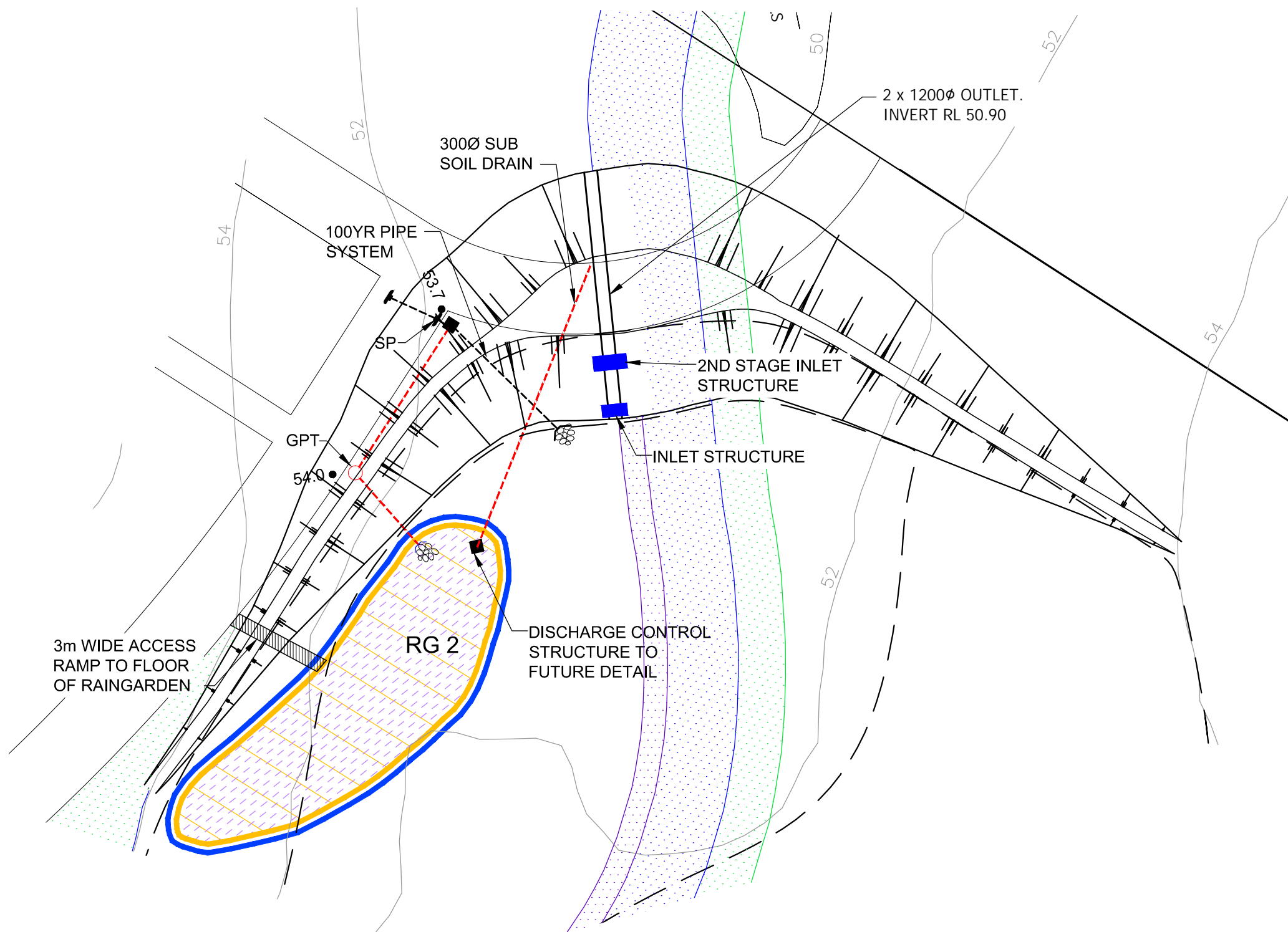






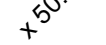

**FIGURE 4**

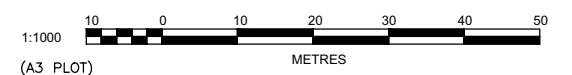


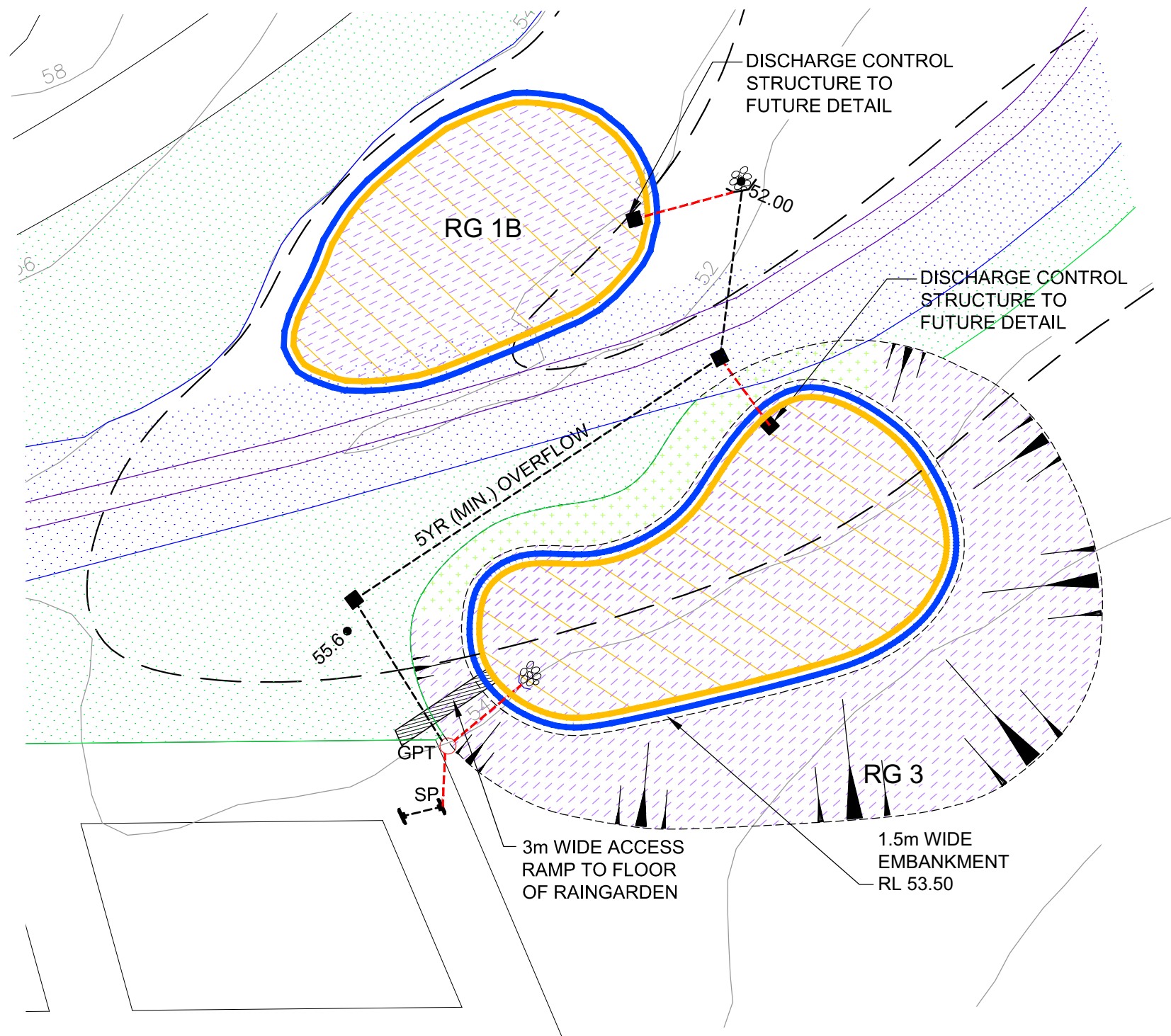
**NOTE:**  
INDICATIVE RAINGARDEN CONCEPT  
DESIGN SUBJECT TO DETAIL ROAD  
& PIPE DRAINAGE SYSTEM DESIGN

**RAINGARDEN 2**  
RAINGARDEN BED AREA = 2000m<sup>2</sup>  
EDL RL 51.50  
RAINGARDEN BED RL 51.20

**DETENTION BASIN**  
STORAGE 40,000 m<sup>3</sup>  
TWL 53.70 m  
REFER FIGURE 10 FOR DETAIL

-  EXTENT OF CUT
-  EXTENT OF FILL
-  APPROXIMATE EXTENT OF PROPOSED RAINGARDEN
- ALL BATTERS TO BE MAXIMUM 6:1
-  CONTOURS DENOTE EXISTING GROUND LEVELS
-  DENOTES INDICATIVE DESIGN ROAD LEVEL
-  3 MONTH FLOW PIPE & SPLITTER PIT







