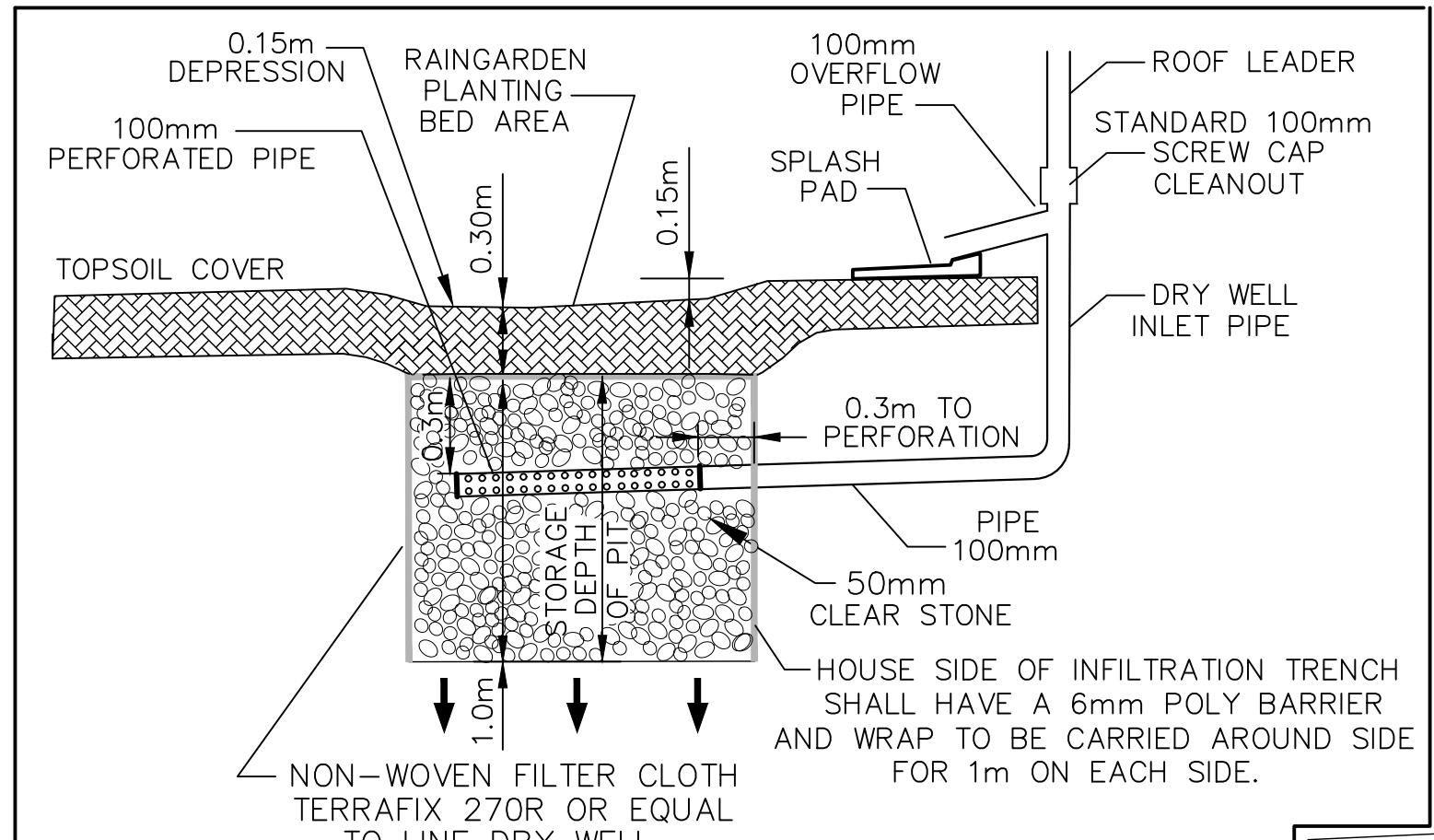
