



CONNECTION TO EXISTING PIT TO BE CONFIRMED ON SITE BY BUILDER, ENGINEER TO BE NOTIFIED. ELSE, CONNECT TO EXISTING KERB OUTLET AS GREY LINE

SUBSOIL DRAINAGE BEHIND RETAINING WALL TO STRUCTURAL ENGINEER'S DETAILS

600 SQ BOUNDARY PIT
SURFACE RL: 61.00 mAHD
INV RL: 60.70 mAHD

- NOTES:
1. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL'S DCP, AS3500.3 STORMWATER DRAINAGE.
 2. THE CONTRACTOR IS TO LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, WHETHER INDICATED ON THE PLANS OR NOT, AND MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST IF NECESSARY. ANY DAMAGE TO EXISTING SERVICES SHALL BE RECTIFIED AT THE CONTRACTORS EXPENSE.
 3. THE CONTRACTOR IS NOT TO ENTER UPON NOR DO ANY WORK WITHIN ADJOINING LANDS WITHOUT THE PERMISSION OF THE SUPERINTENDENT.
 4. THE CONTRACTOR SHALL EFFECT TEMPORARY DRAINAGE MEASURES TO AVOID LOCALISED PONDING OF SURFACE RUN-OFF.
 5. ALL NEW WORKS TO MAKE SMOOTH CONNECTION TO EXISTING CONDITIONS.
 6. THE CONTRACTOR IS TO MAINTAIN SERVICES AND ALL WEATHER ACCESS AT ALL TIMES TO ADJOINING PROPERTIES.
 7. ALL DRAINAGE ELEMENTS ARE SHOWN DIAGRAMMATICALLY BASED ON AVAILABLE DRAWINGS, TO BE INSTALLED WITH CONSIDERATION TO SITE CONSTRAINTS AND THE INTENT OF THE DRAINAGE CONCEPT.
 8. ALL DOWNPIPES ARE SHOWN DIAGRAMMATICALLY, POSITIONS ARE TO BE CONFIRMED ON SITE USING THE WORKING DRAWINGS.
 9. THE CONTRACTOR IS TO LOCATE AND LEVEL ALL EXISTING DRAINAGE PITS AND PIPES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND THE CONSTRUCTION IS TO COMMENCE FROM THE DOWNSTREAM PIT AND STRUCTURES.
 10. ALL DOWNPIPES ARE TO BE MINIMUM 90mm uPVC OR 100mm x 75mm U.N.O.
 11. ALL DOWNPIPES TO BE PROVIDED WITH CLEANING EYES.
 12. ALL STORMWATER PIPES ARE TO BE MINIMUM 100mm uPVC ON 1% MINIMUM GRADE U.N.O. AND TO HAVE MIN 100mm COVER.
 13. ALL GUTTERS TO BE INSTALLED WITH GUTTER GUARDS UNLESS NOTED OTHERWISE.
 14. ENSURE THAT ALL PITS AND PIPES ARE LOCATED CLEAR FROM ANY TREE ROOT SYSTEMS.
 15. ALL STORMWATER PITS TO BE LOCATED AT LOW POINTS TO PREVENT PONDED WATER.
 16. CHARGED DOWNPIPE LINES ARE TO BE 100MM SEWER GRADE UPVC AND SEALED FROM 300MM BELOW THE TOP OF THE DOWNPIPE.

- RAINWATER TANK NOTES:
1. RAINWATER REUSE SHALL BE PLUMBED FOR BOTH INDOOR AND OUTDOOR USE TO MAXIMISE REUSE.
 2. RAINWATER TANK IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND NORTHERN BEACHES COUNCIL'S DCP.
 3. THE TANK SHALL BE ENCLOSED AND ANY INLET INTO THE TANK SHALL BE SCREENED OR FILTERED AND FITTED WITH MEASURES TO PREVENT MOSQUITO BREEDING.
 4. A SIGN SHALL BE AFFIXED TO THE TANK CLEARLY STATING THAT THE WATER IN THE TANK IS RAINWATER AND ALL TAPS AND RAINWATER TANK APERTURES SHALL BE SIMILARLY MARKED.
 5. PLUMBER TO ENSURE INSTALLATION OF THE RAINWATER SYSTEM IS IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS AND THE RAINWATER TANK DESIGN AND INSTALLATION HANDBOOK - HB 230 2008.
 6. ALL CONNECTIONS TO PLUMBING AND RAINWATER TANKS TO BE IN ACCORDANCE WITH SYDNEY WATER'S GUIDE "INSTALLING A RAINWATER TANK".
 7. PROVIDE A DUAL SUPPLY SYSTEM AND BACKFLOW PREVENTION SYSTEM IN ACCORDANCE WITH "BASIX DESIGN GUIDE FOR SINGLE DWELLINGS".

