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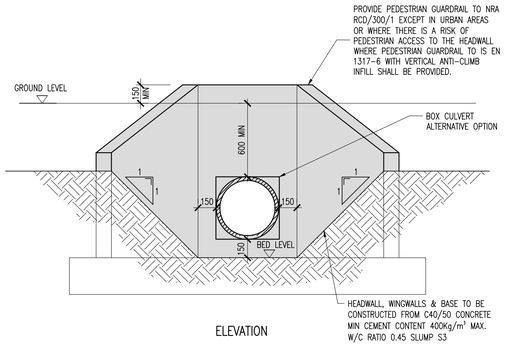
ON ORIGINAL

0 5 10 15 20 25 30 40 50mm

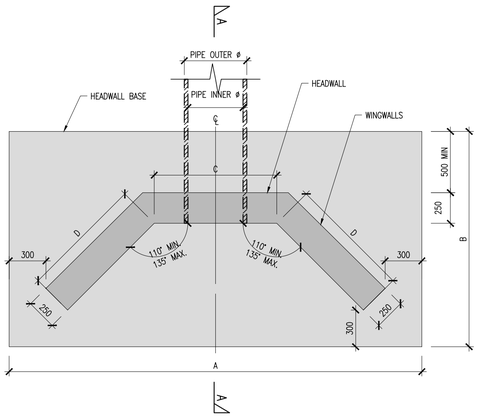
NOTES:

1. C20/25 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 260Kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
2. C25/30 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280Kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
3. C40/50 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 400Kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.45 AND SLUMP CLASS S3.
4. WHERE CLASS 6F1/6F2 CAPPING MATERIAL IS PROPOSED WITHIN 500mm OF CONCRETE OR STEEL, CLASS 6N TO BE USED INSTEAD.
5. THESE DETAILS ONLY TO BE USED IN ASSOCIATION WITH A UNIQUE STRUCTURAL DESIGN.
6. REINFORCED CONCRETE SHALL BE A MINIMUM GRADE OF C40/50. ALL STRUCTURAL CONCRETE SHALL BE SPECIFIED IN ACCORDANCE WITH SERIES 1700 OF THE TII MCDRW.
7. ALL BLINDING CONCRETE SHALL BE C12/15
8. THE MINIMUM COVER TO REINFORCEMENT FOR DURABILITY SHALL BE IN ACCORDANCE WITH TII BD 57. MINIMUM EXPOSURE CLASS TO BE XC4.
9. ANY REULTING VOID BETWEEN THE OUTSIDE OF THE PIPE AND THE OPE IN THE HEADWALL SHALL BE FILLED WITH NON-COMPRESSIBLE HIGH STRENGTH GROUT.
10. ALL EXPOSED CONCRETE SURFACES FROM 100mm BELOW GROUND LEVEL TO BE CLASS U4/F4 FINISH. ALL OTHER CONCRETE SURFACES TO BE CLASS U1/F1 FINISH UNLESS OTHERWISE SPECIFIED.
11. RENDERED CONCRETE BLOCKWORK MAY BE USED AS AN ALTERNATIVE TO IN-SITU OR PRECAST CONCRETE FOR PIPES UP TO 300mm INNER DIAMETER.
12. ALL HEADWALLS SHALL BE BACKFILLED WITH BACKFILL MATERIAL. HEADWALLS SHALL BE FOUNDED ON A MINIMUM 75mm LAYER OF C12/15 BLINDING CONCRETE. DETAILS OF THE SUB-BASE LAYER TO BE CONFIRMED BASED ON SITE CONDITIONS.

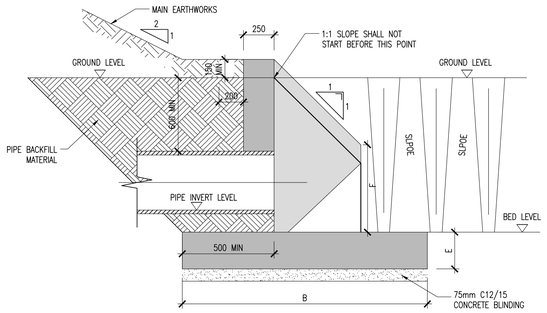
NOTE:
ALL WORKS & SPECIFICATIONS TO BE UNDERTAKEN IN ACCORDANCE WITH
- TII SPECIFICATION FOR ROADWORKS
- GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS
- RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS



ELEVATION



PLAN



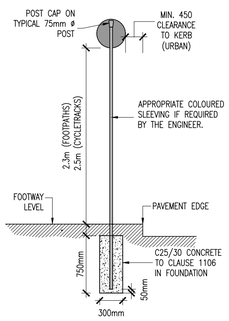
SECTION A-A

HEADWALL

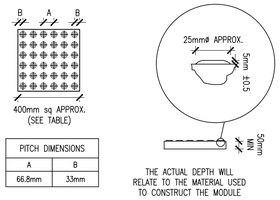
SCHEDULE OF MINIMUM DIMENSIONS				
PIPE INNER ø	C	D	E	F
<=300	PIPE OUTER ø + 300	1000	400	500
301-600	PIPE OUTER ø + 300	1250	400	600
601-900	PIPE OUTER ø + 300	1550	500	700
901-1200	PIPE OUTER ø + 300	1850	500	800
1201-1500	PIPE OUTER ø + 300	2150	500	900
1501-1800	PIPE OUTER ø + 300	2350	500	1000

THE DIMENSIONS CONTAINED IN THE ABOVE TABLE ARE BASED ON THE FOLLOWING CONSTRIANTS:

