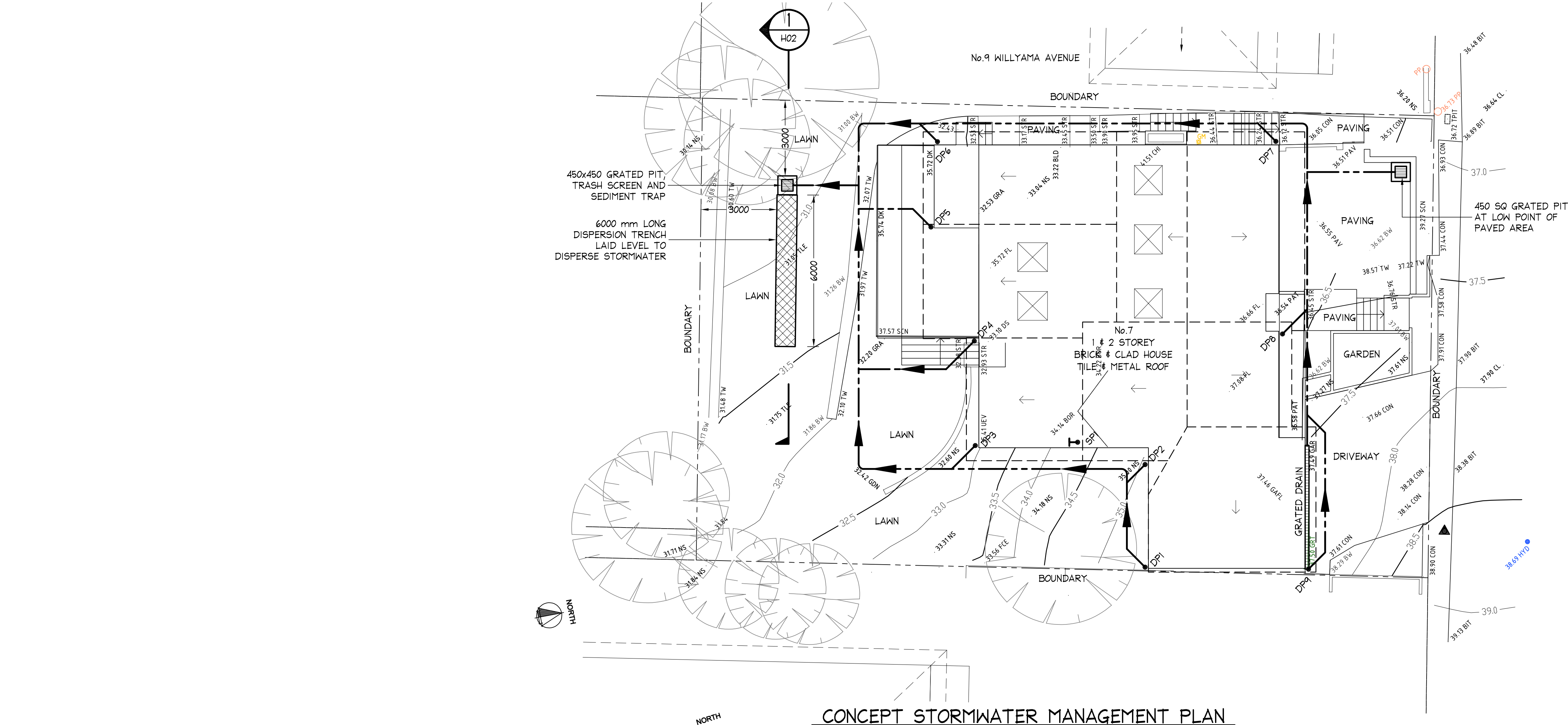




CONCEPT STORMWATER MANAGEMENT PLAN

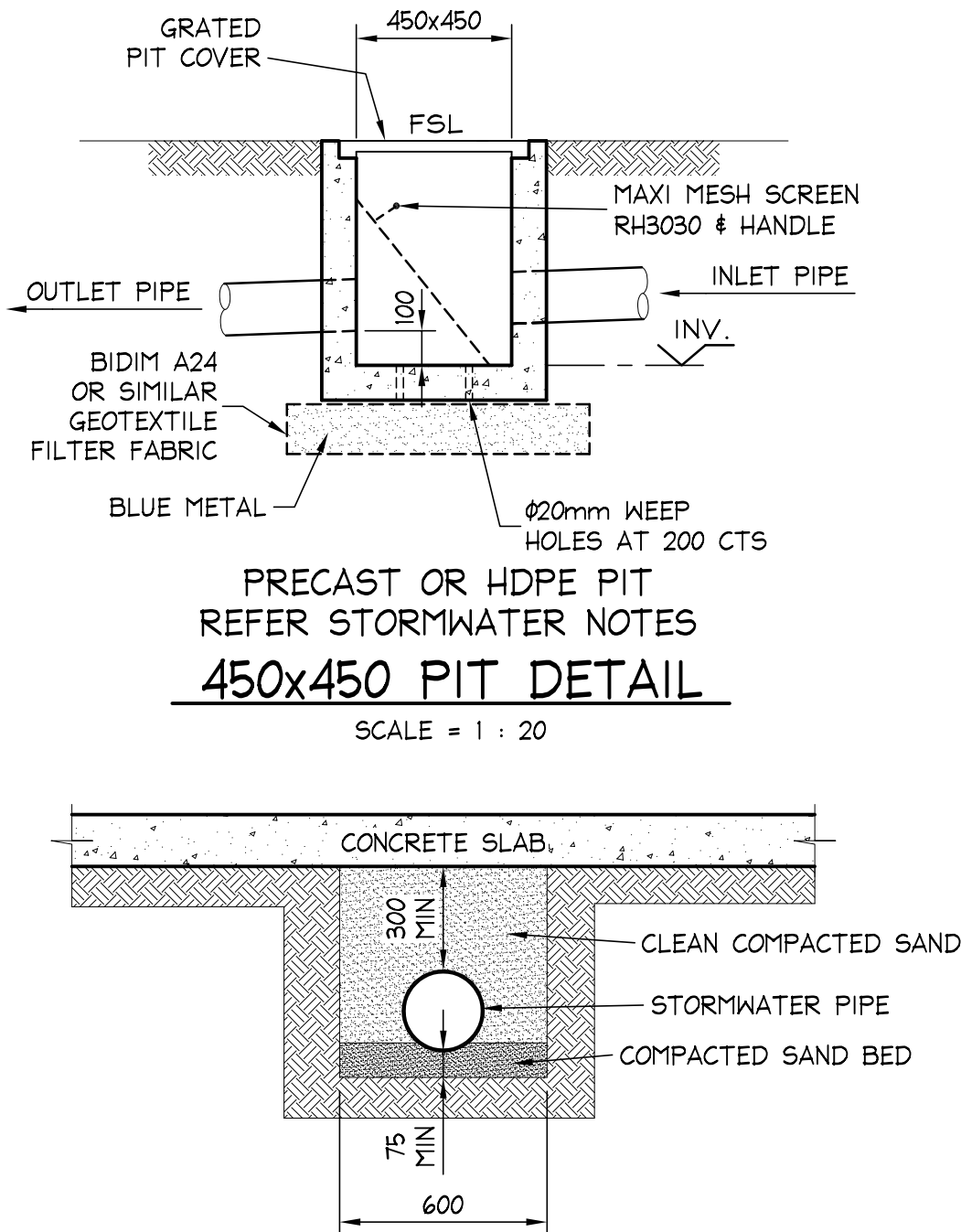
SCALE = 1 : 100

LEVELS TAKEN FROM SURVEY BY CMS SURVEYORS P/L, REF:18756, DATED 12-08-2019
ALL DRAINAGE LOCATIONS ARE INDICATIVE ONLY. LOCATION MAY VARY TO SUIT SITE CONSTRAINTS.
EXISTING PIPE SYSTEMS THAT ARE CONSTRUCTED FROM uPVC CAN BE RE-USED IF PLUMBER FINDS THEM COMPLIANT