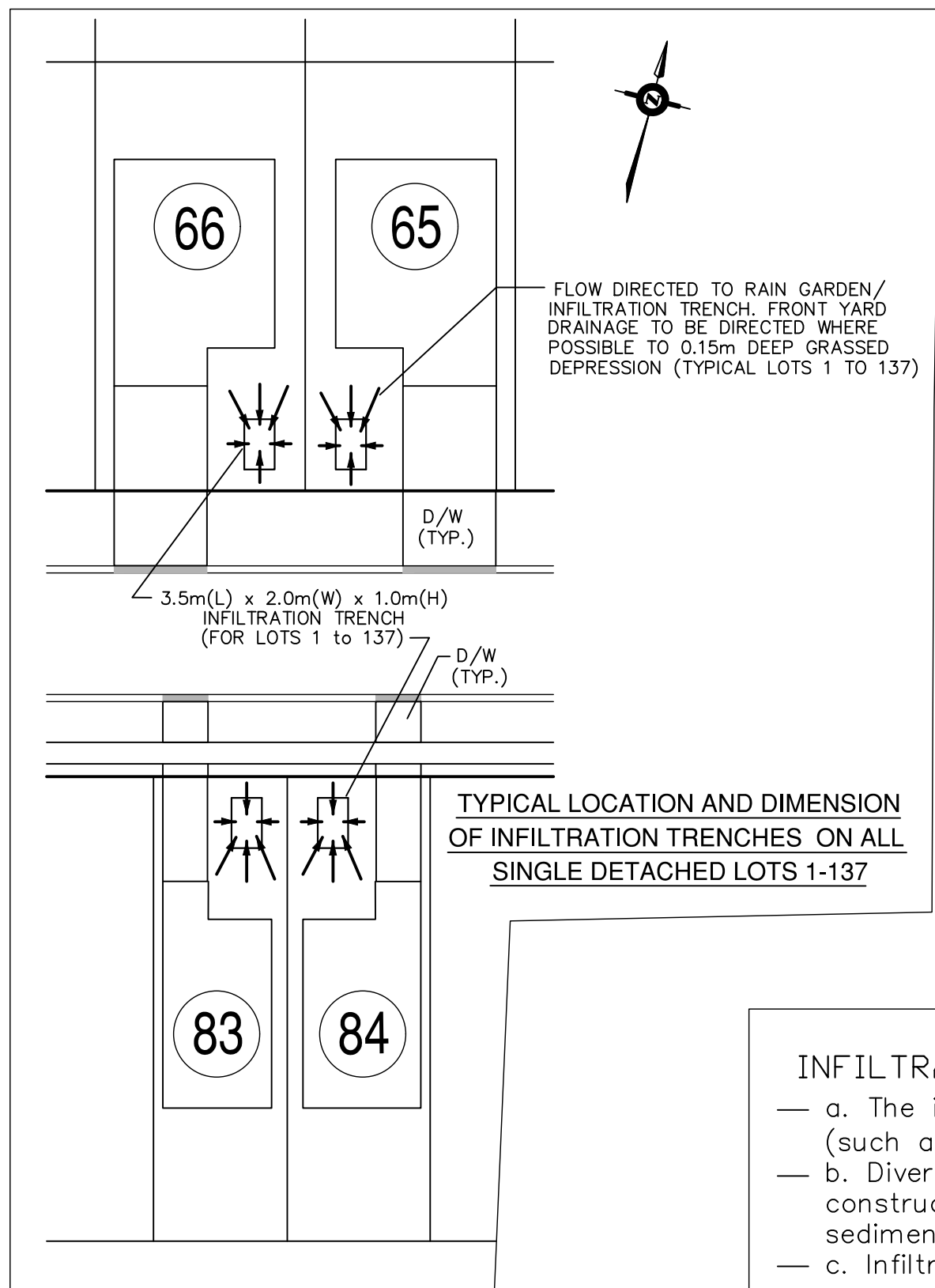