- BACKFILL MATERIAL IS FREE DRAINING
- THERE ARE NO LIVE LOAD EFFECTS ON THE HEADWALL
- CHARACTERISTIC VALUE OF INTERNAL FRICTION (Φ) OF THE BACKFILL MATERIAL = 37.5°
- 600mm COVER TO THE PIPE AT THE REAR OF THE HEADWALL, WITH A 200mm WIDE FLAT AREA BEFORE THE COMMENCEMENT OF THE MAIN EARTHWORKS SLOPE;
- SLOPE OF FILL MEASURED FROM THE REAR FACE OF THE WINGWALLS DOWNWARDS AND FROM BED LEVEL UPWARDS ARE BOTH TO BE 1:1

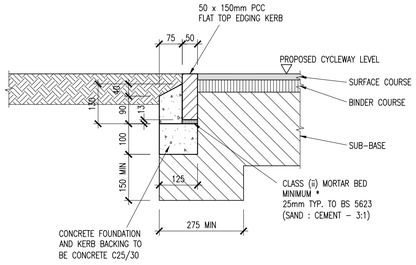


INFORMATION SIGN
(SINGLE POST)

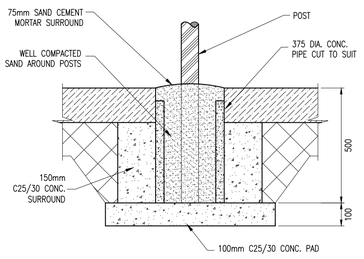


PITCH DIMENSIONS	
A	B
66.8mm	33mm

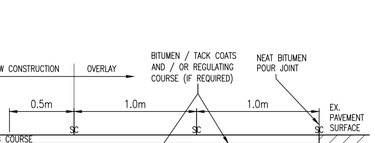
PROFILE & PLAN OF BLISTER SURFACE
N.T.S.



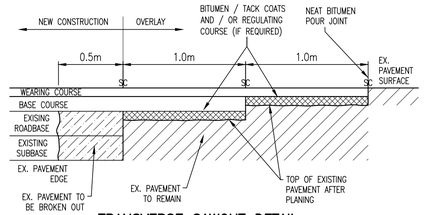
PIN KERB EDGING
SCALE 1:10



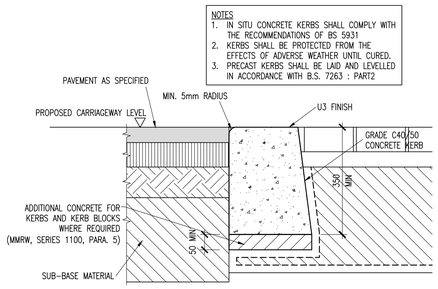
POST POCKET DETAIL
SCALE : 1:50



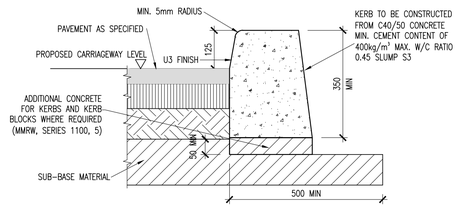
LONGITUDINAL SAWCUT DETAIL
SCALE : 1:25
(SC = SAW CUT LINES, CUT WITH ROTARY SAW.)



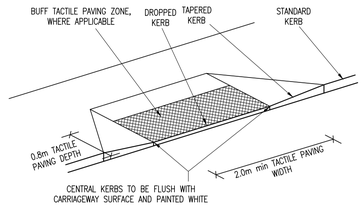
TRANSVERSE SAWCUT DETAIL
SCALE : 1:25
(SC = SAW CUT LINES, CUT WITH ROTARY SAW.)



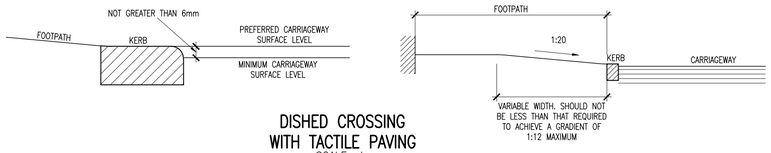
FLUSH KERB DETAIL
SCALE 1:10



INSITU CONCRETE KERB DETAIL
SCALE 1:10



UNCONTROLLED DISHED CROSSING WITH TACTILE PAVING
SCALE 1:50



DISHED CROSSING WITH TACTILE PAVING
SCALE nts

P02	11/02/22	ISSUED FOR PLANNING	RSP	LMCL
P01	15/06/21	ISSUED FOR PRE-PLANNING	KGO	LMCL
rev	date	description	by	chkd.

client approval
- A - Approved
- B - Approved with comments
- C - Do not use

suitability: S2 - INFORMATION
issue purpose: PLANNING

DBFL Consulting Engineers
Civil, Structural & Transportation Engineering
www.dbfl.ie

DUBLIN OFFICE: Ormond House, Upper Ormond Quay, Dublin 7, D07 W704
PHONE +353 1 400 4000

CORK OFFICE: 14 South Mall, Cork, T12 CT91
PHONE +353 (0) 21 2024538

WATERFORD OFFICE: Suite 8b The Atrium, Maritana Gate, Canada Street, Waterford, X91 W028
PHONE +353 51 309 500

project ref.
PROPOSED RESIDENTIAL DEVELOPMENT, LUSK, COUNTY DUBLIN

drawing title
STANDARD DETAILS SHEET 4 OF 7

client
DWYER NOLAN DEVELOPMENTS

designed by	author	scale	sheet size
LMCL	KGO	AS SHOWN	A1

drawing no.: 170006-DBFL-Z0-SP-DR-C-5005
revision: P02