

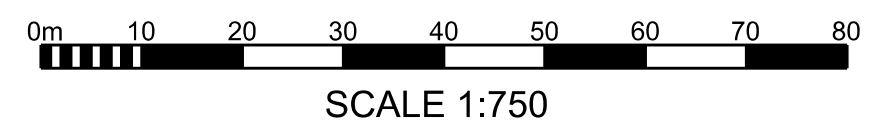




SHEET 1 - COVER SHEET / OVERALL LAYOUT
SHEET 2 - TYPICAL DETAILS
SHEET 3 - GENERAL LAYOUT
SHEET 4 - ROAD CROSS-SECTIONS
SHEET 5 - LINEMARKING & SIGNAGE PLAN

- 1) AN APPROVED TRAFFIC MANAGEMENT PLAN IS TO BE PREPARED PRIOR TO THE COMMENCEMENT OF WORKS.
- 2) CONFIRM LOCATION OF ALL SERVICES PRIOR TO COMMENCEMENT OF WORKS SHOULD ANY SERVICE CLASHES BECOME EVIDENT, NOTIFY THE SUPERVISOR IMMEDIATELY
- 3) DO NOT SCALE FROM DRAWINGS. IF IN DOUBT, ASK.
- 4) THESE DRAWINGS DO NOT DEFINE PROPERTY BOUNDARIES.
- 5) ENSURE WORKSITE IS LEFT CLEAN AND TIDY.

- 1) PRIOR TO UNDERTAKING OF BULK EARTHWORKS, TOPSOIL AND ANY VEGETABLE MATTER IS TO BE STRIPPED AND STOCKPILED FOR RESPREADING ON COMPLETION.
- 2) ANY SOFT SPOTS OR POOR SUBGRADES ENCOUNTERED ARE TO BE INVESTIGATED AND REMEDIAL TREATMENT APPLIED AS REQUIRED.
- 3) ALL EARTHWORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION AND/OR COUNCIL REQUIREMENTS.
- 4) ALL FILL MATERIAL IS TO BE CLEAN AND FREE OF ANY VEGETABLE MATTER.
- 5) FILL SHALL BE COMPACTED IN MAX. 200mm LOOSE THICKNESS LAYERS TO DENSITIES AS SPECIFIED.
- 6) FINISHED EARTHWORKS LEVELS ARE TO BE GRADED EVENLY BETWEEN DESIGN SPOT HEIGHTS AND STRINGS.

- 1) UNDERTAKE ALL ROAD AND DRAINAGE CONSTRUCTION WORKS TO REQUIREMENTS OF DRAWINGS & SPECIFICATIONS AND/OR COUNCIL REQUIREMENTS.
- 2) DO NOT DISTURB VEGETATION OR TREES THAT ARE TO REMAIN.
- 3) EXISTING BITUMEN SEAL IS TO BE REMOVED AND DISPOSED OF OR ALTERNATELY PULVERISED AND MIXED INTO THE EXISTING PAVEMENT MATERIAL.
- 4) NEW DRAINAGE CULVERTS ARE TO INCLUDE PROVISION OF PRECAST HEADWALLS TO COUNCIL SPECIFICATION.



A 0	SHIRE AMENDMENTS INITIAL DRAFT FOR COMMENT		7-2-18 20-1-16	 COATES CIVIL CONSULTING Pty Ltd <small>Civil Infrastructure Design – Project & Asset Management P.O. Box 2209 BUNBURY WA 6231 Phone : 0409 879 059 Email : coatescivilconsulting@bigpond.com</small>	SCALE 1 : 750 (A1) DATUM: AHD	SURVEYED: LEEUWIN SURVEYING L.B. F.B. DATE: DEC 2014 DESIGNED & DRAWN: C Coates DATE: JAN 2016 CHECKED: DATE:	THESE PLANS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED BELOW.	CLIENT: 	ELLIS STREET BOATRAMP, AUGUSTA PROPOSED CARPARK UPGRADE COVER SHEET / OVERALL LAYOUT	DRAWING No. AU001-D01
						APPROVED: DATE:				SHEET No. 1 OF 5 ISSUE DATE: FEB 2016
MK	DETAILS OF AMENDMENTS	APPROVED	DATE							A1



1. SUBSOIL DRAINAGE PIPES MUST COMPLY WITH AS2439.1-1981 TYPE 2 RIGID OR SIMILAR PIPES APPROVED BY THE SHIRE.
2. PIPE CLASSIFICATION TO BE MINIMUM SN8.
3. VARYING SUBSOIL ALIGNMENTS MAY BE REQUIRED TO ACHIEVE GROUNDWATER CONTROL.
4. MINIMUM SUBSOIL PIPE GRADE TO BE 1:250 (0.4%).
5. UPSTREAM END OF SUBSOIL PIPE NOT CONNECTED TO A LINER SHALL BE PROVIDED WITH A SURFACE RISER AND CIRCULAR CONCRETE OR CLASS B DUCTILE IRON MAINTENANCE COVER.
6. LEVELS FOR SUBSOIL DRAINAGE PIPE WILL BE DETERMINED BY WATER TABLE LEVELS AND MAY BE LOWER THAN THE STORMWATER PIPE.
7. GEOFABRIC TO BE BIDIM A14 OR SIMILAR APPROVED MATERIAL.



GUIDEPOSTS TO BE WHITE IN COLOUR EXCEPT FOR PLACEMENT OF BLUE GUIDEPOSTS TO MARK LATERAL CULVERT LOCATIONS.

