

ALTERATIONS AND ADDITIONS

at: 60 HUDSON PARADE, CLAREVILLE

for: OLIVER HARTLEY

Architect: BENNETT MURADA ARCHITECTS

Prepared By:



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DRAWING SCHEDULE:

- D101 A STORMWATER DRAINAGE GENERAL NOTES
- D102 A SITE STORMWATER DRAINAGE PLAN
- D103 B LOWER GROUND FLOOR STORMWATER DRAINAGE PLAN
- D110 A STORMWATER DRAINAGE DETAILS SHEET 1
- D130 B SEDIMENT AND EROSION CONTROL PLAN

ISSUED FOR
SECTION 4.55
SUBMISSION ONLY
NOT FOR
CONSTRUCTION

IF IN DOUBT ASK

2204111

REV. B - 12.05.2025

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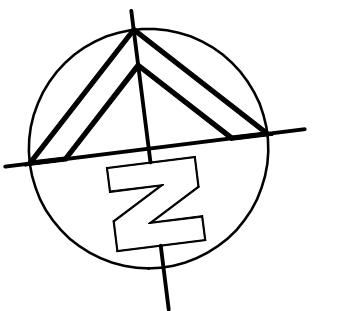
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DIRECTION OF SURFACE RUNOFF

NOTE: ALL DRAINAGE LINE LOCATIONS ARE INDICATIVE ONLY.
LOCATION MAY VARY DUE TO CONSTRAINTS.

HATCH DENOTES WORKS OUTSIDE
OF SECTION 4.55 SCOPE

SCALE = 1 : 200



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A1

[illegible]

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NOTE:

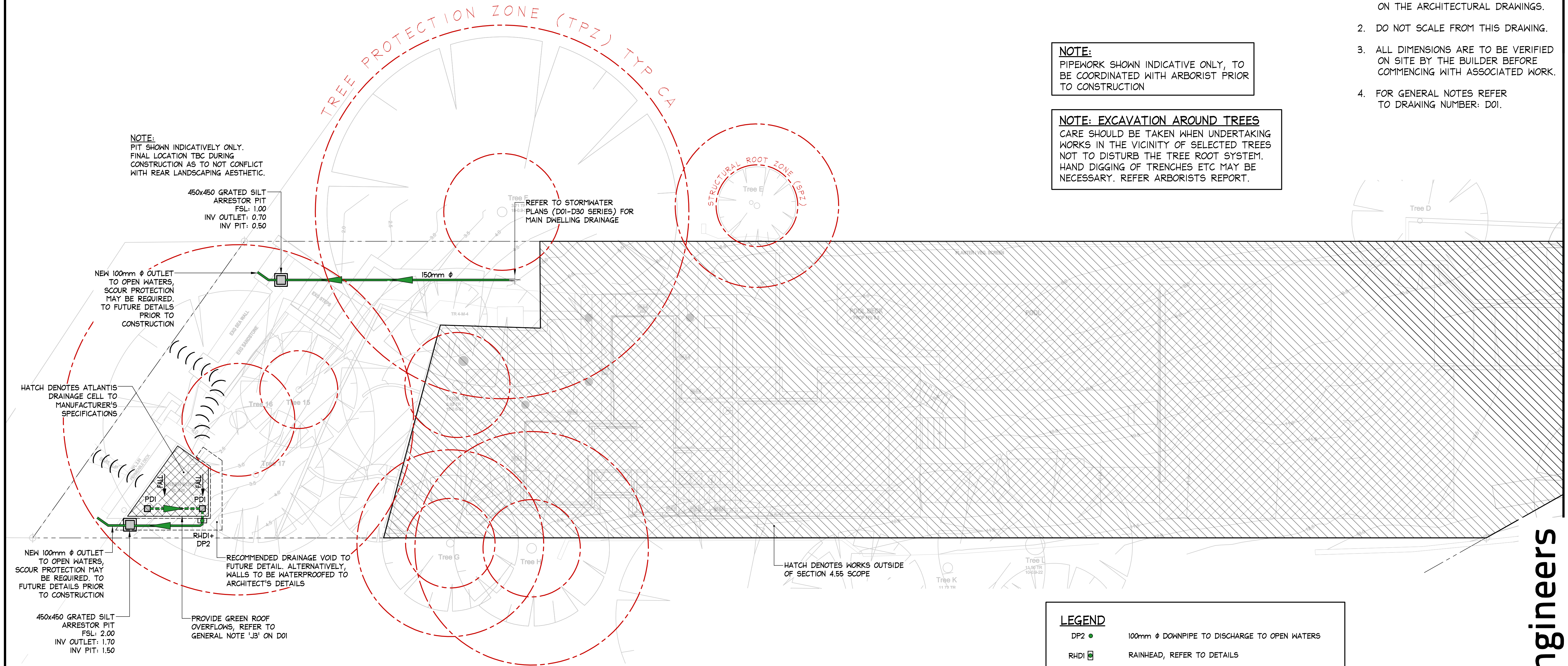
PIPEWORK SHOWN INDICATIVE ONLY, TO BE COORDINATED WITH ARBORIST PRIOR TO CONSTRUCTION

