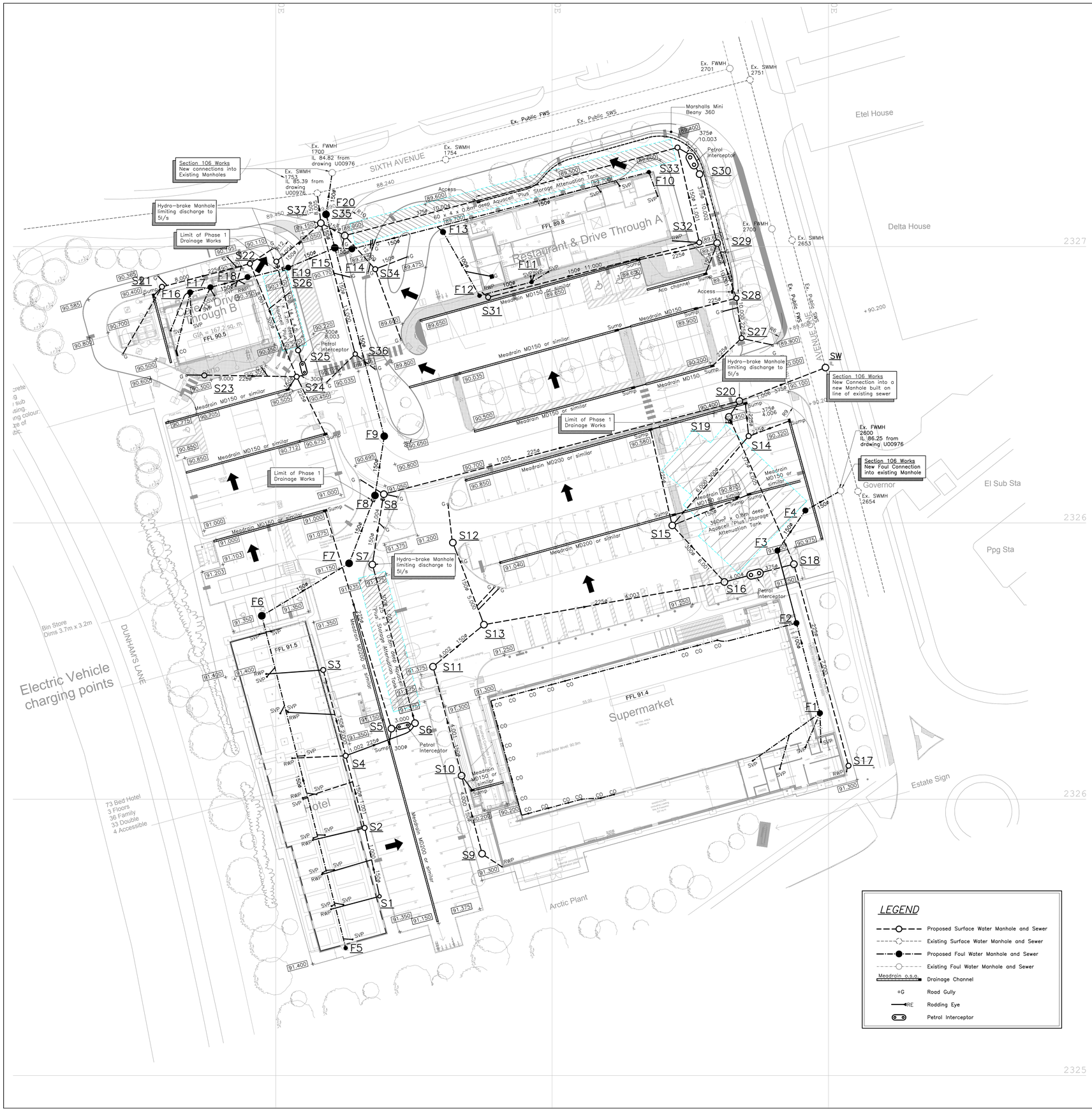

Project Title:	Letchworth Gateway						
Project No.:	2016-238						
Surface Water							
M.H. No.	Cover level	Invert level	Size	Type	Largest pipe	Cover type	Notes
S1	91.350	90.150	475	P.P.I.C	150	C250	
S2	91.350	90.065	600	Tegra IC	150	C250	
S3	91.350	90.150	475	P.P.I.C	150	C250	
S4	91.350	89.900	1200	C.R.	225	C250	
S5	91.220	89.720	1200	C.R.C.P.	300	D400	
S6	91.061	89.200	1200	C.R.C.P.	300	D400	
S7	91.000	89.100	1200	C.R.C.P.	150	D400	Hydrobrake Manhole limiting discharge 5l/s
S8	91.050	88.938	1200	C.R.	225	D400	
S9	91.300	90.300	1200	C.R.	225	C250	
S10	91.300	89.325	1200	C.R.	225	C250	
S11	91.375	89.202	1200	C.R.	225	D400	
S12	91.000	89.650	1200	C.R.	150	D400	
S13	91.175	89.131	1200	C.R.	225	D400	
S14	90.400	88.900	1200	C.R.	300	D400	
S15	90.600	88.794	1200	C.R.	300	D400	
S16	91.000	88.650	1350	C.R.C.P.	375	D400	
S17	91.300	90.300	1200	C.R.	225	C250	
S18	91.000	88.581	1350	C.R.C.P.	375	D400	
S19	90.400	88.484	1350	C.R.C.P.	375	D400	
S20	90.300	88.390	1350	C.R.	225	D400	Hydrobrake Manhole limiting discharge 5l/s
S21	90.400	89.100	1200	C.R.	225	D400	
S22	90.200	88.926	1200	C.R.	300	D400	
S23	90.300	88.900	1200	C.R.	225	C250	
S24	90.450	88.725	1200	C.R.C.P.	300	C250	
S25	90.300	87.350	1200	C.R.C.P.	300	D400	
S26	90.200	87.294	1200	C.R.C.P.	150	D400	Hydrobrake Manhole limiting discharge 5l/s
S27	89.900	88.600	1200	C.R.	225	C250	
S28	89.900	88.484	1200	C.R.	300	C250	
S29	89.650	88.372	1350	C.R.	375	D400	
S30	89.500	88.329	1350	C.R.C.P.	375	D400	
S31	89.650	88.350	600	Tegra IC	150	C250	
S32	89.650	88.087	1200	C.R.	150	D400	
S33	89.400	87.200	1350	C.R.C.P.	375	D400	
S34	89.400	88.100	1200	C.R.	150	D400	
S35	89.000	86.993	1350	C.R.C.P.	150	D400	
S36	90.040	88.700	1200	C.R.	150	D400	
S37	89.000	86.960	1200	C.R.	150	D400	Hydrobrake Manhole limiting discharge 5l/s

NOTES	
C.R.	Concrete ring manhole see std. detail D1 or D15.
CRCP	- Concrete Ring Catchpit see std detail D14
P.P.I.C	Polypropylene Inspection Chamber see std.detail D13
X	600 sq. Medium duty recessed, air-tight, screw-down cover and frame eg Broadstel