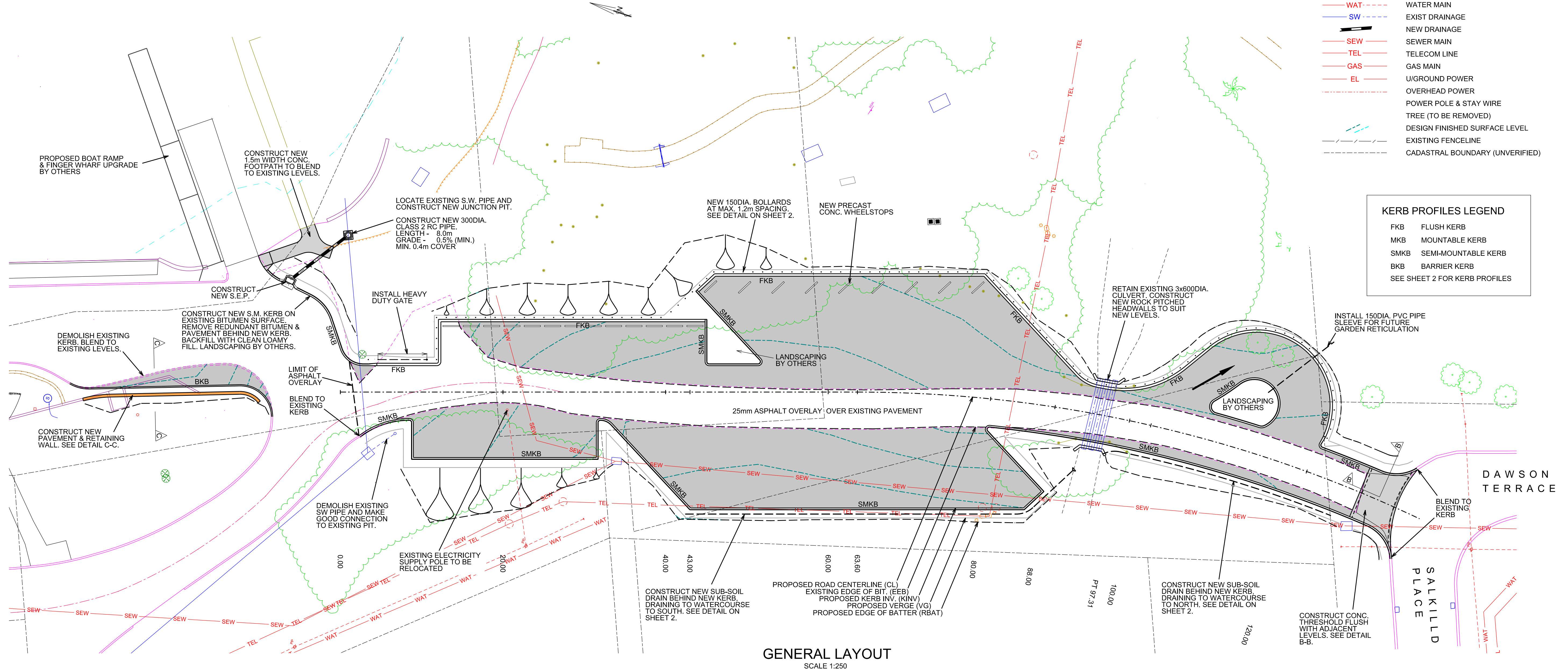


LEGEND:

- WAT — WATER MAIN
— SW — EXIST DRAINAGE
— NEW DRAINAGE
— SEW — SEWER MAIN
— TEL — TELECOM LINE
— GAS — GAS MAIN
— EL — U/GROUND POWER
— OVERHEAD POWER
— POWER POLE & STAY WIRE
— TREE (TO BE REMOVED)
— DESIGN FINISHED SURFACE LEVEL
— EXISTING FENCELINE
— CADASTRAL BOUNDARY (UNVERIFIED)

KERB PROFILES LEGEND

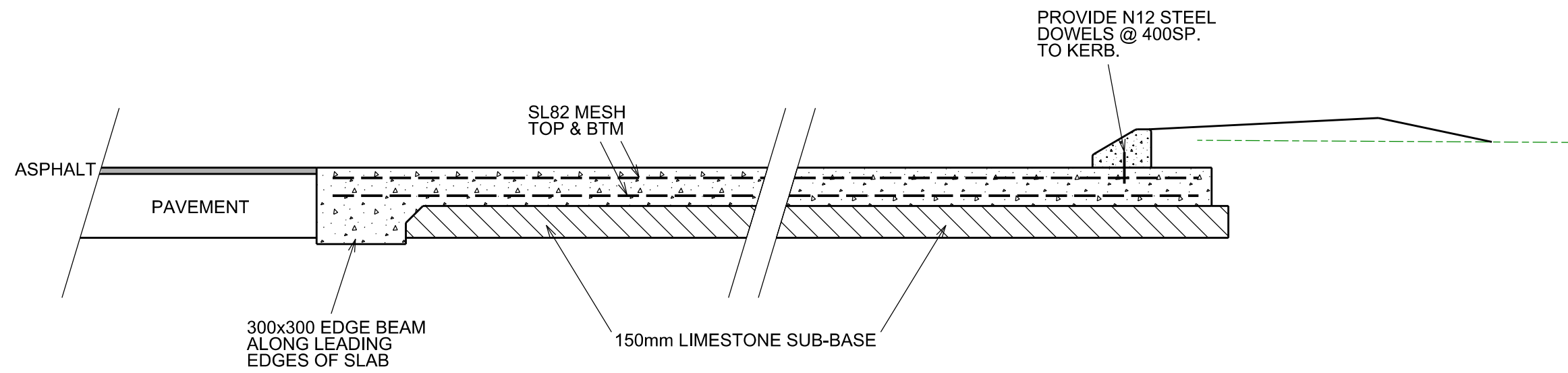
- FKB FLUSH KERB
MKB MOUNTABLE KERB
SMKB SEMI-MOUNTABLE KERB
BKB BARRIER KERB
SEE SHEET 2 FOR KERB PROFILES



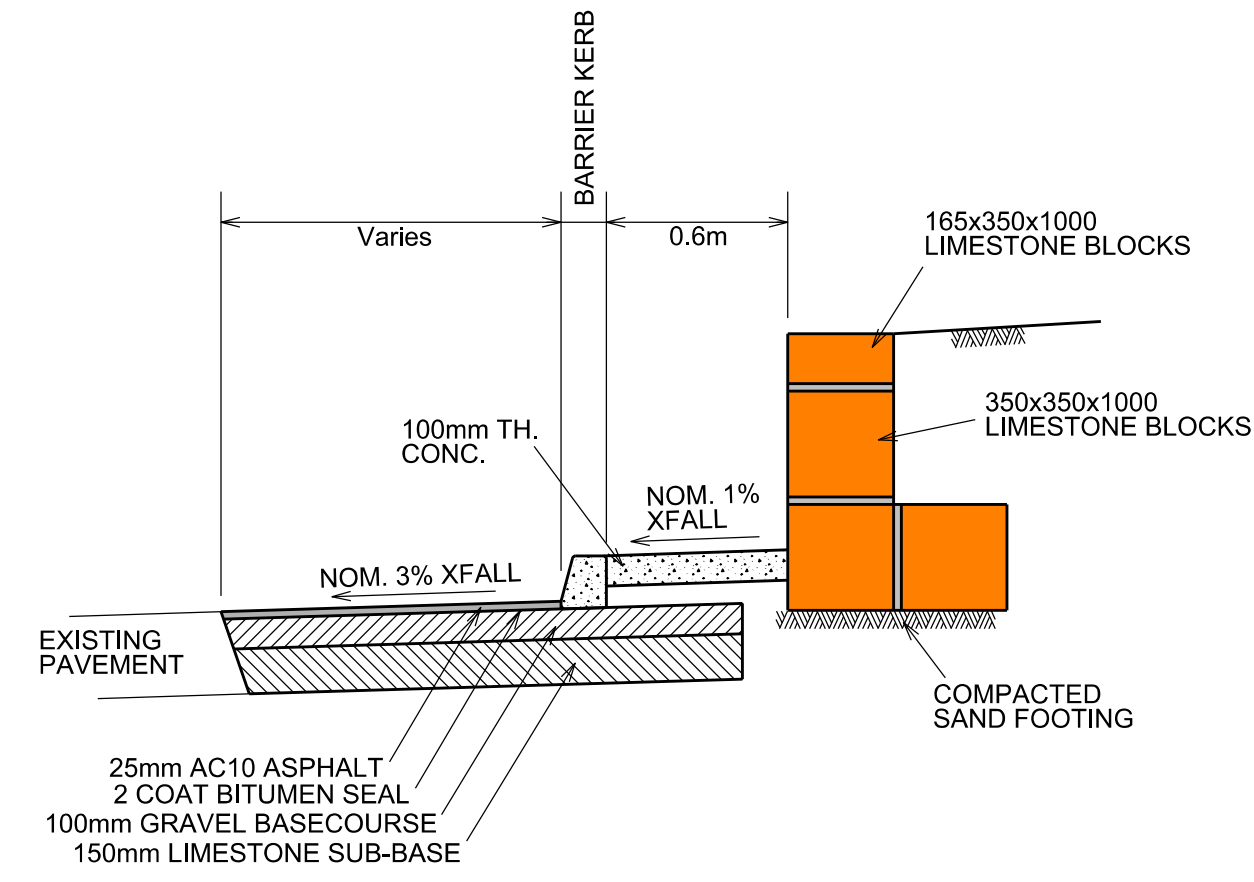
GENERAL LAYOUT
SCALE 1:250

CONCRETE NOTES:

1. ALL MATERIALS AND WORKS TO BE IN ACCORDANCE WITH AS3600.
2. CONCRETE TO BE 32MPa (28 DAY STRENGTH).
3. CONCRETE TO BE COMPACTED USING VIBRATORS.
4. CONSTRUCTION JOINTS TO BE PROVIDED AT MAX. 3m SPACING TO LAYOUT AS APPROVED BY THE ENGINEER.
5. 40mm MIN. COVER TO BE PROVIDED TO STEEL REINFORCEMENT.
6. CONCRETE SURFACE TO BE COARSE BROOM FINISH.