NOTE: EXCAVATION AROUND TREES

CARE SHOULD BE TAKEN WHEN UNDERTAKING WORKS IN THE VICINITY OF SELECTED TREES NOT TO DISTURB THE TREE ROOT SYSTEM. HAND DIGGING OF TRENCHES ETC MAY BE NECESSARY. REFER ARBORISTS REPORT.

NOTE:

PIT SHOWN INDICATIVELY ONLY. FINAL LOCATION TBC DURING CONSTRUCTION AS TO NOT CONFLICT WITH REAR LANDSCAPING AESTHETIC.



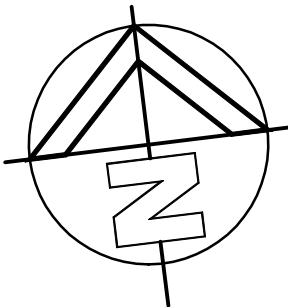
LOWER GROUND FLOOR STORMWATER DRAINAGE PLAN

SCALE = 1 : 100

LEGEND

- DP2 ● 100mm ϕ DOWNPIPE TO DISCHARGE TO OPEN WATERS
- RHD1 RAINHEAD, REFER TO DETAILS
- MIN. 65mm ϕ uPVC STORMWATER PIPE CAST INTO SLAB
- NEW SURFACE DRAINAGE STORMWATER PIPE
- ▲ STORMWATER PIPE FLOW DIRECTION
- STORMWATER PIT
- PDI PLANTER DRAIN, REFER TO DETAILS
- ((((OVERLAND FLOW PATH

NOTE: ALL DRAINAGE LINE LOCATIONS ARE INDICATIVE ONLY. LOCATION MAY VARY DUE TO CONSTRAINTS.



