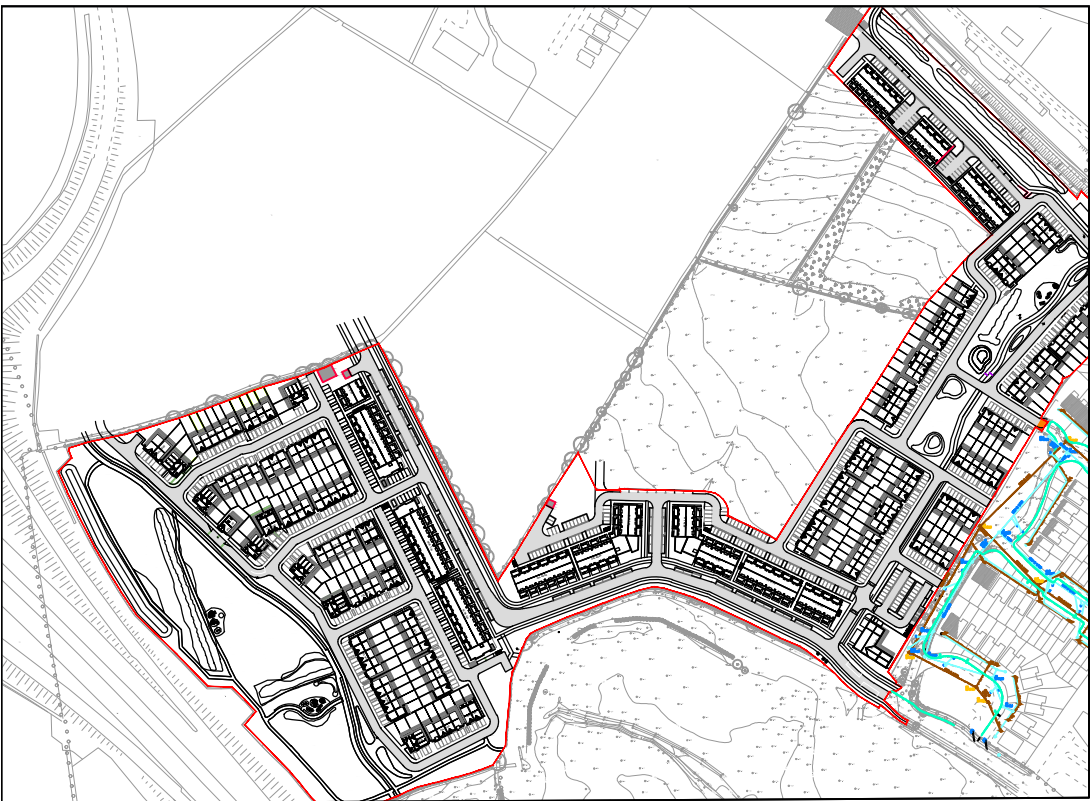
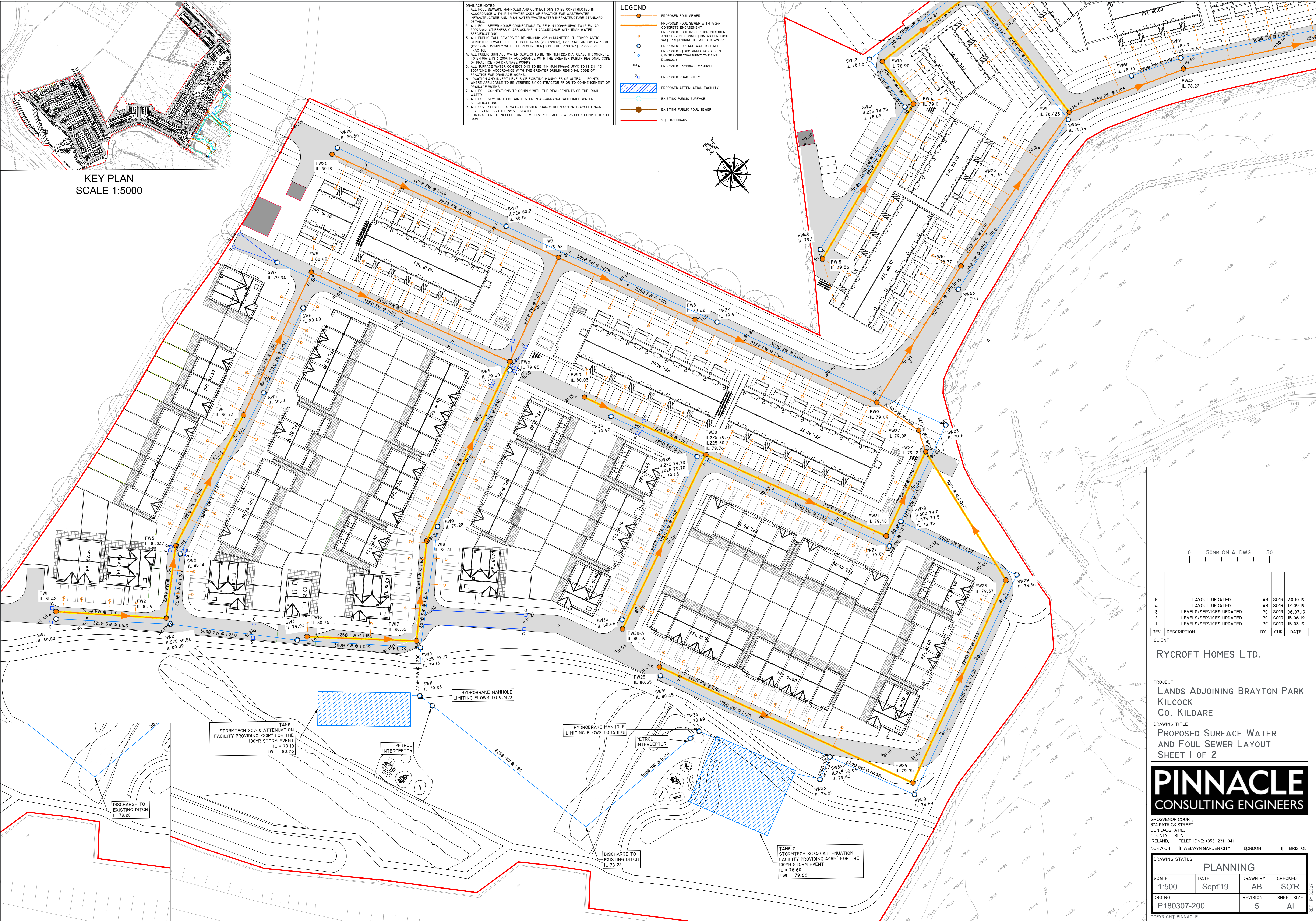
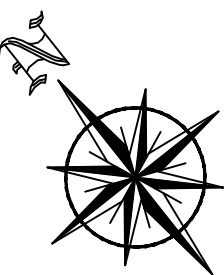




KEY PLAN
SCALE 1:5000

1. ALL FOUL SEWERS, MANHOLES AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
2. ALL FOUL SEWER HOUSE CONNECTIONS TO BE MIN 100mm UPVC TO IS EN 1401 2009/2002. STIFFNESS CLASS BKN/M2 IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
3. ALL PUBLIC FOUL SEWERS TO BE MINIMUM 225mm DIAMETER THERMOPLASTIC STRUCTURED WALL PIPES TO IS EN 1346 (2007/2009). TYPE SW4 AND SW5 4-55-90 (2008) AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE.
4. ALL PUBLIC SURFACE WATER SEWERS TO BE MINIMUM 225 DIA. CLASS H CONCRETE TO EN196 & IS 6 2004. IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
5. ALL SURFACE WATER CONNECTIONS TO BE MINIMUM 150mm UPVC TO IS EN 1401 2009/2002 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
6. LOCATION AND INVERT LEVELS OF EXISTING MANHOLES OR OUTFALL POINTS, WHERE APPLICABLE TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF DRAINAGE WORKS.
7. ALL FOUL CONNECTIONS TO COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER.
8. ALL FOUL SEWERS TO BE AIR TESTED IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
9. ALL COVER LEVELS TO MATCH FINISHED ROAD/VERGE/FOOTPATH/CYCLETRACK LEVELS UNLESS OTHERWISE STATED.
10. CONTRACTOR TO INCLUDE FOR CCTV SURVEY OF ALL SEWERS UPON COMPLETION OF SAME.