SUBSOIL DRAINAGE BEHIND GARAGE WALL TO STRUCTURAL ENGINEER'S DETAILS

EXISTING DRAINAGE TO BE RETAINED

BUILDER TO INSPECT AND LOCATE EXISTING STORMWATER ASSETS. REPLACE IF DAMAGED, REUSE IF IN GOOD CONDITION. CONNECTIONS TO THE PROPOSED STORMWATER SYSTEM TO BE MADE GOOD. ENGINEER TO BE NOTIFIED

EXISTING ROOF TO BE RETAINED

ALTERATIONS AND ADDITIONS
ADDITIONAL IMPERVIOUS AREA IS <50m², OSD TANK IS NOT REQUIRED

EXISTING WATER TANK TO BE CONFIRMED ON SITE

1000L AQUARIUS W1000L UNDERDECK RAINWATER TANK 1200W X 395H X 3000L AS PER BASIX, TO COLLECT RAINWATER FROM HALF OF EXISTING ROOF

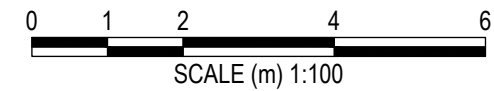
LEGEND PROPOSED

- STORMWATER PIPE
- CHARGED LINE
- GRATED PIT
- DOWNPIPE
- GRATED DRAIN
- GRADE DIRECTION
- BOUNDARY LINE

ISSUED FOR CONSTRUCTION

STORMWATER PLAN (SHEET 1 OF 2)

