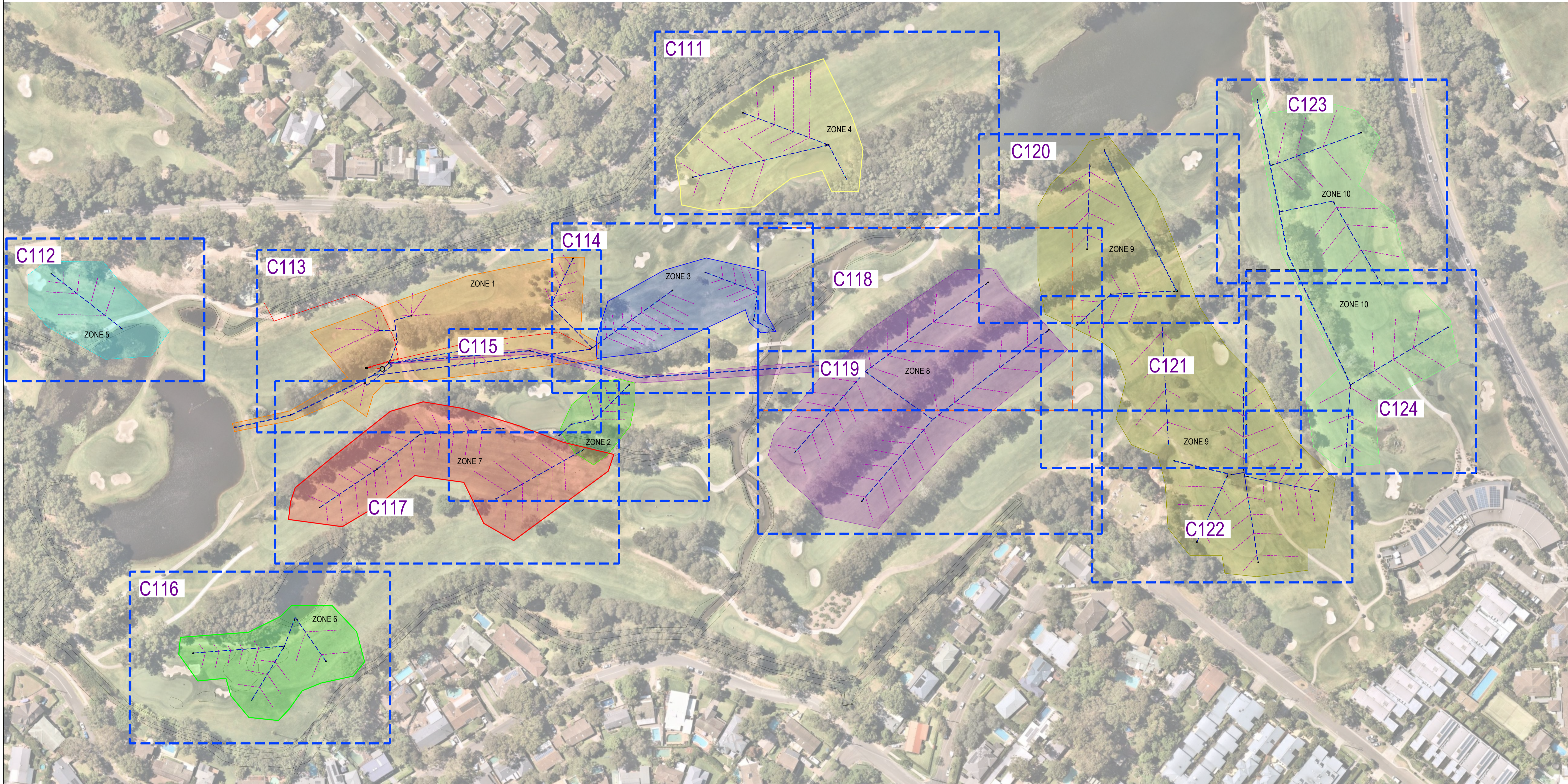



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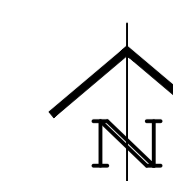
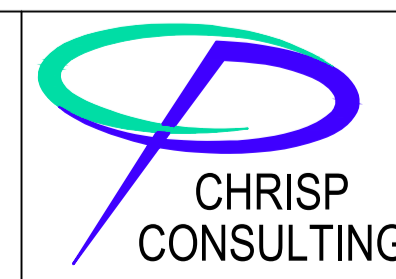
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ISSUE FOR DEVELOPMENT APPLICATION

STORMWATER HARVESTING AND IRRIGATION

REV	DATE	REVISION DESCRIPTION
A	13.10.2020	ISSUE FOR REVIEW AND COMMENT
B	15.10.2020	ISSUE FOR PRE-DA COMMENTS
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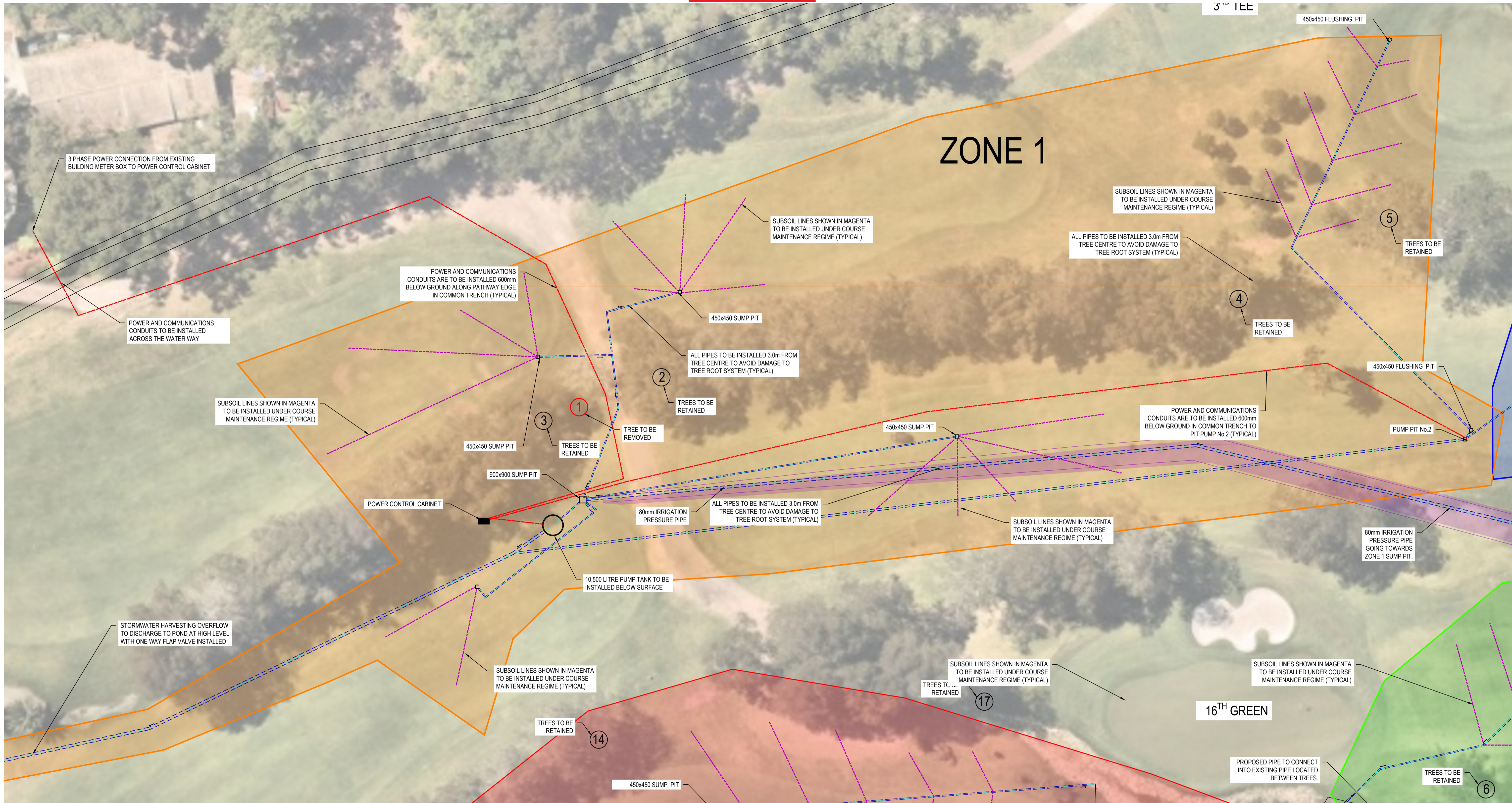
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ZONE MAP AREAS & GENERAL WORKS