- LEGEND**
- PROPOSED FOUL SEWER
 - PROPOSED FOUL SEWER WITH 150mm CONCRETE ENCASMENT
 - PROPOSED FOUL INSPECTION CHAMBER AND SERVICE CONNECTION AS PER IRISH WATER STANDARD DETAIL STD-WW-03
 - PROPOSED SURFACE WATER SEWER
 - PROPOSED STORM ARMSTRONG JOINT (HOUSE CONNECTOR DIRECT TO MAIN DRAINAGE)
 - PROPOSED BACKDROP MANHOLE
 - PROPOSED ROAD GULLY
 - PROPOSED ATTENUATION FACILITY
 - EXISTING PUBLIC SURFACE
 - EXISTING PUBLIC FOUL SEWER
 - SITE BOUNDARY



0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
5	LAYOUT UPDATED	AB	SO'R	30.10.19
4	LAYOUT UPDATED	AB	SO'R	12.09.19
3	LEVELS/SERVICES UPDATED	PC	SO'R	06.07.19
2	LEVELS/SERVICES UPDATED	PC	SO'R	15.06.19
1	LEVELS/SERVICES UPDATED	PC	SO'R	15.03.19

CLIENT

RYCROFT HOMES LTD.

PROJECT
LANDS ADJOINING BRAYTON PARK
KILCOCK
CO. KILDARE

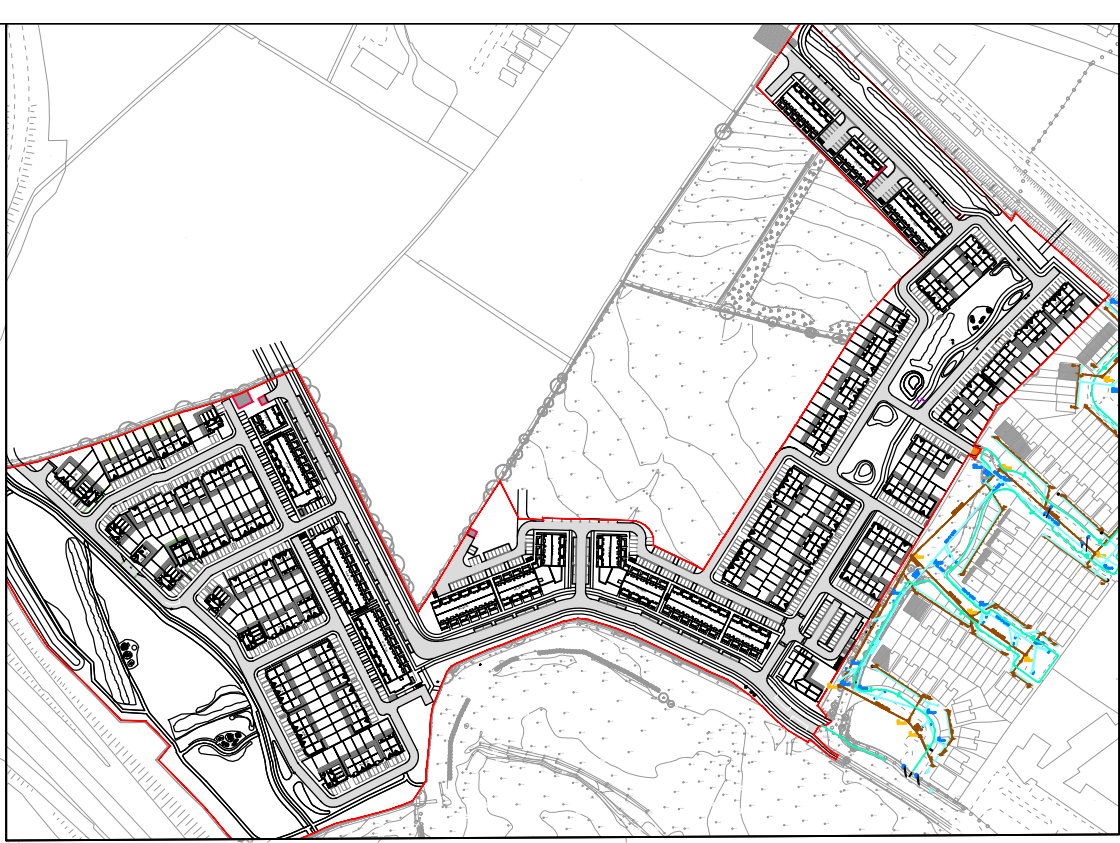
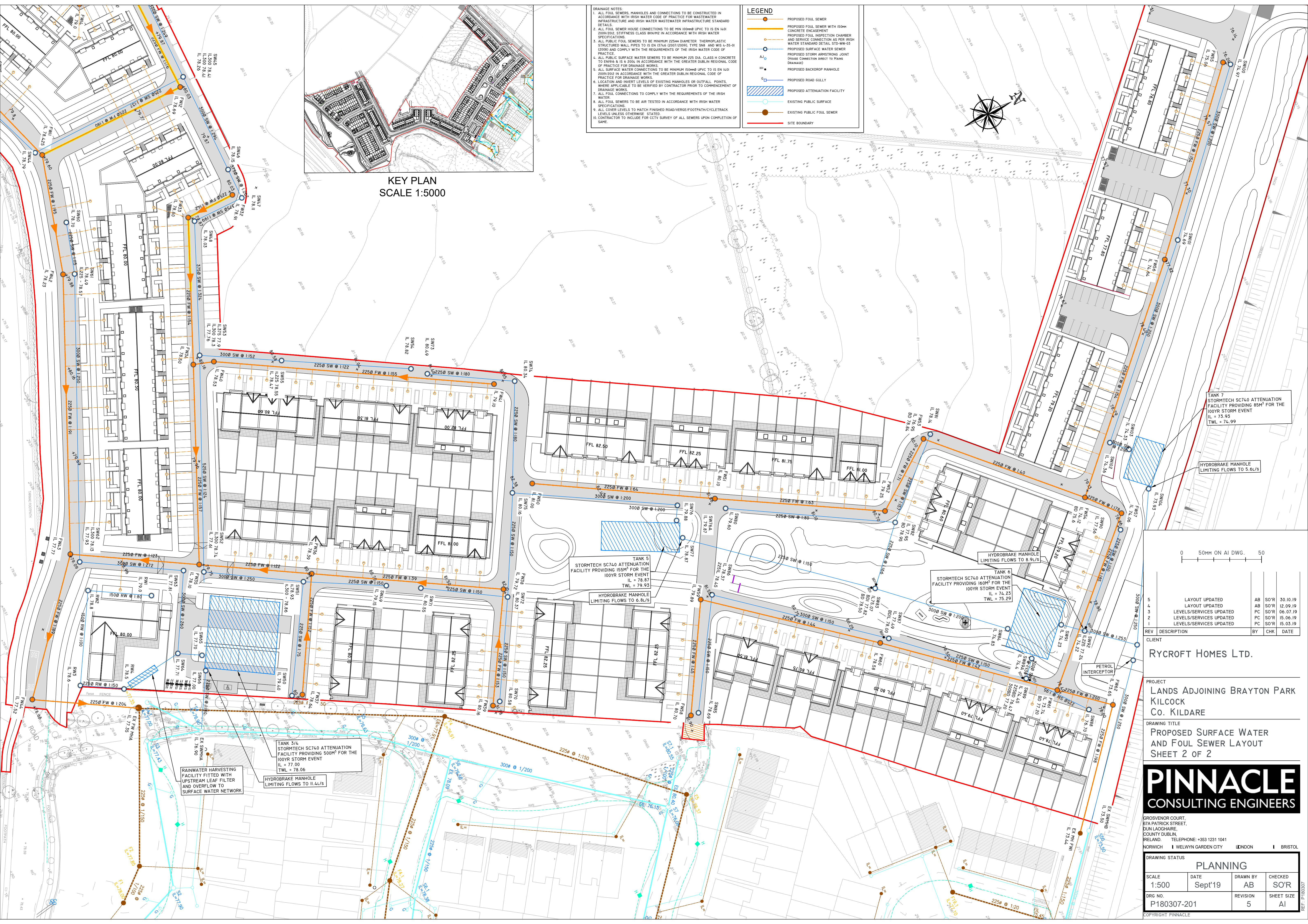
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PROPOSED SURFACE WATER
AND FOUL SEWER LAYOUT
SHEET 1 OF 2