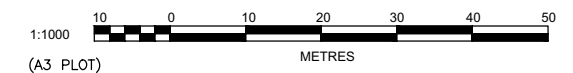


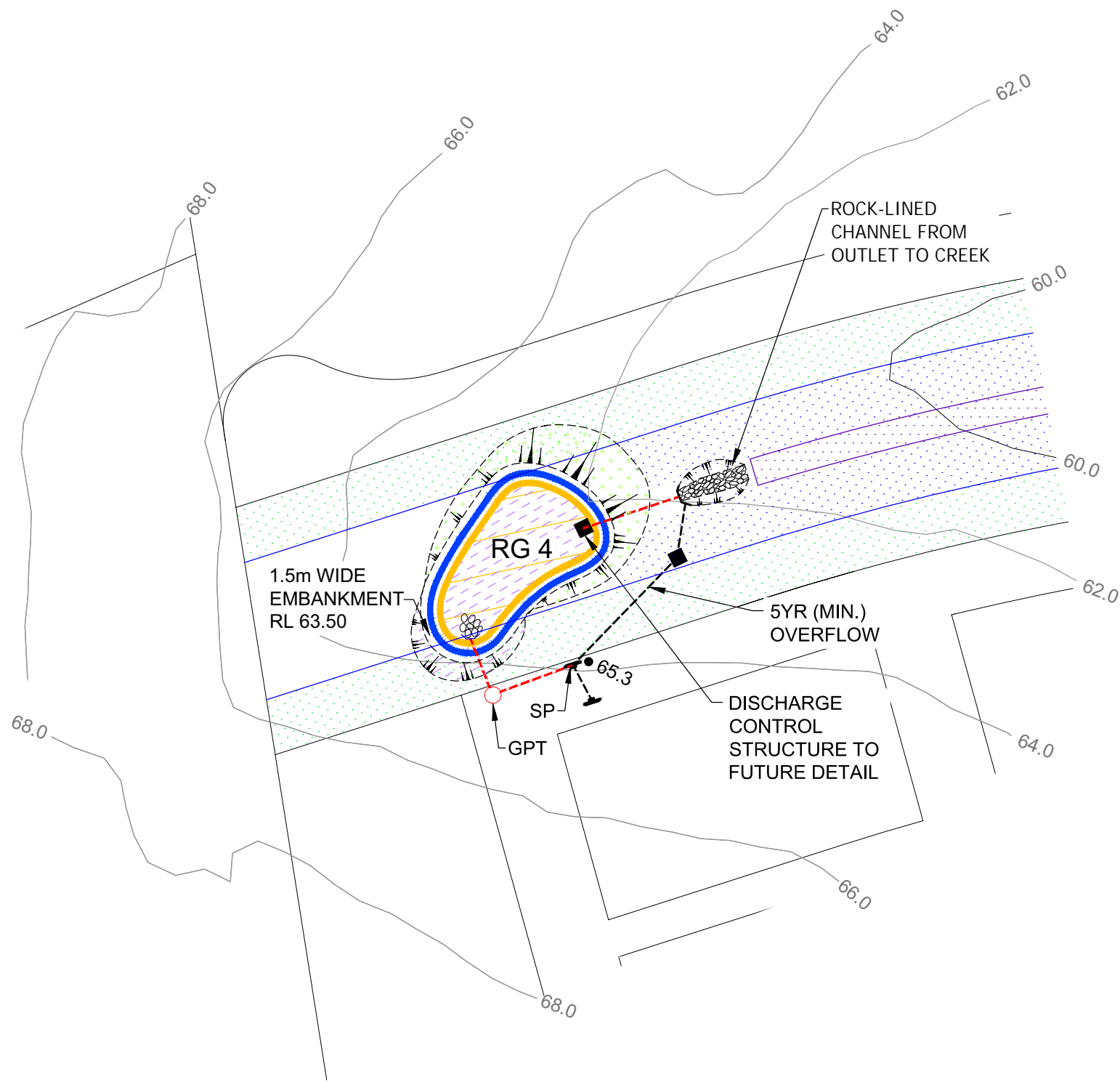
**NOTE:**  
INDICATIVE RAINGARDEN CONCEPT  
DESIGN SUBJECT TO DETAIL ROAD  
& PIPE DRAINAGE SYSTEM DESIGN

**RAINGARDEN 1B**  
RAINGARDEN BED AREA = 2300m<sup>2</sup>  
EDL RL 52.30  
RAINGARDEN BED RL 52.00

**RAINGARDEN 3**  
RAINGARDEN BED AREA = 3000m<sup>2</sup>  
EDL RL 53.50  
RAINGARDEN BED RL 53.20





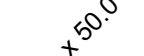

-  EXTENT OF CUT
-  EXTENT OF FILL
-  APPROXIMATE EXTENT OF PROPOSED RAINGARDEN
- ALL BATTERS TO BE MAXIMUM 6:1
- 56.0 ——— CONTOURS DENOTE EXISTING GROUND LEVELS
- +50.0 ——— DENOTES INDICATIVE DESIGN ROAD LEVEL
- SP  3 MONTH FLOW PIPE & SPLITTER PIT