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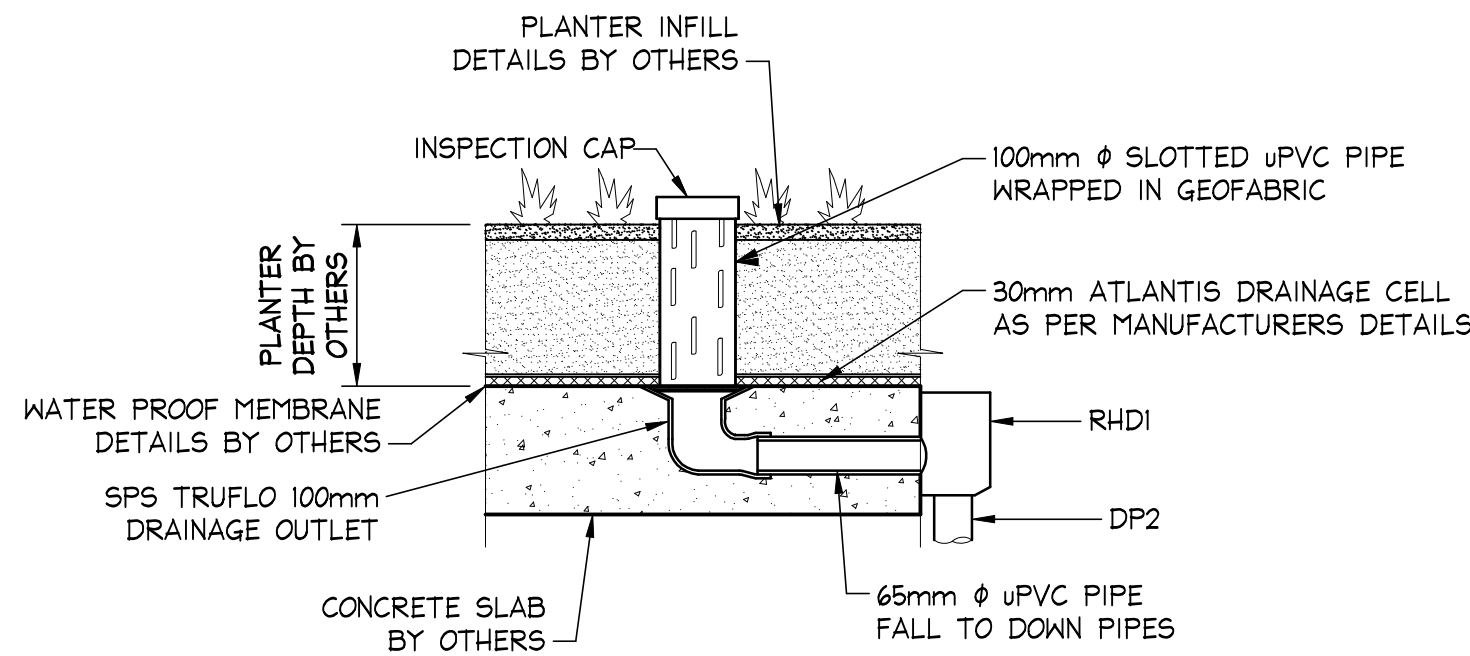
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DOCUMENT CERTIFICATION				Architect:		Project:	Date:	Design:	Drawn:
Date : 12 May '25 Michael Wachjo B.E.(Civil), MIEAust. (Director NB Consulting Engineers)				BENNETT MURADA ARCHITECTS		ALTERATIONS AND ADDITIONS 60 HUDSON PARADE, CLAREVILLE	AUG '22	LB	NB
The copyright of this drawing remains with NB Consulting Engineers				OLIVER HARTLEY		STORMWATER DRAINAGE PLAN	Job No:	Drawing No:	Issue:
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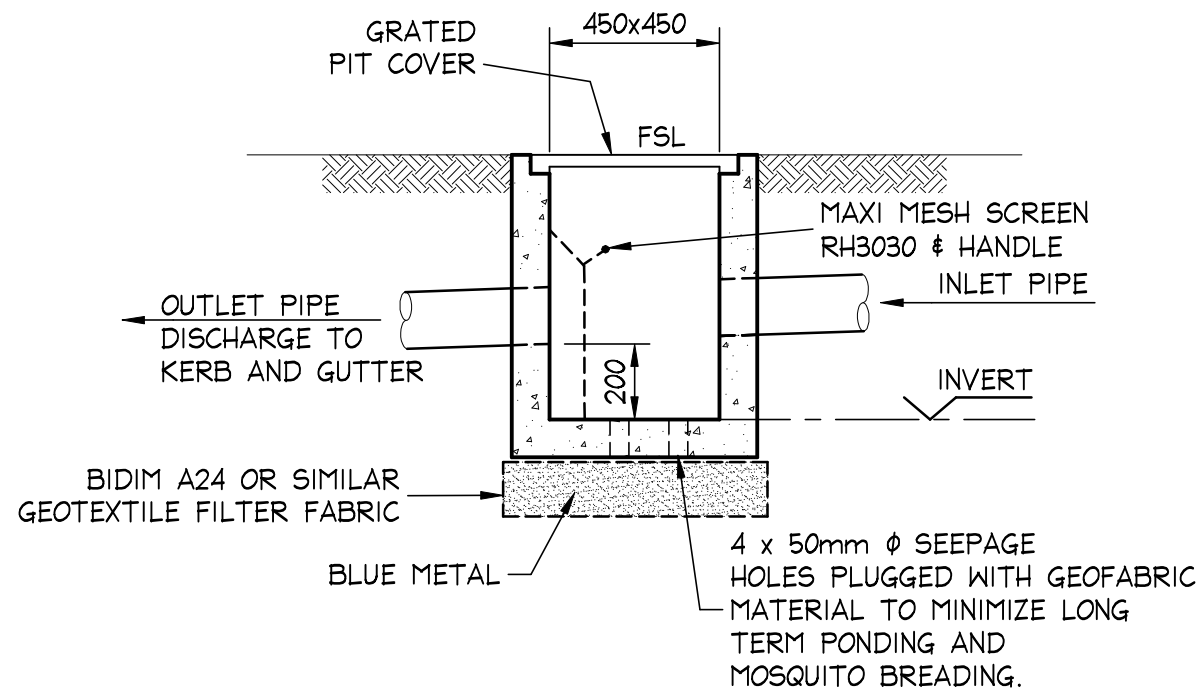
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02.12.2024	A	ISSUED FOR SECTION 4.55	NB	-
Date:	Issue:	Description:	By:	Review:



