BEFORE YOU DIG www.byda.com.au

LEGEND

- PROPOSED STORMWATER
- TEMPORARY STORMWATER
- PROPOSED GRATED INLET PIT
- PROPOSED KERB INLET PIT
- PROPOSED SAG PIT
- TEMPORARY GRATED INLET PIT
- PROPOSED FILTER MEDIA
- PROPOSED STACKED ROCK WALL
- PROPOSED BLACK ALUMINIUM POOL TYPE FENCE
- PROPOSED RETAINING WALL (CONCRETE SLEEPER)
- PROPOSED ROAD CENTRELINE
- DESIGN CONTOUR MAJOR (0.5m INTERVAL) — 72.0
- DESIGN CONTOUR MINOR (0.1m INTERVAL)
- EXISTING SEWER MAINTENANCE HOLE — SMH
- LINE NUMBER — 1
- PIT NUMBER — 1
- DESIGN SURFACE AND NATURAL SURFACE INTERFACE LINE
- EXISTING CONTOUR MAJOR (0.5m INTERVAL) — 72.0
- EXISTING CONTOUR MINOR (0.25m INTERVAL)
- TEMPORARY BASIN RAMP
- OSD SURFACE AREA
- EXISTING OVERHEAD — E-OH
- EXISTING TELSTRA — T
- EXISTING WATER — W
- EXISTING NBN — NBN
- EXISTING OPTUS — O
- EXISTING SEWER — S
- CATCH DRAIN
- FUTURE FOOTPATH
- FUTURE DRIVEWAY (BY FUTURE HOME'S OWNER (3.0m WIDE)
- PROPOSED SUBSOIL — ss
- FLUSHING POINT — FP
- (1) TOP OF KERB FLUSHING WITH KG AND BK
- (2) TOP OF KERB LEVEL - START TAPPERING DOWN
- (3) TOP OF KERB LEVEL - FINISH TAPPERING DOWN
- (4) SMOOTHEN OUT THE INVERT OF DISH DRAIN JOINING WITH THE INVERT OF KERB TO AVOID TRAP LOW POINT
- (5) LIP OF KERB

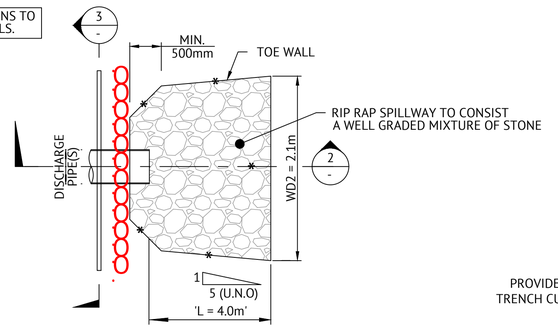
NOTES:

1. REFER TO SHEETS C620 AND C621 FOR PIPE LONGITUDINAL SECTIONS.
2. REFER TO SHEETS C670-C673 FOR HYDROLOGICAL & HYDRAULIC CACULATION TABLES.
3. REFER TO SHEETS C690 & C691 FOR PIT SCHEDULE & SETOUT.
4. CONNECT SUBSOIL DRAINS TO THE NEAREST DOWNSTREAM PITS.

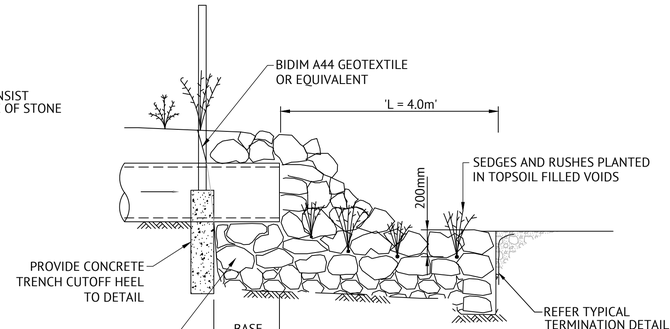
STACKED ROCK HEADWALL NOTES:

1. BACKFILL IS TO BE GRANULAR, FREE DRAINING AND COMPACTED TO 95% MAXIMUM DRY DENSITY.
2. FOUNDATION TO BE APPROVED FOR 200 kPa BEARING CAPACITY.
3. ROCK IS TO BE DURABLE BASALT OF OTHER MATERIAL APPROVED BY COUNCIL ENGINEER.
4. ROCKS SHALL BE PLACED IN SUCH A MANNER THAT THEY ARE STABLE AND INTERLOCKING AND LAID ROUGHLY COURSED AND BEDDED ON THEIR BROADEST BASE.
5. EACH ROCK SHALL BE;
   - ELONGATED TO ALLOW STACKING ON THE LONGEST AXIS,
   - ANGULAR IN SHAPE (PROMOTES INTERLOCKING),
   - FREE FROM OVERBURDEN, SPOIL, SHALE AND ORGANIC MATERIAL.
6. AIR VOIDS SHALL NOT EXCEED 30% VOLUME.
7. THE TOP COURSE OF ROCKS ON EMBANKMENT AND ADJACENT TO PIPE SHALL BE MORTARED INTO POSITION.
8. ROCK SCOUR PROTECTION IS TO FINISH FLUSH WITH ADJOINING GROUND SURFACE LEVEL.