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- UTILITIES LEGEND**
- MAINS POWER
 - STORMWATER HARVESTING COLLECTION PIPE
 - SUBSOIL DRAINAGE PIPE (COMPLETED UNDER COURSE MAINTENANCE AS REQUIRED)

- NOTES:**
1. ALL INSTALLED PIPES AND CONDUITS MUST BE INSTALLED 3.0M FROM THE CENTRE OF ANY TREE. UNLESS OTHERWISE NOTED WHERE PIPES MUST BE INSTALLED CLOSER, HAND EXCAVATION SHALL ONLY BE PERMITTED TO INVESTIGATE THE LOCATION OF TREE ROOTS AND AVOID DAMAGE
 2. ALL SUBSOIL LINES SHALL BE INSTALLED UNDER COURSE MAINTENANCE AS REQUIRED TO DRAIN SATURATED LANDS AND DO NOT FORM PART OF THESE APPROVALS

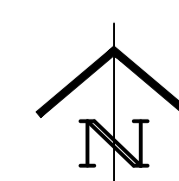
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 SCALE 1:500 @ A3

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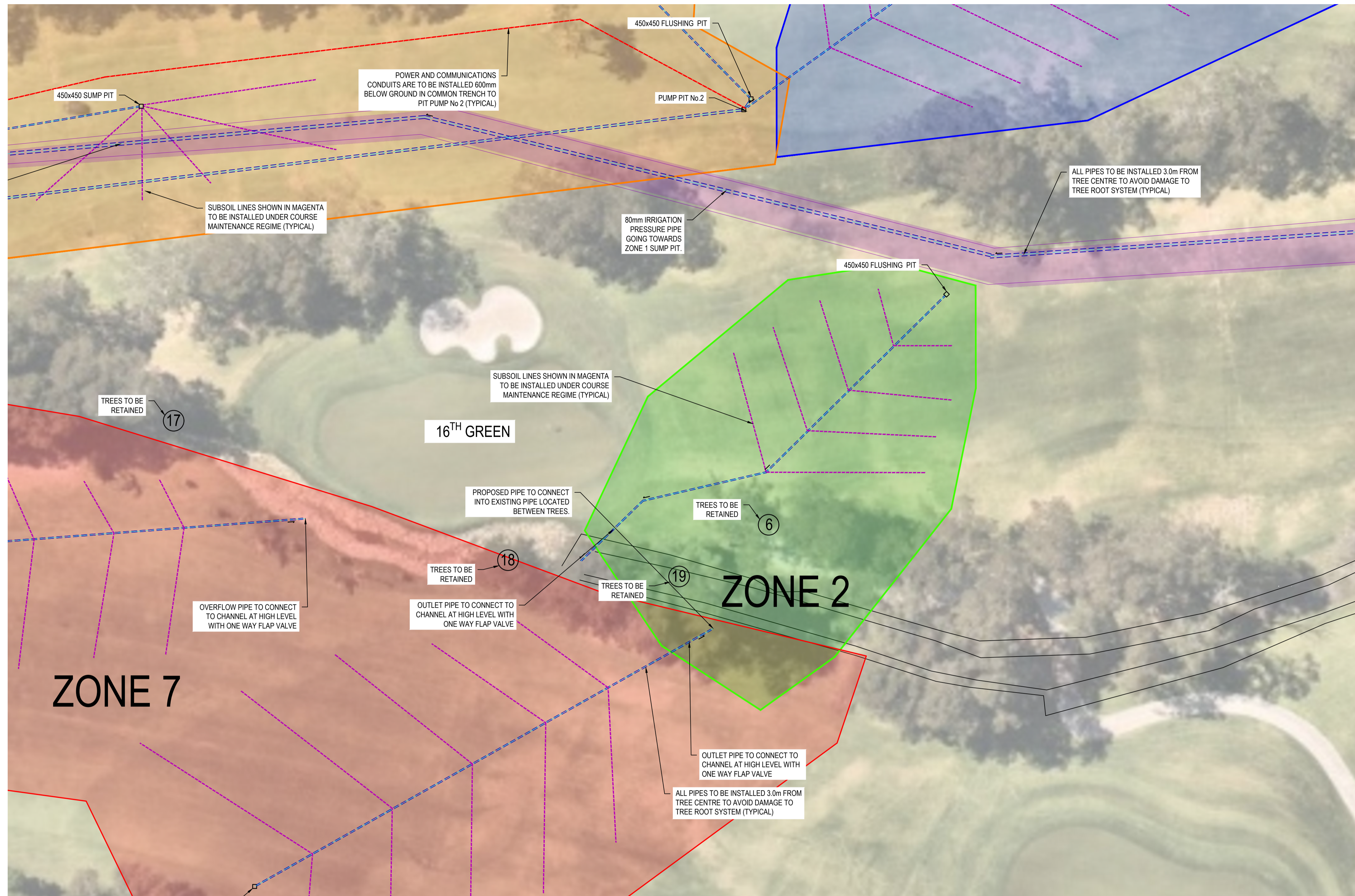
ZONE 1 DETAIL PLAN


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SCALE @ A1
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 SHEET No
C111

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UTILITIES LEGEND

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SCALE 1:250 @ A1
 SCALE 1:500 @ A3