REFER TO MANUFACTURERS SPECIFICATION
FOR SPS DRAINAGE OUTLETS

STANDARD PLANTER DRAIN - 'PDI'

SCALE = 1 : 10



PRECAST OR CAST INSITU PIT
REFER STORMWATER NOTES
ALTERNATE POLYPROPYLENE PIT BY MANUFACTURER

450x450 SILT ARRESTOR PIT DETAIL

SCALE = 1 : 20

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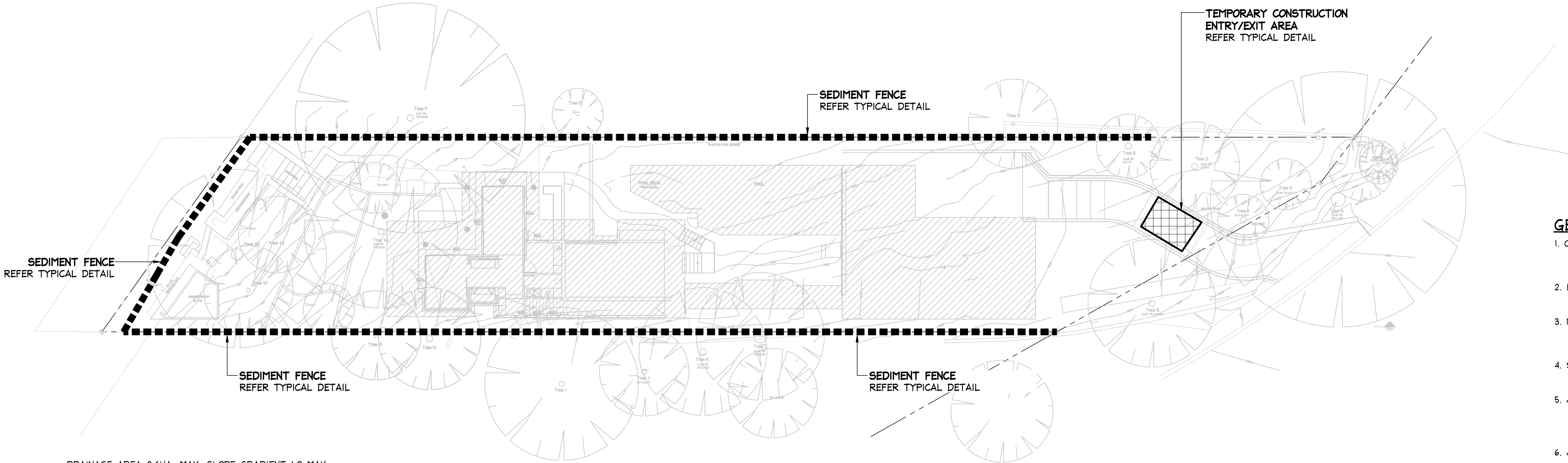
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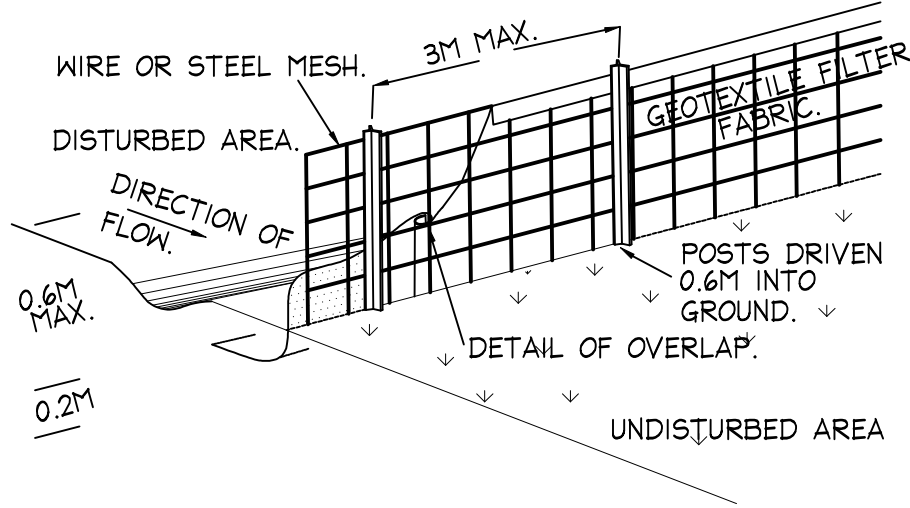
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- GENERAL NOTES :**
1. CONSTRUCTION VEHICLES ARE TO LEAVE AND ENTER THE SITE OVER AN ALL WEATHER SURFACE CONSISTING OF COURSE CRUSHED STONE OR BLUE METAL CONSTRUCTED WITHIN THE FRONT SETBACK AREA OPPOSITE THE EXISTING FOOTPATH CROSSING UNLESS NOTED OTHERWISE.
 2. EXCAVATION MACHINERY ARE TO BE UNLOADED AND LOADED UPON THIS ALL WEATHER SURFACE. CONCRETE PUMPS AND TRUCKS WILL ALSO UTILISE THE ALL WEATHER SURFACE FOR THEIR OPERATIONS.
 3. MATERIALS WILL BE UNLOADED UPON THE ALL WEATHER SURFACE WITHIN THE FRONT SETBACK AREA BY MEANS OF CRANES MOUNTED ON THE BACK OF DELIVERY TRUCKS OR UNLOADED BY HAND. IT IS NOT ENVISAGED THAT A MOBILE CRANE WILL BE REQUIRED DURING THE CONSTRUCTION PROCESS.
 4. SOME STOCKPILING OF TOPSOIL REMOVED FROM THE BUILDING AREA MAY BE STORED ON THE SITE DURING THE CONSTRUCTION WITHIN THE PROPERTY IN AN AREA ENCLOSED WITHIN THE SEDIMENT CONTROL FENCING.
