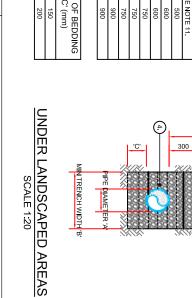


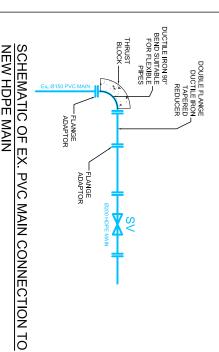
DEPTH OF REINSTATED TOPSOIL TO MATCH EXISTING.

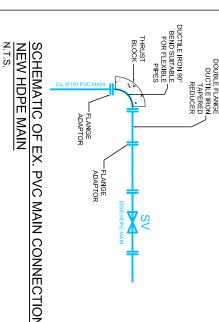
99

SCHEMATIC OF PROPOSED MAIN CONNECTION TO EXISTING WATERMAIN



UNDER ROADS / HARDSTANDINGS / FOOTPATHS





CONCRETE ENCASEMENT DETAIL WHERE MIN. COVER NOT PROVIDED

150MM MIN GRADE ST3 CONGRETE SURROUND

N LIEU OF GRANULAR BEDDING, ON HDPE MAINS WRAP THE MAIN N TWO LAYERS OF HEAVY DUTY POLYETHYLENE PRIOR TO POURNIGHTHE CONCRETE ENCASEMENT.

BOUNDARY BOX AND LID WITH INTEGRAL -STOPCOCK TO IRISH WATER REQUIREMENTS

PROVIDED WHERE COVER TO PIPES: < 1.2m IN ROADS
OR PIPES UNDER BUILDINGS: <0.9m IN GARDENS/GRASSED AREAS

BOUNDARY BOX

SECTION NOT TO SCALE

SERVICE PIPE

30MM DBM (AC40) ROAD BASE-

1/40

40MM BINDER COURSE AC20 DBM BIN REC (40/60PEN) 25MM SURFACE COURSE AC10 CLOSE SURFACE REC (160/220)

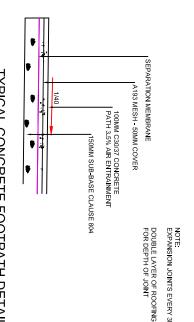
NOTE: DEPTH OF SUB-BASE TO INREASE LOCALLY TO FORM RAMPS

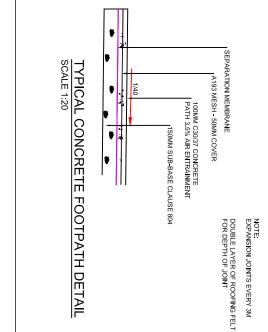
KERBS 250MM X 125MM

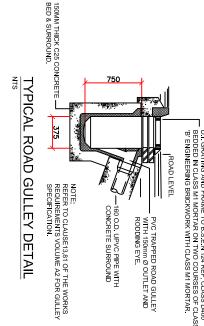
CLASS CF2 CAPPING LAYER
DEPTH VARIES TO ROCK —
150MM SUB-BASE CLAUSE 804

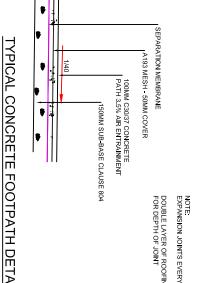
5.5m ROAD

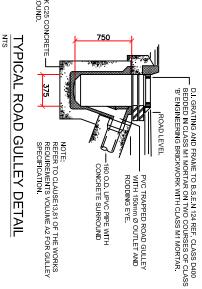
TYPICAL ROAD SECTION SCALE 1:25











250x125mm
PRECAST CONCRETE
KERBS TO I.S. 146

100 125

250x125mm
PRECAST CONCRETE—
KERBS TO I.S. 146

100 125

<u>25</u> 100 125

FINISHED ROAD SURFACE

50

ROAD

125

, <u>25</u> ,100

ROAD KERB SECTION
SCALE 1:10

DROP KERB SECTION
SCALE 1:10

300

300



PRESSURE REDUCING/SUSTAINING VALVE CHAMBER 38. REFER TO IRISH WATER STD-W-24 FOR CONSTRUCTION DETAILS. <u>4IR VALVES</u> 36. REFER TO IRISH WATER STD-W-20 TO 23 FOR C

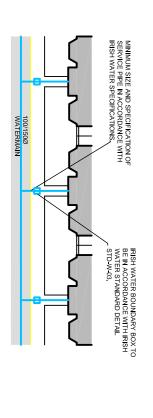
BOOSTER PUMP STATION ARRANGEMENT
39. REFER TO IRISH WATER STD-W-25 FOR CONSTRUCTION DETAILS.

M. REER CHAIRERS

4M. REER TO MISERS

4M. REER TO MISERS

4M. RESH WATER STD-W-26 FOR CONSTRUCTION DETAILS, METER SPECIFICATION TO IRISH WATER APPROVAL.