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ZONE 2 DETAIL PLAN

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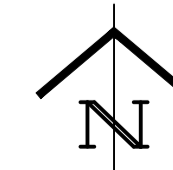
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SCALE @ A1
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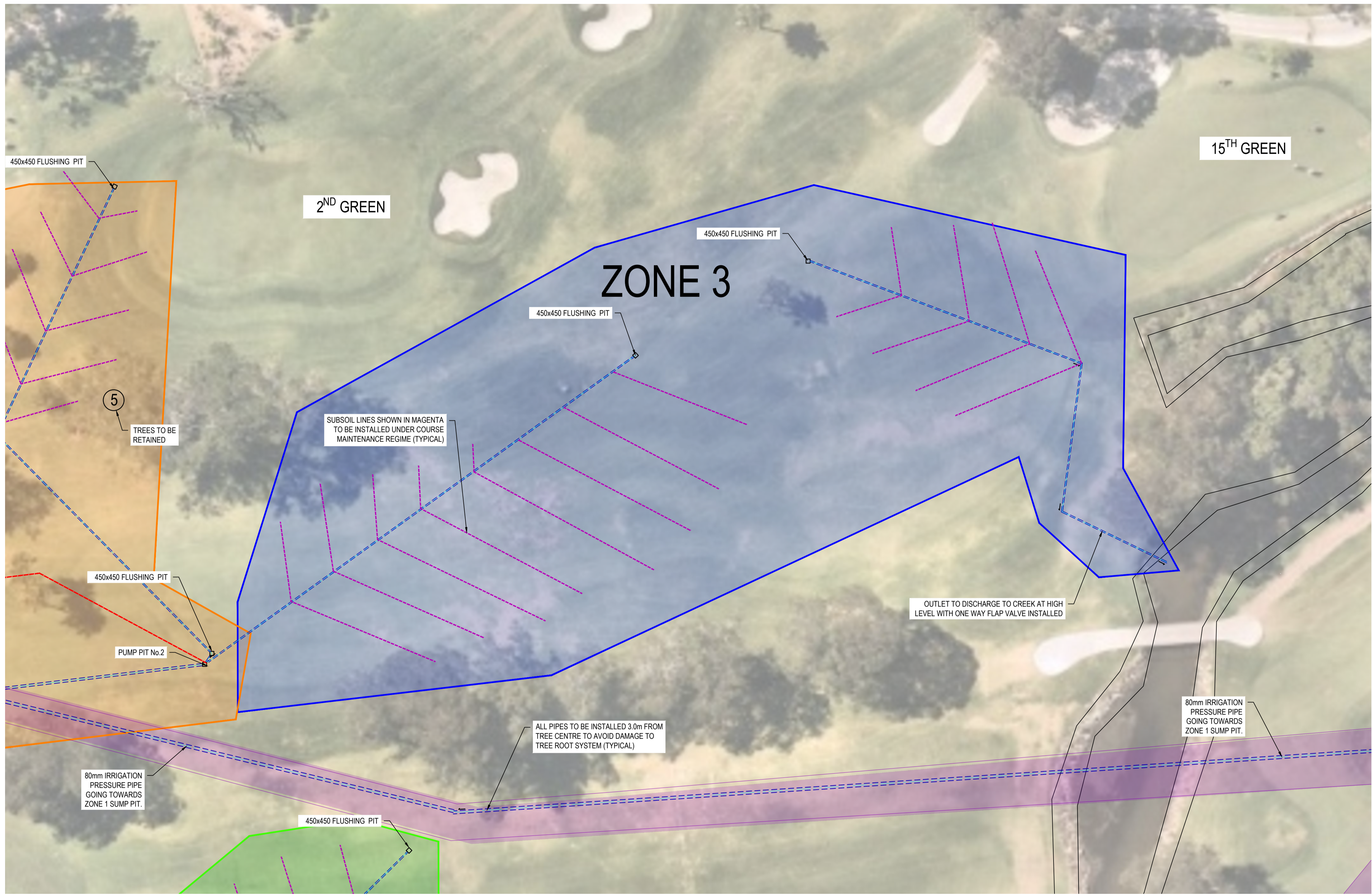
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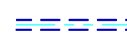

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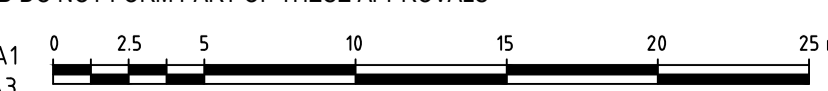
	MAINS POWER
	STORMWATER HARVESTING COLLECTION PIPE
	SUBSOIL DRAINAGE PIPE (COMPLETED UNDER COURSE MAINTENANCE AS REQUIRED)

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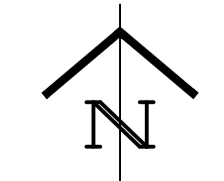
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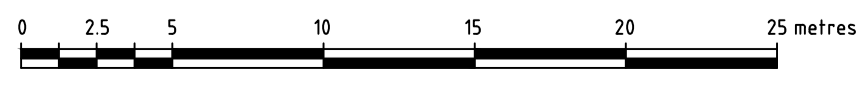
UTILITIES LEGEND

- - - - - MAINS POWER
- - - - - STORMWATER HARVESTING COLLECTION PIPE
- - - - - SUBSOIL DRAINAGE PIPE (COMPLETED UNDER COURSE MAINTENANCE AS REQUIRED)

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SCALE 1:250 @ A1
 SCALE 1:500 @ A3



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UTILITIES LEGEND

- MAINS POWER
- STORMWATER HARVESTING COLLECTION PIPE
- SUBSOIL DRAINAGE PIPE (COMPLETED UNDER COURSE MAINTENANCE AS REQUIRED)

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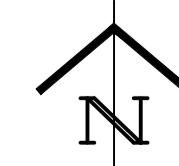
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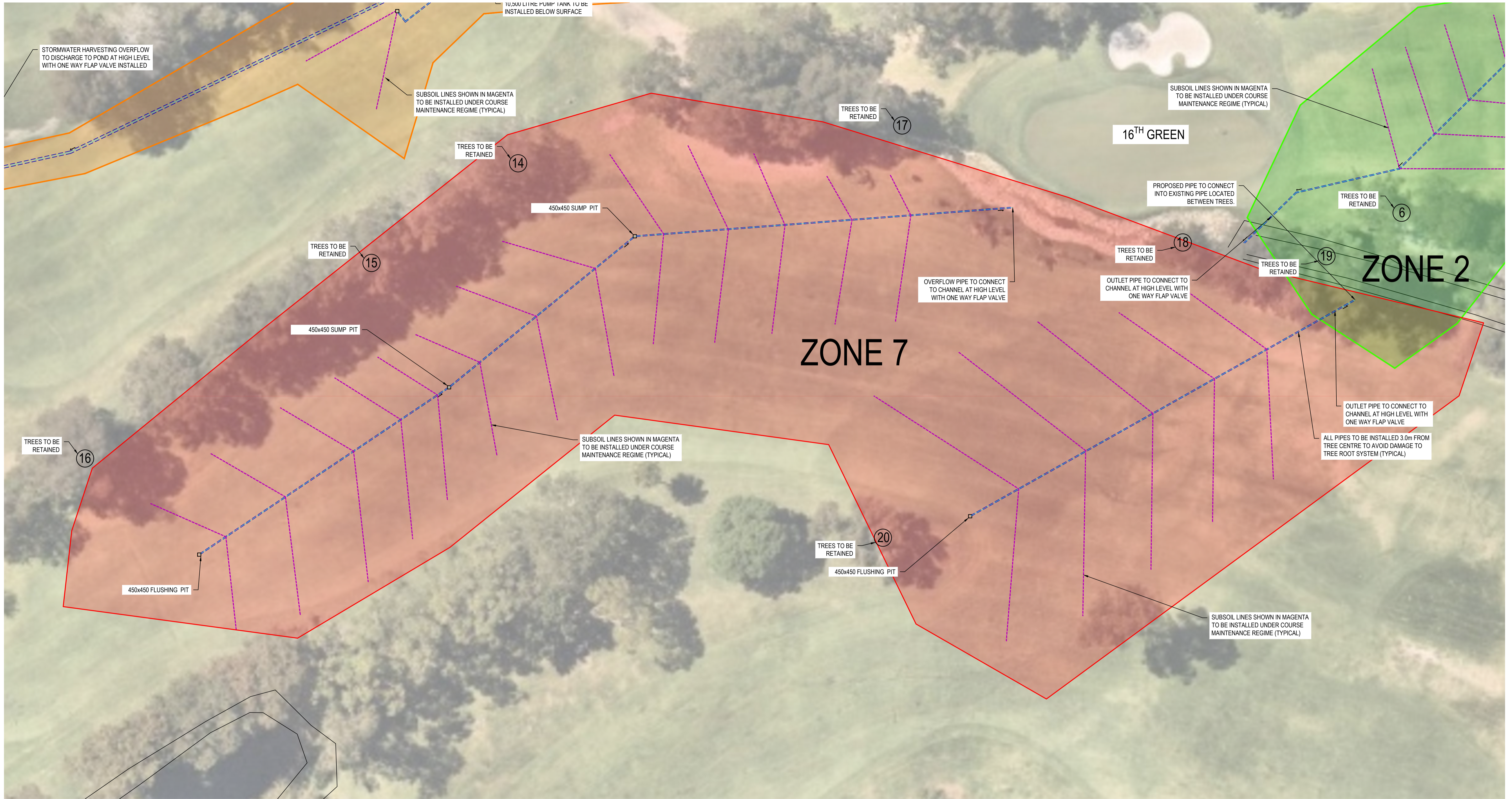
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UTILITIES LEGEND