SCALE 1:100



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HYVE DESIGNS



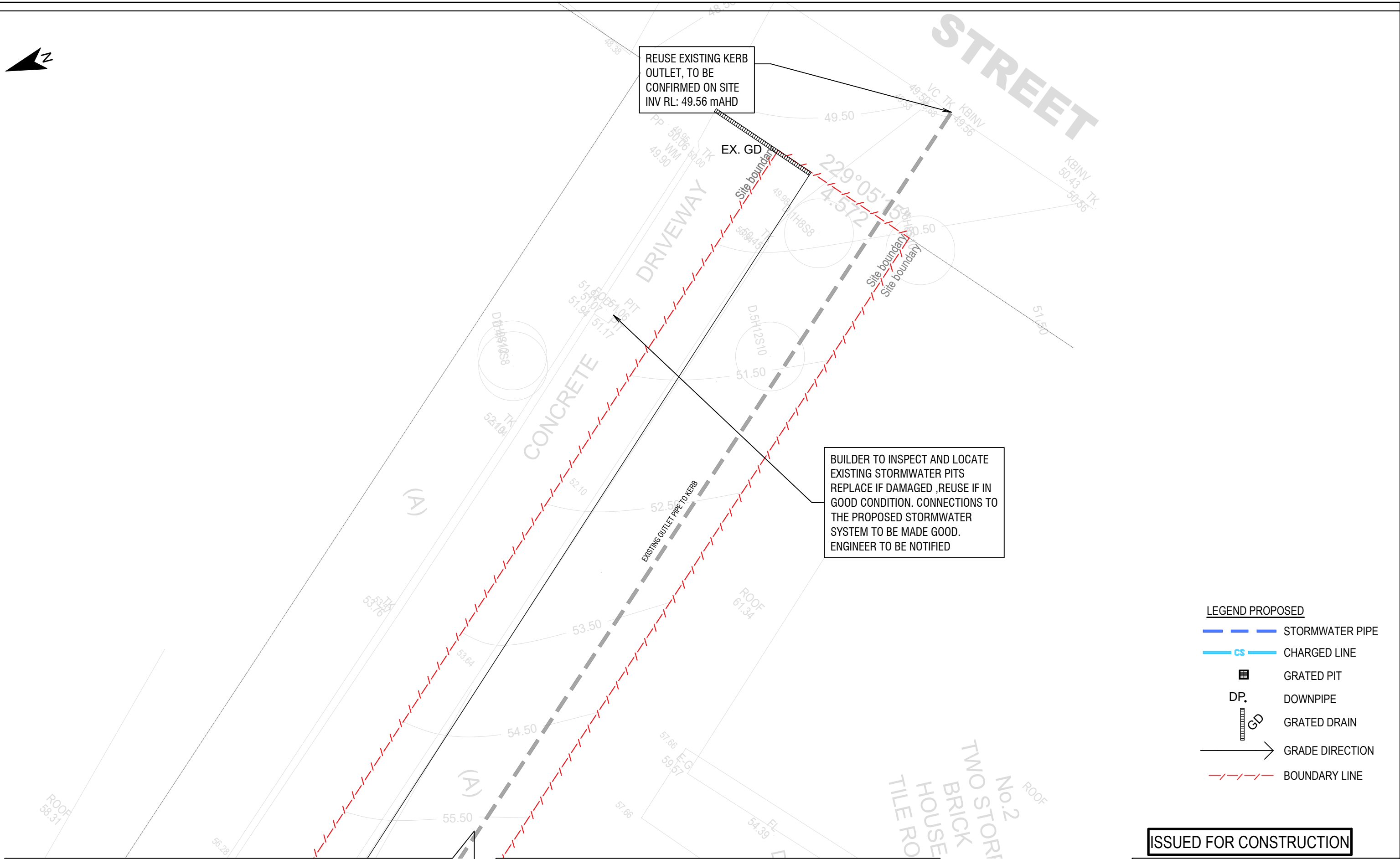
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CLIENT
GEORGE & LISA TREMOPOULOS

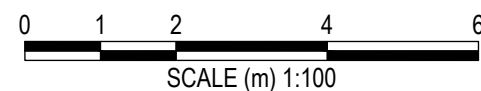
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SCALE 1:100



