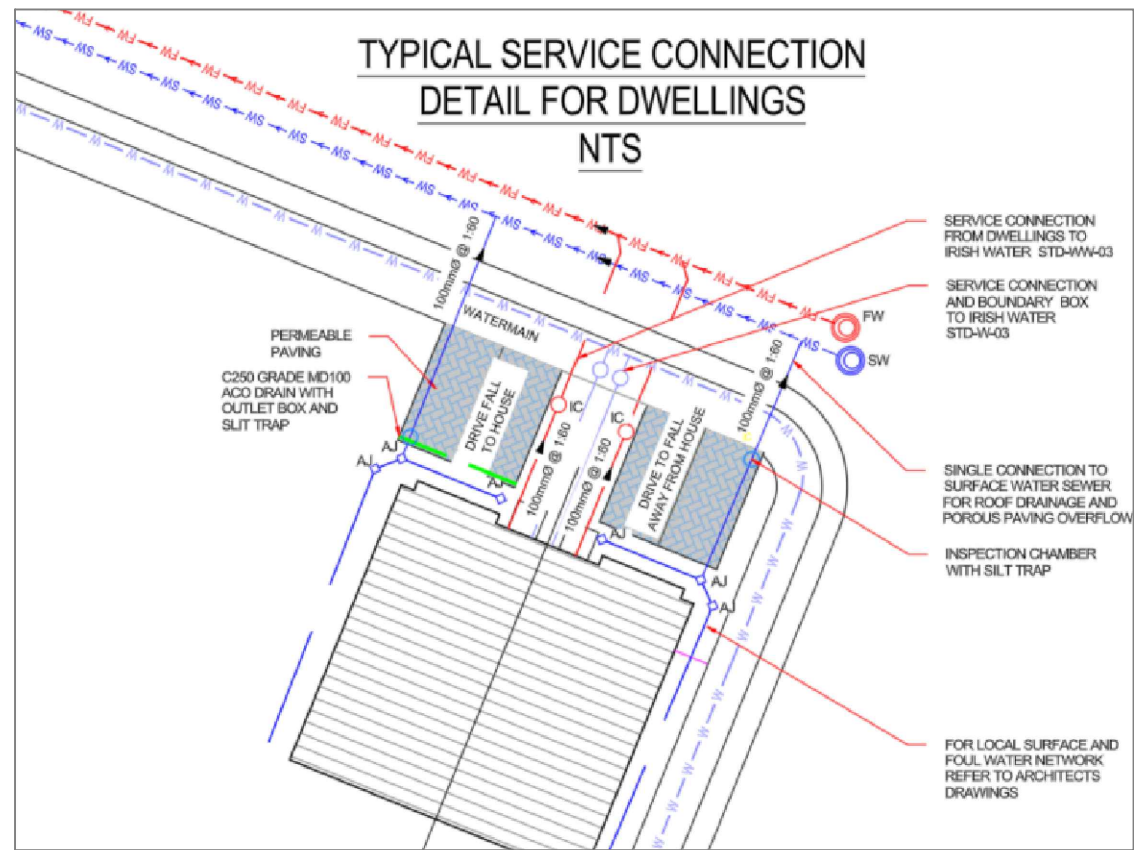


TYPICAL SERVICE CONNECTION
DETAIL FOR DWELLINGS
NTS



KEY:

- SITE BOUNDARY
- PROPOSED GRAVITY SURFACE WATER SEWER
- EXISTING SURFACE WATER SEWER
- PROPOSED FOUL WATER SEWER
- EXISTING FOUL WATER SEWER
- PROPOSED SURFACE WATER MANHOLE
- PROPOSED FOUL WATER MANHOLE
- PROPOSED 150mm PERFORATED DRAIN
- PROPOSED ROAD GULLY
- FOUL WATER INSPECTION CHAMBER
- SURFACE WATER INSPECTION CHAMBER