	MAINS POWER
	STORMWATER HARVESTING COLLECTION PIPE
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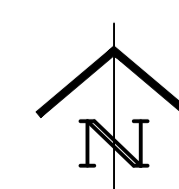
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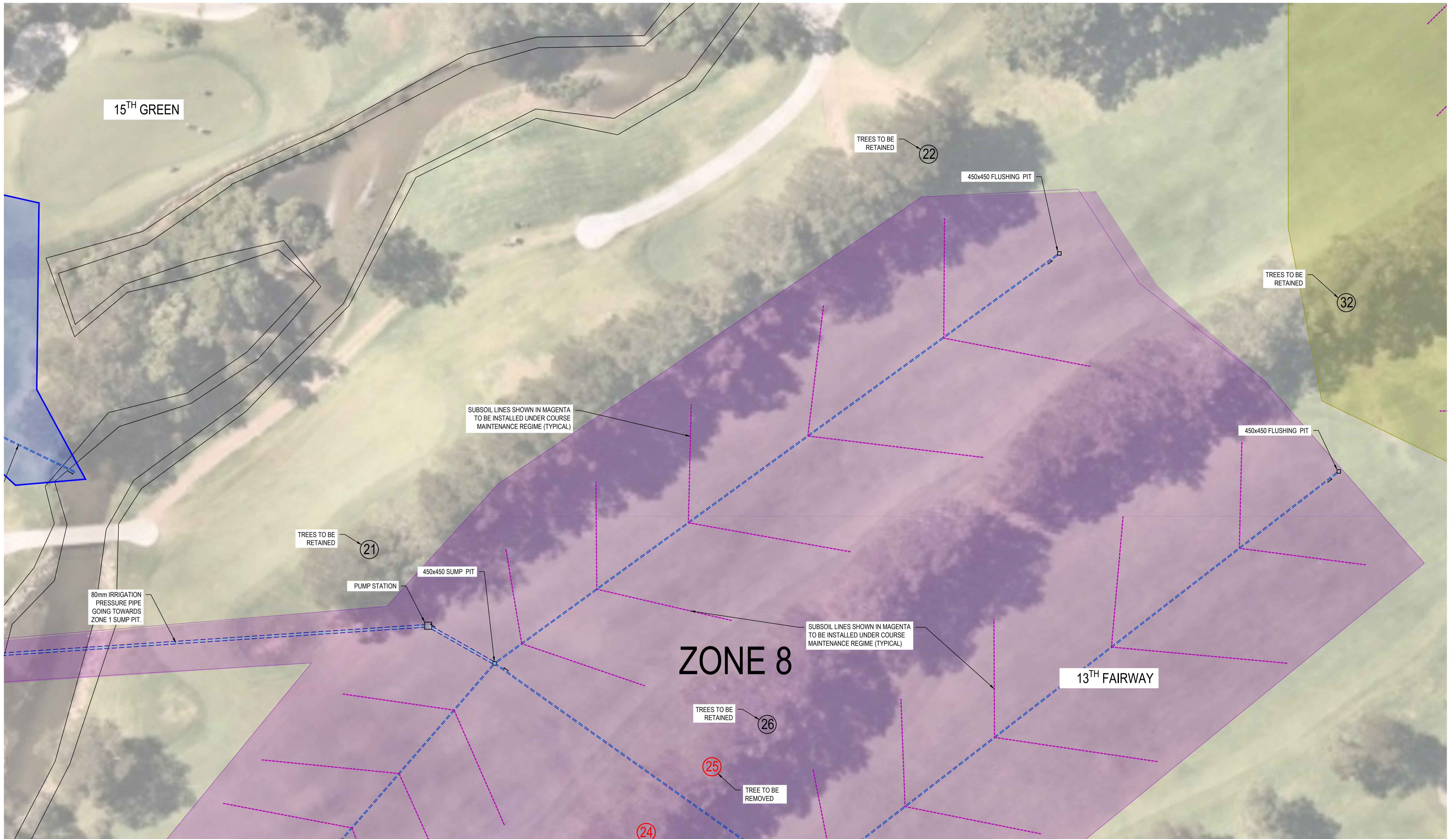
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UTILITIES LEGEND

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SCALE 1:500 @ A3

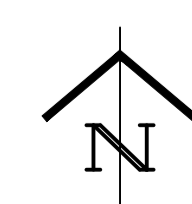


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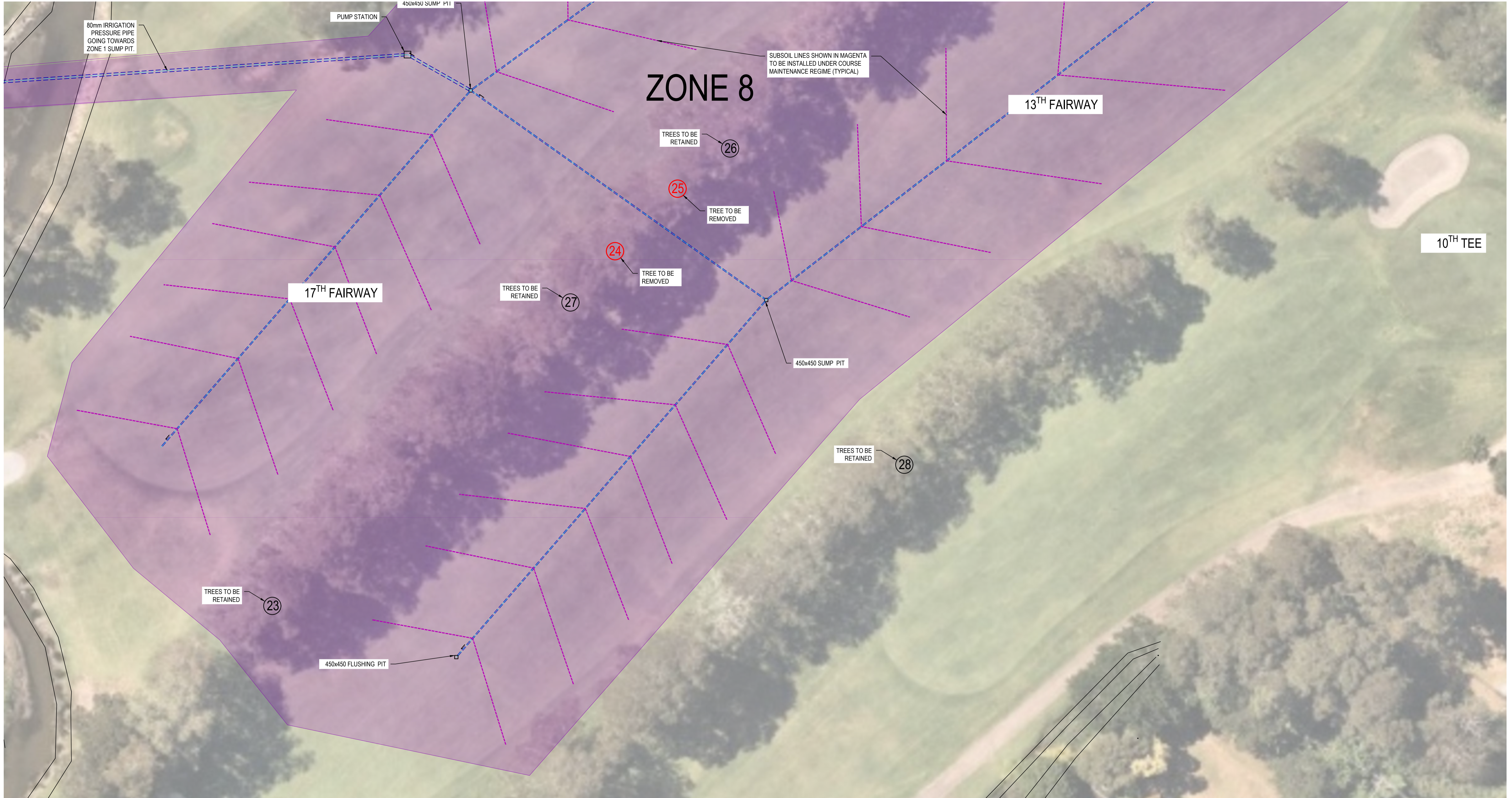
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ZONE 8 DETAIL PLAN - SHEET 1 OF 2