 5. ALL EXCAVATED & CONSTRUCTION MATERIALS, SHED, SKIP BINS, TEMPORARY WATER CLOSETS, SPOIL AND EQUIPMENT, ETC SHALL BE KEPT WITHIN THE PROPERTY. NO VEHICLES OR MACHINES SHALL BE KEPT WITHIN THE PROPERTY. NO VEHICLES OR MACHINES SHALL STAND ON COUNCIL FOOTPATHS FOR LARGE LENGTHS OF TIME.
 6. ALL RUBBISH & RECYCLABLE MATERIAL SHALL BE STOCKPILED IN WASTE BINS IN THE AREA NOMINATED ON THE SITE PLAN WITHIN THE SITE BOUNDARY. PUBLIC PROPERTY SHALL BE KEPT FREE OF RUBBISH AND RECYCLABLES AT ALL TIMES ANY WASTE MATERIALS SHALL BE REGULARLY COLLECTED FROM THE SITE AND DISPOSED OF IN AN APPROPRIATE FASHION.
 7. ANY BUILDING / DEMOLITION WORKS INVOLVING ASBESTOS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RELAVANT STANDARDS.
 8. VEHICLES LEAVING THE SITE WILL DO SO VIA THE ALL WEATHER BALLAST DRIVEWAY MADE OF COURSE AGGREGATE LOCATED WITHIN THE FRONT SETBACK AREA OF THE DEVELOPMENT. ANY DIRT OR MATERIAL DEPOSITED ON THE ROAD RESERVE OR ROADWAY IS TO BE PROMPTLY CLEANED.
 9. ANY EXCAVATED AREA REQUIRED SUPPORT WILL BE UNDERTAKEN BY THE OWNER USING STRUCTURALLY APPROVED RETAINING STRUCTURES.
 10. ADEQUATE SAFETY SIGNAGE MUST BE ERECTED IN A PROMINENT POSITION ON THE WORK SITE, WARNING OF UNAUTHORISED ENTRY TO WORK SITE AND INTENDING DANGERS.
 11. SAFETY FENCES SHALL BE PROVIDED AROUND ALL BOUNDARIES UNLESS A CONTINUOUS STRUCTURALLY ADEQUATE FENCE PRESENTLY EXISTS. THE FENCING SHALL BE ADEQUATE TO RESTRICT PUBLIC ACCESS TO THE SITE WHEN BUILDING WORK IS NOT IN PROGRESS OR THE SITE IS UNOCCUPIED.