CONCRETE THRESHOLD TYPICAL DETAIL - SECTION B-B
N.T.S.

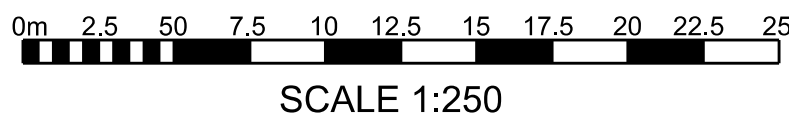
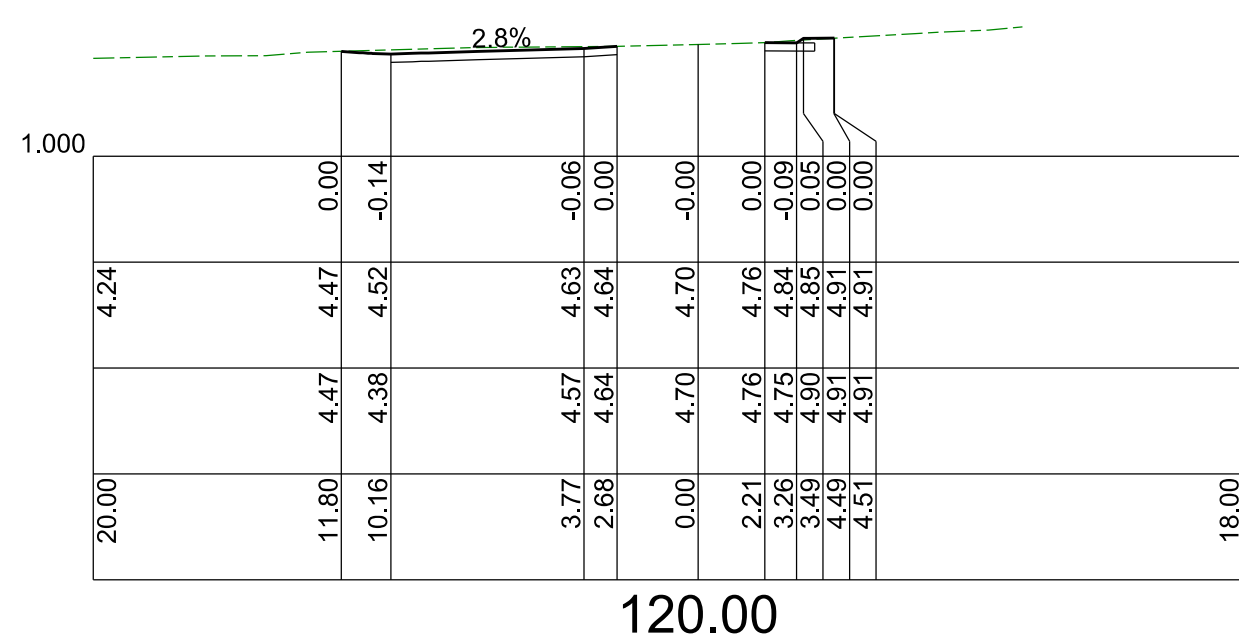
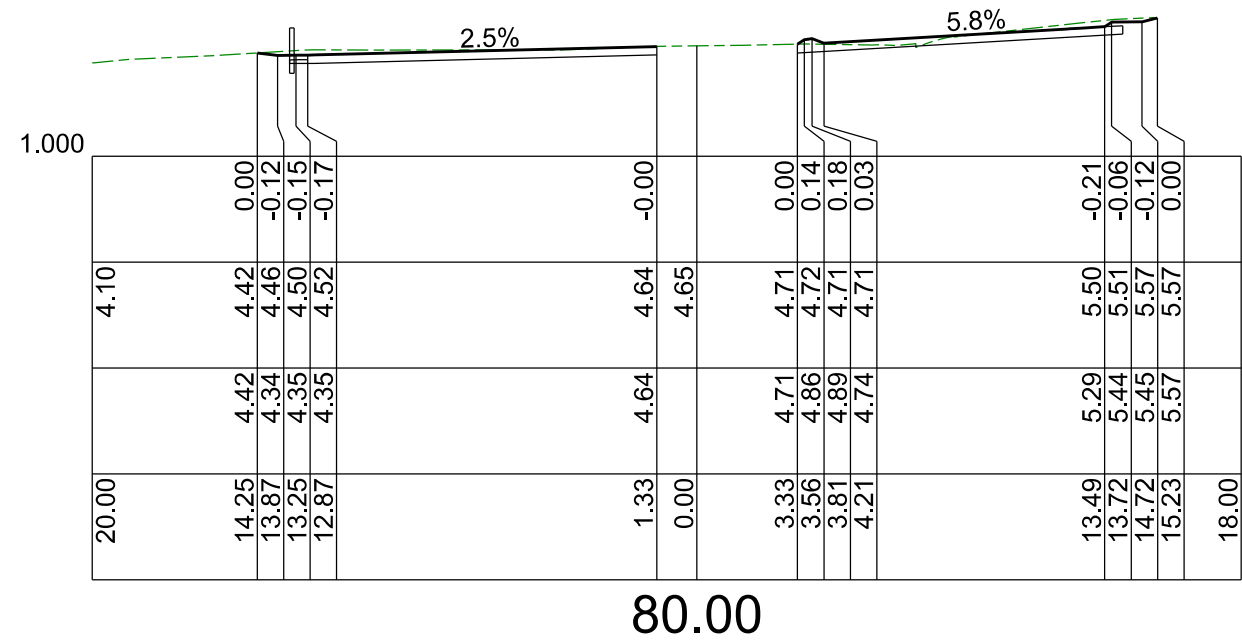