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SCALE NTS



SCALE NTS

IMPERVIOUS AREA

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IMPERVIOUS AREA PLANS

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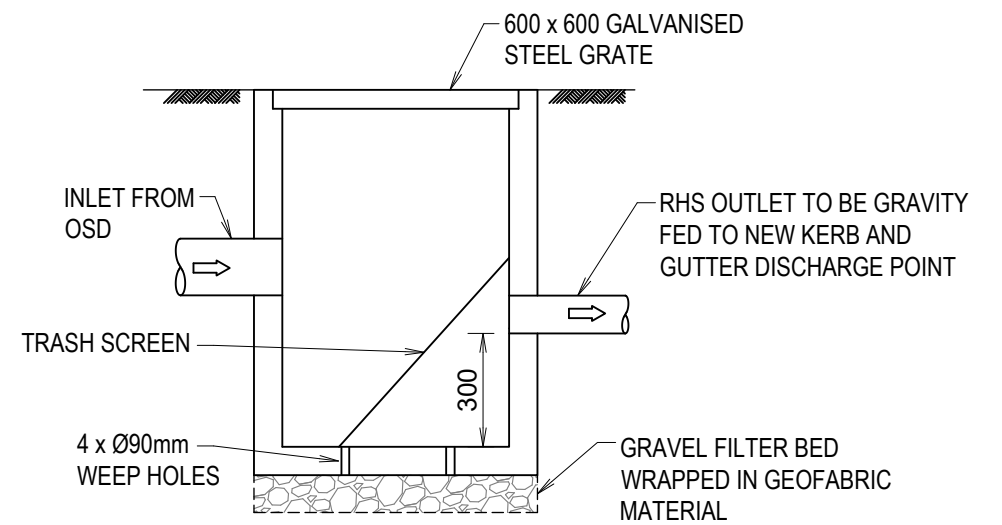
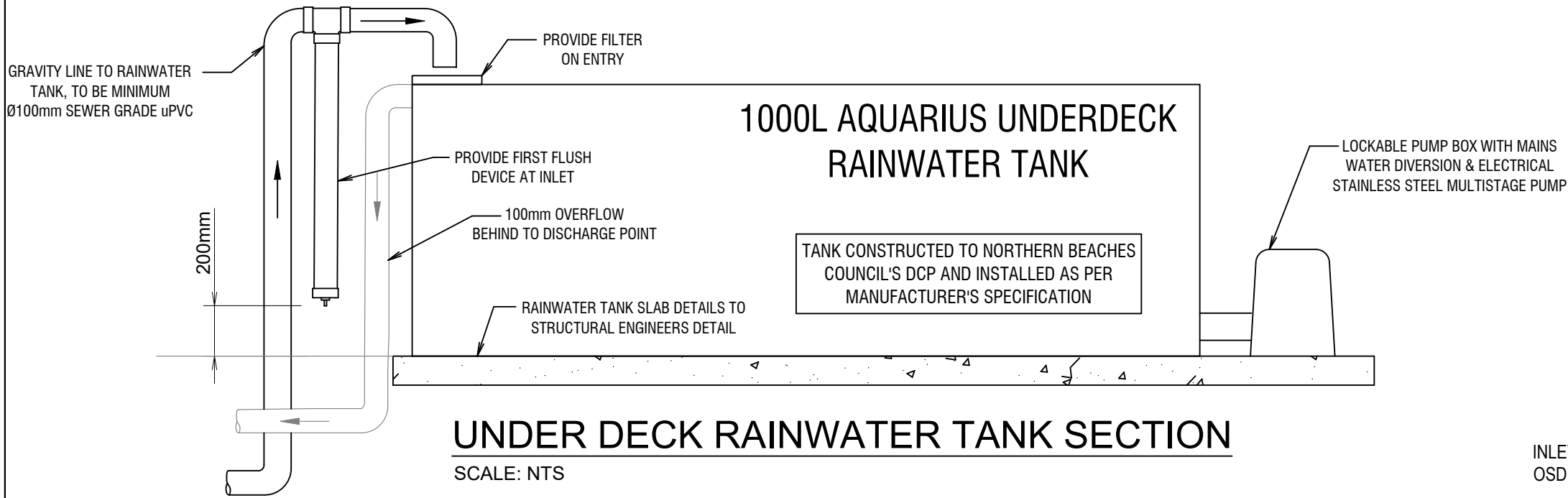
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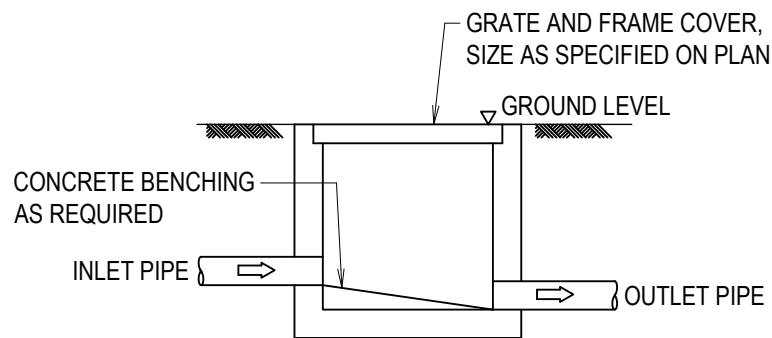
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SILT ARRESTOR PIT DETAILS

SCALE: NTS



TYPICAL PIT

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CONSTRUCT TEMPORARY RUBBLE ENTRY / EXIT TO PREVENT TRANSFER OF SEDIMENT AND DEBIS DURING VEHICULAR TRAFFIC (REFER DETAIL FOR STABILISED SITE ACCESS). LOCATION TO BE CONFIRMED ON SITE.