 12. NOISE LEVELS SHALL NOT EXCEED COUNCIL REGULATION LEVELS. BUILDING AND DEMOLITION WORKS SHALL ONLY BE CARRIED OUT BETWEEN HOURS AND DAYS SPECIFIED BY COUNCIL.
 13. GEOTEXTILE FABRIC SHALL BE PLACED ON THE INSIDE OF THE SITE FENCING PRIOR TO SITE DISTURBANCE TO PREVENT SEDIMENT WASHING FROM CLEARED AND DISTURBED AREAS OF THE SITE INTO THE STORMWATER SYSTEM DURING CONSTRUCTION UNCONTAMINATED RUNOFF FROM CLEARED OR DISTURBED AREAS IS TO BE DIRECTED TO A TEMPORARY SILT ARRESTOR PIT THAT SHALL BE PROVIDED WITHIN THE SITE AT THE STREET BOUNDARY PROCESSING SITE STORMWATER BEFORE IT IS DISCHARGED TO THE STREET DRAINAGE SYSTEM OR WATERCOURSE.
 14. ALL TOP SOIL STRIPPED & STOCKPILED ON SITE IS TO BE PLACED IN NOMINATED AREAS ON PLAN. ALL DISTURBED AREAS ARE TO BE STABILISED UPON THE COMPLETION OF BUILDING WORKS.
 15. ALL SEDIMENT CONTROL STRUCTURES ARE TO BE CONTINUALLY MAINTAINED DURING CONSTRUCTION AND INSPECTED FOR STRUCTURAL DAMAGE AFTER EACH RAINFALL EVENT, WITH TRAPPED SEDIMENT BEING REMOVED TO THE TOPSOIL STOCKPILE.
 16. WHERE THERE IS THE POTENTIAL OF SITE EROSION TO PRODUCE EXCESSIVE SEDIMENT RUNOFF SUITABLE GEOTEXTILE BARRIERS SHALL BE PLACED TO ALLEVIATE THE RISK ACCORDINGLY. BARE SURFACES SHALL BE KEPT MOIST TO REDUCE DUST LEVELS. GEOTEXTILE FABRIC LOCATED ON THE INSIDE OF FENCES SHALL ALSO BE UTILISED FOR DUST CONTROL WHERE NECESSARY.