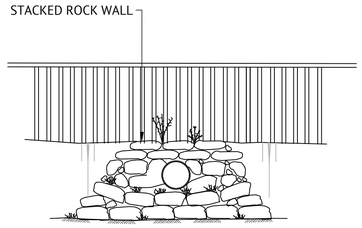
* ENSURE FLUSH TRANSITIONS TO ADJOINING SURFACE LEVELS.



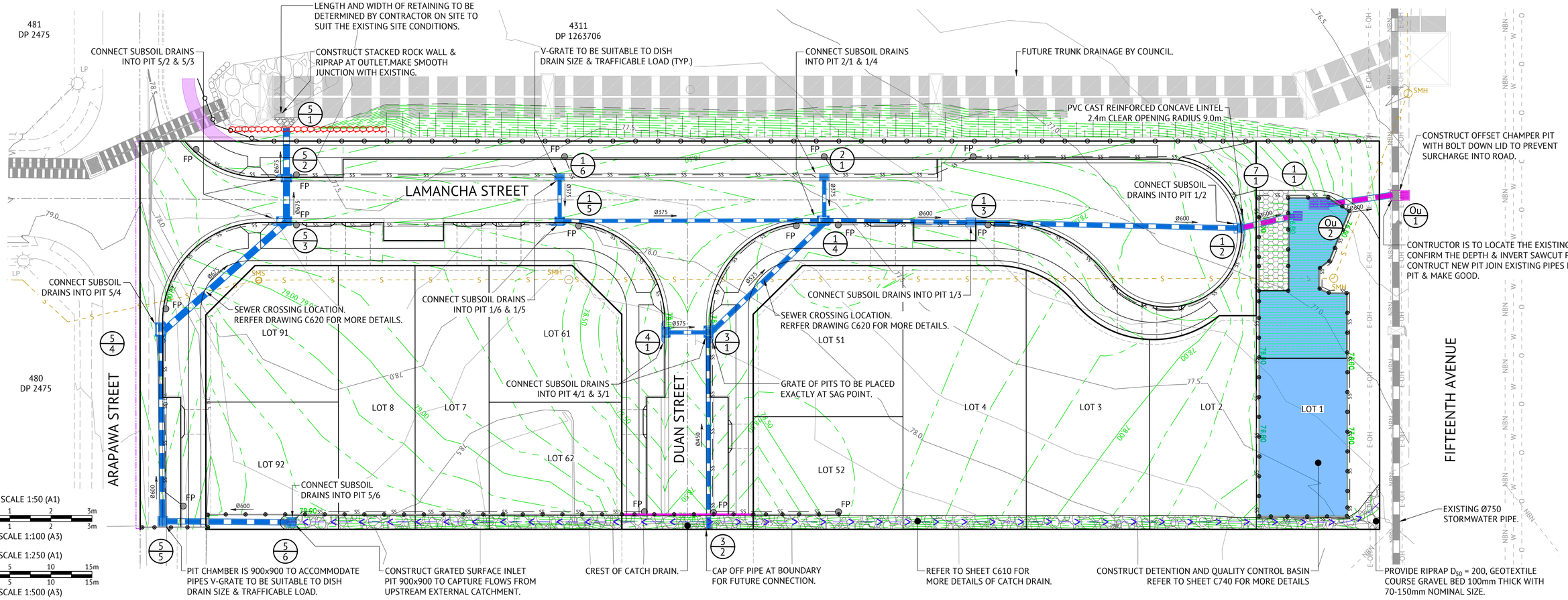
TYPICAL STACKED ROCK OUTLET HEADWALL
N.T.S.



SECTION 2 — SCALE N.T.S



SECTION 3 — SCALE N.T.S.



SCALE 1:50 (A1)
SCALE 1:100 (A3)
SCALE 1:250 (A1)
SCALE 1:500 (A3)

ISSUED FOR SWC APPROVAL

DATE	REV	DESCRIPTION	REC	APP
18/06/2025	C	DRAINAGE OUTLETS TO FIFTEENTH AVE AND COUNCIL CHANNEL UPDATED	FINN	KN
22/05/2024	B	ADDED BATTER ALONG LAMANCHA STREET, REISSUED FOR SWC APPROVAL	PMP	KN
12/12/2023	A	ISSUED FOR SWC APPROVAL	PMP	KN

REVISIONS

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DESIGNED: TUNG PHAM
CHECKED: KHA NGUYEN
PROJECT MANAGER: KHA NGUYEN
ENGINEERING CERTIFICATION: KHA NGUYEN
SCALE: AS SHOWN
ORIGINAL SHEET SIZE A1

CLIENT: MADINA ESTATE PTY LTD
PROJECT: PROPOSED TORRENS TITLE SUBDIVISION
LOCATION: 270 FIFTEENTH AVENUE, AUSTRAL, NSW 2179
SHEET TITLE: STORMWATER DRAINAGE LAYOUT PLAN

JOB CODE: P000186-04
SHEET NUMBER: C600
REV: C