FOR PLANNING

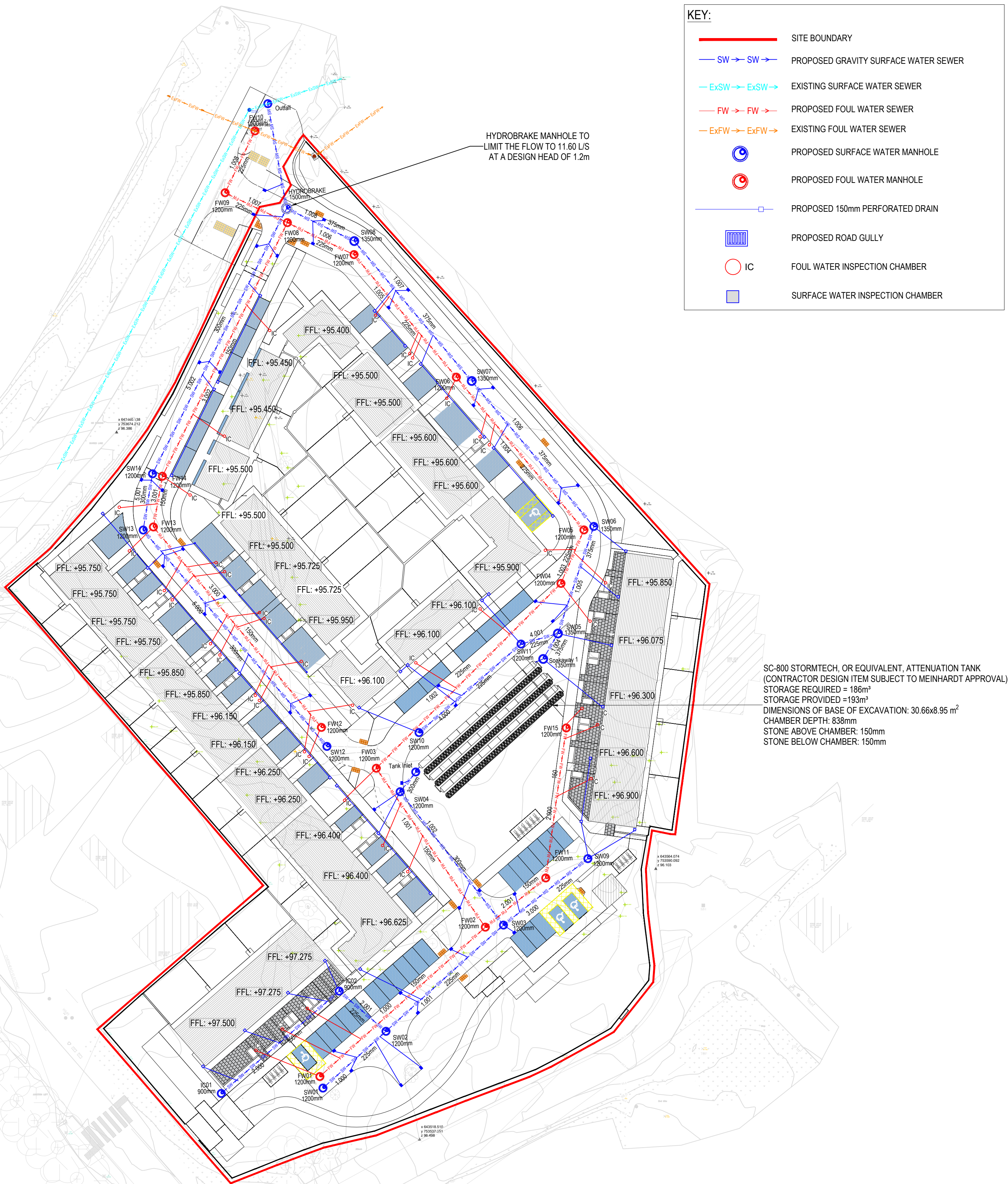
REV	DESCRIPTION	BY	DATE
P01	FOR COSTING	IO	27.02.26
P02	FOR COSTING	IO	18.03.26
P03	PART 8 PLANNING	ED	27.05.26
P04	PART 8 PLANNING	ED	19.06.26
P05	PART 8 PLANNING	IO	06.07.26
P06	PART 8 PLANNING	AL	15.07.26

NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
- ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
- MEINHARDT LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
- ALL UNITS ARE IN METERS UNLESS OTHERWISE STATED.
- ALL LEVELS ARE IN METERS TO MALIN HEAD ORDINANCE DATUM.
- DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
- DO NOT SCALE. ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.
- THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
- MANHOLE COVERS IN PUBLICLY ACCESSIBLE AREAS SHALL BE HEAVY DUTY CAST IRON, CLASS D400, DOUBLE SEALED AND LOCKABLE TYPE COMPLYING WITH IS EN124:2015. ALL COVERS SHALL HAVE "SURFACE WATER" OR "FOUL WATER" CAST INTO THE COVER. ALL COVERS TO BE EJ MAESTRO OR SIMILARLY APPROVED.
- GULLY GRATINGS & FRAMES SHALL COMPLY WITH IS EN124:2015.
- EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.
- SURFACE & FOUL WATER PIPES LESS THAN 1.2m BELOW THE ROAD SURFACE & 0.9m IN NON-TRAFFICKED FOOTPATHS AND LANDSCAPE AREAS (WITH AN ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE EXTERNAL CROWN OF THE PIPE OF 750mm) SHALL BE PROTECTED FROM DAMAGE BY PROVIDING A MINIMUM 150mm THICK CONCRETE C16/20 HAUNCH IN ACCORDANCE WITH IS EN 12620.
- ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF WESTMEATH COUNTY COUNCIL.
- CCTV SURVEY TO BE CONDUCTED PRIOR TO COMMENCEMENT OF ANY WORKS TO DETERMINE THE CONDITION AND VERIFY LEVELS OF THE EXISTING FOUL AND SURFACE WATER PIPES/MANHOLES TO BE REPORTED AND CORRECTED.
- ALL SURFACE WATER DRAINAGE DETAILS TO BE IN ACCORDANCE WITH THE GREATER DUBLIN STRATEGIC DRAINAGE STUDY AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR THE DRAINAGE WORKS.
- ALL PROPOSED FOUL WATER NETWORK TO BE IN ACCORDANCE WITH UISCE ÉIREANN CODE OF PRACTICE AND STANDARD DETAILS.
- EXISTING SERVICES SHOWN ON DRAWINGS ARE BASED ON PUBLIC RECORDS AVAILABLE AT THE DATE OF THIS PLANNING APPLICATION. RECORDS COULD BE INACCURATE, THEREFORE SHOULD BE VERIFIED VIA GPR AND MANHOLE SURVEY PRIOR TO ANY DETAILED DESIGN COMMENCING.
- ALL PROPOSED SEWERS ARE TO BE UNPLASTICISED PVC PIPES AND SHALL COMPLY WITH THE PROVISIONS OF IS 1401 2009/2012. PIPES TO BE APPLICATION AREA CODE "UD", STIFFNESS CLASS 8kN/m² (SN8).
- WORKS SHALL BE CARRIED OUT TO IRISH WATER CODE OF PRACTICE DOCUMENT CDS-5030-03.
- ALL PROPOSED FOUL SEWER LAYOUT SHALL BE BUILT IN ACCORDANCE WITH UISCE ÉIREANN STANDARD DETAILS STD-VV-02 & STD-WV-03.

