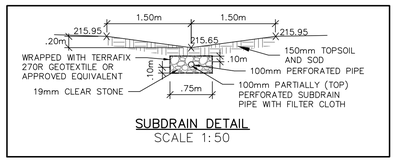
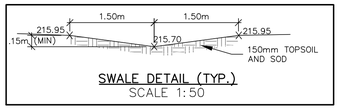
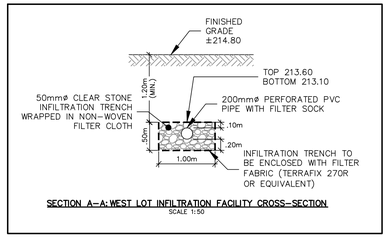


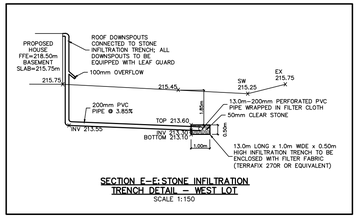

SUBDRAIN DETAIL
SCALE 1:50



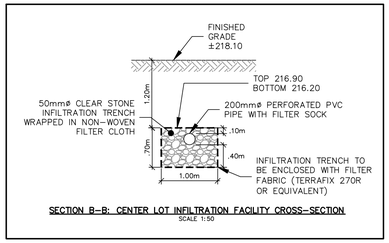

SWALE DETAIL (TYP.)
SCALE 1:50



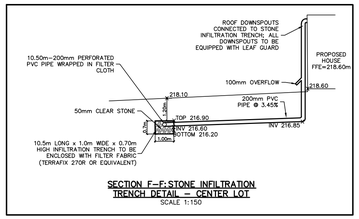

SECTION A–A: WEST LOT INFILTRATION FACILITY CROSS–SECTION
SCALE 1:50



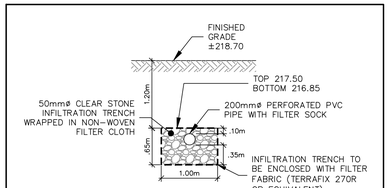

SECTION E–E: STONE INFILTRATION TRENCH DETAIL – WEST LOT
SCALE 1:150



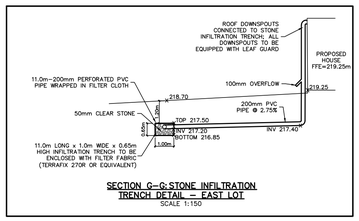

SECTION B–B: CENTER LOT INFILTRATION FACILITY CROSS–SECTION
SCALE 1:50



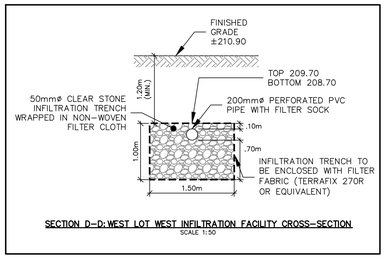

SECTION F–F: STONE INFILTRATION TRENCH DETAIL – CENTER LOT
SCALE 1:150



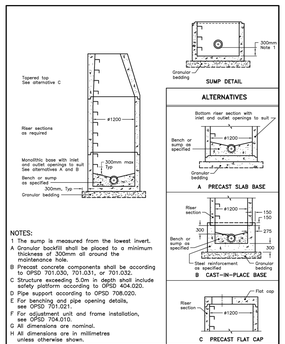

SECTION C–C: EAST LOT INFILTRATION FACILITY CROSS–SECTION
SCALE 1:50




SECTION G–G: STONE INFILTRATION TRENCH DETAIL – EAST LOT
SCALE 1:150

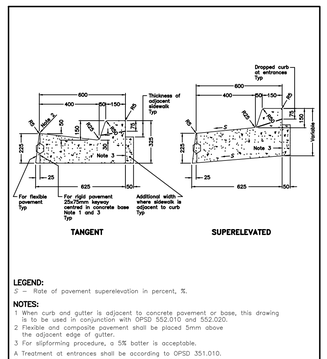



SECTION D–D: WEST LOT WEST INFILTRATION FACILITY CROSS–SECTION
SCALE 1:50




NOTES:
1 The sump is measured from the lowest invert.
A Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
B Precast concrete components shall be according to OPSD 701.030, 701.031, or 701.032.
C Structure exceeding 5.0m in depth shall include a ladder according to OPSD 404.020.
D Pipe support according to OPSD 708.020.
E For benching and pipe opening details, see OPSD 701.021.
F For adjustment unit and frame installation, see OPSD 704.010.
G All dimensions are nominal.
H All dimensions are in millimetres unless otherwise shown.

