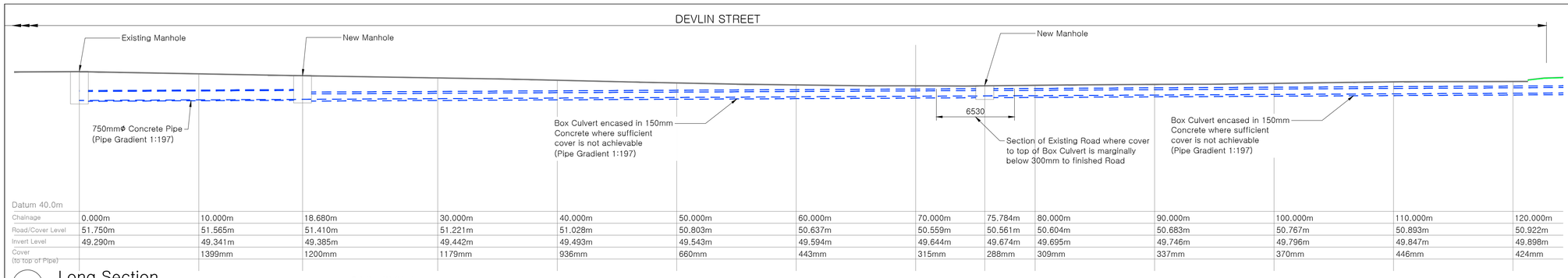
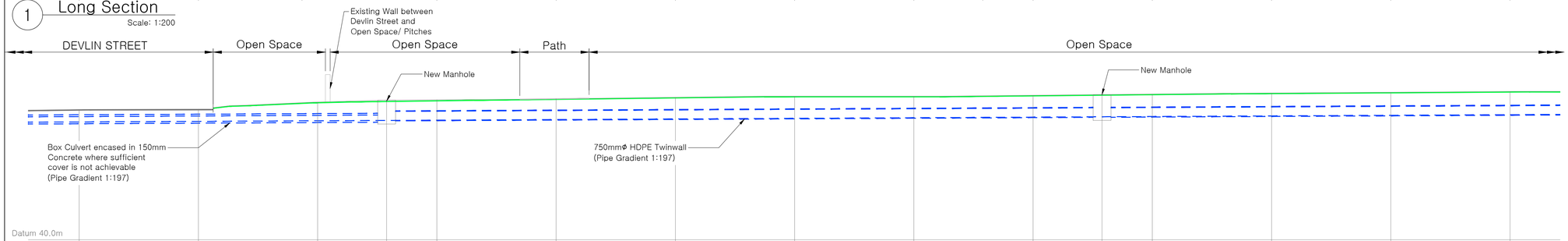


Datum 40.0m

Chainage	0.000m	10.000m	18.680m	30.000m	40.000m	50.000m	60.000m	70.000m	75.784m	80.000m	90.000m	100.000m	110.000m	120.000m
Road/Cover Level	51.750m	51.565m	51.410m	51.221m	51.028m	50.803m	50.637m	50.559m	50.561m	50.604m	50.683m	50.767m	50.893m	50.922m
Invert Level	49.290m	49.341m	49.385m	49.442m	49.493m	49.543m	49.594m	49.644m	49.674m	49.695m	49.746m	49.796m	49.847m	49.898m
Cover (to top of Pipe)		1399mm	1200mm	1179mm	936mm	660mm	443mm	315mm	288mm	309mm	337mm	370mm	446mm	424mm

1 Long Section

Scale: 1:200

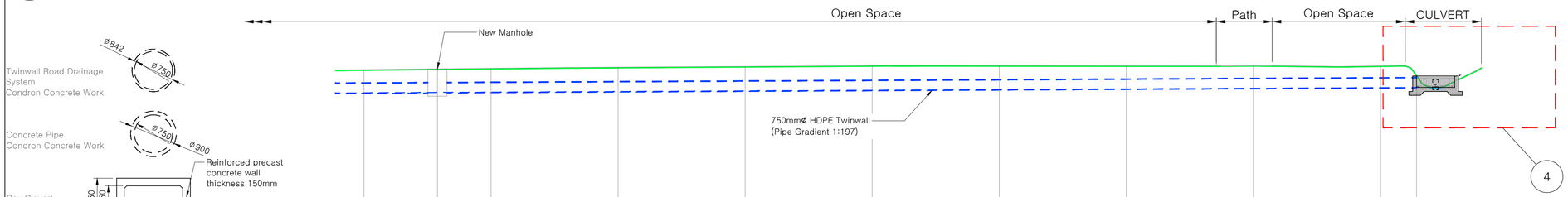


Datum 40.0m

Chainage	110.000m	120.000m	130.000m	135.784m	140.000m	150.000m	160.000m	170.000m	180.000m	190.000m	195.784m	200.000m	210.000m	220.000m	230.000m
Road/Cover Level	50.893m	50.922m	51.508m	51.674m	51.703m	51.788m	51.909m	52.000m	52.000m	52.080m	52.139m	52.182m	52.271m	52.334m	52.397m
Invert Level	49.847m	49.898m	49.948m	49.978m	49.999m	50.050m	50.100m	50.151m	50.201m	50.252m	50.281m	50.303m	50.353m	50.404m	50.455m
Cover (to top of Pipe)	446mm	424mm	960mm	900mm	908mm	942mm	1013mm	1053mm	1003mm	1032mm	1062mm	1084mm	1122mm	1134mm	1146mm