WILLIAM STREET

SEDIMENT AND EROSION CONTROL PLAN

SCALE 1:200

LEGEND PROPOSED

- BOUNDARY LINE
- SEDIMENT FENCE
- KERB SANDBAG TRAP
- STOCKPILE
- STABILISED SITE ACCESS

NOTES:

- THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
- ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
 - LOCAL AUTHORITY REQUIREMENT
 - EPA REQUIREMENTS
 - NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
 - LANDCOM'S MANAGING URBAN STORMWATER - SOIL AND CONSTRUCTION 'THE BLUE BOOK' LATEST EDITION.
- MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
- CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.
- WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
- TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.
- AFTER RAIN, INSPECT, CLEAN, AND REPAIR IF REQUIRED, TEMPORARY EROSION & SEDIMENT CONTROL MEASURES.
- THE EROSION & SEDIMENT CONTROL PLAN PROVIDED IS ONLY INDICATIVE. THE CONTRACTOR SHOULD PREPARE A DETAILED ESCP SUITABLE FOR THE SPECIFIC SITE CONDITIONS
- ALL WORK IS TO BE CARRIED OUT TO PREVENT EROSION, CONTAMINATION & SEDIMENTATION OF THE STORAGE SITE, SURROUNDING AREAS & DRAINAGE SYSTEMS.
- MINIMISE DISTURBED AREA COVERED WITH NATURAL VEGETATION. ONLY THOSE AREAS DIRECTLY REQUIRED FOR CONSTRUCTION ARE TO BE DISTURBED.
- INSTALL EROSION/SEDIMENT CONTROL MEASURES PRIOR TO COMMENCEMENT OF CONSTRUCTION OR EXCAVATION OPERATIONS.
- DO NOT STOCKPILE EXCAVATED MATERIAL ON THE ROAD WAY.
- DIVERT CLEAN WATER FROM UNDISTURBED AREAS AROUND THE WORKING AREAS.
- CONSTRUCTION ENTRY/EXIT SHALL BE VIA THE LOCATION NOTED ON THE DRAWING. CONTRACTOR SHALL ENSURE ALL DROPPABLE SOIL & SEDIMENT IS REMOVED PRIOR TO CONSTRUCTION TRAFFIC EXITING SITE. CONTRACTOR SHALL ENSURE ALL CONSTRUCTION TRAFFIC ENTERING AND LEAVING THE SITE DO SO IN A FORWARD DIRECTION.

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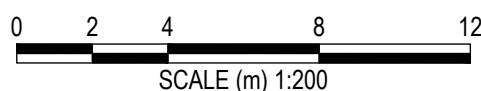
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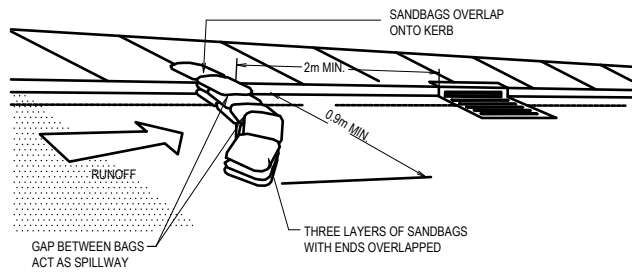
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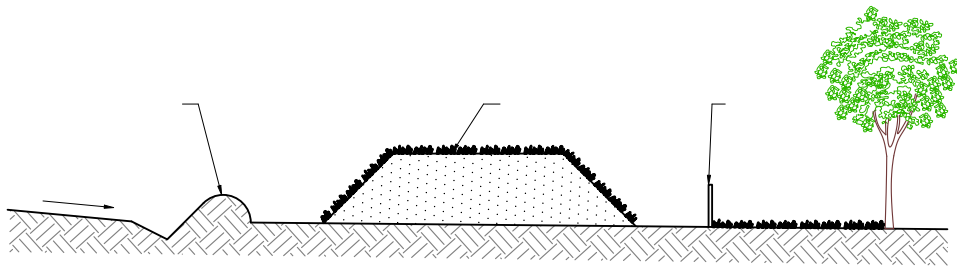
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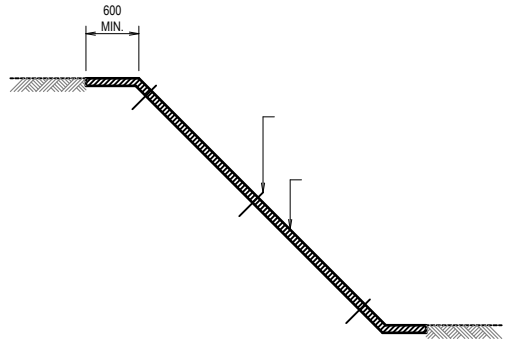