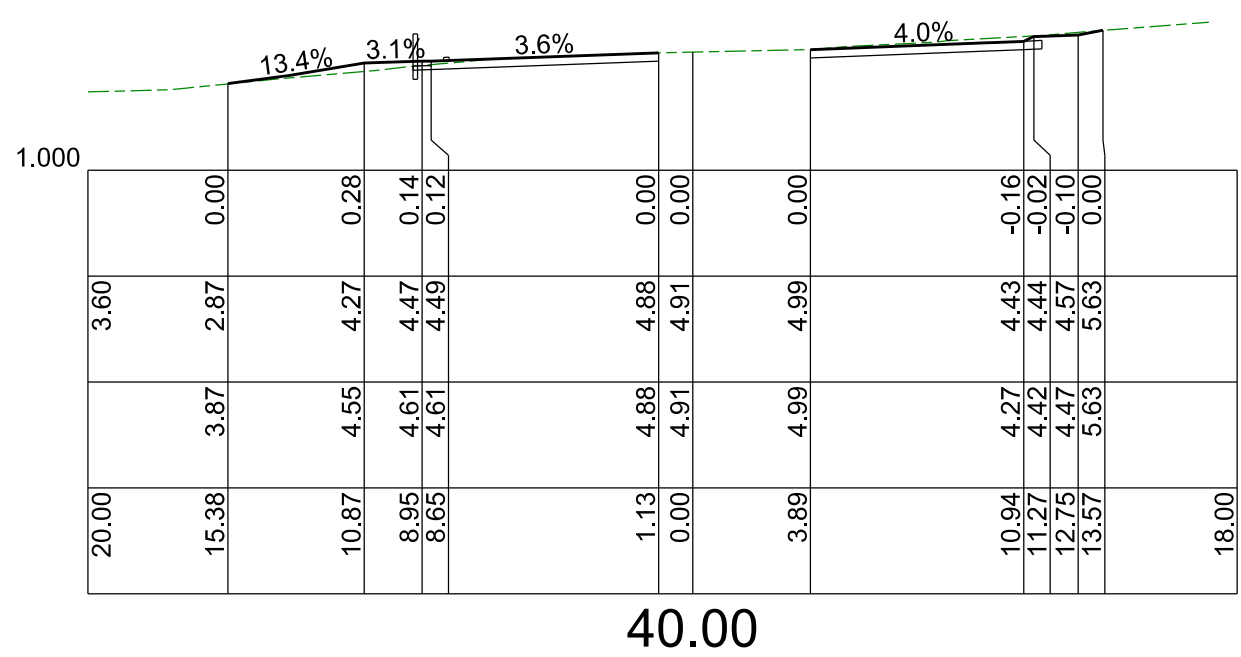
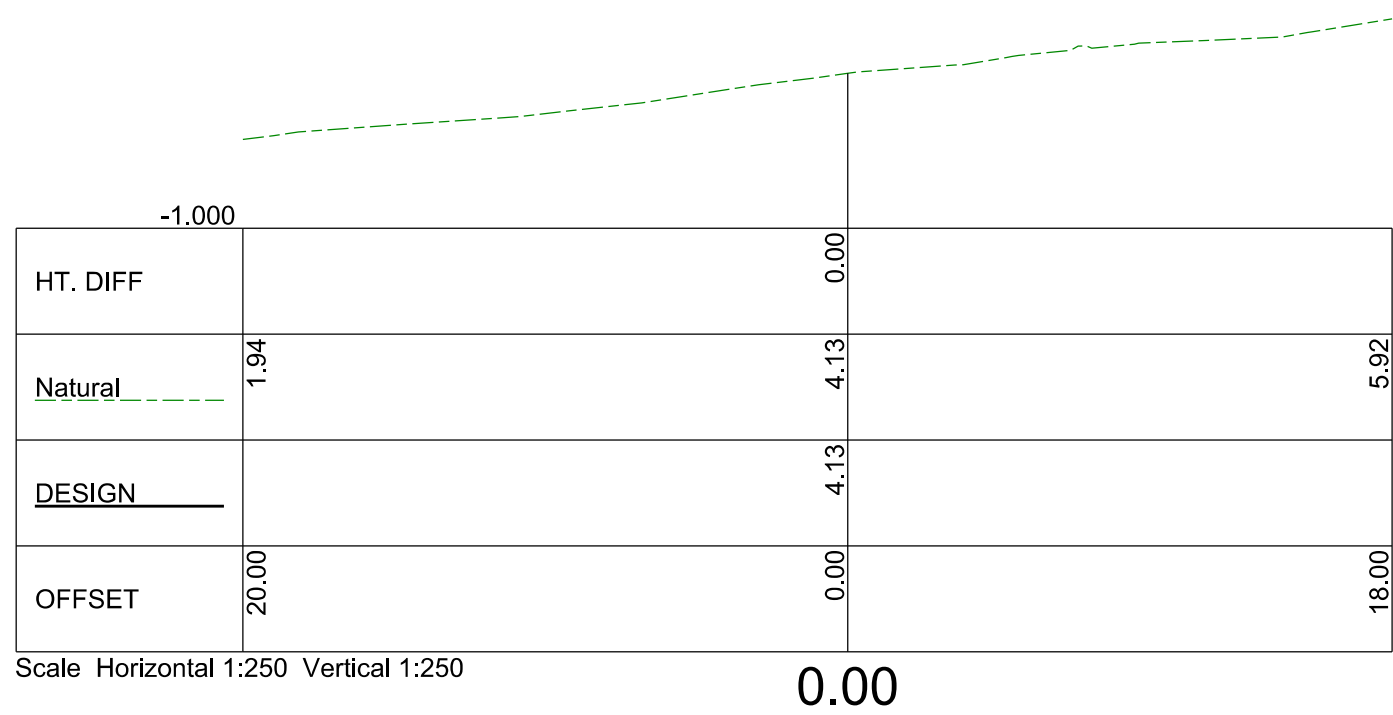
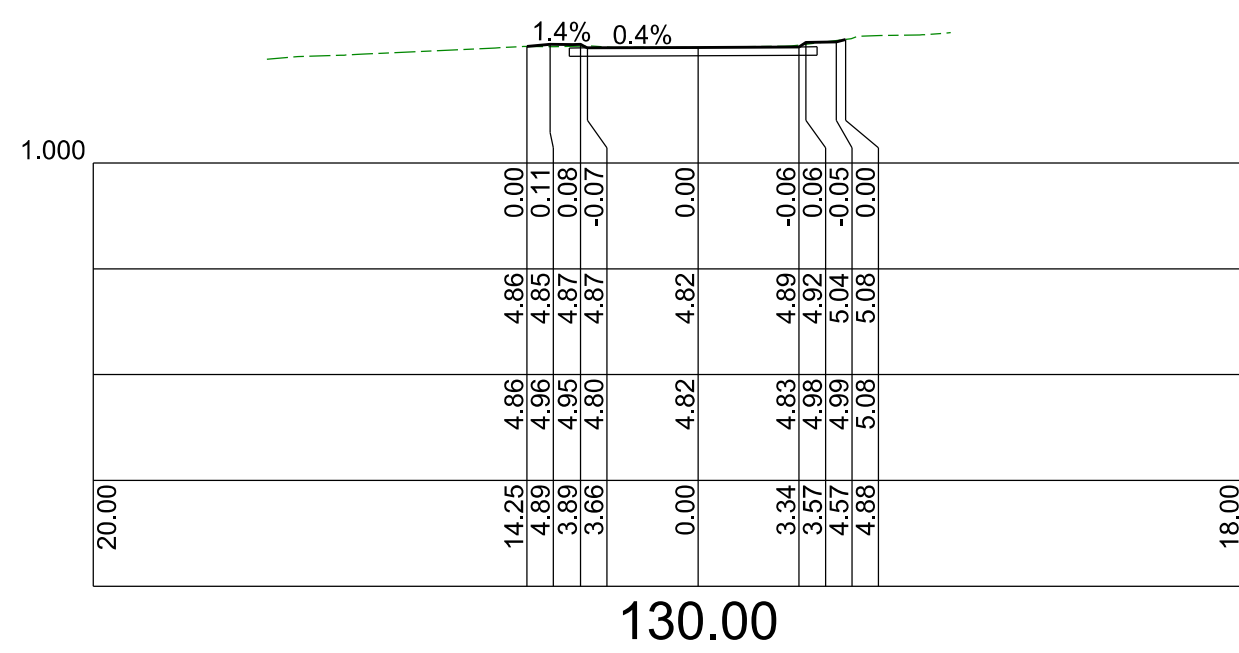
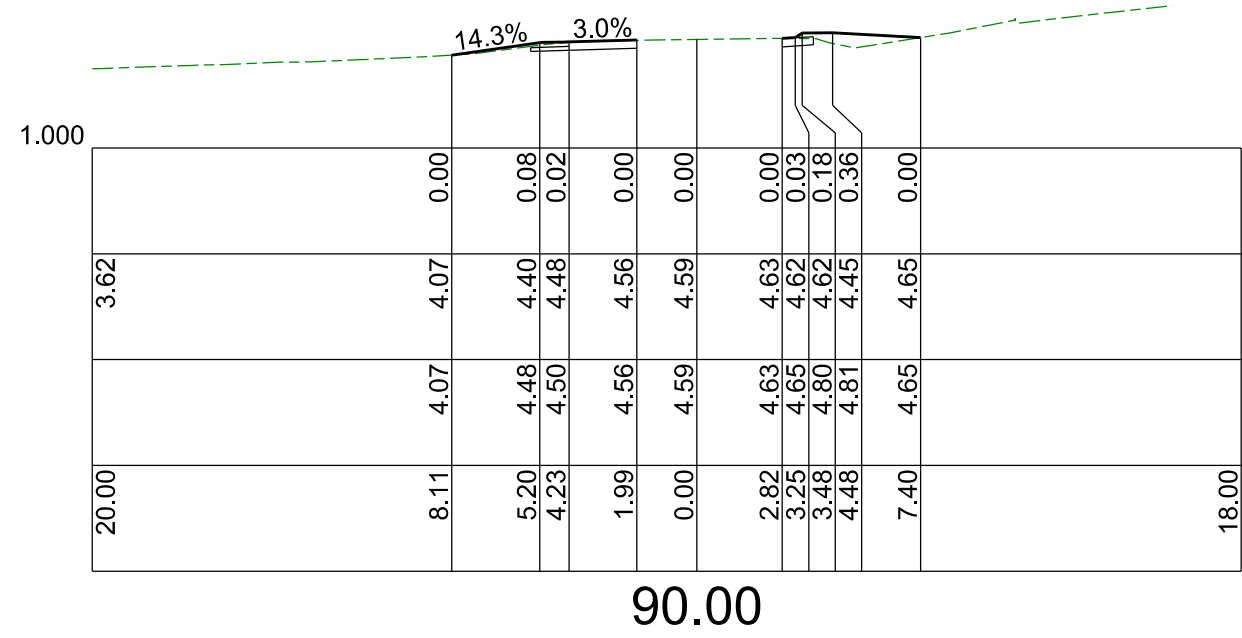