PINNACLE
CONSULTING ENGINEERS

GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041
NORWICH I WELWYN GARDEN CITY LONDON I BRISTOL

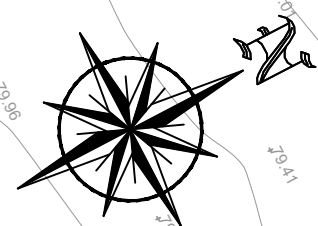
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PLANNING			
SCALE 1:500	DATE Sept'19	DRAWN BY AB	CHECKED SO'R
DRG NO. P180307-200	REVISION 5	SHEET SIZE A1	

COPYRIGHT PINNACLE



- DRAINAGE NOTES:**
1. ALL FOUL SEWERS, MANHOLES AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
 2. ALL FOUL SEWER HOUSE CONNECTIONS TO BE MIN 100mm UPVC TO IS EN 1401 2009/2002, STIFFNESS CLASS B1600 IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
 3. ALL PUBLIC FOUL SEWERS TO BE MINIMUM 225mm DIAMETER THERMOPLASTIC STRUCTURED WALL PIPES TO IS EN 13746 (2007/2009), TYPE SN8 AND WIS 4-35-01 (2000) AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE.
 4. ALL PUBLIC SURFACE WATER SEWERS TO BE MINIMUM 225 DIA. CLASS H CONCRETE TO EN 12450-1 & 2006 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
 5. ALL SURFACE WATER CONNECTIONS TO BE MINIMUM 150mm UPVC TO IS EN 1401 2009/2002 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
 6. LOCATION AND INVERT LEVELS OF EXISTING MANHOLES OR OUTFALL POINTS, WHERE APPLICABLE, TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF DRAINAGE WORKS.
 7. ALL FOUL CONNECTIONS TO COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER.
 8. ALL FOUL SEWERS TO BE AIR TESTED IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
 9. ALL COVER LEVELS TO MATCH FINISHED ROAD/VERGE/FOOTPATH/CYCLETRACK LEVELS UNLESS OTHERWISE STATED.
 10. CONTRACTOR TO INCLUDE FOR CCTV SURVEY OF ALL SEWERS UPON COMPLETION OF SAME.

- LEGEND**
- PROPOSED FOUL SEWER WITH 150mm CONCRETE ENCASMENT
 - PROPOSED FOUL INSPECTION CHAMBER AND SERVICE CONNECTION AS PER IRISH WATER STANDARD DETAIL STD-WW-03
 - PROPOSED SURFACE WATER SEWER
 - PROPOSED STORM ARMSTRONG JOINT (HOUSE CONNECTION DIRECT TO MAINS DRAINAGE)
 - PROPOSED BACKDROP MANHOLE
 - PROPOSED ROAD GULLY
 - PROPOSED ATTENUATION FACILITY
 - EXISTING PUBLIC SURFACE
 - EXISTING PUBLIC FOUL SEWER
 - SITE BOUNDARY



TANK 7
STORMTECH SC740 ATTENUATION
FACILITY PROVIDING 85m³ FOR THE
100YR STORM EVENT
IL = 73.93
TWL = 74.99

HYDROBRAKE MANHOLE
LIMITING FLOWS TO 5.6L/s

TANK 5
STORMTECH SC740 ATTENUATION
FACILITY PROVIDING 155m³ FOR THE
100YR STORM EVENT
IL = 78.87
TWL = 79.93

HYDROBRAKE MANHOLE
LIMITING FLOWS TO 6.8L/s

TANK 6
STORMTECH SC740 ATTENUATION
FACILITY PROVIDING 160m³ FOR THE
100YR STORM EVENT
IL = 74.23
TWL = 75.29

HYDROBRAKE MANHOLE
LIMITING FLOWS TO 6.9L/s

TANK 3/L
STORMTECH SC740 ATTENUATION
FACILITY PROVIDING 500m³ FOR THE
100YR STORM EVENT
IL = 77.00
TWL = 78.06

RAINWATER HARVESTING
FACILITY FITTED WITH
UPSTREAM LEAF FILTER
AND OVERFLOW TO
SURFACE WATER NETWORK

HYDROBRAKE MANHOLE
LIMITING FLOWS TO 11.4L/s

0 50mm ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
5	LAYOUT UPDATED	AB	SO'R	30.10.19
4	LAYOUT UPDATED	AB	SO'R	12.09.19
3	LEVELS/SERVICES UPDATED	PC	SO'R	06.07.19
2	LEVELS/SERVICES UPDATED	PC	SO'R	15.06.19
1	LEVELS/SERVICES UPDATED	PC	SO'R	15.03.19

RYCROFT HOMES LTD.