SCALE 1:200 TYPICAL WATER CONNECTION TO INDIVIDUAL UNITS

- 3. THE MINIMAN DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF THE PIPE SHALL BE 750mm WITH AM ABSOLUTE MINIMAM OF 80mm FOR SHORT IDSTANCES (SUBJECT TO 1981 WATER AGREEMENT). SEE SECTIONAL TO FCODE OF PRACTICE FOR SERVICE CONNECTIONS, 90mm FOR WATER MANNS, GERAL MAY BE ROQUEDED WHERE MISH TRAFFIC LOADING IS MITICIPATED. THE MAXIMAM COVER SHOULD SHOULD NOT EXCEED TRAFFIC LOADING IS MITICIPATED. THE MAXIMAM COVER SHOULD SHOULD NOT EXCEED A PIPE TO DIM SEMECOMEN'T WITH WIS 4-09-02 AND IGN 4-98-01 GRANULAR MATERIAL SHALL BE THE TO DIM SEMECOMEN'T WITH WIS 4-09-02 AND IGN 4-98-01 GRANULAR MATERIAL SHALL BE ALL WORKS TO DE IN ACCORDANCE WITH IRISH WATERS "CODE OF PRACTICE FOR WATER IMPRASTRUCTURE." 1. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.

 2. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING. ALL DIMENSIONS TO BE CHECKED DO SITE. ENGINEER TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

 3. THE MINIMAM DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF THE PINE SHALL BE 750mm WITH AM ABSOLUTE MINIMAM OF 600mm FOR SHOET INSTANCES.

- THI THE MUTONAL ROADS AUTHORITY SPECIFICATION IN THE THE THE WINTER ANN IS COATED AREST PART OF THE TREACH IS WITHIN IN OF THE OW IS TO BE COMPACTED AS PER CLAUSE 802 OF THE SECONAL WORKS.

 NO FOR ROAD WORKS.

 NO FOR ROAD WORKS.

 THE MATERIAL SHOULD BE EXCANATED OUT AND WASTE MANAGEMENT ACT AND CLAUSE 804 MATERIAL AGIS AUTHORITY SEPECIFICATION IN GEOLEXUILE WAAPPING. MARCHAGEMENTS INCLUMNS PHANE SECONAL WAS AUTHORITY SEPECIFICATION IN GEOLEXUILE WAAPPING. MARCHAGEMENTS INCLUMNS PHANE SECONAL WAS AUTHORITY SEPECIFICATION OF SOME SECONAL WAS AUTHORITY SEPECIFICATION OF SOME SECONAL WAS AUTHORITY SEPECIFICATION OF SOME SECONAL WAS AUTHORITY SEPECIFICATION FOR ROAD WORKS. THE GRANULAR BOCKSES WAS AUTHORITY AUTHORITY SEPCIFICATION FOR ROAD WORKS. THE GRANULAR MACHEL TO A DEPTH OF 150MR BELOW! THE ACTUMENT OF THE ACT
- WARRING MESH

 WARRING THE TO BE 400mm WIDE BILLE POLYETHYLENE MATERIAL IN ACCORDANCE WITH EN 1788, PLASTIC PIPES SHALL HAVE WARRING TAKEN HOOGAED BAND BRACING WIRE, SERVICE PIPES SHALL HAVE EXOME MESH TAKEN HORSEN BAND BRACING WIRE, SERVICE PIPES SHALL HAVE ZOMM MUSE HESH TAKEN THE TO BE LAD AT TOP OF PIPE BEDDING LAVER.

 17. TRENCH HOTHER, SERVICE PIPES SAND HINKS COMPANION WITH LISE HOW ACCESS REQUIREMENTS.

 18. WATERWAND PIPES SHALL BE SUBJECT TO INSER WATER REQUIREMENTS.

 19. DUCTILE ROW PIPES AND FITHINGS COMPANION WITH LISE HIS 12201; 2011.

 19. DUCTILE ROW PIPES AND FITHINGS COMPANION WITH LISE HIS 2021; 2011.

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 19. DUCTILE ROW PIPE TYPE STOOMEN WITH LISE 134 HEAVY CHAUGE

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 19. DUCTILE ROW PIPE TYPE STOOMEN WITH LISE 135 FITTINGS & SPECIALS SHALL BE

- STOPCOKS
 STOPCOKS COMPLYING WITH B.S. 1010 S
 STOPCOCKS SHALL BE LOCATED IN FOOTPATH
 DEPTH OF THE STOPCOCK SPINDLE SHALL NO SHALL BE PROVIDED ON EACH SERVICE PIPE. TH FRONTING THE PROPERTY BEING SERVED. THE DT EXCEED 200mm.
- SUIDE WAVE CHANGERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO U.S. 251 AND B.S. 3834. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO THE APPROVAL OF RISH WATER.