KEY:
DP - DOWNPIPE
SP - SPREADER DOWNPIPE
DP/RWH - DOWNPIPE RAINWATER HEAD
SPT - SPITTER OVERFLOW

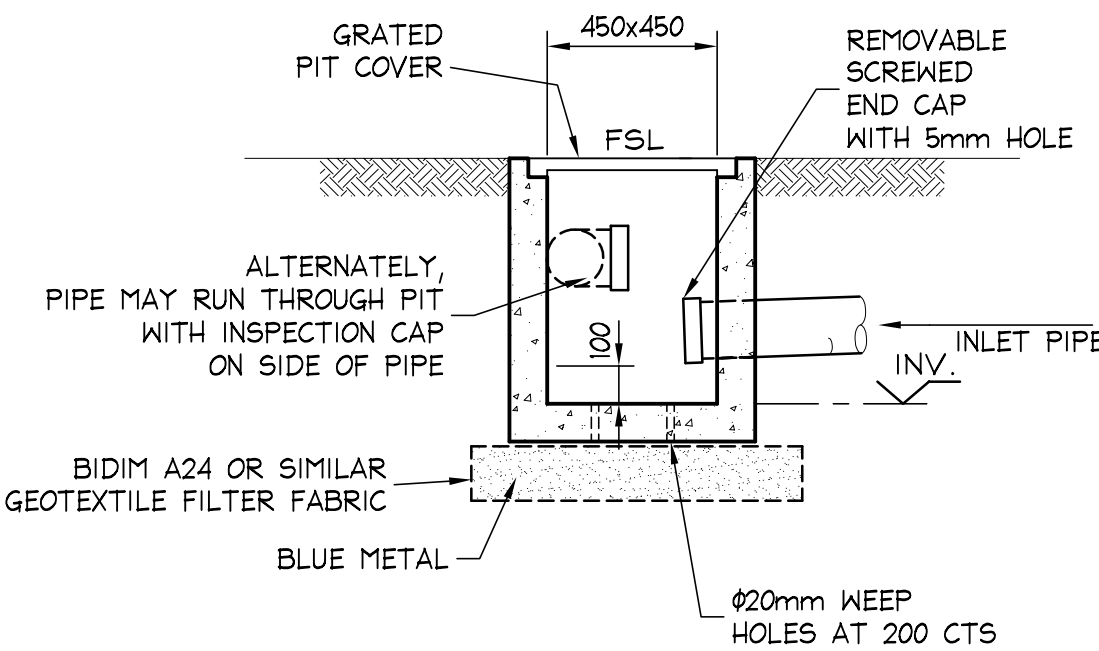
STORMWATER NOTES:

- 1 - ALL PIPES TO BE 100mm ϕ SEWER GRADE uPVC UNLESS NOTED OTHERWISE.
- 2 - ALL PIPES TO BE uPVC TO AS 1254-2002 UNLESS NOTED OTHERWISE.
- 3 - ALL PIPES TO BE LAID AT 1 % MINIMUM GRADE UNLESS NOTED OTHERWISE.
- 4 - ALL PIPES SHALL BE LAID ON A 75mm SAND BED, COMPACTED TO 100% S.M.D.D. BELOW PAVEMENTS.
(NO COMPACTION REQUIRED BELOW LANDSCAPING)
COVER TO SURFACE FROM TOP OF PIPE TO BE AS PER AS3500.
BACKFILL TO BE ADEQUATELY CONSOLIDATED AROUND PIPES BY METHOD OF RAMMING AND WATERING IN. TRENCHES TO BE FILLED WITH GRANULAR MATERIAL AS SPECIFIED.
- 5 - DOWN PIPE LOCATIONS ARE INDICATIVE ONLY. LOCATIONS TO BE CONFIRMED WITH ARCHITECT PRIOR TO COMMENCEMENT WITH WORK.
- 6 - PROVIDE CLEANING EYES AT ALL DOWNPIPES.
- 7 - ALL PITS TO BE PRECAST, PREFORMED OR HDPE, IN ACCORDANCE WITH LOCAL COUNCIL SPECIFICATIONS.
- 8 - ALL PITS GREATER THAN 1000mm DEEP SHALL HAVE STEP IRONS AS PER COUNCIL STANDARDS.
- 9 - ALL WORK TO BE IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS AND SPECIFICATIONS.
- 10 - PRIOR TO COMMENCING ANY SITE WORKS THE CONTRACTOR SHALL IMPLEMENT EROSION CONTROL MEASURES TO EPA GUIDELINES AND COUNCIL SPECIFICATIONS. ALL MEASURES TO REMAIN IN PLACE UNTIL COMPLETION AND STABILIZATION OF THE SITE TO COUNCIL SATISFACTION.
- 11 - ALL LEVELS SHOWN ARE TO AHD
- 12 - ENSURE THAT ALL PITS AND STORMWATER PIPES ARE LOCATED CLEAR FROM TREE ROOT SYSTEMS.
- 13 - ALL EXISTING EARTHENWARE PIPES TO BE UPGRADED TO uPVC.
- 14 - ALL WORKS TO BE IN ACCORDANCE WITH AS 3500-2003 NATIONAL PLUMBING DRAINAGE CODE PART 3 - STORMWATER DRAINAGE.



