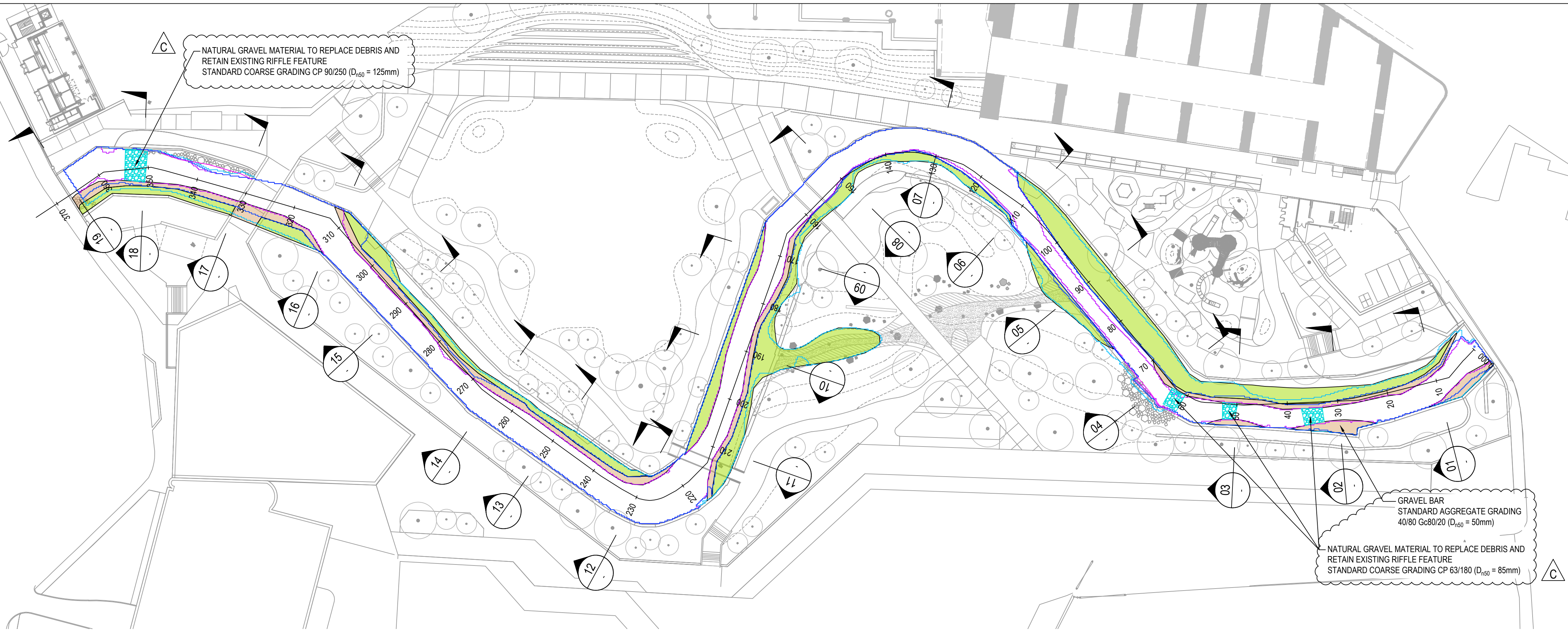
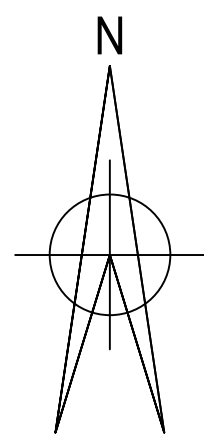
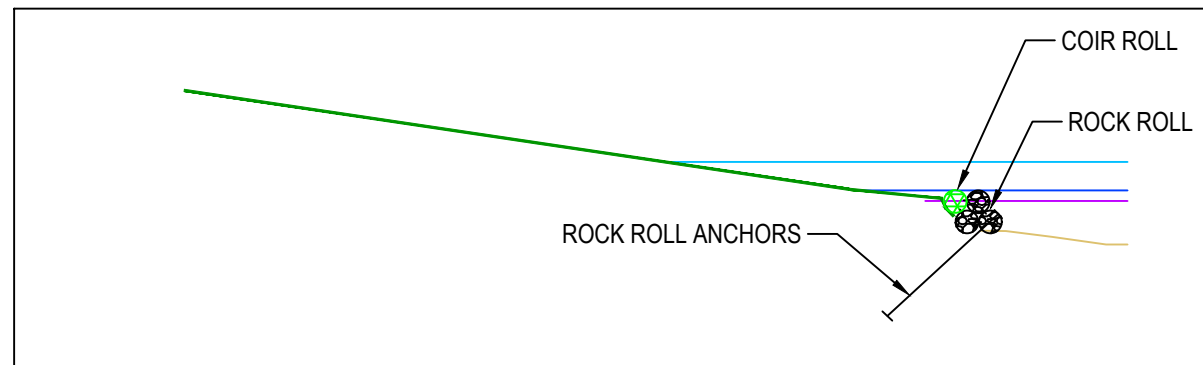
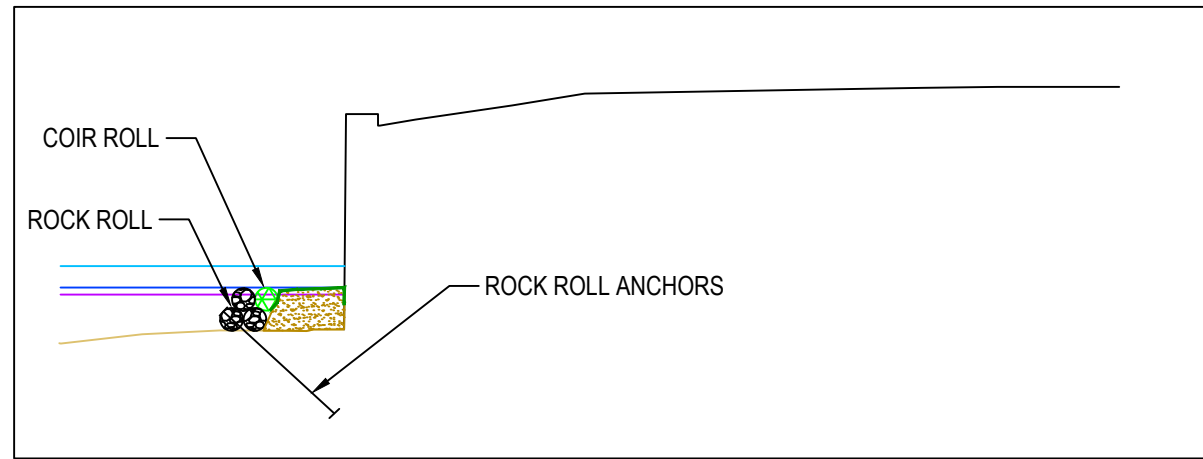