INFILTRATION TRENCH INSTALLATION FOR LOTS IN FILL AREAS
(FOR ALL SINGLE DETACHED LOTS 1 TO 131)
N.T.S.

NOTE
SUBSURFACE SOAKAWAY PITS (INFILTRATION TRENCHES)
TO BE PROVIDED ON LOTS 1 TO 137 AND
SPECIFIED ON THE INDIVIDUAL LOT SITE PLAN
APPLICATIONS AS PER THESE DETAILS



TYPICAL LOCATION AND DIMENSION
OF INFILTRATION TRENCHES ON ALL
SINGLE DETACHED LOTS 1-137

- INFILTRATION TRENCH NOTES :
- a. The infiltration trench should not serve as a sediment control device (such as a sediment basin) during construction.
 - b. Divert runoff flow away from the infiltration trench during and after construction until the drainage area is fully stabilized to prevent sediment from clogging the infiltration trench.
 - c. Infiltration trench should be excavated from the side, using a backhoe or excavator, to design dimensions (as per design drawings) with an uniform and uncompacted level or nearly level subgrade base free from rocks and debris.
 - d. The subgrade at the bottom of the infiltration trench should be scarified using a tooth bucket or ripper tool attachment to improve infiltration.
 - e. Place non-woven geotextile fabric along bottom and sides of the infiltration trench. Large tree roots should be trimmed to prevent puncturing or tearing of the filter fabric during subsequent installation procedures. When laying out the geotextile filter fabric the width should include sufficient material to compensate for perimeter irregularities in the trench and for a 150 mm minimum top overlap.
 - f. Install upstream and downstream flow control structures such as the inlet to the trench.
 - g. Fold and secure non-woven geotextile fabric over infiltration trench with minimum overlap of 150mm.
 - h. Place backfill as specified on plans.
 - i. install infiltration trenches at time of house building. The infiltration trenches should be constructed as one of the last items and lots should be sodded immediately after infiltration trench built to avoid fines plugging trenches.
 - j. Plug inlet to prevent construction sediment from entering the soakaway trench and keep the facility "off-line" until construction is complete and the drainage area is fully stabilized.