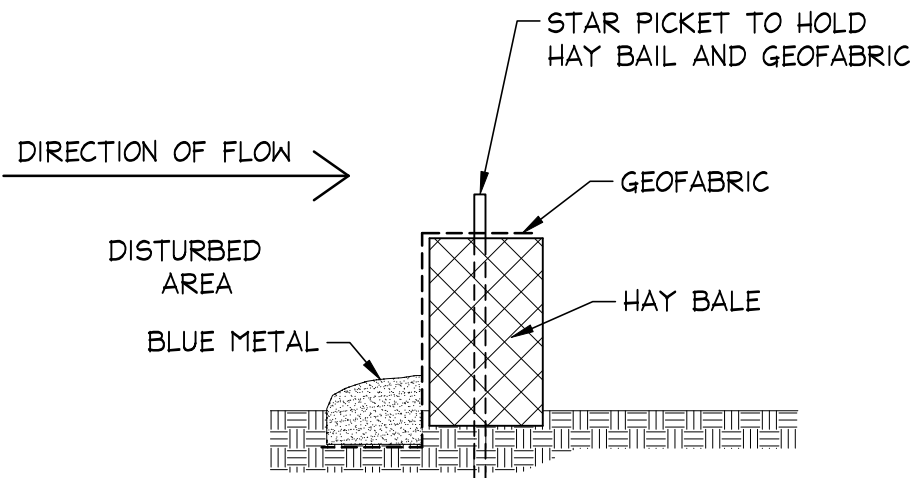


DRAINAGE AREA 0.6HA. MAX. SLOPE GRADIENT 1:2 MAX. SLOPE LENGTH 60M MAX.



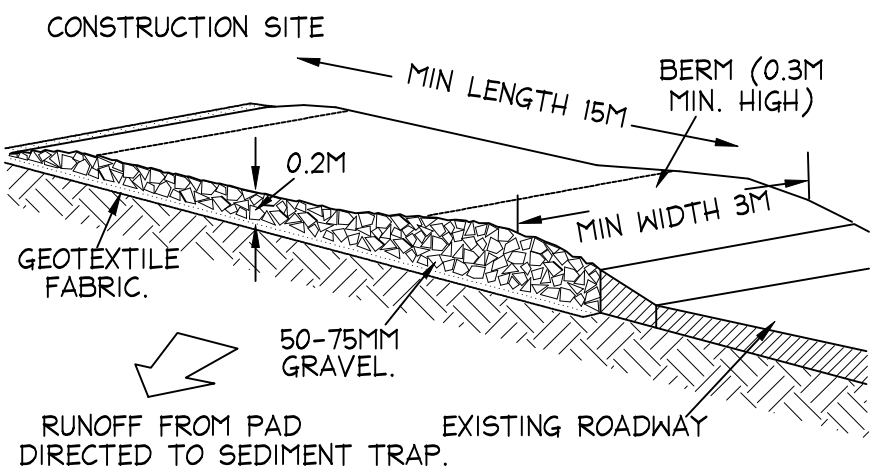
SEDIMENT FENCE - OPTION 1

- CONSTRUCTION NOTES:**
1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
 2. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND, 3 METRES 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.