2 Long Section

Scale: 1:200

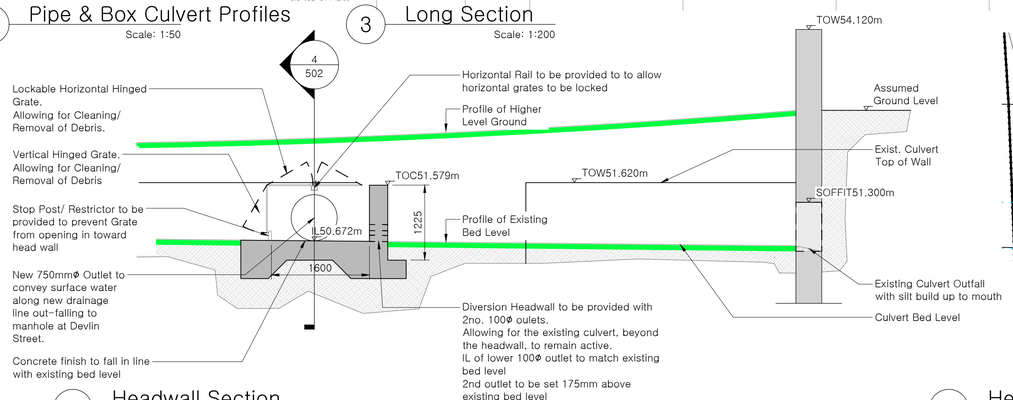


Datum 40.0m

Chainage	190.000m	195.784m	200.000m	210.000m	220.000m	230.000m	240.000m	250.000m	260.000m	269.773m	272.839m
Road/Cover Level	52.080m	52.139m	52.182m	52.271m	52.334m	52.397m	52.398m	52.387m	52.402m	52.378m	51.579m
Invert Level	50.252m	50.281m	50.303m	50.353m	50.404m	50.455m	50.505m	50.556m	50.607m	50.657m	50.672m
Cover (to top of Pipe)	1032mm	1062mm	1084mm	1122mm	1134mm	1146mm	1097mm	1035mm	1000mm	925mm	112mm