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UTILITIES LEGEND

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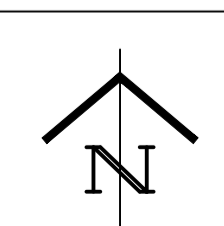


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UTILITIES LEGEND

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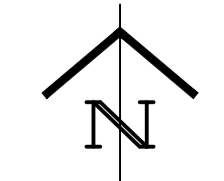
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SCALE 1:250 @ A1
 SCALE 1:500 @ A3
 

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SHEET No C120
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UTILITIES LEGEND

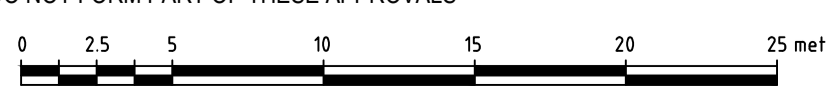
- - - - - MAINS POWER
- - - - - STORMWATER HARVESTING COLLECTION PIPE
- - - - - SUBSOIL DRAINAGE PIPE (COMPLETED UNDER COURSE MAINTENANCE AS REQUIRED)

THIS TEXT TO BE PRINTED IN COLOUR

NOTES:

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2. ALL SUBSOIL LINES SHALL BE INSTALLED UNDER COURSE MAINTENANCE AS REQUIRED TO DRAIN SATURATED LANDS AND DO NOT FORM PART OF THESE APPROVALS

SCALE 1:250 @ A1
SCALE 1:500 @ A3



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A	11.01.2021	ISSUE FOR REVIEW AND COMMENT
B	23.02.2021	ISSUE FOR REVIEW
C	09.03.2021	UPDATED AERIAL
D	17.03.2021	ISSUED FOR DEVELOPMENT APPLICATION

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ISSUE FOR DEVELOPMENT APPLICATION



BAYVIEW GOLF CLUB



CHRISP CONSULTING

15 Jersey Street, Turramurra
New South Wales, Australia 2074



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STORMWATER HARVESTING AND IRRIGATION

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ZONE 9 DETAIL PLAN - SHEET 2 OF 3

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ZONE 9





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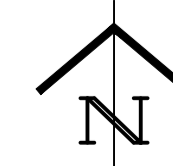
SCALE 1:250 @ A1
SCALE 1:500 @ A3



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STORMWATER HARVESTING AND IRRIGATION

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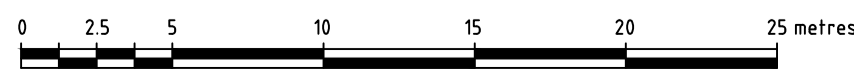
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STORMWATER HARVESTING AND IRRIGATION

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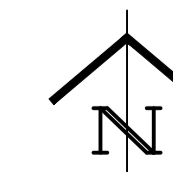
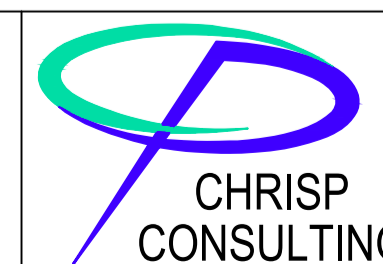
ZONE 10 DETAIL PLAN - SHEET 1 OF 2

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UTILITIES LEGEND

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STORMWATER HARVESTING AND IRRIGATION