PROJECT
LANDS ADJOINING BRAYTON PARK
KILCOCK
CO. KILDARE

DRAWING TITLE
PROPOSED SURFACE WATER
AND FOUL SEWER LAYOUT
SHEET 2 OF 2

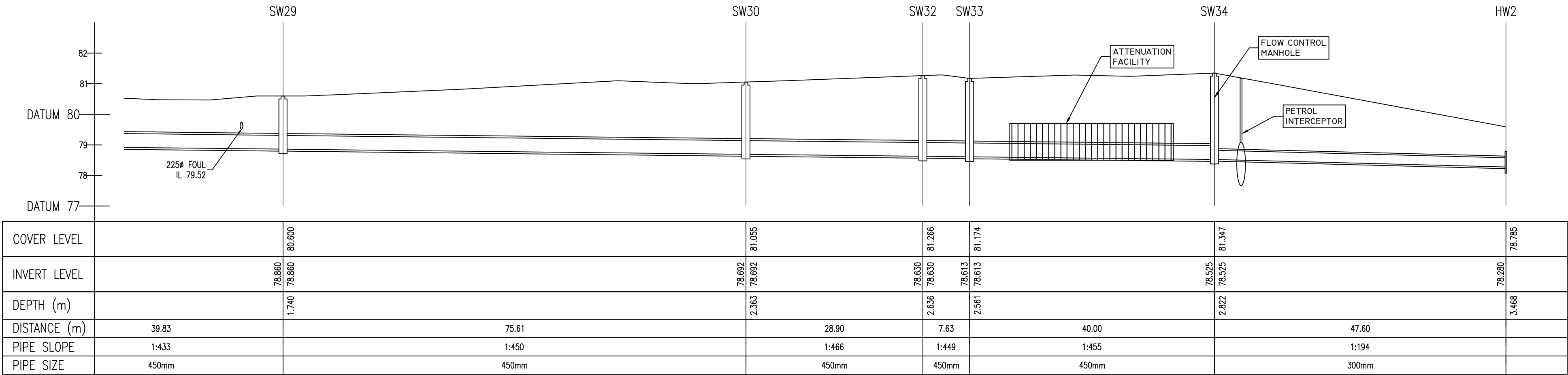
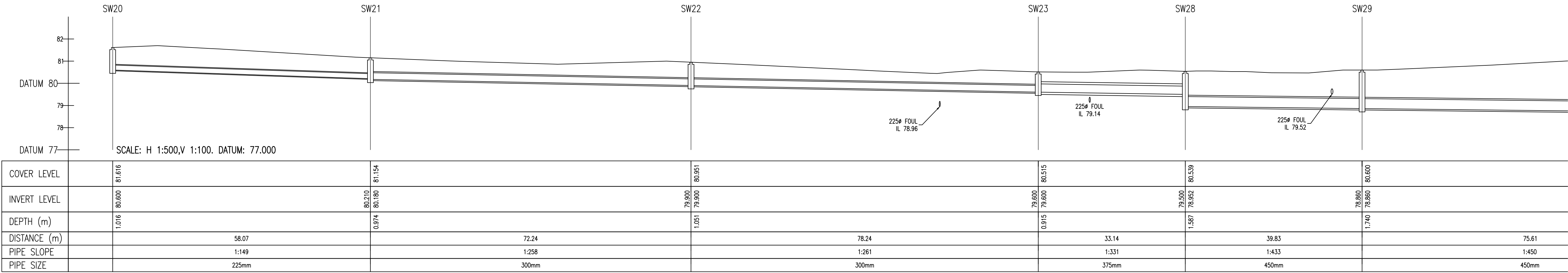
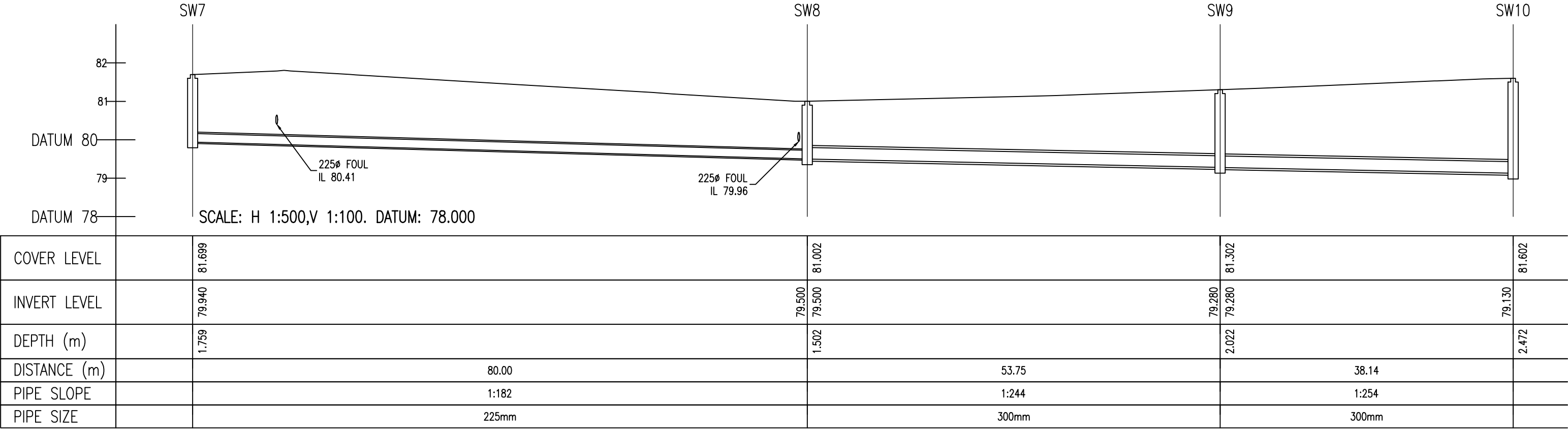
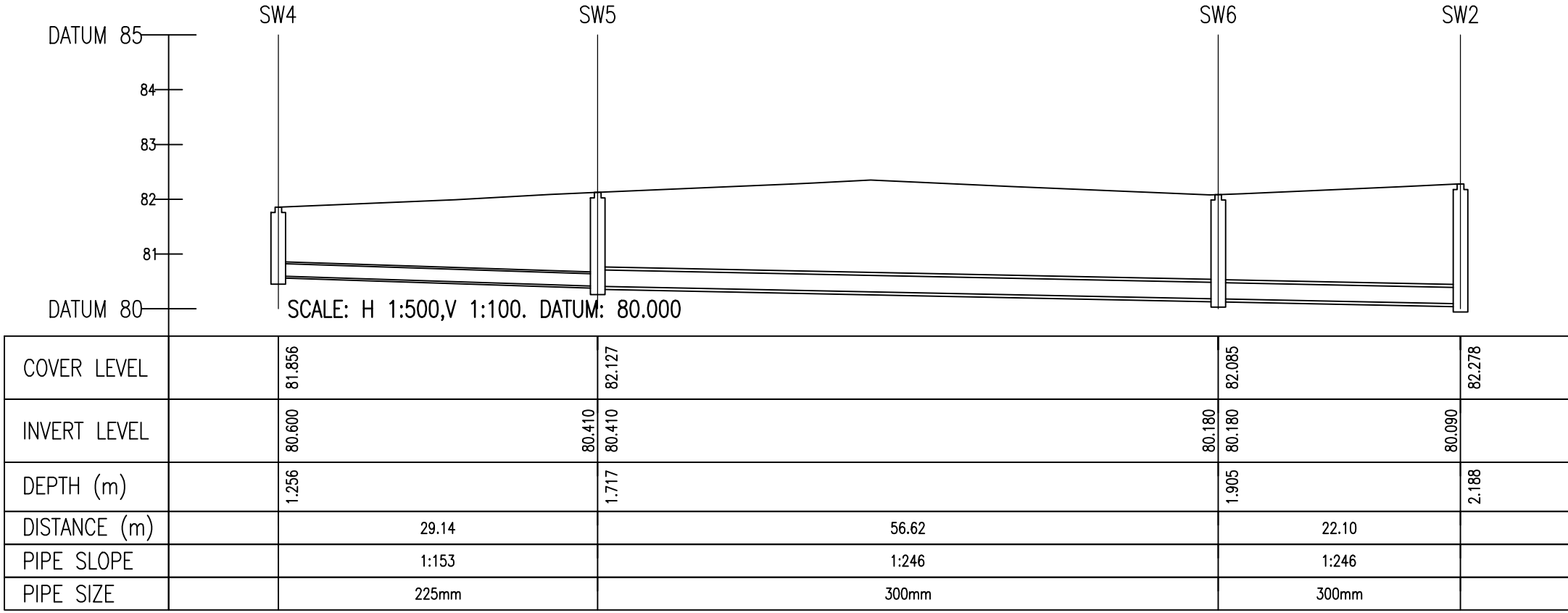
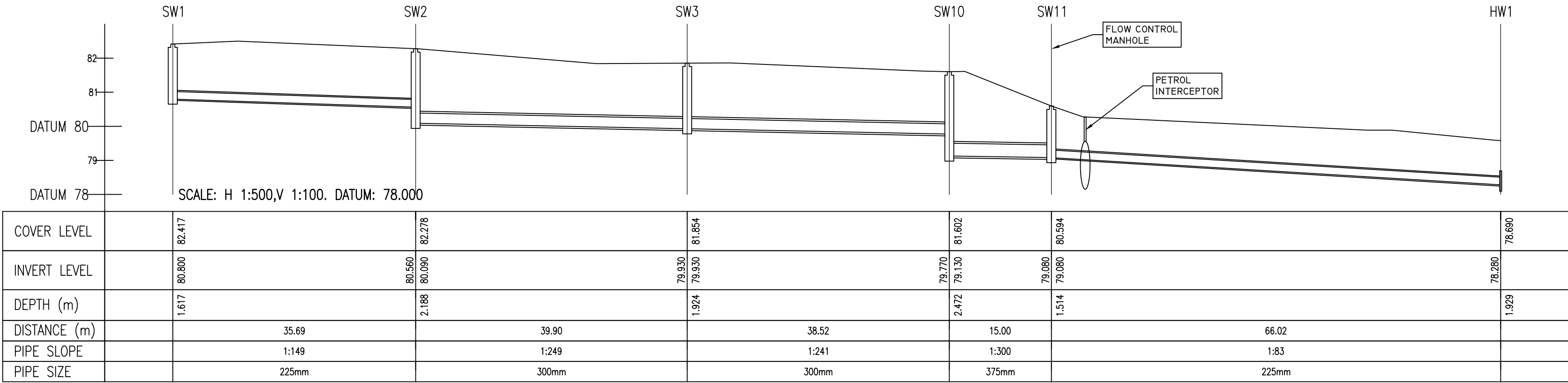
PINNACLE
CONSULTING ENGINEERS