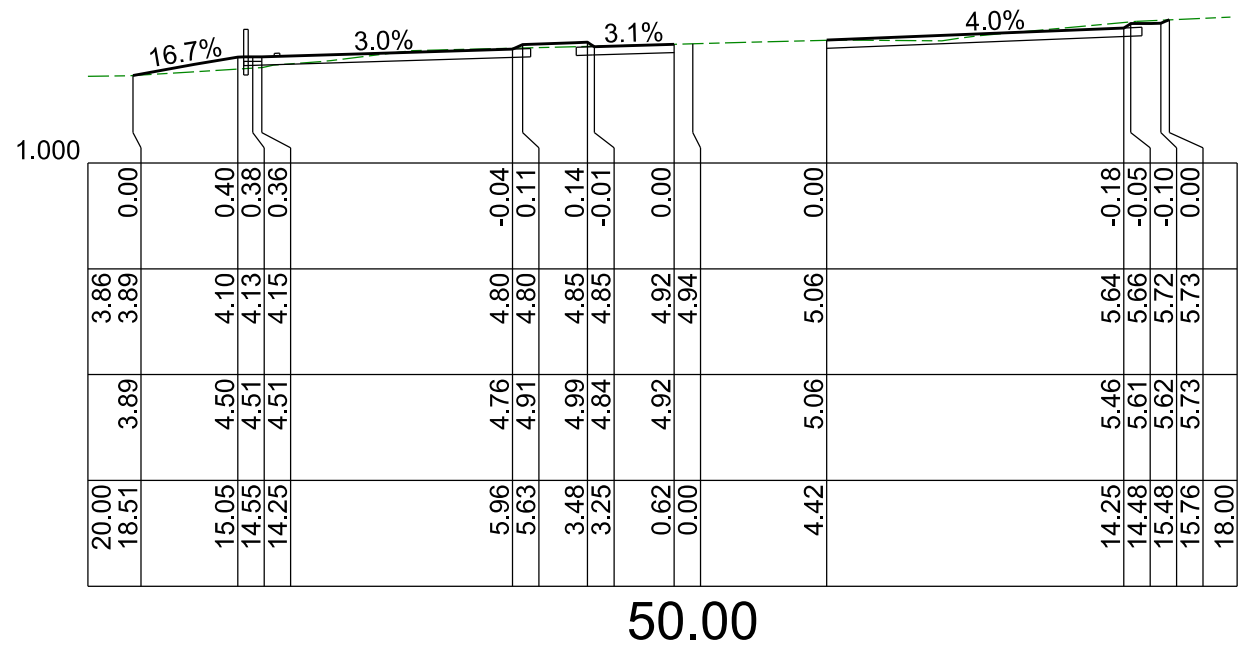
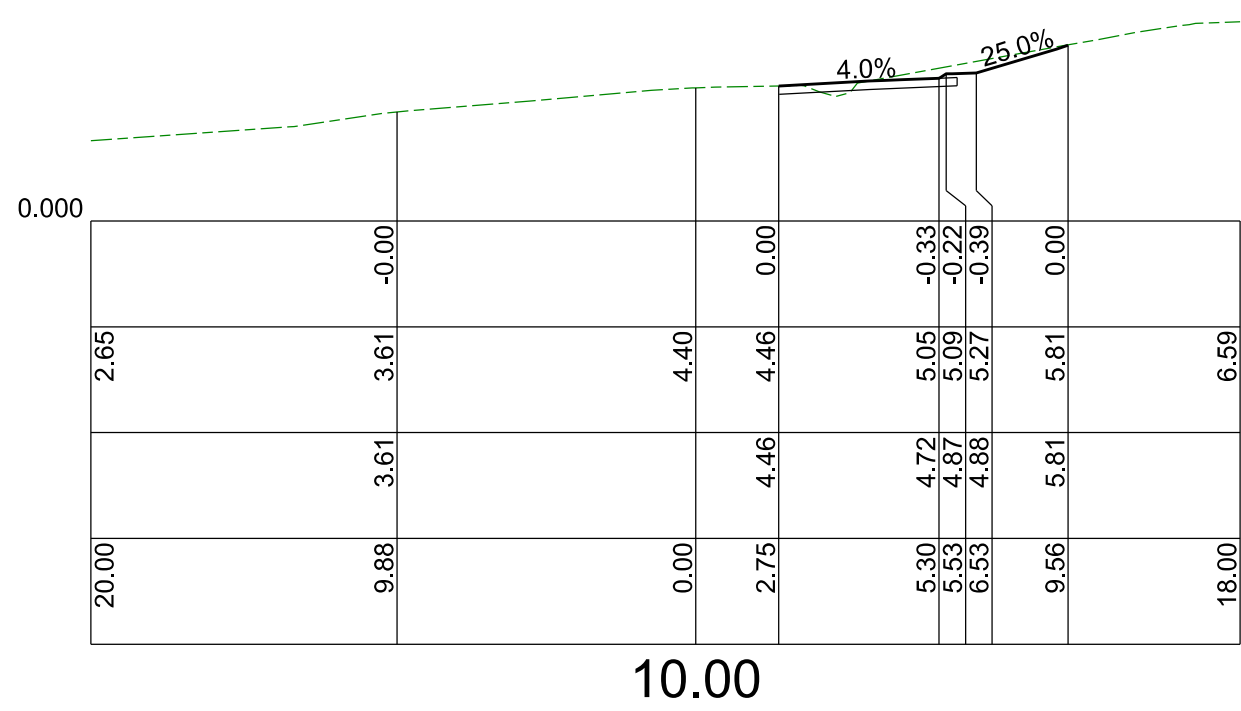
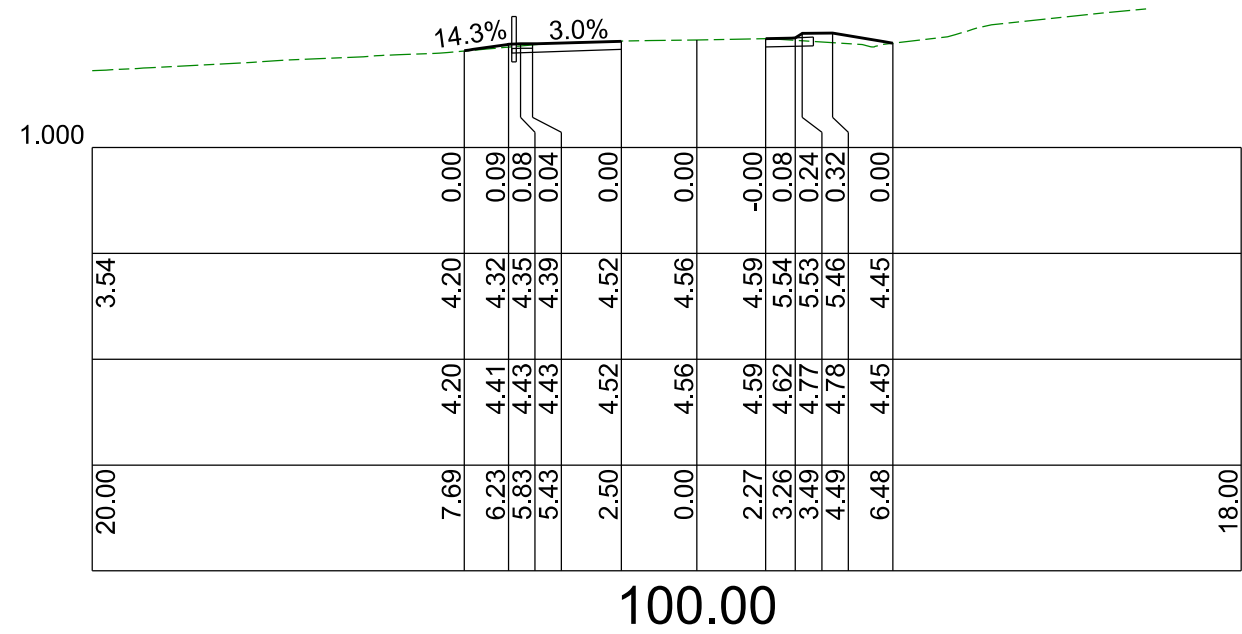
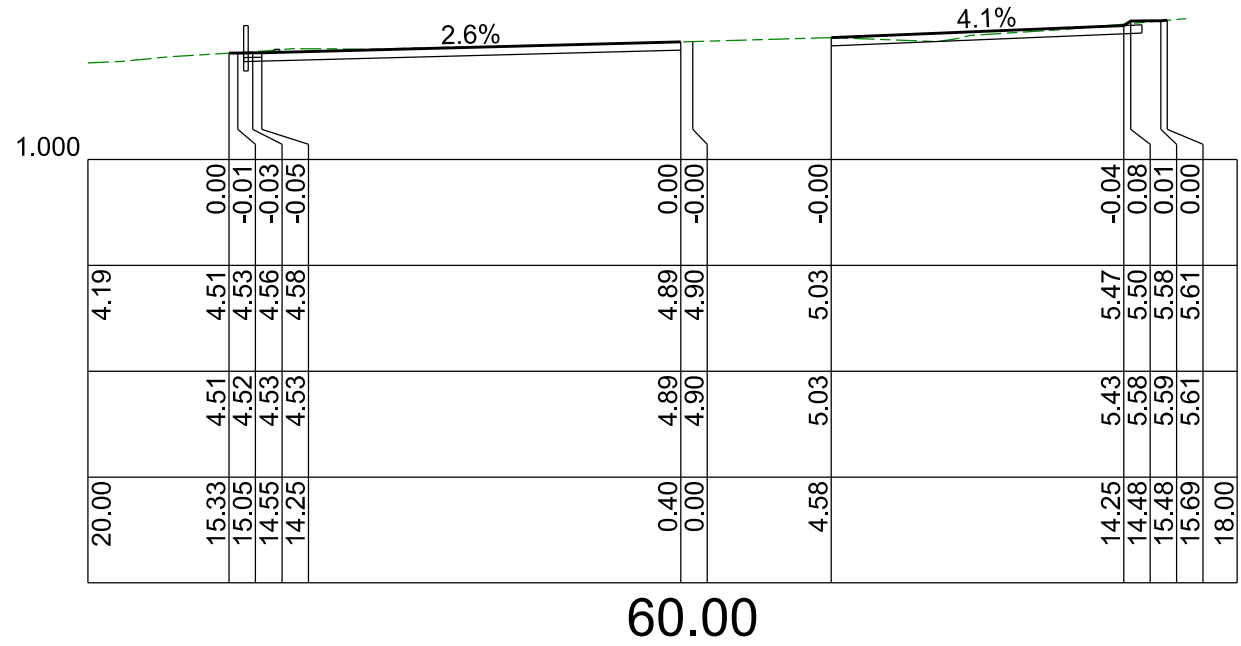
