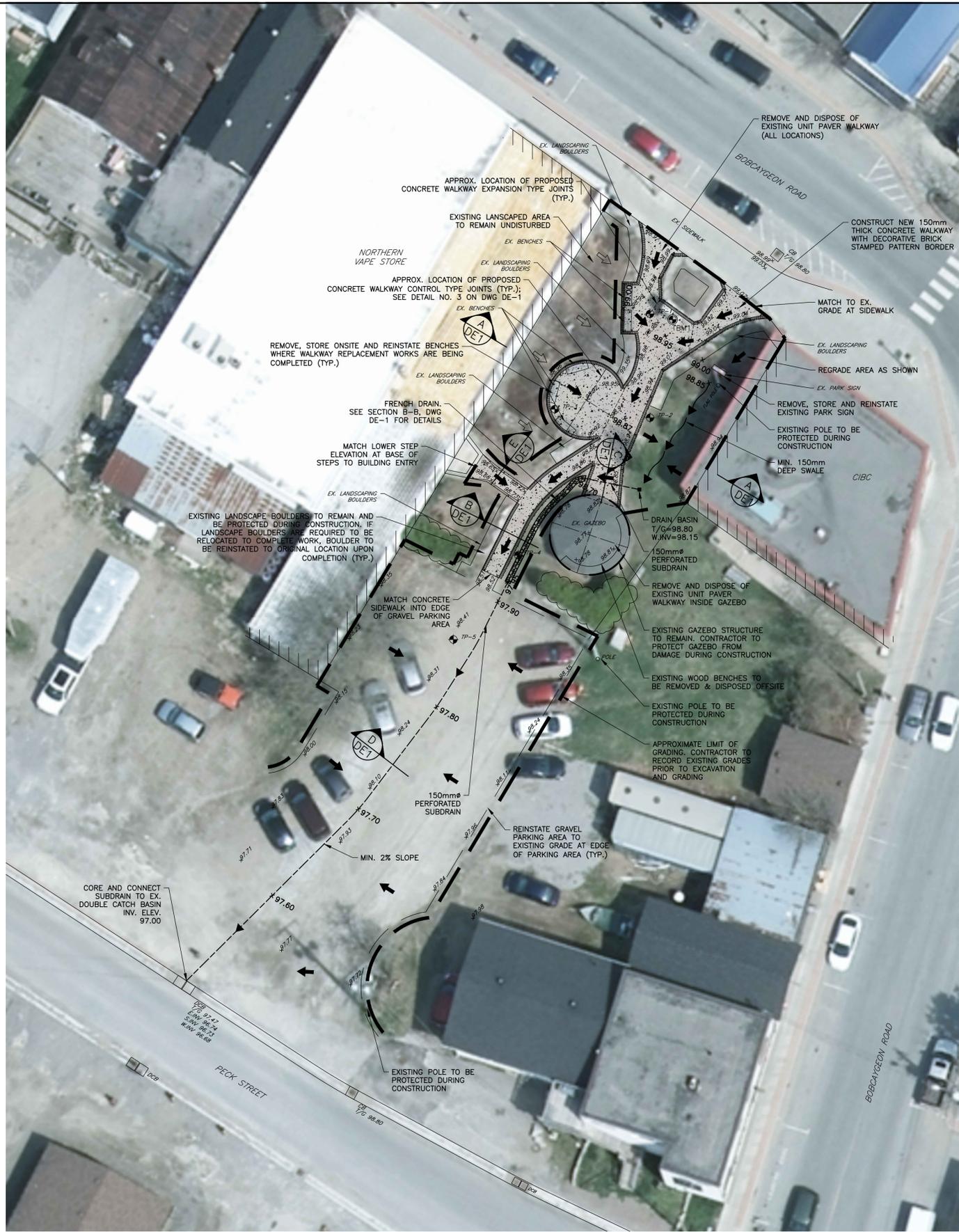
**NOTES**  
1) AERIAL MAPPING PROVIDED BY TOWNSHIP OF MINDEN HILLS.

No.	REVISION DESCRIPTION	DATE
1.	ISSUED FOR CLIENT REVIEW	AUG 2023
2.	ISSUED FOR TENDER	FEB 2024
3.	ISSUED ADDENDUM NO.3	MAR 2024

**ENGINEER STAMP**  
LICENSED PROFESSIONAL ENGINEER  
B. J. MCKENZIE  
10021168  
PROVINCE OF ONTARIO

**VILLAGE GREEN PARKETTE WALKWAY REPLACEMENT TOWNSHIP OF MINDEN HILLS**  
**DETAILS AND NOTES**

**TATHAM ENGINEERING**  
DESIGN: GM  
DRAWN: DFT/LC  
CHECK: RTM  
FILE: 222542-1  
DATE: MAR 2024  
SCALE: AS NOTED  
DWG: **DE-1**



LEGEND	
×97.90	PROPOSED SPOT ELEVATION
→	PROPOSED OVERLAND FLOW DIRECTION
98.72	EXISTING SPOT ELEVATION
⇨	EXISTING OVERLAND FLOW DIRECTION (AREA TO REMAIN UNDISTURBED)
TP-4	TEST PIT LOCATION
CB	EXISTING CATCH BASIN
DCB	EXISTING DOUBLE CATCH BASIN
---	EXISTING EDGE OF GRAVEL PARKING AREA
▬	PROPOSED CONCRETE WALKWAY WITH BRICK STAMPED PATTERN BORDER
▬	LIMITS OF GRADING
---	PROPOSED CONCRETE WALKWAY EXPANSION TYPE JOINT
---	PROPOSED CONCRETE WALKWAY CONTROL TYPE JOINT

TEST PIT LOG	
TP-1	- 60mm PAVERS - 100mm SCREENINGS - 500mm SAND FILL
TP-2	- 60mm PATIO STONES - 125mm ORGANICS (TOPSOIL) - 700mm SAND FILL - 500mm SANDY SILT (INCLUDING COBBLESTONE)
TP-3	- 60mm PAVERS - 100mm SCREENINGS - 700mm SAND FILL INCLUDING COBBLESTONE, ORGANICS AND ROOTS FROM GARDEN AREA
TP-4	- 200mm ORGANICS (TOPSOIL) - 1000mm SAND FILL (SANDY SILT WITH MINOR COBBLESTONE)
TP-5	- THIN LAYER OF WINTER SAND - 125mm ORGANICS (TOPSOIL) - 700mm SAND FILL (SANDY SILT) - 500mm SANDY SILT WITH MINOR COBBLESTONE

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**BENCHMARKS**  
 TBM1 - ELEVATION 100.00 (LOCAL)  
 TOP OF THE SOUTH EAST CORNER OF THE CENTREPATH

**NOTES**  
 1) AERIAL MAPPING PROVIDED BY TOWNSHIP OF MINDEN HILLS.

No.	REVISION DESCRIPTION	DATE
1.	ISSUED FOR CLIENT REVIEW	AUG 2023
2.	ISSUED FOR TENDER	FEB 2024
3.	ISSUED ADDENDUM NO. 3	MAR 2024

**ENGINEER STAMP**  

 B. J. MCKENZIE  
 10021168  
 PROVINCE OF ONTARIO

**VILLAGE GREEN PARKETTE  
 WALKWAY REPLACEMENT  
 TOWNSHIP OF MINDEN HILLS**

**GRADING PLAN**

**TATHAM ENGINEERING**

DESIGN: GM    FILE: 222542-1    DWG:  
 DRAWN: DFT/LC    DATE: MAR 2024    **GP-1**  
 CHECK: RTM    SCALE: 1:200