NOTES

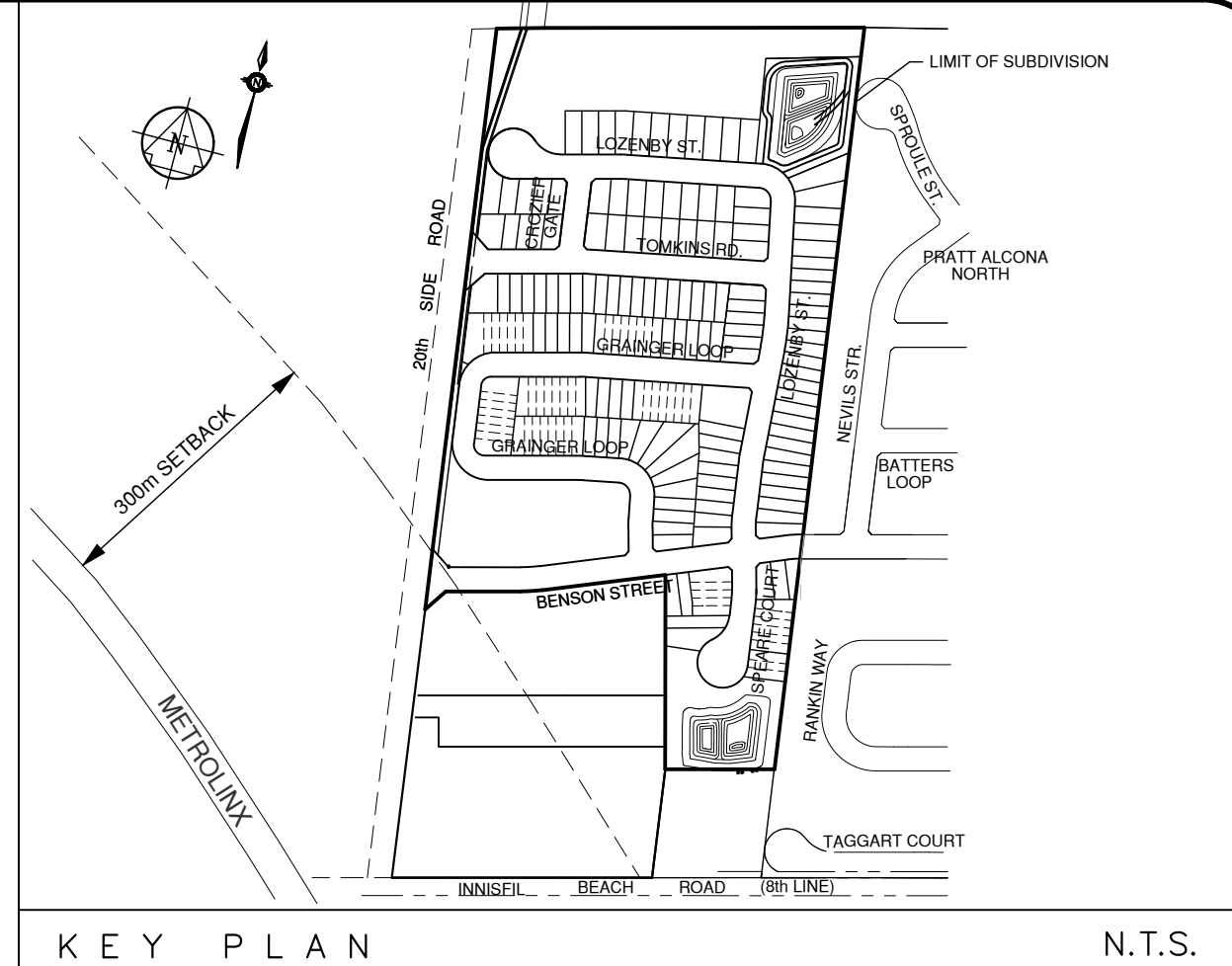
- WHERE RAINGARDENS ARE WITHIN 4m OF HOUSE FOUNDATION, THE FOUNDATION WALL IN THE VICINITY OF THE RAINGARDEN IS TO BE WATER-PROOFED WITH BLUESKIN WP200, SELF-ADHERED WATERPROOFING MEMBRANE OR APPROVED EQUAL.
- HOUSE SIDE OF INFILTRATION TRENCH SHALL HAVE A 6mm POLY BARRIER AND WRAP TO BE CARRIED AROUND SIDE FOR 1m ON EACH SIDE.