 17. SLUDE WAYES SHALL BE DOUBLE FLAWGED WITH DUCTLE ROAD RESILIENT SEAL GATE VALVES, SUITABLE FOR USE IN WATER MAINS, THEY SHALL COMPLY WITH THE REQUIREMENTS OF I.S. EN 1074 AND THEY SHALL LAVE THE APPROPARTE CE MARKING.

 18. ALL SLUDICE WAVES SHALL BE CANTRUCTED OF REPECAST CONCRETE UNITS OR HIGH DENSITY BLOCK WORK, ALTERNATIVELY, PROPRIETIARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBJECT TO APPROVANT FORM HIGH DENSITY BLOCK WORK, ALTERNATIVELY, PROPRIETIARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBJECT TO APPROVANT FORM HIGH MYTER.
- 20. CONCRETE OUR SENDS, TAPES, DADA DIOS DAD PERS AT STEEP SLOPES, AT ALTERS SENDS, TAPES DADA DIOS DAD PERS TANDARD BRAWING STD-W-13.

 21. TOORS TO APPROVIAL FROM INSENSITY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBLECT TO APPROVIAL FROM INSENSITY PREFABRICATED CHAMBER UNITS MAY ALSO BE OCHORADO TO APPROVIAL BE SUPROUNDED BY A MINIMUM OF 150mm OF 150mm OLD ADDA TO ADDA TO
- HYDRANII CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO I.S.

 261 AND B.S. 5824, COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS

 AND IS SIBLECT TO THE APPROVAL OF RISH WATER.

 271 HYDRANII SHALL BE DOUBLE FLAMBED DRILLED TO PIN 16. THEY SHALL COMPLY WITH BS 750:

 271 THE HYDRANII SHALL HE COURDPORATE A SOREW DOWN OAT THE WALVE. UNDERGROUND GUIDE

 170 HEAD' TYPE WITH SCREW DOWN CONNECTION OUTLET AND FALSE SPINDLE CAP AND FRON

 29 HYDRANII SHALL BE CLOCKWIBE CLOSING.

 28. ALL HYDRANII'S SHALL BE CLOCKWIBE CLOSING.

 29. HUTDRANI CHAMBERT TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY

 BLOCK WORK, ALTERNATIVELY, PROPRETIARY PREFABRICATED CHAMBER UNITS MAY ALSO BE

 USED, SUBJECT TO APPROVAL FROM IRSH WATER.
- DEDOK WAMS, ALERWINIEL FROMEIN MET PREPARENTED COMMERCE UNIT SIM AND ADDRESS SHALL FOR PROPAGATE CAUSE.

 CENCRETE CHAMBERS SHALL BE SURFOUNDED BY A MINIMUM OF 150MM COMPACTED CAUSE.

 SHAMTERIA, AS PER STEM-KI. ST.

 1, ZOMM ALL AROUND, 100MM CREP CONCRETE PLINTH WITH PROTECTIVE STANLESS STEE
 METAL BAND AROUND COVERS IN GREEN AREAS.

 2. THRUST BLOCKS (NOT SHOWN ON DEANWING) TO BE PROVIDED AS PER STANDARD DRAWN
 STD-W-281 ALL TIEES, BENDS, THERS, BENDS INDOS AND PRES AT STEEP SLOPES.

 3. ANTI-CORROSIONI TAPE TO BE PROVIDED AROUND BURBED FLANGES.

 3. ANTI-CORROSIONI TAPE TO BE PROVIDED AROUND BURBED FLANGES.

 3. ALL CONCRETE TO BE IN ACCORDANCE WITH LISS, LEY 20S.

 35. REFER TO IRISH WAITER STD-W-16 TO 18 FOR CONSTRUCTION DETAILS.
- ONSTRUCTION DETAILS.
- THRUST AND SUPPORT BLOCKS
 41. REFER TO IRISH WATER STD-W-28 FOR CONSTRUCTION DETAILS.

OTHER
OTHER
TO IRISH WATER STD-W-29 TO 37 FG
42. REFER TO IRISH WATER STD-W-29 TO 37 FG
WALL ARRANGEMENT, DUCT/STREAM/BRIDGE
REPAIRS, TELEMETRY AND KIOSK AND LAMP

NOTES

- FROM THIS DRAWING.

 ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE ENCENED BY THE CONTRACTOR ON SITE ENGINEEMEMBLY TO BE CHECKED BY THE ENGINEEMEMBLOVERS REPRESENTATIVE. AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES

 THE CONTRACTOR SHALL INDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICESUITLITIES. ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES

 ALL LEVELS SHOWN RELATE TO ORDINANCE SURVEY DATUM AT MALIN HEAD

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ARLUM LTD.

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Parinds U. Trobin & Co. Ltd.	Drawing Status: Planning	Project Director: Michael McDonnell	JK BR June 2018	Prepared by: Checked: Date:	Scale @ A1: As Shown	