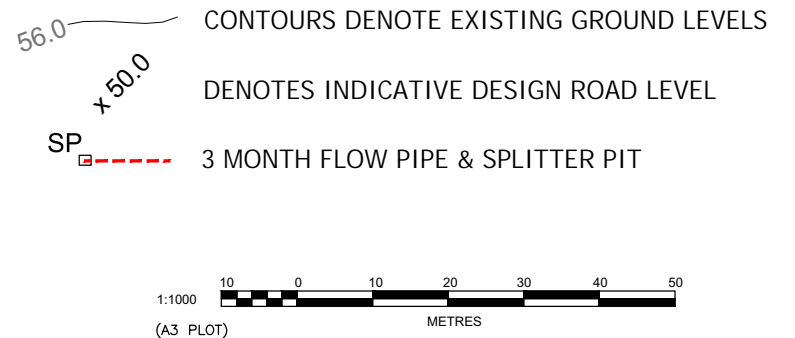


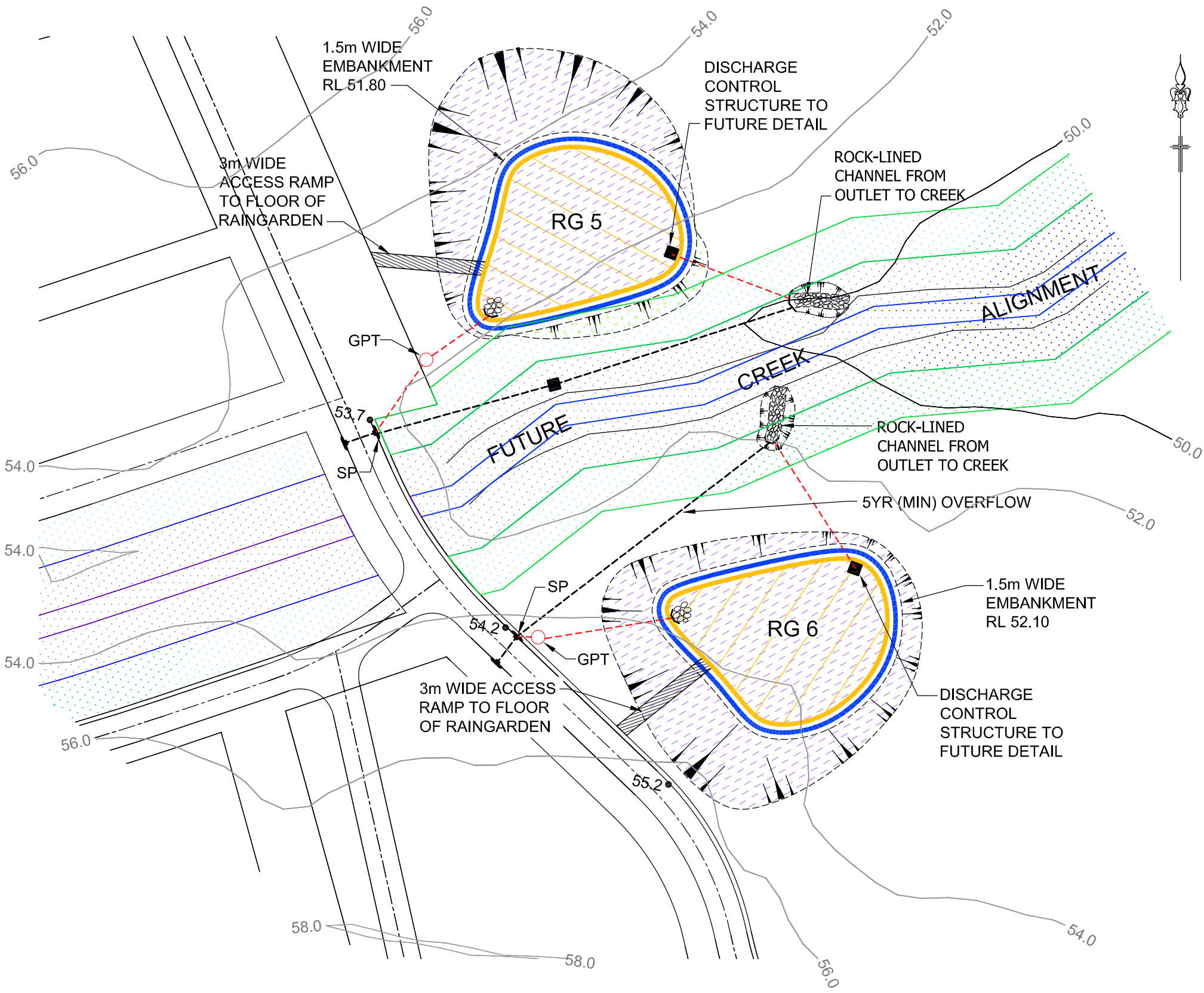


**NOTE:**  
INDICATIVE RAINGARDEN CONCEPT  
DESIGN SUBJECT TO DETAIL ROAD  
& PIPE DRAINAGE SYSTEM DESIGN

**RAINGARDEN 4**  
RAINGARDEN BED AREA = 500m<sup>2</sup>  
EDL RL 64.80  
RAINGARDEN BED RL 63.50

-  EXTENT OF CUT
-  EXTENT OF FILL
-  APPROXIMATE EXTENT OF PROPOSED RAINGARDEN
- ALL BATTERS TO BE MAXIMUM 6:1
-  CONTOURS DENOTE EXISTING GROUND LEVELS
-  DENOTES INDICATIVE DESIGN ROAD LEVEL
-  3 MONTH FLOW PIPE & SPLITTER PIT