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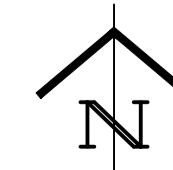
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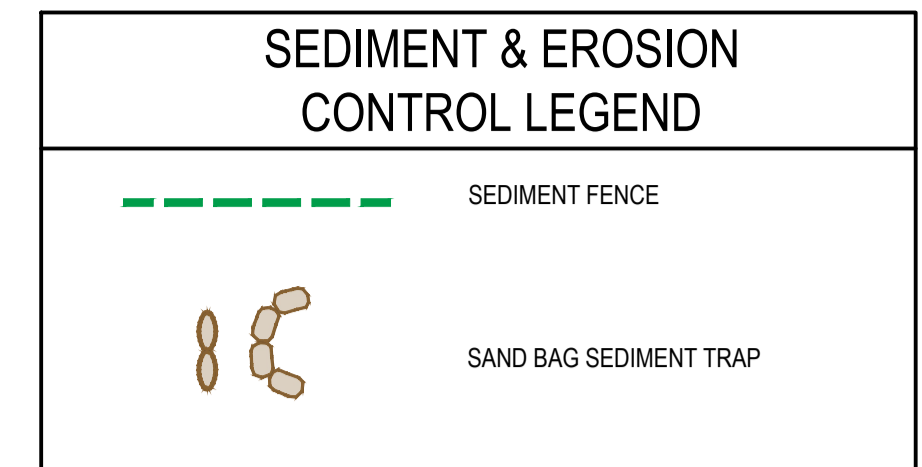
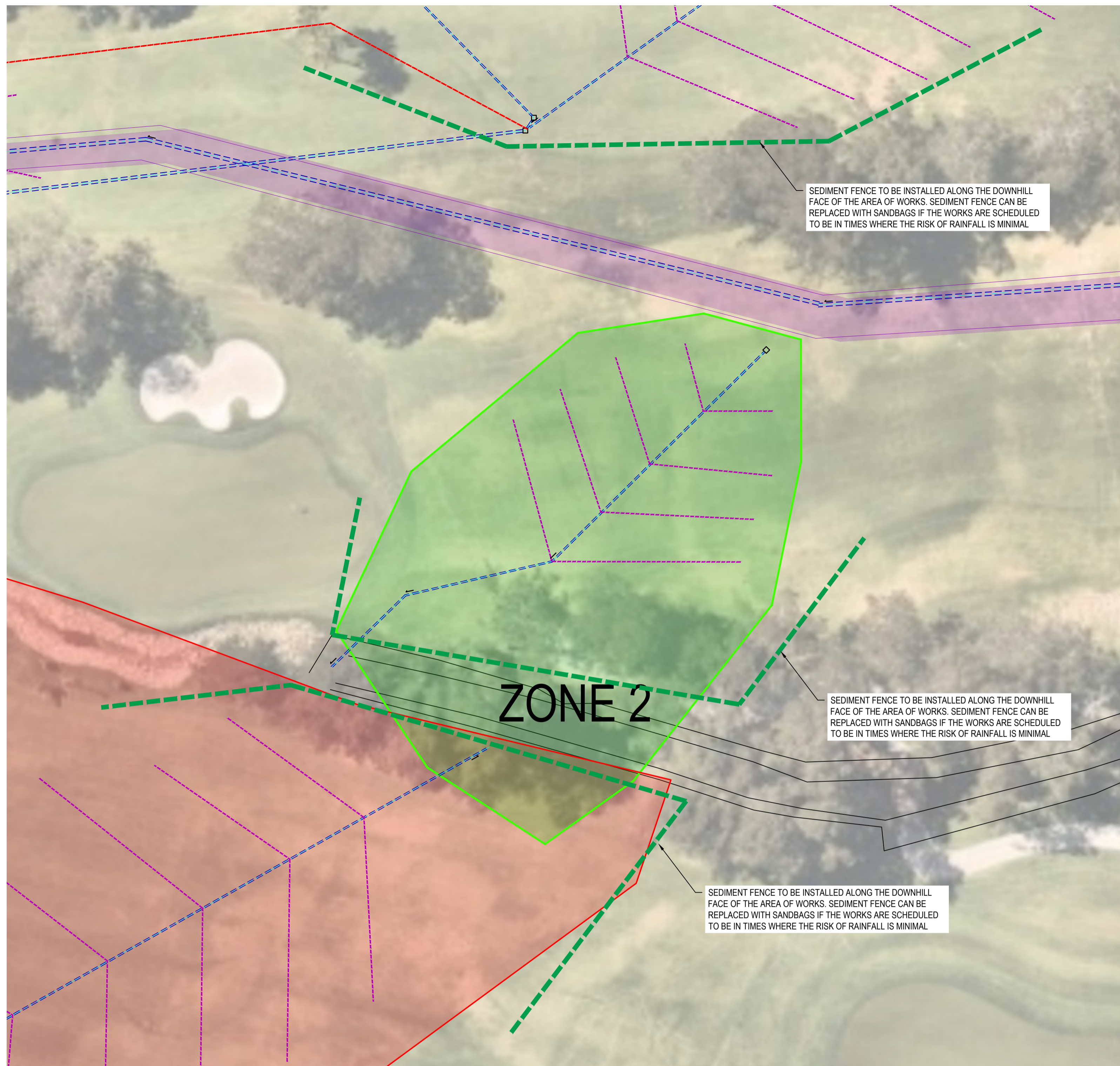
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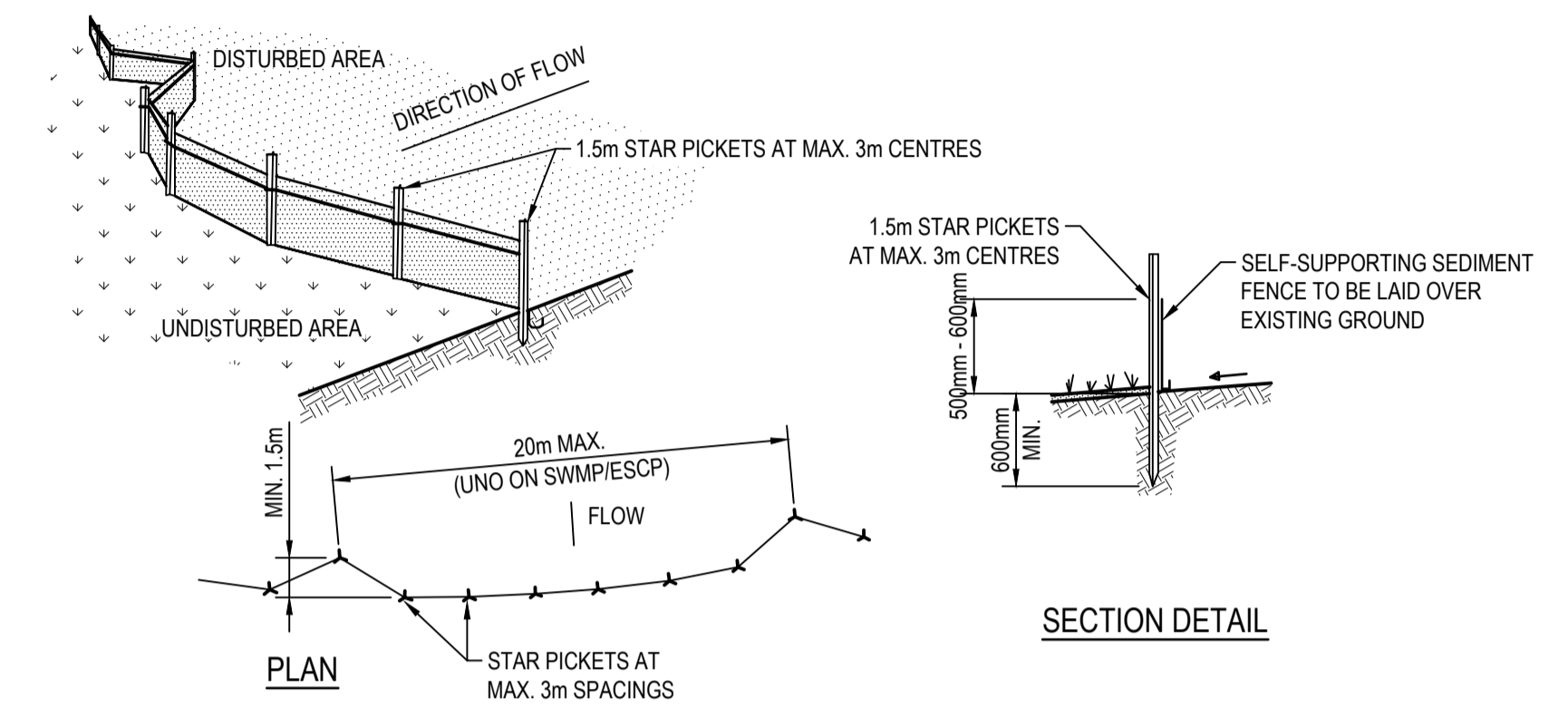


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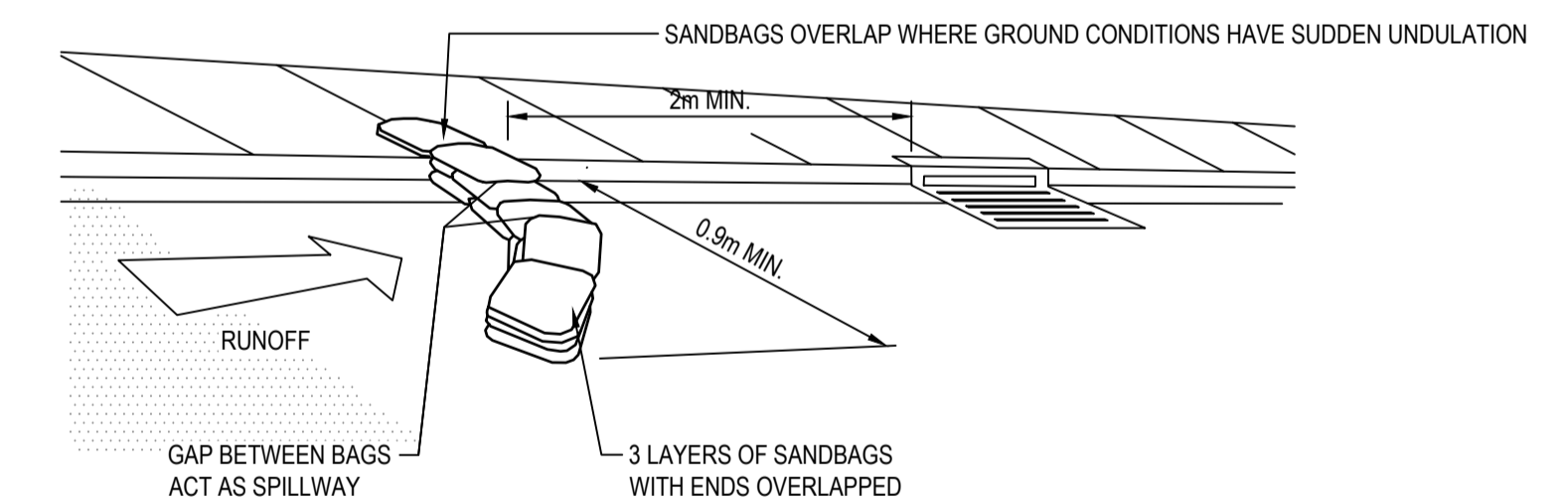