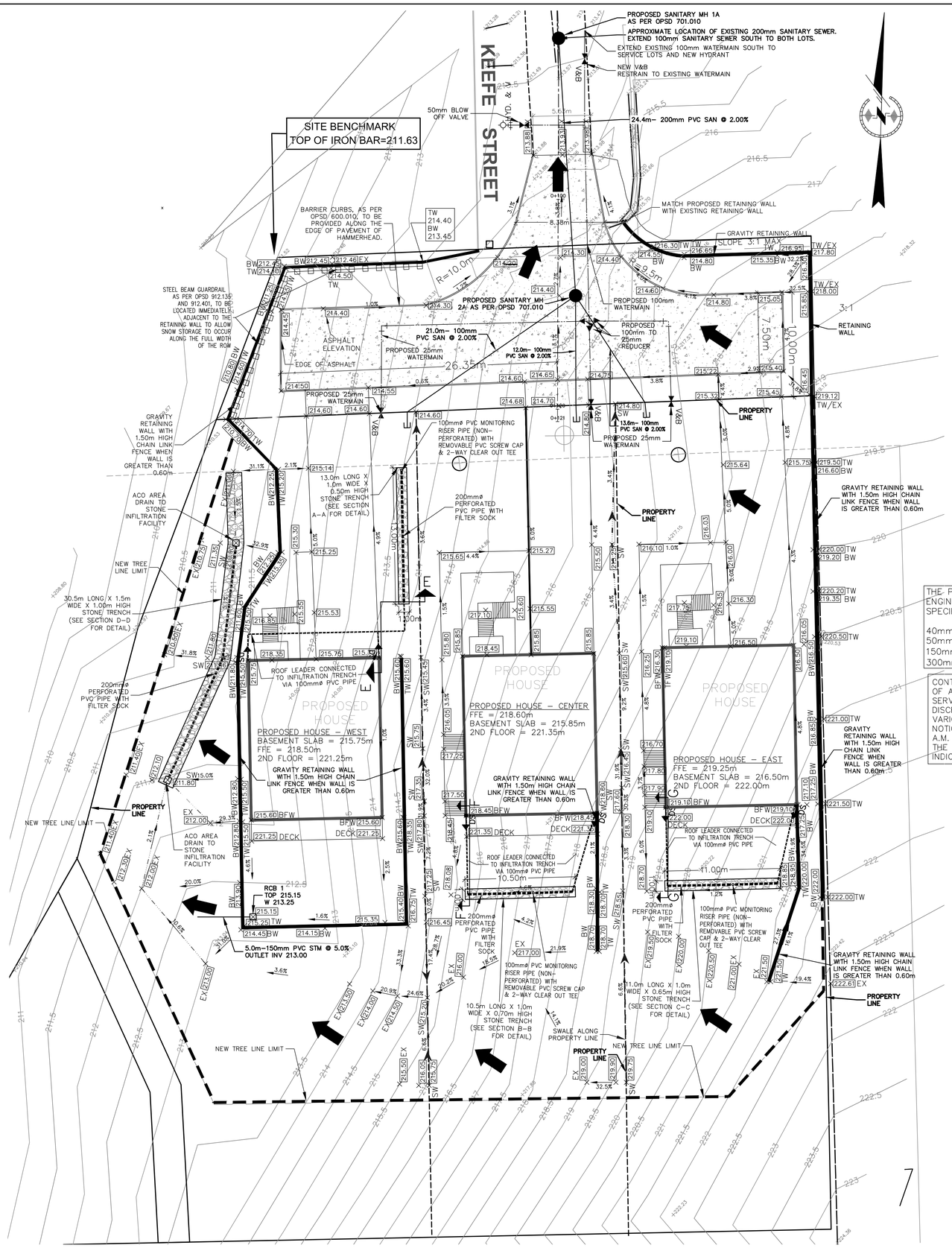
| ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2014 | Rev 1 |
|---|---|---|
| PRECAST CONCRETE MAINTENANCE HOLE 1200mm DIAMETER | | OPSD 701.010 |

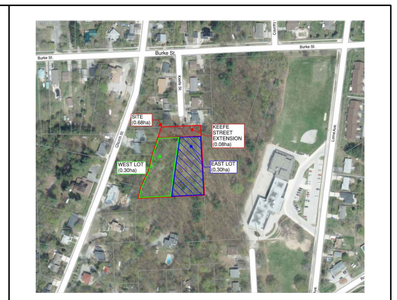



LEGEND:
S = Rate of pavement superelevation in percent, %.