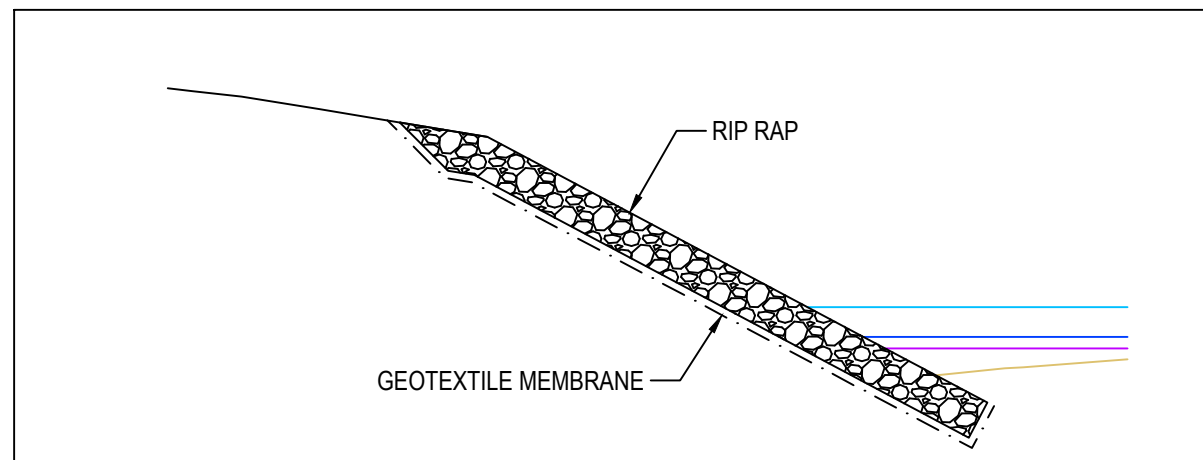
TYPICAL TOE DETAILS



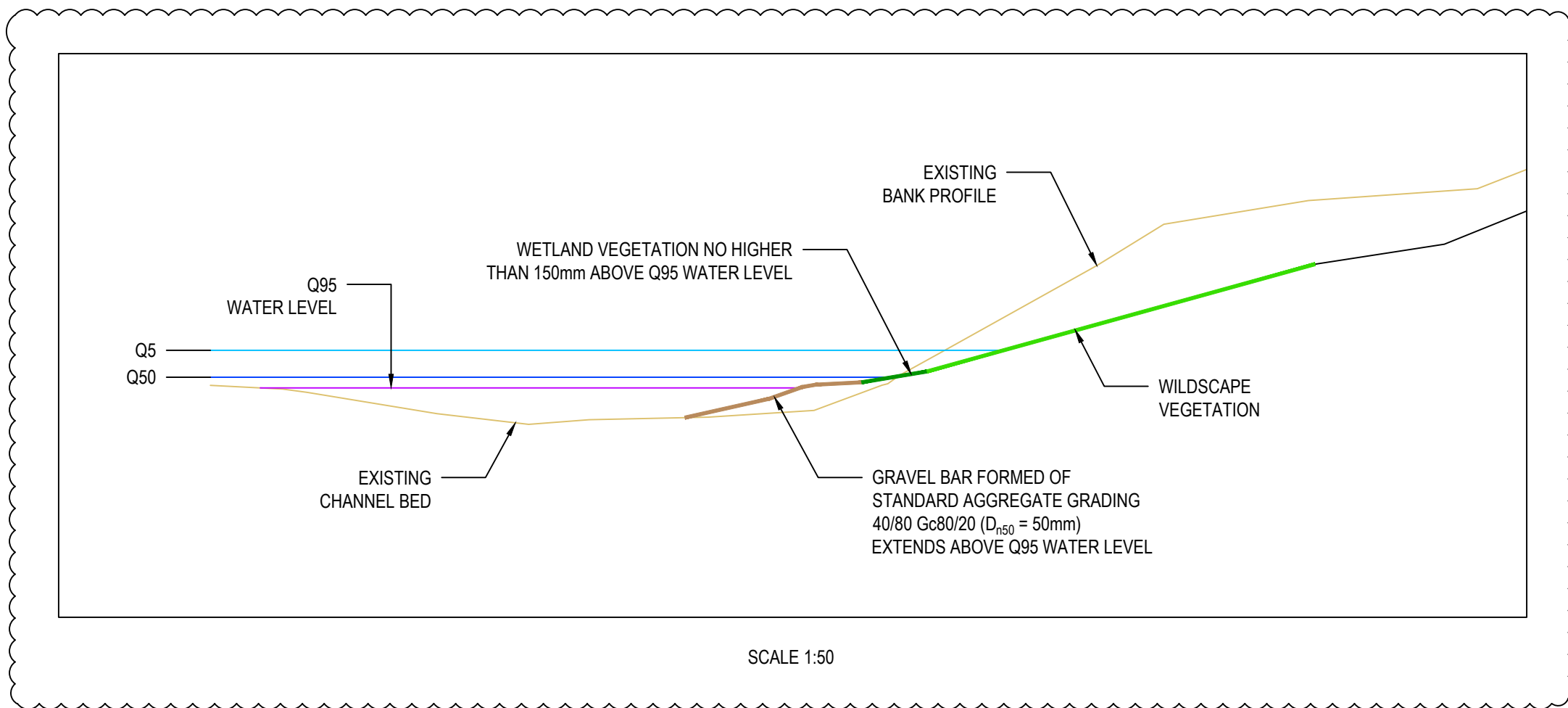
COIR ROLLS TO BE FIXED IN PLACE ON A ROCK ROLL PYRAMID OF THREE ROCK ROLLS (APPROX. 250 - 300MM DIAMETER). GROUND ANCHORS TO BE USED TO FIX ROCK ROLLS TO THE RIVER BED OR BANK. PRE-PLANTED PALLETES WITH MARGINAL/WETLAND AND OTHER VEGETATION TO BE INSTALLED BEHIND COIR ROLLS ON APPROPRIATE TOP SOIL LAYER. PALLET EDGE TO BE BURIED UNDER COIR ROLLS AND OVERLAP WITH NEXT PALLET. PALLETES TO BE FIXED TO SLOPE WITH PEGS. INSTALLATION AS PER MANUFACTURERS INSTRUCTIONS. PALLETES SHALL BE VEGETATED ON INSTALLATION TO ENSURE RAPID ESTABLISHMENT OF THE RIVER BANKS AND PREVENT JAPANESE KNOTWEED COLONISATION.



COIR ROLLS ON PYRAMID OF ROCK ROLLS WITH BACKFILLING ALONG THE RIGHT BANK OF CHAINAGE 165 TO 215 TO CREATE RIVER SINUSOID. GROUND ANCHORS TO BE USED TO FIX ROCK ROLLS TO THE RIVER BED. PRE-PLANTED PALLETES BEHIND COIR ROLLS TO SUPPORT MARGINAL VEGETATION. BACK FILLING MATERIAL CAN CONSIST OF A SUB SOIL LAYER OVER NATURAL CRUSHED MATERIAL FOUND ON SITE TO SUPPORT PRE-PLANTED PALLETES.