6 ROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND
TELEPHONE: +353 1231 1041
NORWICH I WELWYN GARDEN CITY LONDON I BRISTOL

DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:500	Sept'19	AB	SO'R
DWG NO.	REVISION	SHEET SIZE	
P180307-201	5	A1	

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REF: P180307



I	LEVELS/SERVICES UPDATED	PC	SO'R	26.07.19
REV	DESCRIPTION	BY	CHK	DATE
CLIENT				

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PROJECT
LANDS ADJOINING BRAYTON PARK
KILCOCK
CO. KILDARE

DRAWING TITLE
PROPOSED SURFACE WATER SEWER
LONGITUDINAL SECTIONS
SHEET I

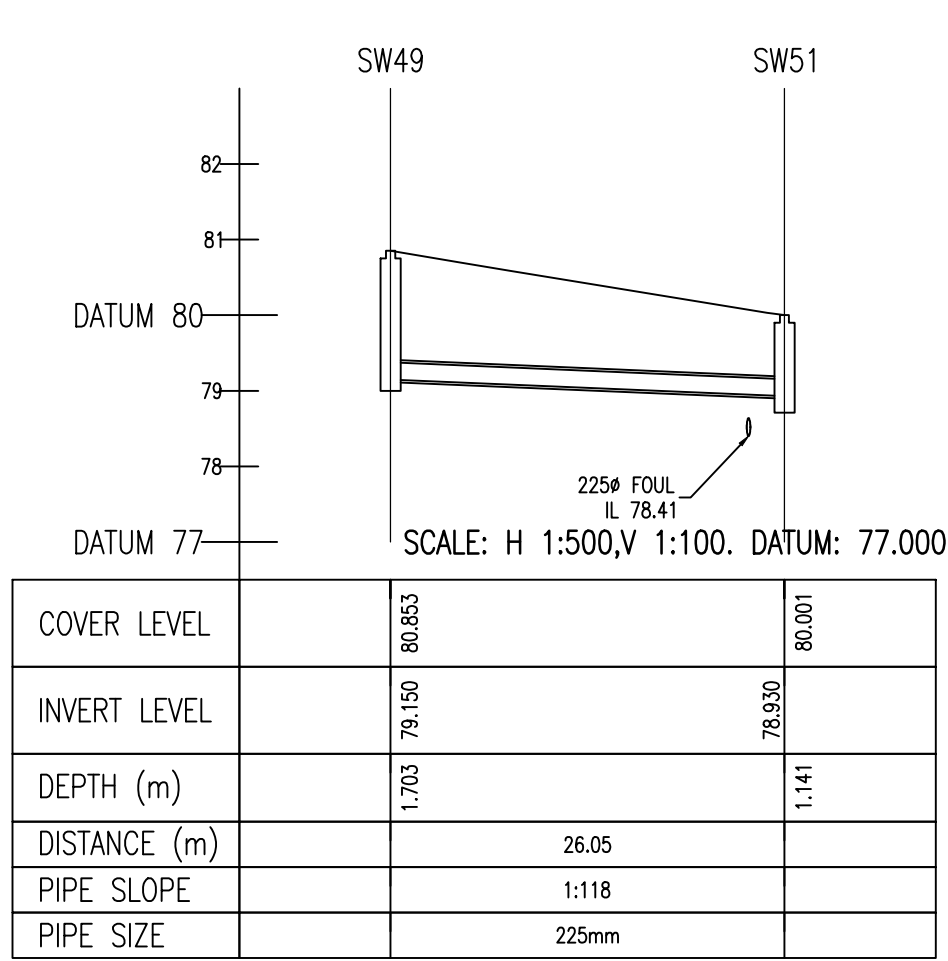
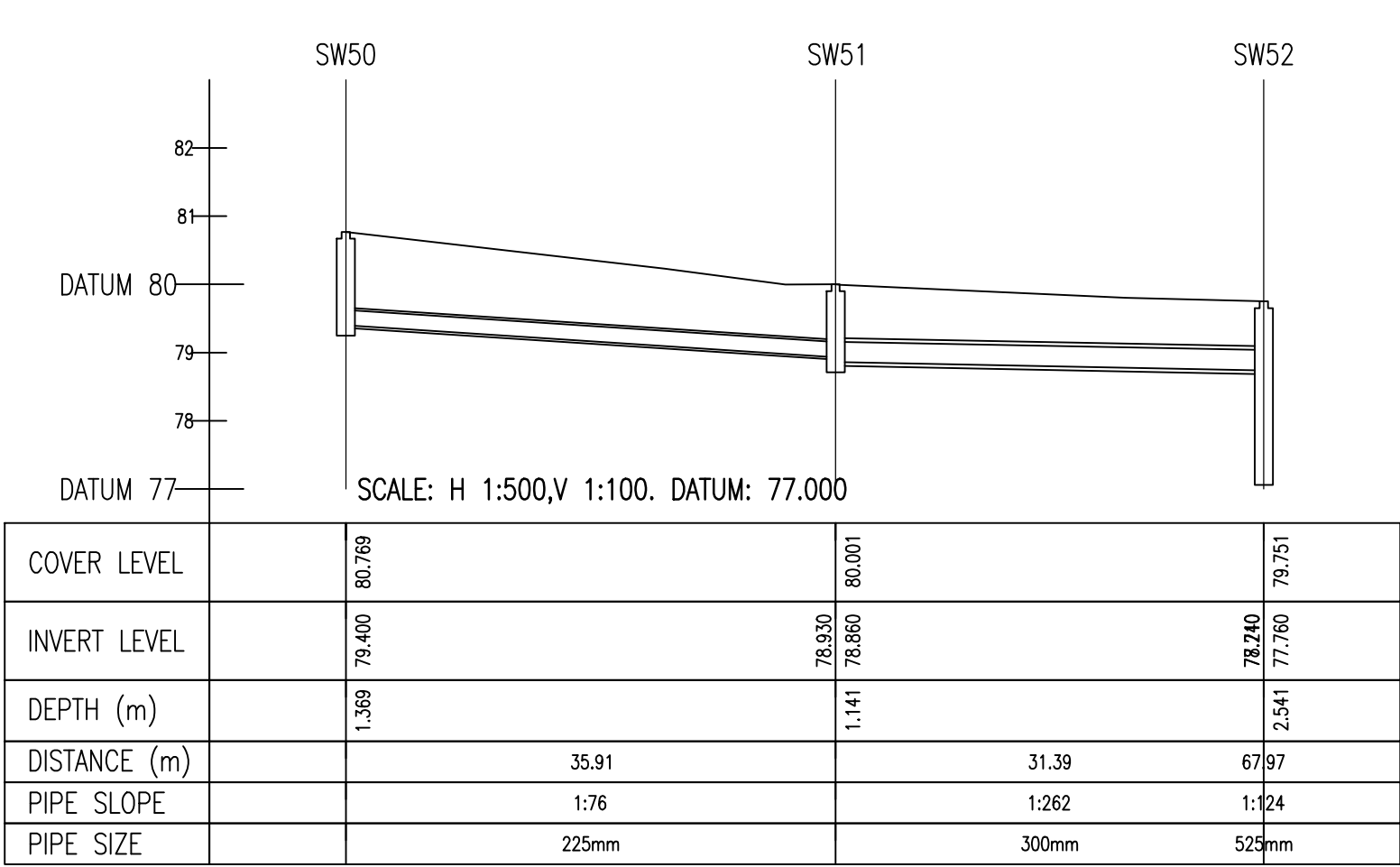