NOTES:
1 When curb and gutter is adjacent to concrete pavement or base, this drawing is to be used in conjunction with OPSD 552.010 and 552.020.
2 Flexible and composite pavement shall be placed 5mm above the adjacent edge of gutter.
3 For slipforming procedure, a 5% batter is acceptable.
A Treatment at entrances shall be according to OPSD 351.010.
B Outlet treatment shall be according to the OPSD 810 Series.
C The transition from one curb type to another shall be a minimum length of 3.0m, except in conjunction with guide rail where it shall be according to the OPSD 900 Series.
D All dimensions are in millimetres unless otherwise shown.

| ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2006 | Rev 1 |
|---|---|---|
| CONCRETE BARRIER CURB WITH WIDE GUTTER | | OPSD 600.010 |




KEY PLAN
N.T.S.

## LEGEND

| | |
|---|---|
| x 224.90 | EXISTING ELEVATION |
| x 224.90 EX | EXISTING ELEVATION |
| x 224.90 | PROPOSED ELEVATION |
| x 224.90 TW | TOP OF WALL ELEVATION |
| x 224.90 BW | BOTTOM OF WALL ELEVATION |
| x 224.90 SW | BOTTOM OF SWALE ELEVATION |
| F.F.F. | FINISHED FIRST FLOOR |
| | RETAINING WALL |
| | INFILTRATION FACILITY |
| | SANITARY MANHOLE |
| | SANITARY SEWER |
| | WATERMAIN |
| | STORM SEWER |
| | PROPERTY LINE |
| | LIMIT OF TREE LINE |
| | OVERLAND FLOW |
| 17.6% | SWALE DRAINAGE |

THE PAVEMENT STRUCTURE IS TO BE AS PER THE GEOGRAPHICAL ENGINEERING REPORT COMPLETED BY GEOPRO. THE PAVEMENT SPECIFICATIONS ARE OUTLINED BELOW:

40mm HL3
50mm HL8
150mm GRANULAR 'A' NATIVE BASE
300mm GRANULAR 'B' TYPE I SUBBASE

CONTRACTOR TO BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL EXISTING UNDERGROUND AND ABOVE UTILITIES AND SERVICES. THE CONTRACTOR SHALL ADVISE THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION. VARIOUS UTILITIES CONCERNED TO BE GIVEN REQUIRED ADVANCED NOTICE PRIOR TO ANY DIGGING, FOR STAKE OUT.
A.M. CANDARAS ASSOCIATES INC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.

LICENSED PROFESSIONAL ENGINEER
2024-05-01
A. M. CANDARAS
PROVINCE OF ONTARIO

| No. | Date | By | REVISIONS |
|---|---|---|---|
| 5 | MAY 01/24 | A.W.C. | ISSUED FOR SPA – 3 LOT DESIGN |
| 4 | SEP 20/23 | A.W.C. | REVISED AS PER TOWN'S COMMENTS |
| 3 | JULY 28/23 | J.M.N. | ISSUED FOR 4TH SPA SUBMISSION |
| 2 | MAY.01/23 | J.M.N. | ISSUED FOR 3RD SPA SUBMISSION |
| 1 | APR.26/23 | J.M.N. | ISSUED FOR COORDINATION |

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consulting engineers
8551 Weston rd., suite 203
Woodbridge ont. L4L 9R4
905–850–8020 Fax 905–850–8099
Email: civil@amcai.com

# KEEFE STREET & 2 LOT SERVICING

## TOWN OF PENETANGUISHENE

## SITE SERVICING, STORMWATER MANAGEMENT & GRADING PLAN

| | | | |
|---|---|---|---|
| SCALE: 1:200 | DATE: MAY 2024 | PROJ No. 2250 | |
| DRAWN: A.W.C. | CHK'D: D.R. | PLAN No. G-1 | |
| DESIGNED: J.M.N. | SHEET 1 OF 1 | | |

FILENAME: Q:\2250\2250-mast.dwg
PLOTDATE: May 01, 2024 – 9:12am
PLOTTED BY: Andrew Wong