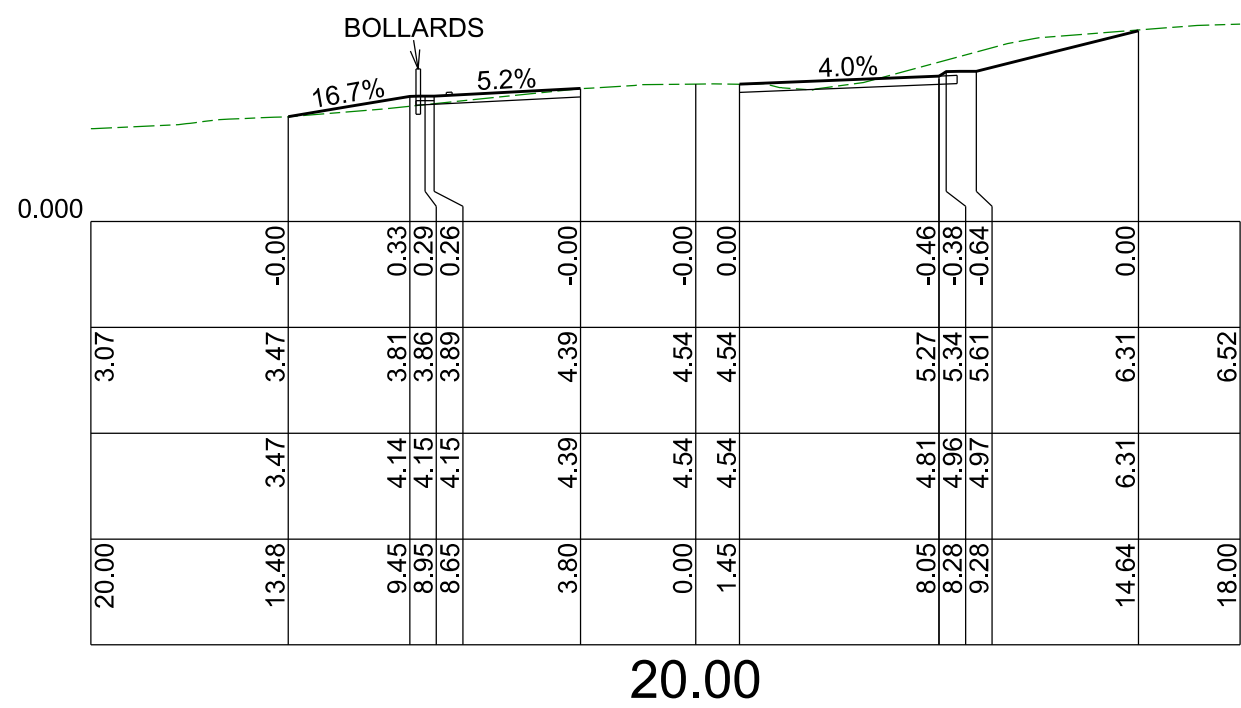
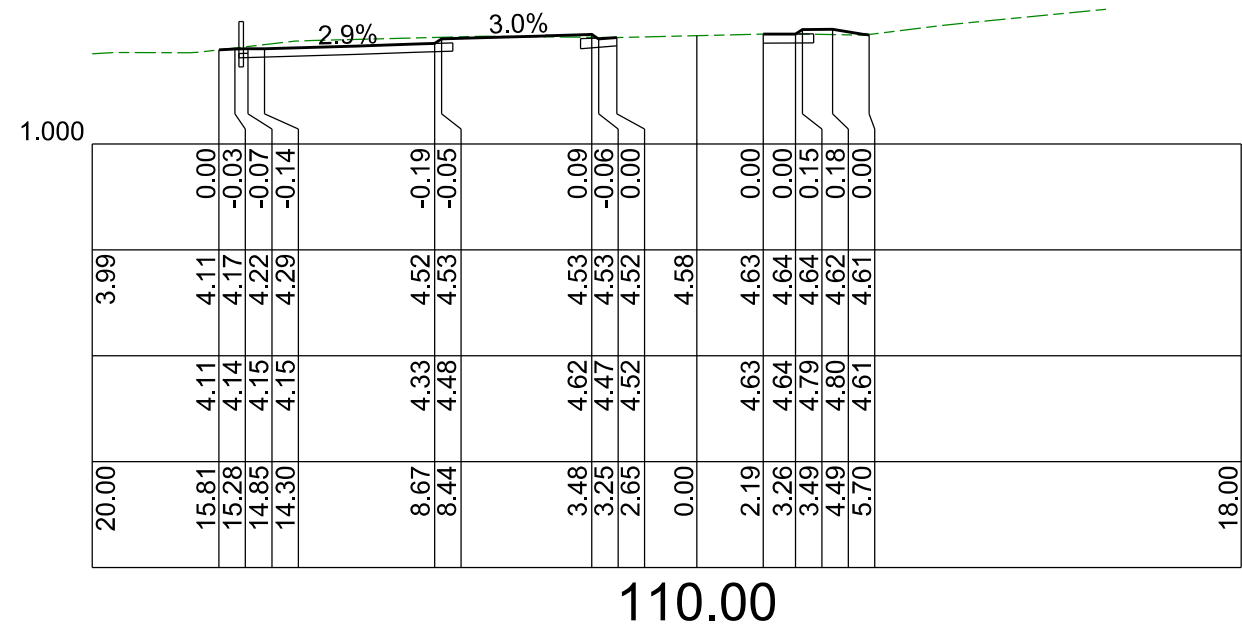
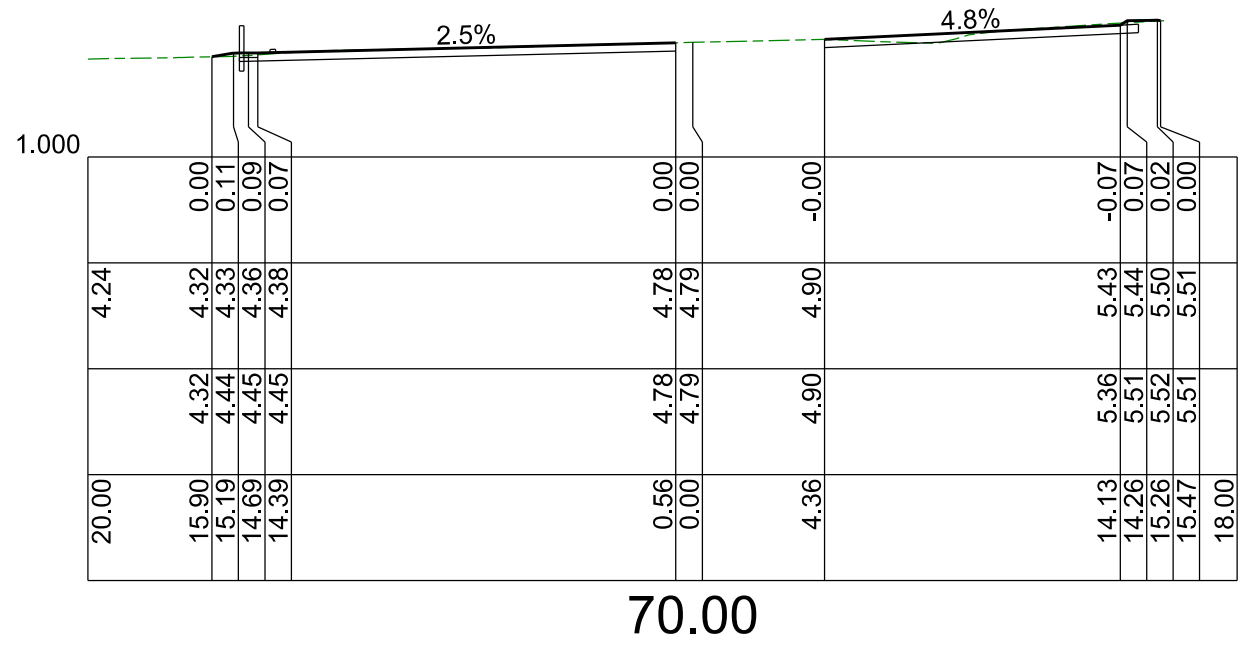
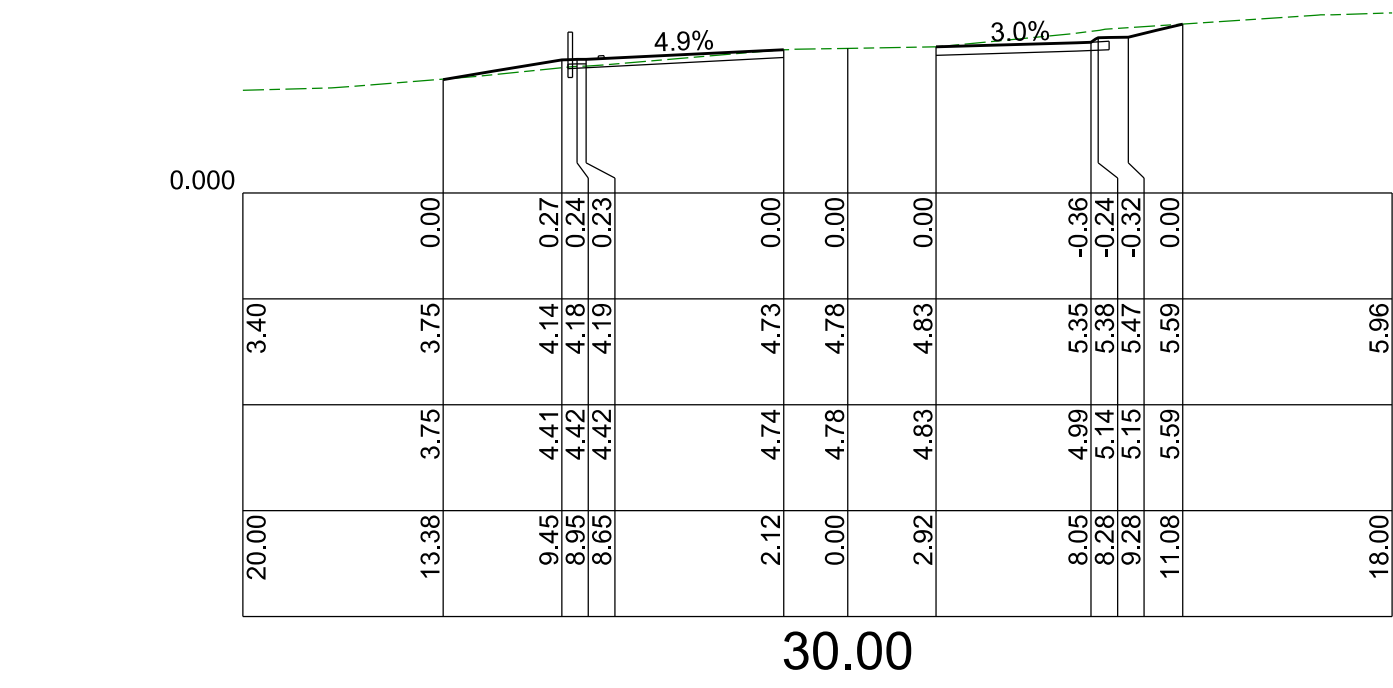