RIP RAP REVELMENT TO PROVIDE TOE AND BANK PROTECTION BETWEEN CHAINAGE 60-72M AND 330-363M. ROCK DENSITY: 2500 KG/M3. MINIMUM RIP RAP ARMOUR SIZE DN50: 350MM. STANDARD ARMOURSTONE GRADING: LMA 40/200. THICKNESS OF ARMOURSTONE: 525MM. TOE TO BE BURIED IN RIVER BED BY MIN. OF 500MM. GEOTEXTILE TO BE PLACED UNDERNEATH RIP RAP TO PREVENT WASHING OUT OF UNDERLYING MATERIAL.



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DO NOT SCALE THIS DRAWING.

HEALTH AND SAFETY INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

CONSTRUCTION:

1. BELOW GROUND OBSTRUCTIONS INCLUDING RIVER WALL FOUNDATIONS
2. UNCERTAIN STABILITY OF EXISTING RIVER WALLS
3. WORKING ADJACENT TO WATER AND POTENTIALLY AT HEIGHT.
4. REFER TO THE MAYFIELD FLOOD RISK ASSESSMENT AND CONSULT WITH PRINCIPAL CONTRACTOR. OBSERVE WEATHER FORECAST AND THE ENVIRONMENT AGENCY FLOOD WARNINGS. A FLOOD RISK MANAGEMENT PLAN DURING CONSTRUCTION SHALL BE PUT IN PLACE PRIOR TO COMMENCEMENT OF WORKS.
5. REMOVAL OF THE CULVERT OR RIVER WALLS SHALL NOT RESULT IN INCREASE IN FLOOD RISK TO DOWNSTREAM SITES. DEMOLITION METHOD STATEMENT SHALL TAKE INTO ACCOUNT FLOOD RISK. TEMPORARY MITIGATION MEASURES SHALL BE PUT IN PLACE AS NECESSARY.

MAINTENANCE/CLEANING/OPERATION:

1. A MAINTENANCE AND MANAGEMENT PLAN IS TO BE PUT IN PLACE PRIOR TO OCCUPATION. PERSONNEL TO BE MADE AWARE OF THE PLAN AND FLOOD RISK TRIGGER POINTS PRIOR TO OPERATION AND MAINTENANCE.
2. WORKS IN THE PROXIMITY OF DYNAMIC RIVER. LEVELS CAN CHANGE RAPIDLY.
3. CONSULT THE ENVIRONMENT AGENCY FLOOD WARNINGS AND OBSERVE WEATHER CONDITIONS PRIOR TO ANY MAINTENANCE OF AREAS AT HIGH FLOOD RISK (WITHIN THE 1 IN 25 YEAR FLOOD EVENT).
4. DEBRIS DEPOSITION POTENTIALLY EXPECTED WITHIN FLOODED AREAS FOLLOWING A FLOOD EVENT, INCLUDING DILUTED SEWAGE WASTE.

DECOMMISSIONING/DEMOLITION:

REFER TO CONSTRUCTION ABOVE

Notes

1. FOR EXISTING SITE CONDITIONS REFER TO DRAWING NO W-0001.
2. FOR PROPOSED GENERAL ARRANGEMENT INFORMATION AND TYPICAL CROSS SECTION LOCATIONS REFER TO DRAWING NO W-0002.
3. FOR PROPOSED CROSS SECTIONS REFER TO DRAWINGS NO W-0003, W-0004, W-0005 & W-0006
4. FOR LONG SECTION REFER TO DRAWING NO. W-0008

- COIR ROLLS ON ROCK ROLLS
- RIP RAP REVELMENT
- PROPOSED PRE-PLANTED COIR PALLETES
- GRAVEL BAR
- RIFFLE GRAVEL FEATURE
- Q95 LEVEL (RIVER LEVEL EXCEEDED 95% OF THE TIME)
- Q50 LEVEL (RIVER LEVEL EXCEEDED 50% OF THE TIME)
- Q5 LEVEL (RIVER LEVEL EXCEEDED 5% OF THE TIME)

C	STAGE 4	29.01.21	NG	JF
B	STAGE 3 FINAL	18.12.20	NG	RG
A	STAGE 3 PRELIMINARY INFORMATION	12.10.20	NG	RG
Rev	Description	Date	Dm	Ch'd

STAGE 4

Status of drawing

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Project: MAYFIELD DEVELOPMENT PARTNERSHIP
Dwg Title: PROPOSED EDGE TREATMENT

Scales@A1 1:500
Drawn by: NG
Checked by: RG

Job No: 0046688
Date: JANUARY 2021
Rev: C

Drawing No: 0046688-BHE-XX-XX-DR-W-0007