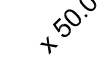



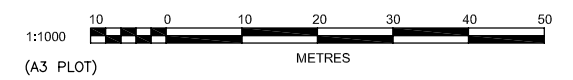


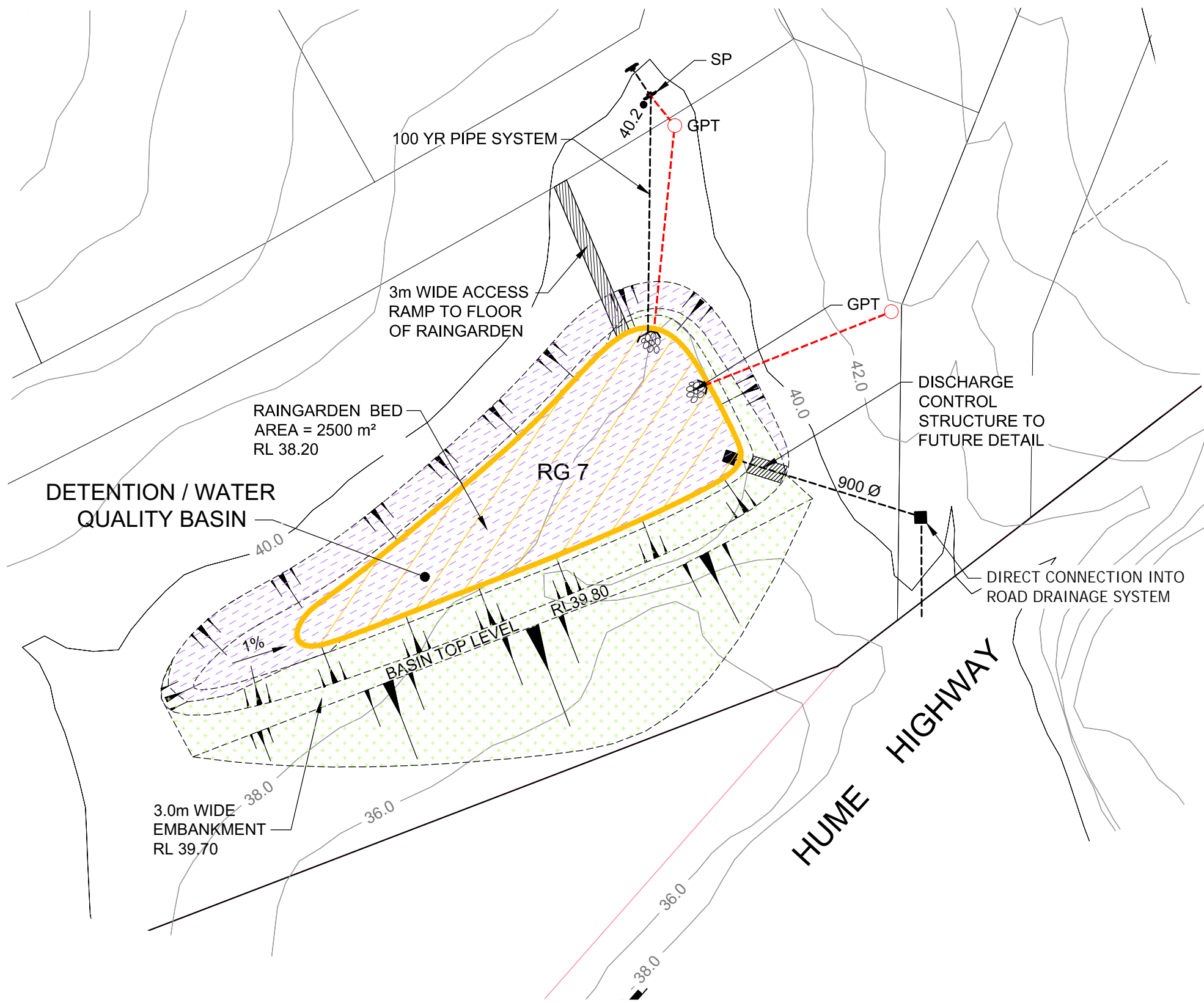
**NOTE:**  
 1. INDICATIVE RAINGARDEN CONCEPT DESIGN SUBJECT TO DETAIL ROAD & PIPE DRAINAGE SYSTEM DESIGN  
 2. RAINGARDEN 5 AND 6 LOCATIONS AND FORM SUBJECT TO DETAILED DESIGN