NOTES

1. FOR GENERAL NOTES REFER TO DRAWING S-1.

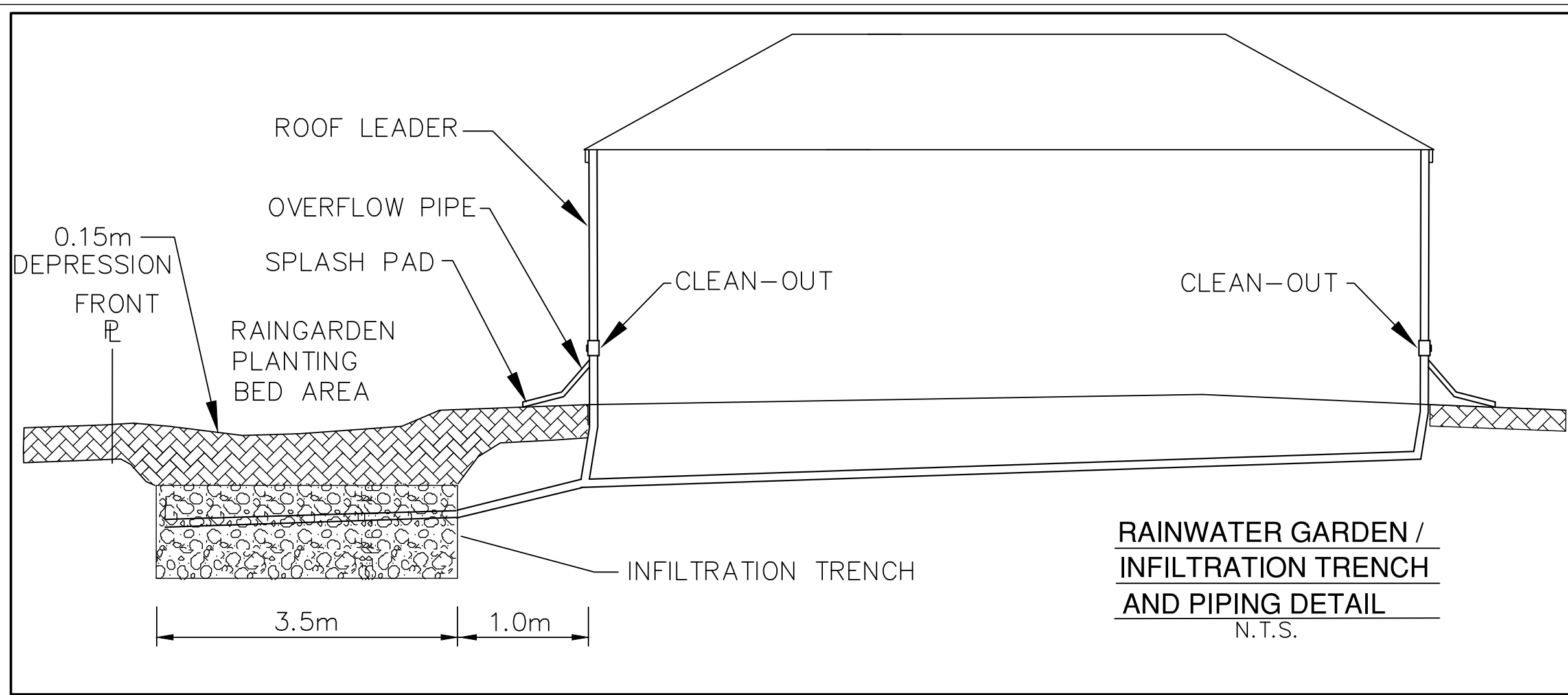
LEGEND

- 15
- CIRCLE INDICATES LOTS REQUIRING INSTALLATION OF RAINWATER GARDEN / INFILTRATION GALLERIES (LOTS 1 TO 137, TOWNHOUSE END UNITS)



KEY PLAN

N.T.S.



RAINWATER GARDEN /
INFILTRATION TRENCH
AND PIPING DETAIL
N.T.S.

BENCHMARK NOTE TOWN OF INNISFIL BENCHMARK # 2001 - 005.
ELEVATION = 261.700m
BRASS CAP IN SOUTHWEST CORNER OF HYDRO SUBSTATION
ON NORTH SIDE OF INNISFIL BEACH ROAD.

6.	C.R.M.	MAY 13, 2019	INFILTRATION GALLERIES ADDED TO TOWNHOUSE END UNITS	R.S.
5.	D.J.S.	APRIL 3/2019	ADDITIONAL DIMENSIONS ADDED TO INFILTRATION TRENCH.	R.S.
4.	D.J.S.	SEP 28/2017	FINAL SUBMISSION	R.S.
3.	D.J.S.	NOV 7/2016	PRE-SERVICING SUBMISSION	R.S.
2.	D.J.S.	JUNE 28/2016	3rd SUBMISSION	R.S.
1.	D.J.S.	MAY 3/2016	LSRCA SUBMISSION	R.S.
No.	By	Date	Revision	Checked

MANAGER OF ENGINEERING	DEVELOPMENT ENGINEERING PEER REVIEW
DATE : _____	DATE : _____
ACCEPTED FOR CONSTRUCTION	

CONSULTANT

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U.E.L.

LICENSÉD PROFESSIONAL ENGINEER
ROSARIO SACCO
MAY 13, 2019
PROVINCE OF ONTARIO

PROJECT
ALCONA CAPITAL SUBDIVISION
FILE No - I-T-1301

MUNICIPALITY
TOWN OF INNISFIL

TITLE
RAINWATER GARDEN/INFILTRATION
TRENCH LOCATION PLAN AND DETAILS

Designed By	D.J.S.	Date	May 2016	Checked By	R.S.
Drawn By	V.T.			Approved By	
Scale:	N.T.S.	Project No.	09002	Drawing No.	INF-1