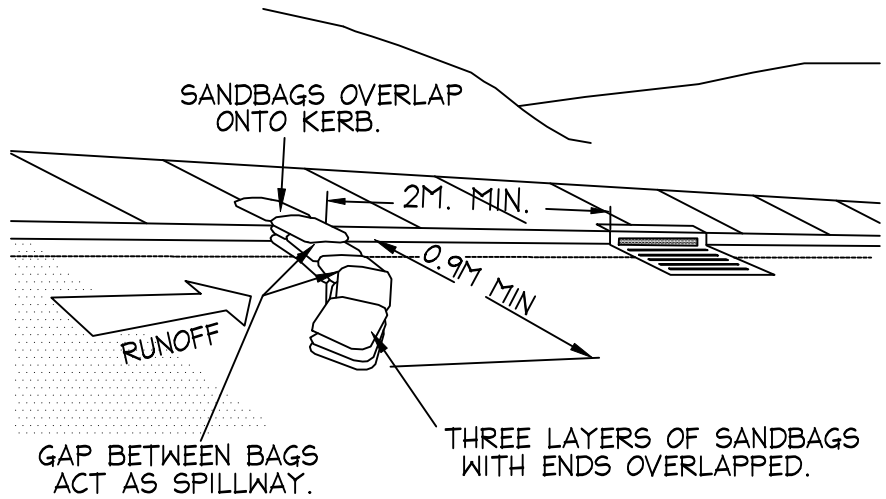
SEDIMENT FENCE - OPTION 2

SCALE = N.T.S.



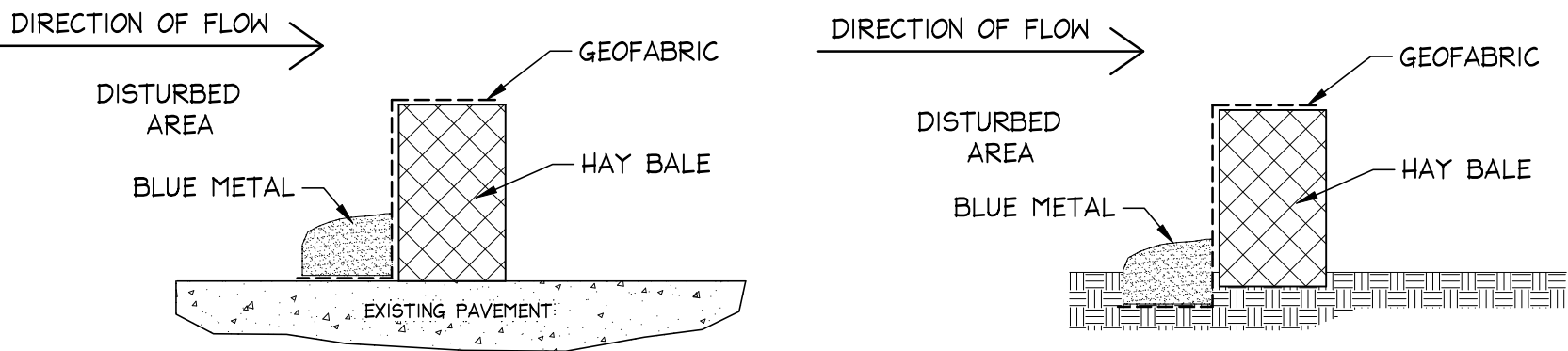
TYPICAL TEMPORARY CONSTRUCTION ENTRY/EXIT DETAIL

- 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 15 METRES OR TO BUILDING ALIGNMENT. MINIMUM WIDTH 3 METRES.
 5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE or OTHER SEDIMENT TRAP.



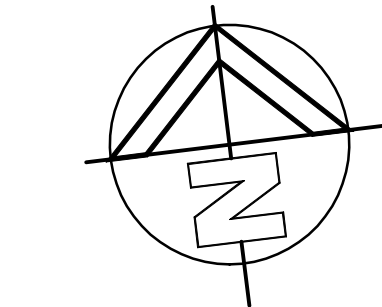
SANDBAG KERB INLET SEDIMENT TRAP

SCALE = N.T.S.



REMOVABLE HAY BALE DETAILS

SCALE = N.T.S.



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