**RAINGARDEN 5**  
 RAINGARDEN BED AREA = 1200m<sup>2</sup>  
 EDL RL 51.8  
 RAINGARDEN BED RL 51.5

**RAINGARDEN 6**  
 RAINGARDEN BED AREA = 1200m<sup>2</sup>  
 EDL RL 52.10  
 RAINGARDEN BED RL 51.80

-  EXTENT OF CUT
-  EXTENT OF FILL
-  APPROXIMATE EXTENT OF PROPOSED RAINGARDEN
- ALL BATTERS TO BE MAXIMUM 6:1
- CONTOURS DENOTE EXISTING GROUND LEVELS
-  DENOTES INDICATIVE DESIGN ROAD LEVEL
-  3 MONTH FLOW PIPE & SPLITTER PIT










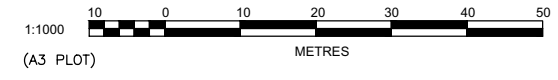


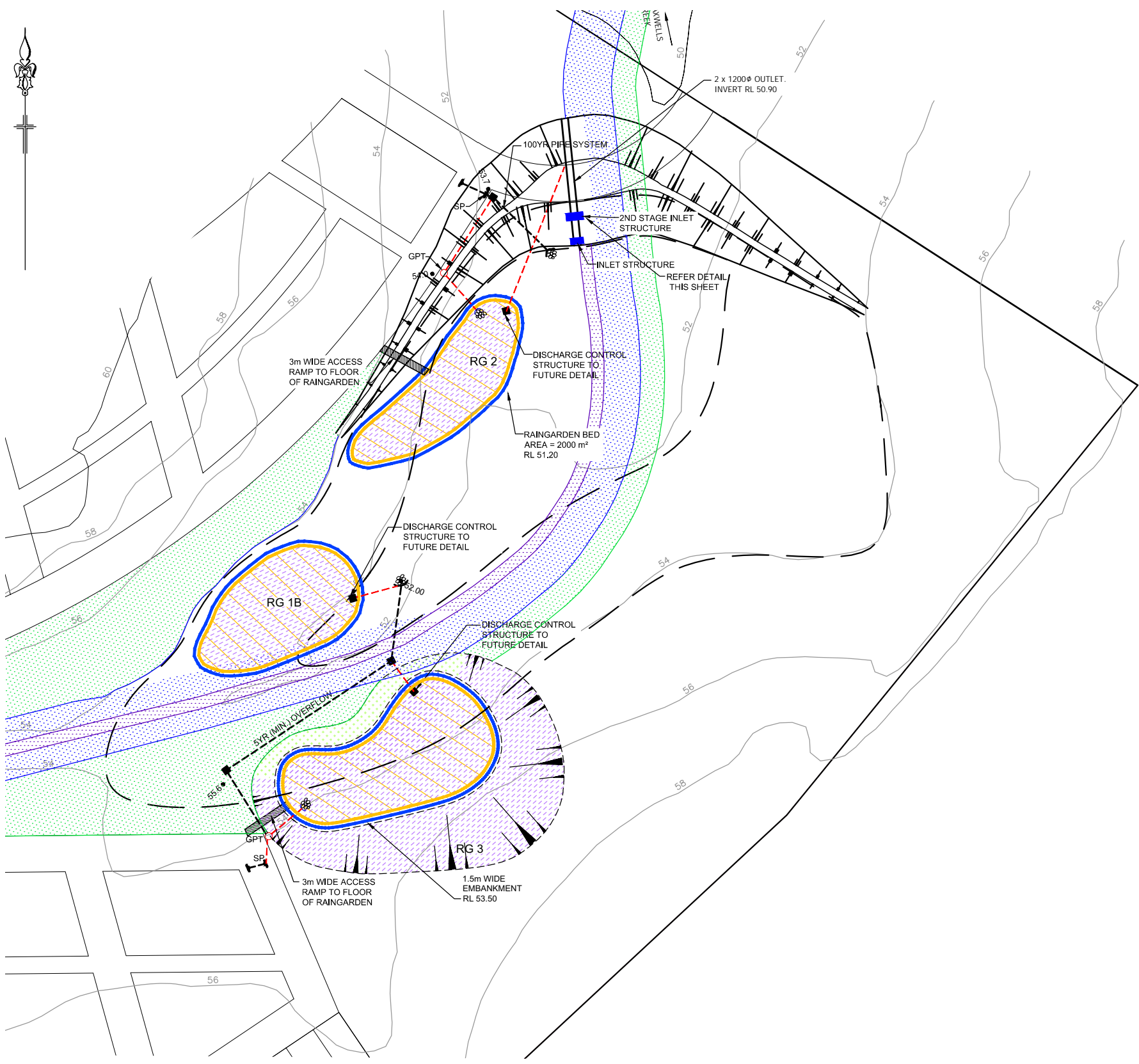
**RAINGARDEN 7**  
 RAINGARDEN BED AREA = 2500m<sup>2</sup>  
 EDL RL 38.20  
 RAINGARDEN BED RL 38.20