1. ALL STRIPPED TOPSOIL AND EARTHWORKS IS TO BE RELOCATED ON SITE AT THE DISCRETION OF THE CLIENT AND ARBORIST. FOR MATERIAL WHICH CANNOT BE RE-USED ON SITE, IT IS TO BE TAKEN OFF SITE AT THE COMPLETION OF EVERY SHIFT



- CONSTRUCTION NOTES**
1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
 2. DRIVE 1.5m LONG STAR PICKETS INTO GROUND, 3m APART.
 3. FIX SELF-SUPPORTING SEDIMENT FENCE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY SEDIMENT FENCE MANUFACTURER.
 4. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.

SEDIMENT CONTROL FENCE
N.T.S.



SANDBAG SEDIMENT TRAP
N.T.S.

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DIAL BEFORE YOU DIG

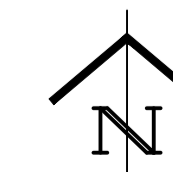
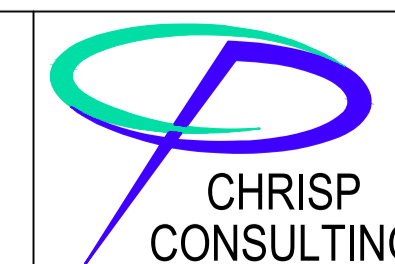
IMPORTANT: THE CONTRACTOR IS TO MAINTAIN A CURRENT SET OF "DIAL BEFORE YOU DIG" DRAWINGS ON SITE AT ALL TIMES.

ISSUE FOR DEVELOPMENT APPLICATION

STORMWATER HARVESTING AND IRRIGATION

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TYPICAL SEDIMENT & EROSION CONTROL PLAN & DETAILS

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JOB NUMBER: **20056** SCALE @ A1: 1:250 SHEET No: **C130** REV: **C**

SCALE 1:250 @ A1
SCALE 1:500 @ A3

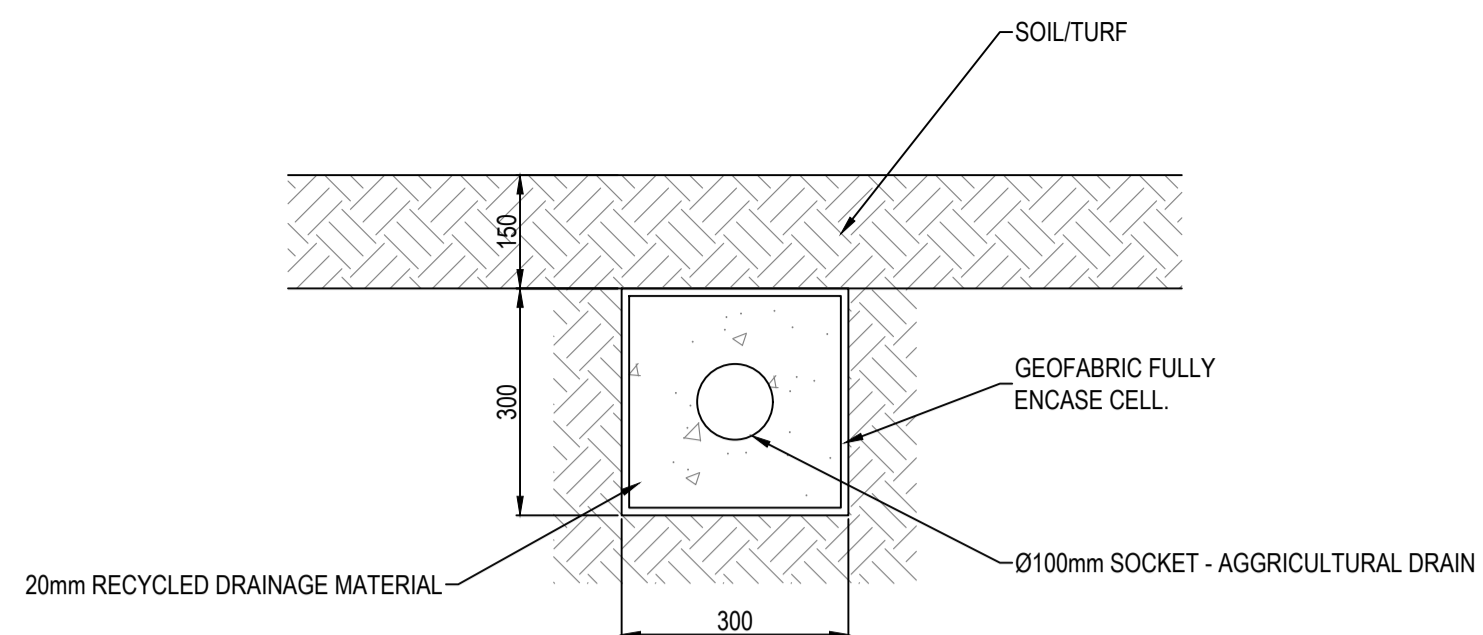
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SITWORKS NOTES

1. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK.
2. ALL WORK IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS, **COUNCIL SPECIFICATIONS** AND THE DIRECTIONS OF THE PRINCIPALS REPRESENTATIVE.
3. WHERE NEW WORKS ABOUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
4. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES OR TREES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER COMMUNICATIONS OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.
5. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
6. CONTRACTOR TO OBTAIN ALL AUTHORITY APPROVALS.
7. ALL BATTERS TO BE GRASSED LINED WITH MINIMUM 100 TOPSOIL AND APPROVED GRASS SEED OR TURF.
8. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY DIVERSION DRAINS AND MOUNDS TO ENSURE THAT AT ALL TIMES EXPOSED SURFACES ARE FREE DRAINING AND WHERE NECESSARY EXCAVATE SUMPS AND PROVIDE PUMPING EQUIPMENT TO DRAIN EXPOSED AREAS.
9. ON COMPLETION OF WORKS ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL INCLUDING, BUT NOT LIMITED TO, KERBS, FOOTPATHS, CONCRETE AREAS, GRASS AND LANDSCAPED AREAS.