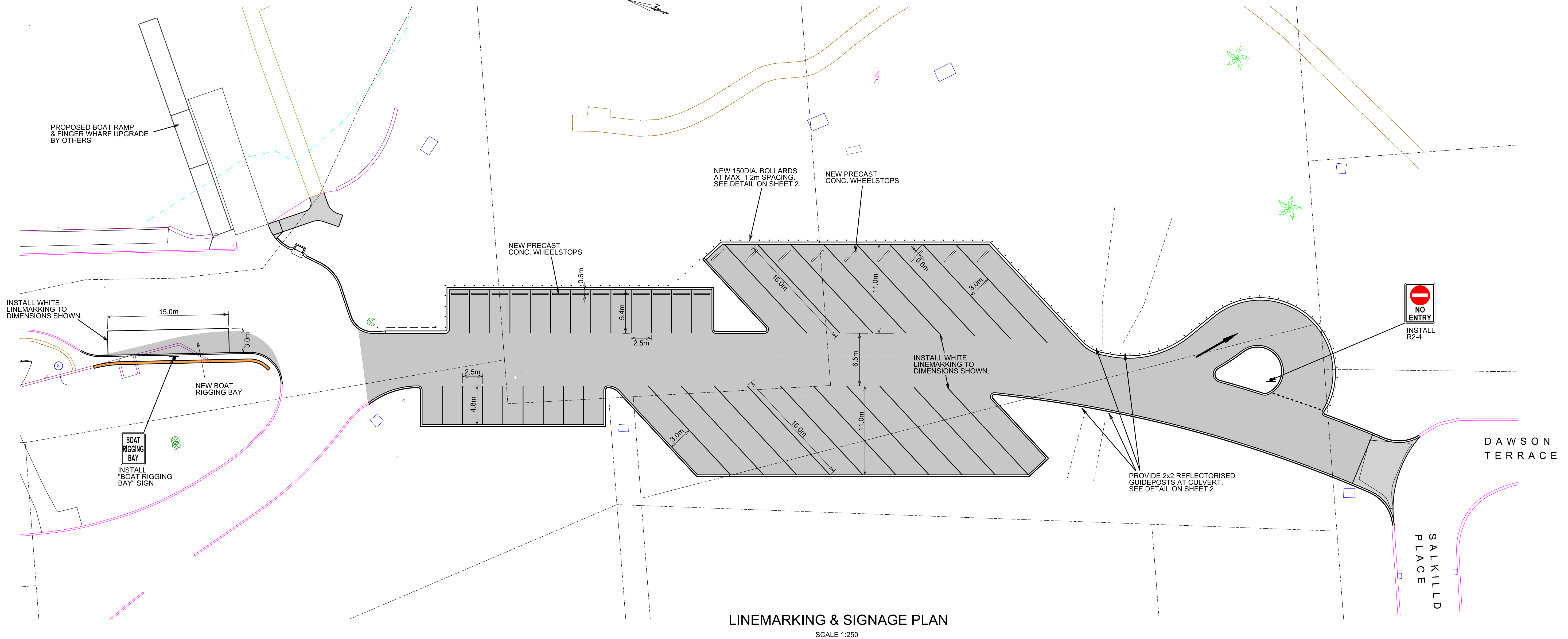
"RIGGING BAY" WIDENING & RETAINING WALL
TYPICAL DETAIL C-C
N.T.S.