**REGIONAL DETENTION BASIN**  
 BASIN VOLUME = 5000m<sup>3</sup>  
 BASE RL 38.20 (AT RAINGARDEN EDL)  
 TOP RL 39.80

**NOTE:**  
 INDICATIVE RAINGARDEN CONCEPT  
 DESIGN SUBJECT TO DETAIL ROAD  
 & PIPE DRAINAGE SYSTEM DESIGN

-  EXTENT OF CUT
-  EXTENT OF FILL
-  APPROXIMATE EXTENT OF PROPOSED RAINGARDEN
- ALL BATTERS TO BE MAXIMUM 6:1
-  CONTOURS DENOTE EXISTING GROUND LEVELS
-  DENOTES INDICATIVE DESIGN ROAD LEVEL
-   3 MONTH FLOW PIPE & SPLITTER PIT



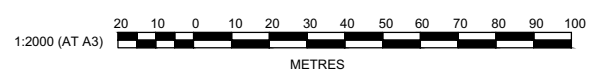


**NOTE:**  
 INDICATIVE RAINGARDEN CONCEPT  
 DESIGN SUBJECT TO DETAIL ROAD  
 & PIPE DRAINAGE SYSTEM DESIGN

**REGIONAL DETENTION BASIN**  
 BASIN VOLUME = 40,000m<sup>3</sup>  
 BASE RL 51.50 (AT RAINGARDEN EDL)  
 TOP RL 53.70

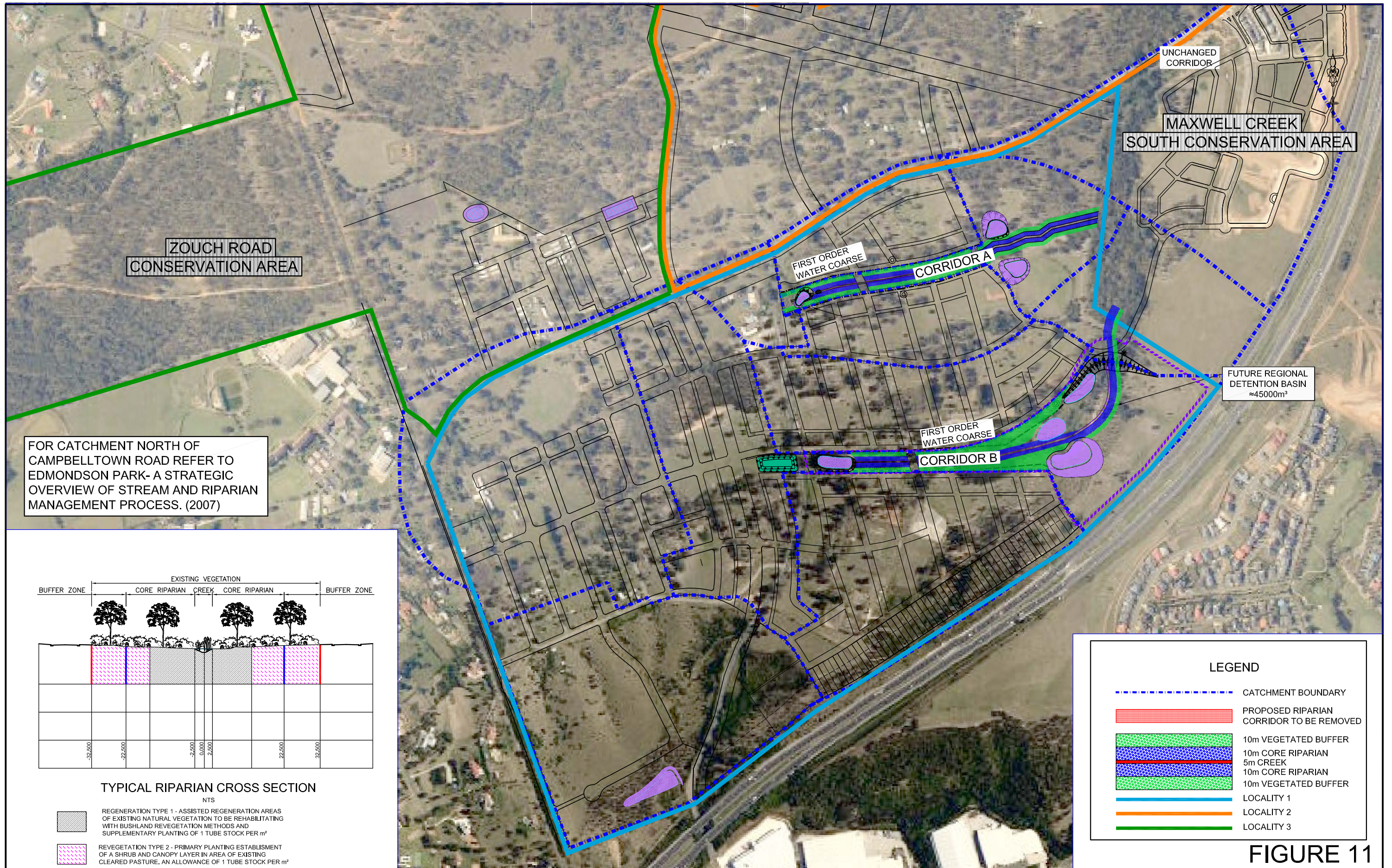
**LEGEND**

- ALL BATTERS TO BE MAXIMUM 6:1
- NOMINATED CREEK ALIGNMENT
- VEGETATED BUFFER
- CORE RIPARIAN ZONE
- EXTENT OF CUT
- EXTENT OF FILL
- APPROXIMATE EXTENT OF PROPOSED RAINGARDEN
- EXTENT OF SITE REGRADING
- CONTOURS DENOTE EXISTING GROUND LEVELS
- DENOTES INDICATIVE DESIGN ROAD LEVEL
- 3 MONTH FLOW PIPE & SPLITTER PIT

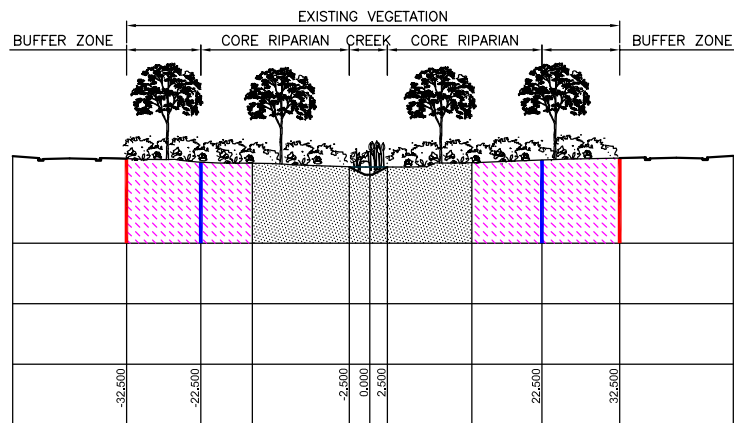


**EDMONDSON PARK SOUTH PART 3A  
 CONCEPT PLAN APPLICATION  
 WATER CYCLE MANAGEMENT STRATEGY  
 CONCEPT DESIGNS - DETENTION BASIN**

**FIGURE 10**



FOR CATCHMENT NORTH OF CAMPBELLTOWN ROAD REFER TO EDMONDSON PARK- A STRATEGIC OVERVIEW OF STREAM AND RIPARIAN MANAGEMENT PROCESS. (2007)