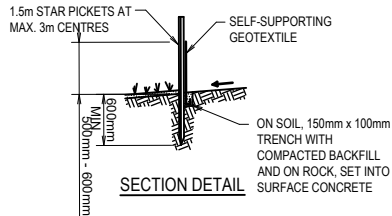
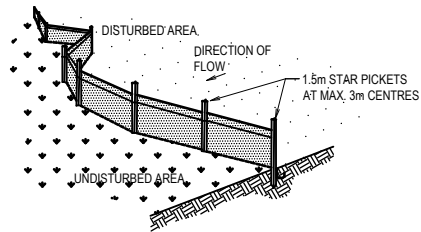
SANDBAG KERB INLET SEDIMENT TRAP.
N.T.S.



STOCKPILES
N.T.S.



TYPICAL EROSION CONTROL DETAILS
FOR SLOPES 2H:1V OR STEEPER
N.T.S.

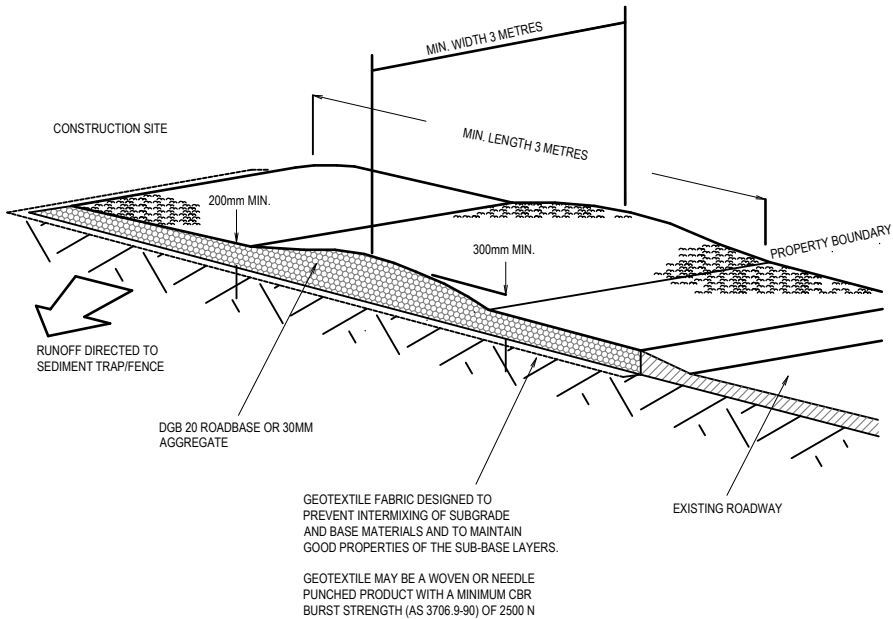


CONSTRUCTION NOTES

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, 3 METERS APART.
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC.
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER.
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.

SEDIMENT CONTROL FENCE

N.T.S.



CONSTRUCTION NOTES

1. STRIP TOPSOIL AND LEVEL SITE
2. COMPACT SUBGRADE.
3. COVER AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
4. CONSTRUCT 200mm THICK PAD OVER GEOTEXTILE USING ROADBASE OR 30MM AGGREGATE. MINIMUM LENGTH 15m OR TO BUILDING ALIGNMENT. MINIMUM WIDTH 3 METRES.
5. CONSTRUCT HUMPS IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR OTHER SEDIMENT TRAP.

STABILISED SITE ACCESS

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