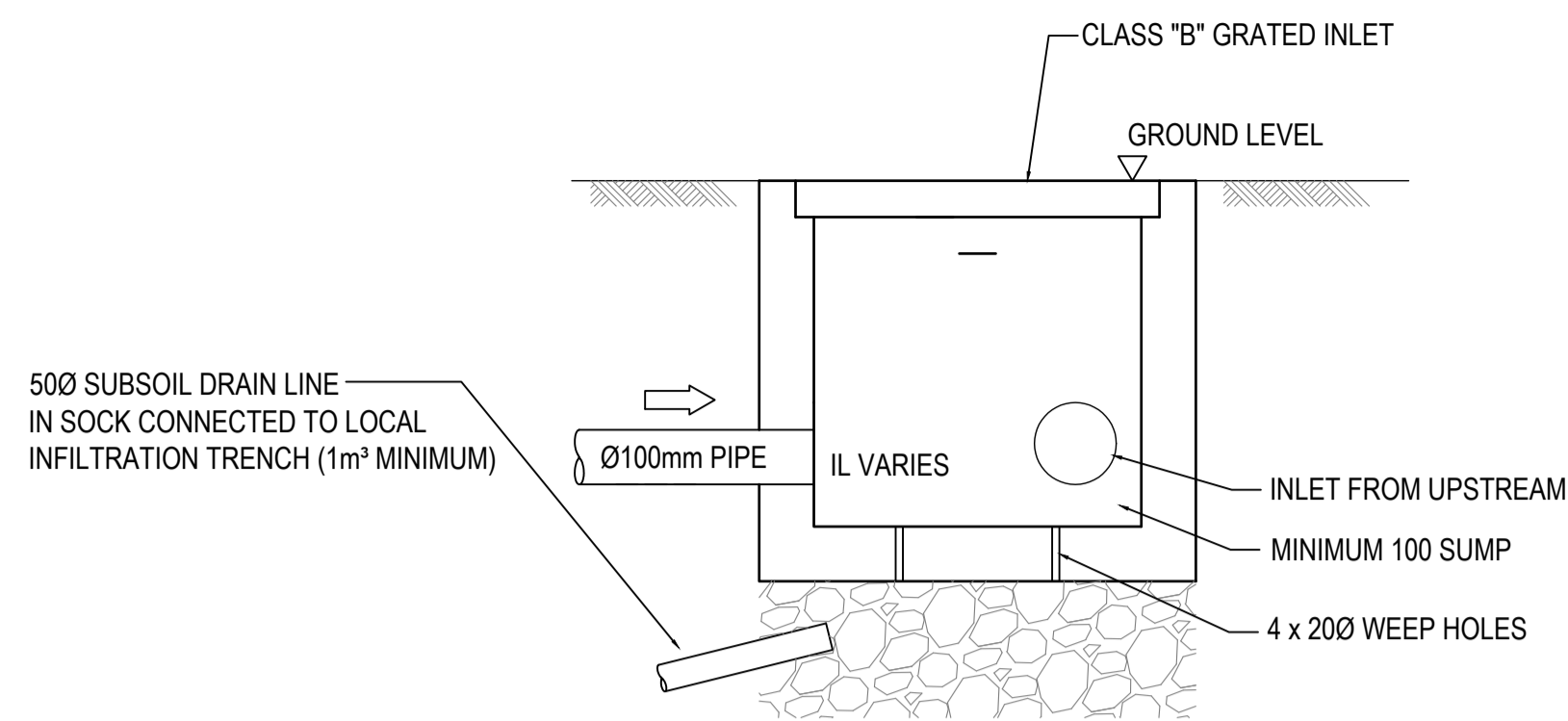
STORMWATER NOTES

1. MINIMUM GRADE TO STORMWATER LINES TO BE 1% (U.N.O.)
2. CONTRACTOR TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK.
3. ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH.
4. WHERE SUBSOIL DRAINAGE LINES PASS UNDER CONCRETE AND VEHICULAR PAVEMENTS UNSLOTTED UPVC SEWER GRADE PIPE SHALL BE USED.



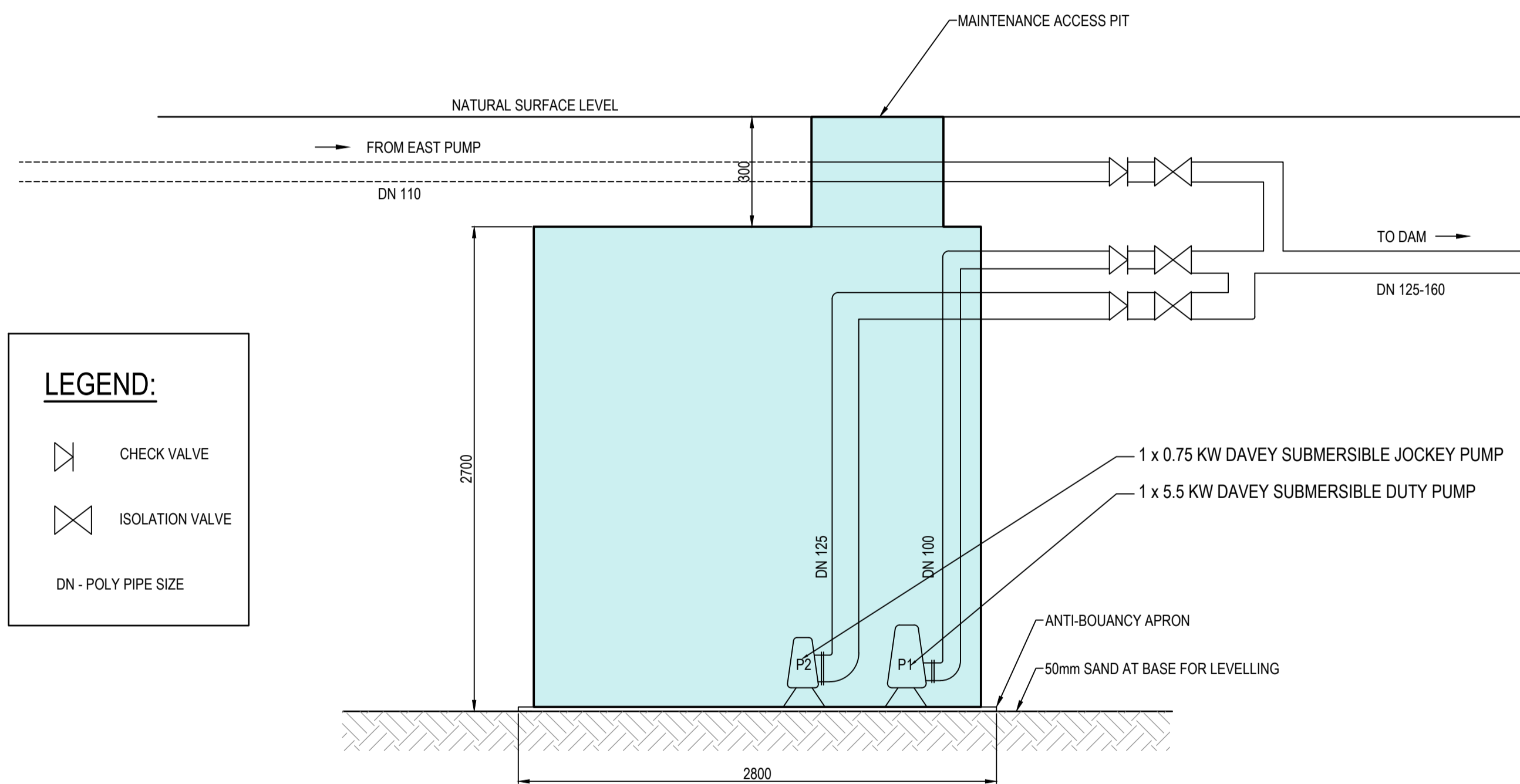
TYPICAL 100mm SUBSOIL LINE SYSTEM

SCALE 1:10



TYPICAL STORMWATER COLLECTION PIT

N.T.S.



PUMP STATION

SCALE 1:25

LEGEND:

- CHECK VALVE
- ISOLATION VALVE
- DN - POLY PIPE SIZE



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STORMWATER HARVESTING AND IRRIGATION

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PUMP STATION AND GENERAL WORKS DETAILS

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