0m 2.5 50 7.5 10 12.5 15 17.5 20 22.5 25
SCALE 1:250

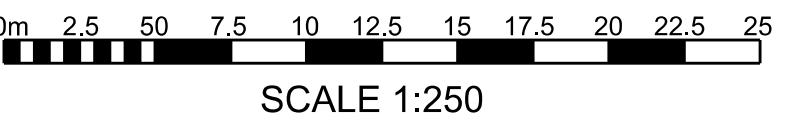
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- WAT - WATER MAIN
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- NEW DRAINAGE
- SEW - SEWER MAIN
- TEL - TELECOM LINE
- GAS - GAS MAIN
- EL - U/GROUND POWER
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				 <div>COATES CIVIL CONSULTING <small>PTY LTD</small></div> <div>Civil Infrastructure Design – Project & Asset Management P.O. Box 2209 BUNBURY WA 6231 Phone : 0409 879 059 Email : coatescivilconsulting@bigpond.com</div>	SCALE 1 : 250 (A1)	SURVEYED: LEEUWIN SURVEYING L.B. F.B. DATE: DEC 2014 DESIGNED & DRAWN: C Coates DATE: JAN 2016 CHECKED: DATE: APPROVED: DATE:	THESE PLANS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED BELOW. DATE :	CLIENT: 	ELLIS STREET BOATRAMP, AUGUSTA PROPOSED CARPARK UPGRADE LINEMARKING & SIGNAGE PLAN		DRAWING No. AU001-D05
A 0	SHIRE AMENDMENTS INITIAL DRAFT FOR COMMENT	7-2-16 20-1-16	DATUM: AHD ORIGIN OF LEVELS: PM xxxx RL xxx.xxx		DATE:	DATE:	DATE:	SHEET No. 5 OF 5	ISSUE DATE: FEB 2016	A1	
MK	DETAILS OF AMENDMENTS	APPROVED	DATE								