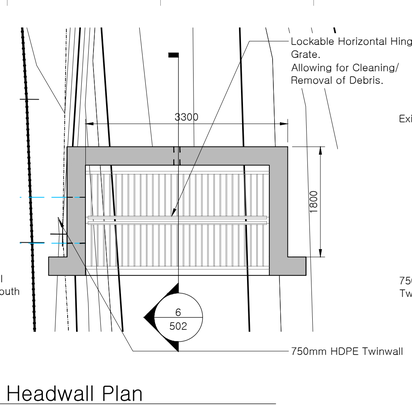
7 Pipe & Box Culvert Profiles

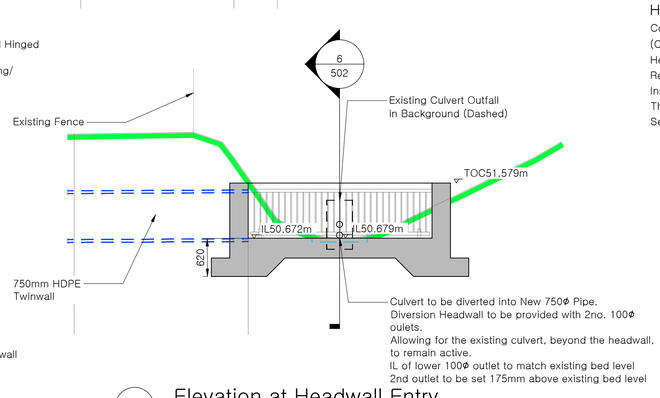
Scale: 1:50



3 Long Section

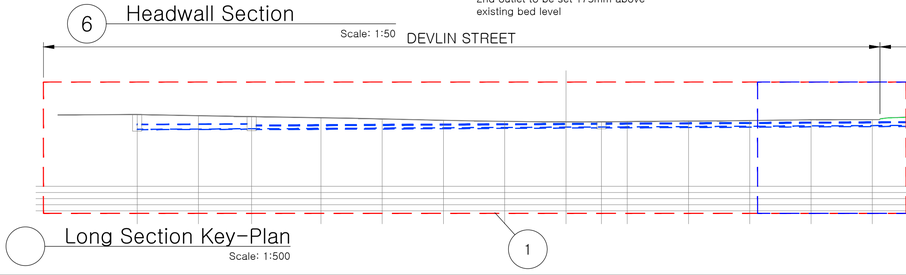
Scale: 1:200





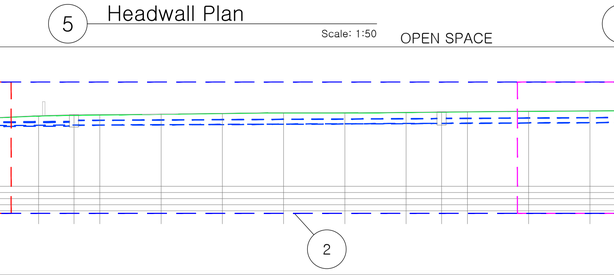
6 Headwall Section

Scale: 1:50



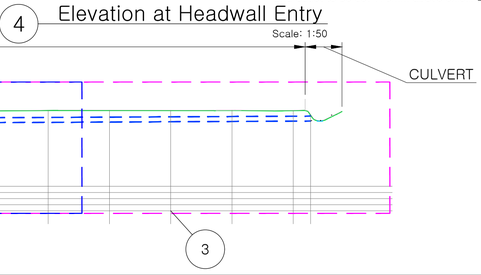
5 Headwall Plan

Scale: 1:50



4 Elevation at Headwall Entry

Scale: 1:50



Long Section Key-Plan

Scale: 1:500

General Notes

All drawings are to be read in conjunction with all relevant specifications, bills of quantities, architectural Services and engineering drawings.

Any discrepancies between these documents shall be brought to the attention of the engineer and architect,

All dimensions are in millimetres, unless noted otherwise.

Figured dimensions take precedent over scaled dimensions.

The contractor is responsible for all temporary works.

The contractor must prepare a method statement and submit it to the engineer/architect prior to the undertaking of any structural or civil engineering work.

Drainage Notes

Drawings are to be read in conjunction with relevant longitudinal drainage sections and manhole schedules.

All pipe diameters are nominal.

Existing survey information based on survey carried out by Geodata in october 2020. Refer to Geodata drawings 20609-100-01 & 20609-10-01 for details.

Location of existing services are indicative only and have been taken from record drawings and interpolated from topographical survey. It is the responsibility of the contractor to verify the locations of the various services shown on these drawings.

The contractor must contact the relevant authorities prior to construction work, and satisfy himself in respect to the location of all existing services.

Contractor to co-ordinate construction of sewers with all other ground services and utilities.

Contractor shall be responsible for setting out junction boxes, chambers, manholes & gullies to ensure no clashes with service ducts and pipes.

Contractor to provide IL, pipe diameter and direction of flow in existing manhole on commencement of the works to design engineer.

600mm max. length rocker pipes are to be provided on sewers where:
(a). a pipe enters / leaves a manhole
(b). a pipe enters / leaves concrete encasement.
(c). any other location as directed by the engineer.

All sewer rocker pipes are to be formed by cutting and trimming a length of spigot & socket pipe to form a spigot at the cut end, thereby forming spigot & socket joints at both ends of the rocker pipe

All rocker pipes shall be no more than 150mm from their associated manhole, concrete encased section or valve chamber.

Where pipes cross existing roads, the contractor is required to:
(a). contact the relevant authorities prior to commencing work.
(b). make good the existing road to its original specification as approved by the engineer.

All existing main runs to be jetted to remove blockage/debris.

CCTV survey to be carried out on all new drainage runs, and as built drawings to be provided to the engineer by contractor on completion of the works.

Minimum cover to pipes
1200mm roadways
900mm open spaces & footpaths not adjacent to roads
600mm gardens

Type A or Type S bedding to be used where minimum cover or greater is provided to flexible pipes.

For pipes in roadways where cover is less than 1200mm Pipe are to be encased in 150mm Concrete surround

All manholes to be constructed with precast concrete rings in accordance with relevant engineers details drawing unless shown otherwise.

Proprietary connections to be used throughout

All joints to be watertight to CL 504 sub clause 3 of the NRA specification for roadworks.

Manholes in macadam/grassed areas to be non rock D400 lockable manholes

Health & Safety Notes

Contractor To Comply With Safety, Health And Welfare At Work (Construction) Regulations, 2013 (S.I. No. 291 of 2013)

Health & Safety Procedures To Be Followed At All Times, Especially With Regard To Any Works In Or Around Existing Live Sewers, Drains Or Inspection Chambers.

The Contractor To Be Responsible For Checking The Location Of All Existing Services

Issue	Description	Date	Drn	Chkd
B	Issued for planning	08.04.22	EK	MW
A	Issued for pre-planning	22.03.21	EK	MW

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The Mall, Monaborough Woods, Douglas Co. Cork.
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Title:	Surface Water Outfall - North Long Section
Client:	Cumnor Construction Ltd.
Project:	Proposed Residential Development Coolcarron, Fermoy, Co. Cork
Dra. No:	19074-P-304
Date:	Nov 2020
Drawn by:	EK
Scale:	as indicated
Status:	Planning

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