SURFACE WATER NETWORK DETAILS										
Pipe Number	US/MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL (m)	DS/IL (m)	US/CL (m)	Pipe DIA (mm)	US D.Depth (m)	DS D.Depth (m)
SW1.000	SW01	16.35	0.10	170	94.77	94.67	97.12	225	2.13	2.00
SW1.002	SW03	32.51	0.13	246	94.50	94.37	96.54	300	1.74	1.58
SW1.003	SW04	37.62	0.15	246	94.38	94.23	96.24	300	1.56	1.33
SW1.004	Soakaway 1	5.67	0.02	333	94.22	94.20	95.85	375	1.26	1.22
SW1.006		SW06	36.55	0.11	326	94.13	94.02	95.73	375	1.22
SW1.008	SW08	14.47	0.04	337	93.92	93.87	95.20	375	0.91	0.85
SW5.000	SW12	54.69	0.34	160	94.52	94.18	96.48	300	1.66	1.08
SW5.001	SW13	10.99	0.05	244	94.18	94.14	95.56	300	1.08	0.97
SW1.009	Hydrobrake	20.69	0.10	203	93.87	93.77	95.10	225	1.00	1.01
SW5.002		SW14	57.31	0.26	218	94.14	93.87	95.40	300	0.97
SW4.000	SW10	28.15	0.28	102	94.70	94.42	96.12	225	1.20	1.28
SW4.001	SW11	7.39	0.07	109	94.42	94.35	95.92	225	1.28	1.23
SW2.000	IC01	28.10	0.40	70	95.30	94.90	97.41	150	1.96	2.13
SW3.000	SW09	20.70	0.12	167	94.63	94.51	96.61	225	1.76	1.81
SW2.001	IC02	12.13	0.15	81	94.90	94.75	97.18	150	2.13	2.00
SW1.001	SW02	30.53	0.18	170	94.67	94.49	96.90	225	2.00	1.82
SW1.007	SW07	35.25	0.10	339	94.02	93.92	95.46	375	1.07	0.91
SW1.005	SW05	21.76	0.07	325	94.20	94.13	95.80	375	1.23	1.22

FOUL WATER NETWORK DETAILS										
Pipe Number	US/MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL (m)	DS/IL (m)	US/CL (m)	Pipe DIA (mm)	US D.Depth (m)	DS D.Depth (m)
FW1.000	FW01	42.97	0.84	51	95.78	94.94	97.11	150	1.18	1.46
FW1.001	FW02	37.13	0.62	60	94.27	93.65	96.55	150	2.13	2.40
FW1.002	FW03	50.39	0.40	125	93.58	93.18	96.20	225	2.40	2.42
FW1.003	FW04	11.22	0.09	125	93.18	93.09	95.82	225	2.42	2.42
FW1.004	FW05	38.35	0.31	125	93.09	92.78	95.73	225	2.42	2.44
FW1.005	FW06	30.78	0.25	125	92.78	92.53	95.45	225	2.44	2.45
FW1.006	FW07	13.71	0.11	125	92.53	92.42	95.21	225	2.45	2.45
FW1.007	FW08	12.29	0.10	125	92.42	92.33	95.10	225	2.45	2.44
FW1.008	FW09	12.83	0.10	125	92.33	92.22	94.99	225	2.44	2.47
FW2.001	FW11	14.98	0.25	60	94.52	94.27	96.57	150	1.89	2.13
FW3.000	FW12	50.40	0.84	60	95.08	94.24	96.43	150	1.20	1.17
FW3.001	FW13	9.93	0.17	60	94.24	94.07	95.56	150	1.17	1.18
FW3.002	FW14	53.57	0.52	103	93.63	93.11	95.40	150	1.62	1.84
FW2.000	FW15	29.21	0.49	60	95.01	94.52	96.36	150	1.20	1.89



SC-800 STORMTECH, OR EQUIVALENT, ATTENUATION TANK (CONTRACTOR DESIGN ITEM SUBJECT TO MEINHARDT APPROVAL)
STORAGE REQUIRED = 186m³
STORAGE PROVIDED = 193m³
DIMENSIONS OF BASE OF EXCAVATION: 30.66x8.95 m²
CHAMBER DEPTH: 838mm
STONE ABOVE CHAMBER: 150mm
STONE BELOW CHAMBER: 150mm



PROJECT		NEW RESIDENTIAL DEVELOPMENT HARBOUR ROAD MULLINGAR, Co. WESTMEATH.	
CLIENT		WESTMEATH COUNTY COUNCIL	
TITLE		PROPOSED DRAINAGE LAYOUT	
DISCIPLINE	CIVIL	SCALE	1:500
DRAWN	DESIGNED	CHECKED	APPROVED
IO	AM	AL	AL
DRAWING No	26019-MHT-XX-ZZ-DR-C-0500		
ISSUE	P06		