TYPICAL TRENCHING DETAIL

SCALE = 1 : 20



PRECAST OR HDPE PIT
REFER STORMWATER NOTES
450x450 INSPECTION PIT DETAIL

SCALE = 1 : 20

ONSITE DETENTION SYSTEM - SUMMARY NOTES
NORTHERN BEACHES COUNCIL - REGION 3

STORMWATER CONTROL ZONE	ZONE 1
RESIDENTIAL DENSITY SUB-ZONE	ZONE 3
TOTAL SITE AREA	529.6 m ²
PRE DEVELOPMENT IMPERVIOUS AREA	302.0 m ²
POST DEVELOPMENT IMPERVIOUS AREA	313.0 m ²
INCREASE IN IMPERVIOUS AREA	11.0 m ²
BASED ON THE NORTHERN BEACHES STORMWATER REGION 3, PART 4.3.2.2 FOR ALTS & ADDS, "IF THE CURRENT IMPERVIOUS AREA OF THE SITE IS MORE THAN 60% OF THE SITE AREA, OSD WILL BE REQUIRED." THEREFORE OSD IS NOT REQUIRED, AS 59.1 % IMPERVIOUS AREA (REFER OSD CHECKLIST). ALL IMPERVIOUS AREA ARE TO BE DRAINED TO THE UPGRADED DISPERSION SYSTEM.	

A1

NOTES:

1. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WITH WORK.
2. FOR GENERAL NOTES AND DRAWING SCHEDULE REFER TO DRAWING NUMBER: S01.



DOCUMENT CERTIFICATION

Date : NOV 2020

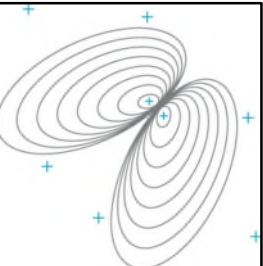
Bruce Lewis

(Principal : Peninsula Consulting Engineers)
BE(Civil), CPEng, MIEAust., NPER
Institute of Engineers Membership No. 879131

16-12-2020	B	DISPERSION SYSTEM
9-11-2020	A	FOR COUNCIL SUBMISSION
3-11-2020	PI	DRAFT
Date:	Rev:	Amendment:

Peninsula Consulting
Engineers

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Project:

PROPOSED WORKS
at: 7 WILLYAMA AVE
FAIRLIGHT
for: MR & MRS LINDELL

Drawing Title:

CONCEPT STORMWATER
MANAGEMENT PLAN & DETAILS

Job No:

20-0926

Drawing No:

H01

Rev:

B



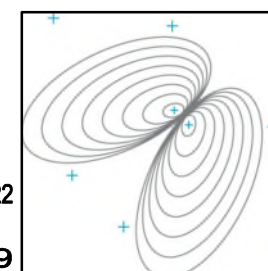
GUTTER CALCULATIONS

1. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WITH WORK.
2. FOR GENERAL NOTES AND DRAWING SCHEDULE REFER TO DRAWING NUMBER: SOI.

Date : DEC 2020
Bruce Lewis
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Institute of Engineers Membership No. 879131

16-12-2020	A	FOR COUNCIL SUBMISSION
-	PI	DRAFT
Date:	Rev:	Amendment:

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FAIRLIGHT
for: MR & MRS LINDELL

A