TYPICAL RIPARIAN CROSS SECTION  
NTS

- REGENERATION TYPE 1 - ASSISTED REGENERATION AREAS OF EXISTING NATURAL VEGETATION TO BE REHABILITATING WITH BUSHLAND REVEGETATION METHODS AND SUPPLEMENTARY PLANTING OF 1 TUBE STOCK PER m<sup>2</sup>
- REVEGETATION TYPE 2 - PRIMARY PLANTING ESTABLISHMENT OF A SHRUB AND CANOPY LAYER IN AREA OF EXISTING CLEARED PASTURE. AN ALLOWANCE OF 1 TUBE STOCK PER m<sup>2</sup>

**LEGEND**

- CATCHMENT BOUNDARY
- PROPOSED RIPARIAN CORRIDOR TO BE REMOVED
- 10m VEGETATED BUFFER
- 10m CORE RIPARIAN
- 5m CREEK
- 10m CORE RIPARIAN
- 10m VEGETATED BUFFER
- LOCALITY 1
- LOCALITY 2
- LOCALITY 3

**FIGURE 11**

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EDMONDSON PARK SOUTH PART 3A  
CONCEPT PLAN APPLICATION  
PROPOSED RIPARIAN CORRIDORS

PLAN No.  
9031/SW05 D

FILE No.  
9031SW05

SHEET 1 OF 1 SHEETS

| ISSUE | AMENDMENT                     | DATE     | BY |
|-------|-------------------------------|----------|----|
| F     |                               |          |    |
| E     |                               |          |    |
| D     | RAINGARDEN CATCHMENTS AMENDED | 26/08/10 | TK |
| C     | NOTES & TYPICAL ADDED         | 07/08/10 | VG |
| B     | SECOND ISSUE                  | 26-05-10 | NW |
| A     | FIRST ISSUE                   | 10-05-10 | VG |

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CHECKED \_\_\_\_\_

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