D400	600sq. Heavy duty, ductile iron, cover and frame to BS EN 124:D400
C	proprietary light duty cover and frame

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NOTES:

1. Grate covers to all channel drains to be Class D400 D.I.
2. All Manhole/Catchpit covers and frames to be 675 x 675 clear opening, Class D400 D.I.
3. All pipes to be 100ømm unless otherwise stated.
4. All interceptors to be by-pass Class 1 as follows:
   - McDonalds Conder Ref: CNSB10s/21
   - Aldi Conder Ref: CNSB10s/21
   - Travelodge Conder Ref: CNSB4.5s/21
   - Costa Coffee Conder Ref: CNSB4.5s/21
5. Attenuation Storage Construction: If an an alternative to 'Aquacell Plus' cellular units is considered the units must be capable of supporting 44T HGV loading and at least 1m of fill/road construction.
6. Construction of Manholes, Catchpits and pipe laying shall generally comply with the typical Construction details in 'Sewers for Adoption 7th Edition' as the benchmark standard or tenant-specific requirement, whichever is the more onerous.
7. For tenant-specific requirements, refer to the Performance Specification No. 2016-238-SP-0100.
8. All hydro-brakes to limit discharge to a maximum of 5l/s.

Note:

McDonalds RWP & SVP locations to be confirmed

Aldi RWP locations are indicative

LEGEND

- Proposed Surface Water Manhole and Sewer
- Existing Surface Water Manhole and Sewer
- Proposed Foul Water Manhole and Sewer
- Existing Foul Water Manhole and Sewer
- Meadrain o.s.g. — Drainage Channel
- ▫G — Road Gully
- RE — Rodding Eye
- Petrol Interceptor

NOLAN ASSOCIATES

PRELIMINARY DRAWING

NOT TO BE USED FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHKD	DATE
P2	Surface water updated and manhole schedule added	CH	JJG	15.02.18
T2	Pipe sizes amended as noted	S.J.	J.K.	24.05.17
T1	Tender Issue	S.J.	J.K.	05.05.17
P1	Preliminary	S.J.	J.K.	03.05.17

Letchworth Gateway

Drainage Layout

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Drawn by	Date	Plot Date	Scale
S.J.	30.03.17	15.02.18	1:250@A0
Checked by	Project No		Dwg No
	2016-238		101 P2