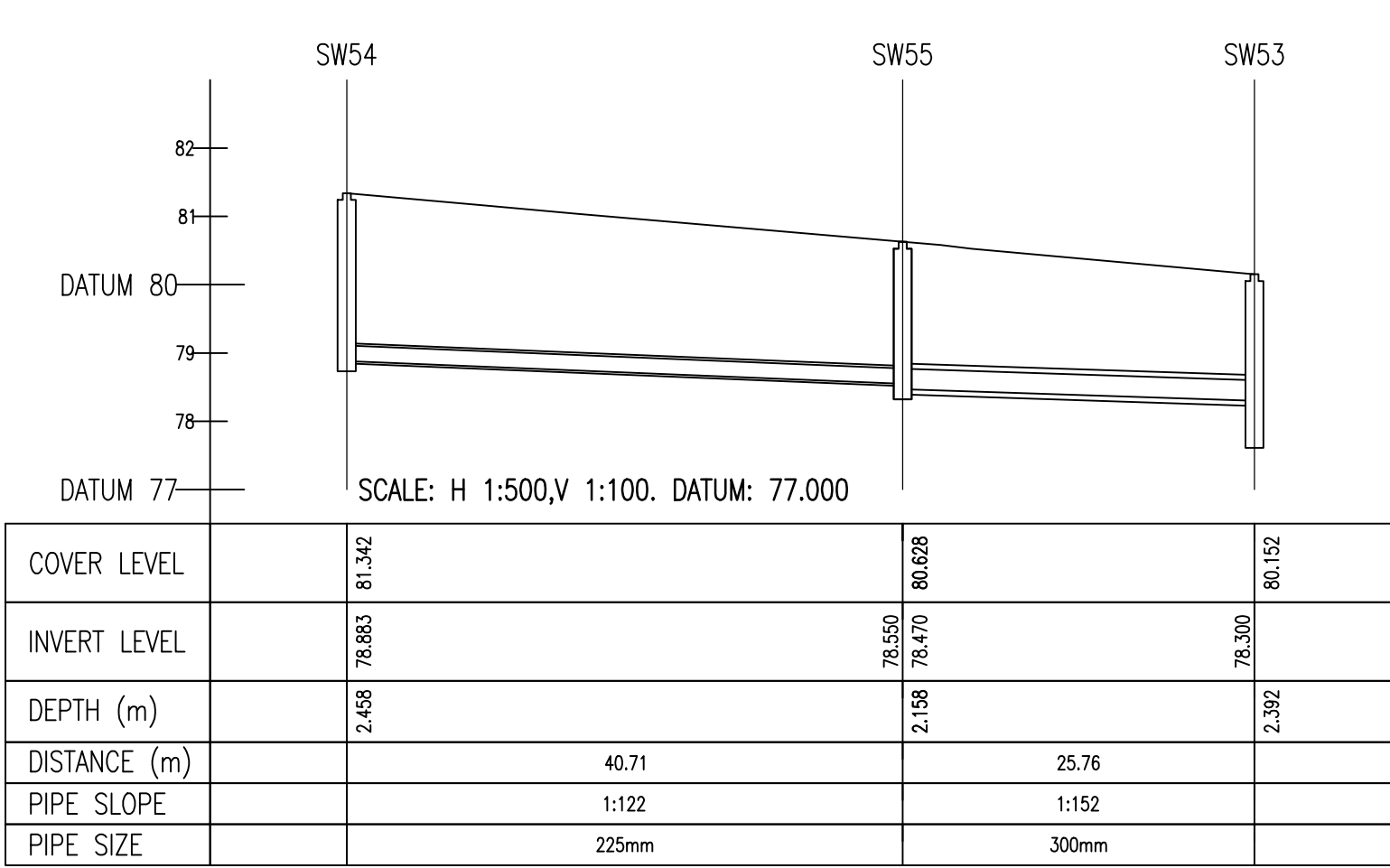
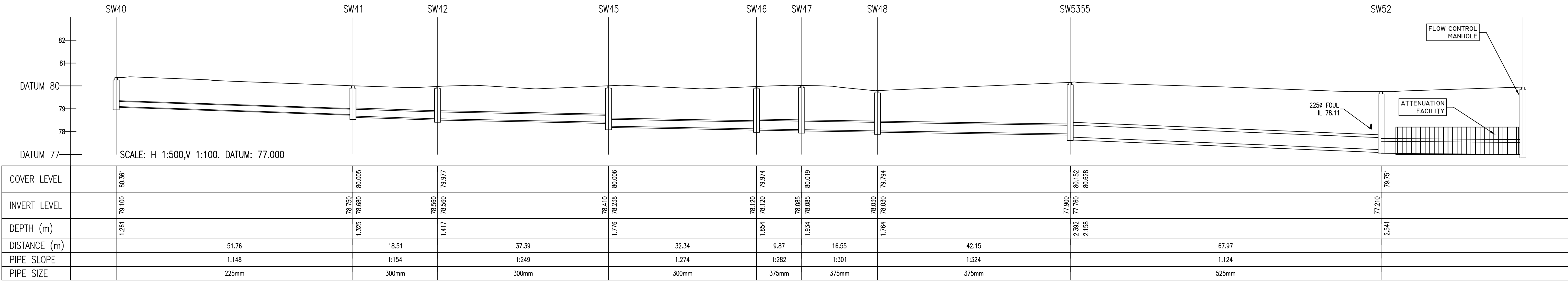
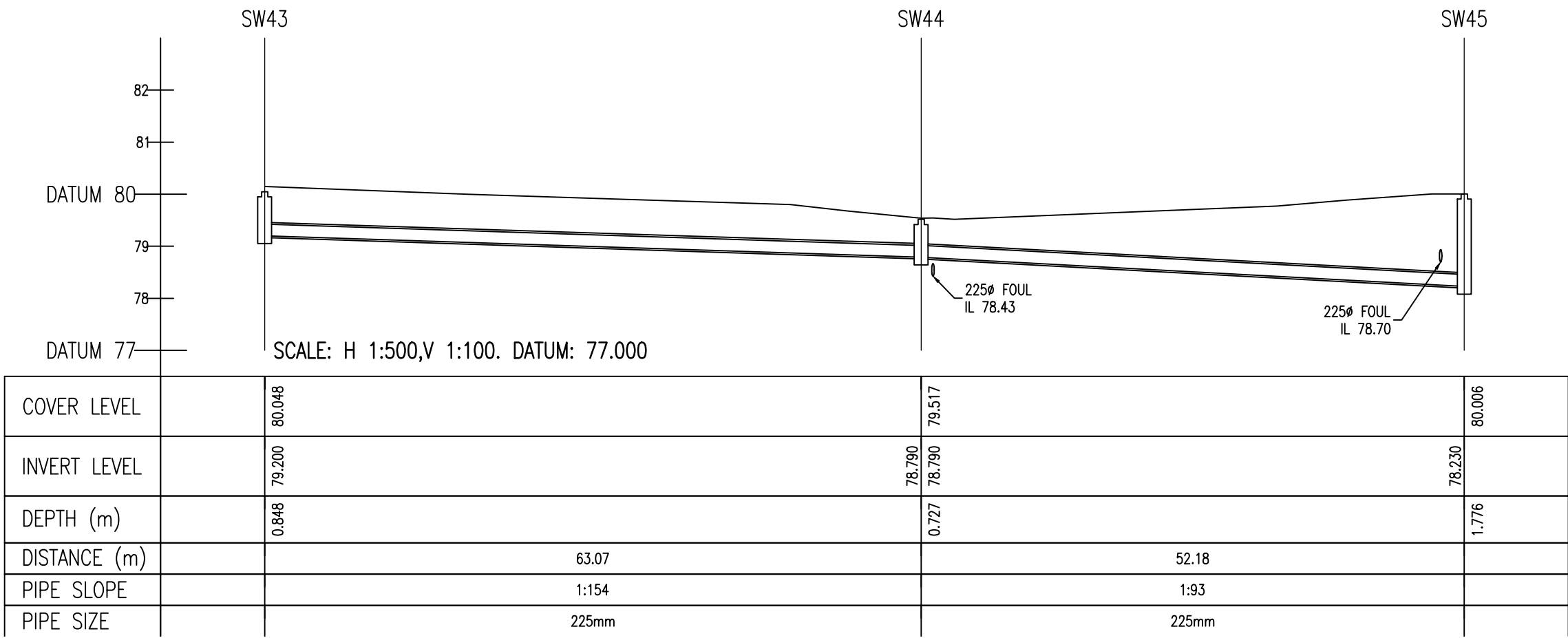
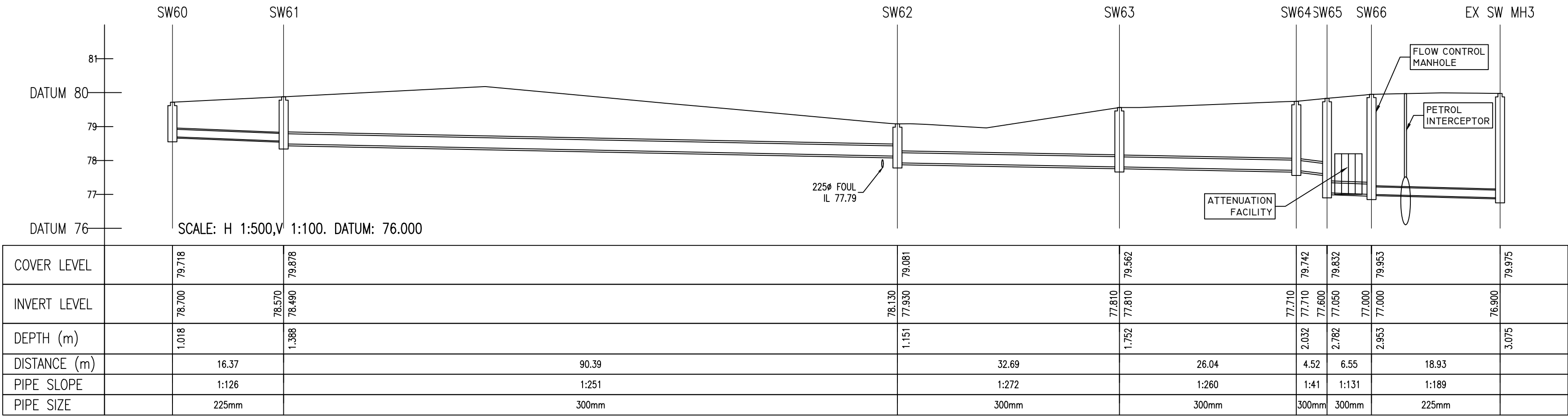
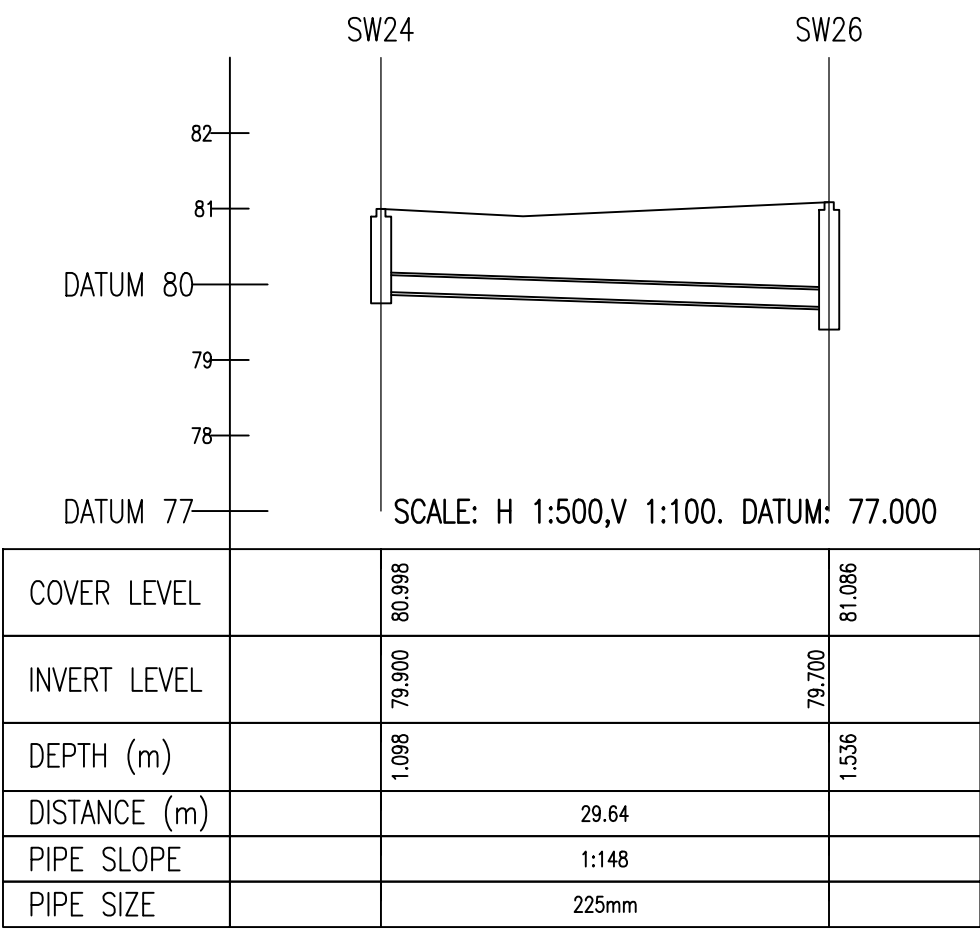
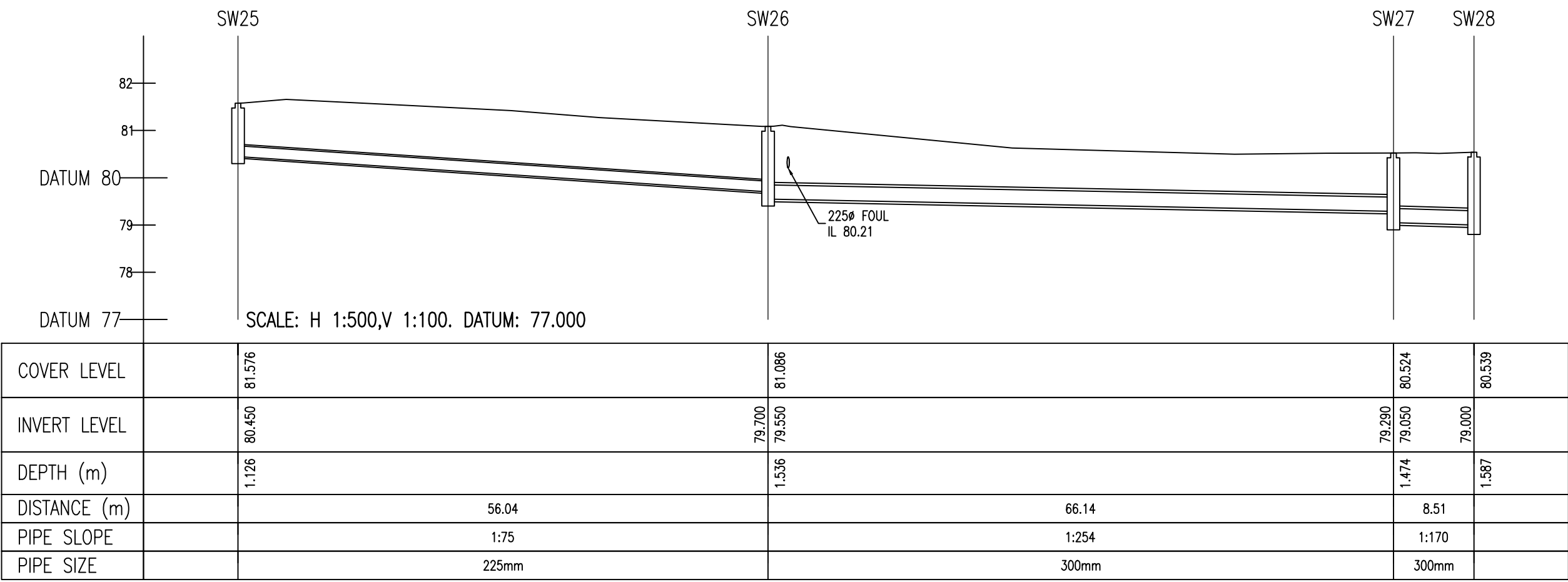
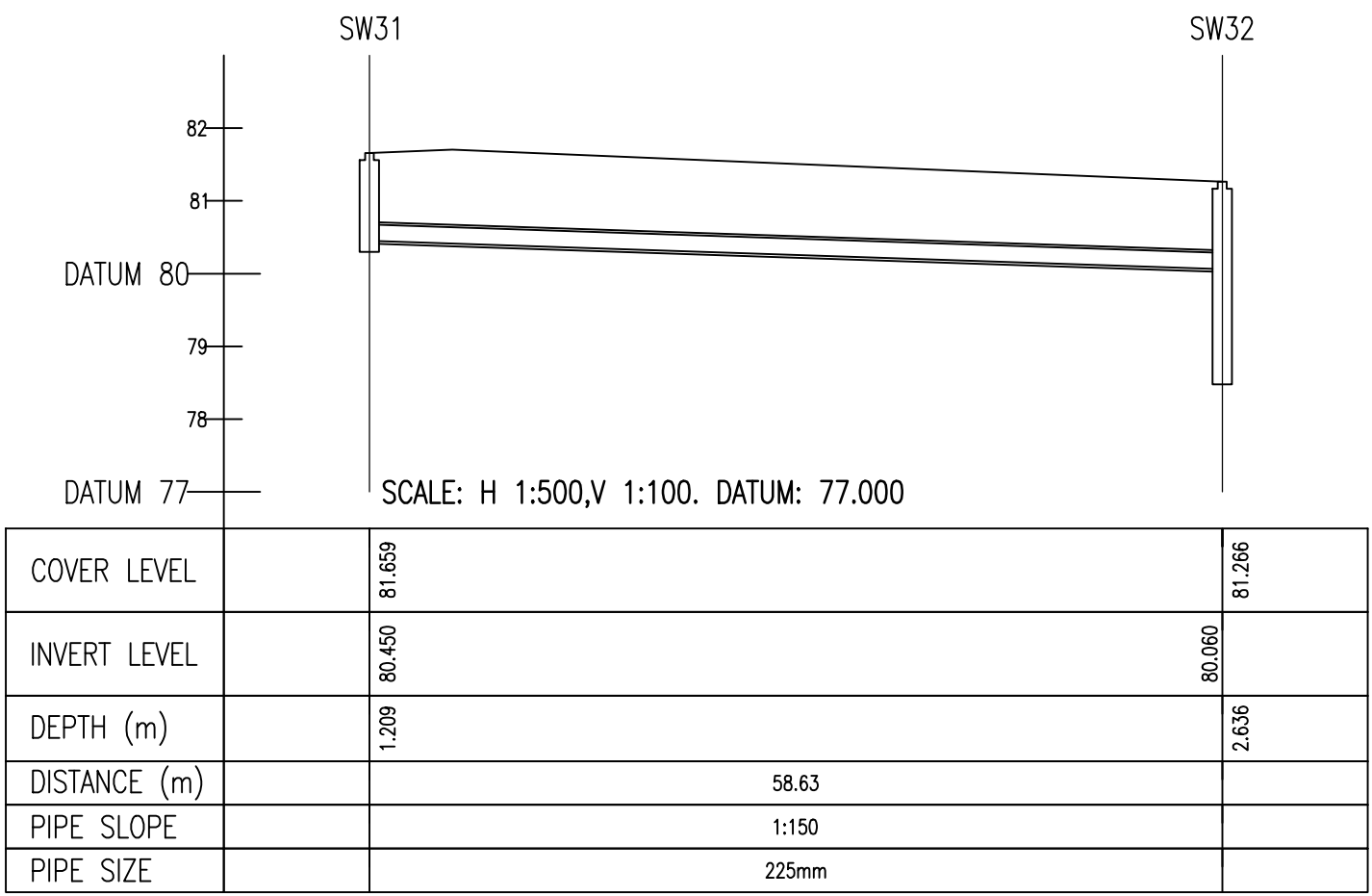
PINNACLE
CONSULTING ENGINEERS

GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041
NORWICH I WELWYN GARDEN CITY LONDON I BRISTOL

DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
100/500	Feb'19	KR	SO'R
DRG NO.	REVISION	SHEET SIZE	
P180307-215	1	A1	

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REF: P180307



050MM ON A1 DWG.50

I	LEVELS/SERVICES UPDATED	PC	SO'R	26.07.19
REV	DESCRIPTION	BY	CHK	DATE

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK
KILCOCK
CO. KILDARE

DRAWING TITLE

PROPOSED SURFACE WATER SEWER
LONGITUDINAL SECTIONS
SHEET 2

PINNACLE
CONSULTING ENGINEERS

GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041

NORWICH WELWYN GARDEN CITY LONDON BRISTOL

DRAWING STATUS

PLANNING

SCALE
100/500

DATE
Feb'19

DRAWN BY
KR

CHECKED
SO'R

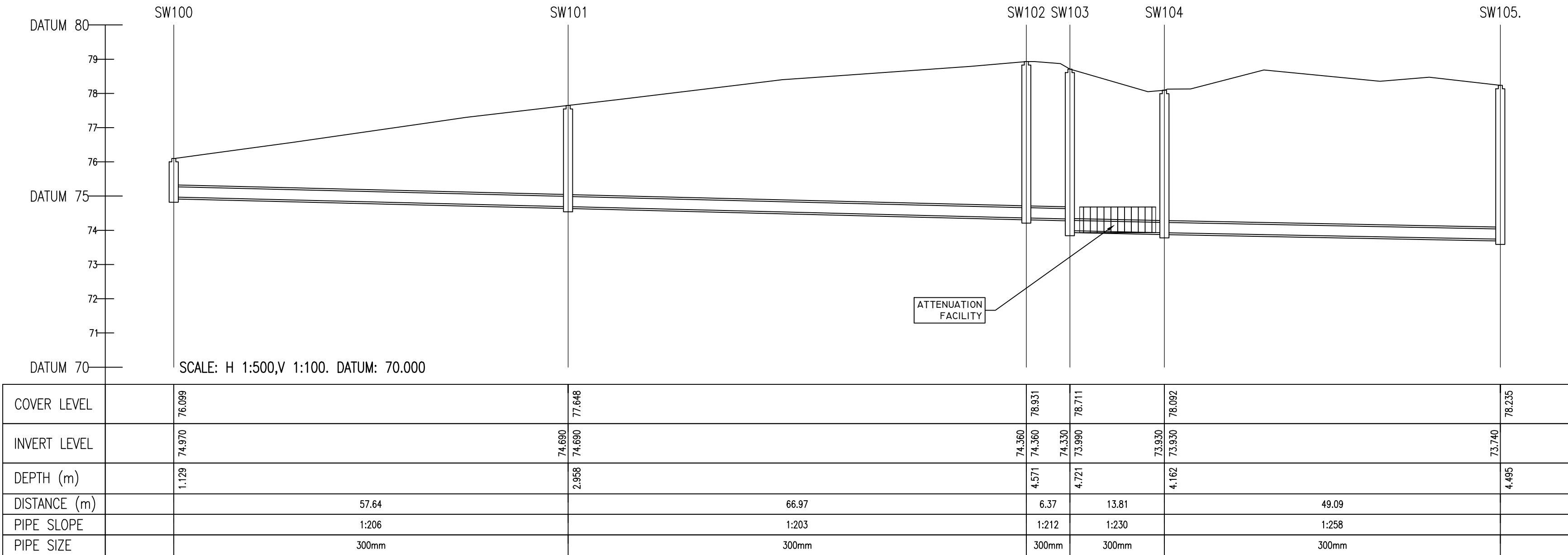
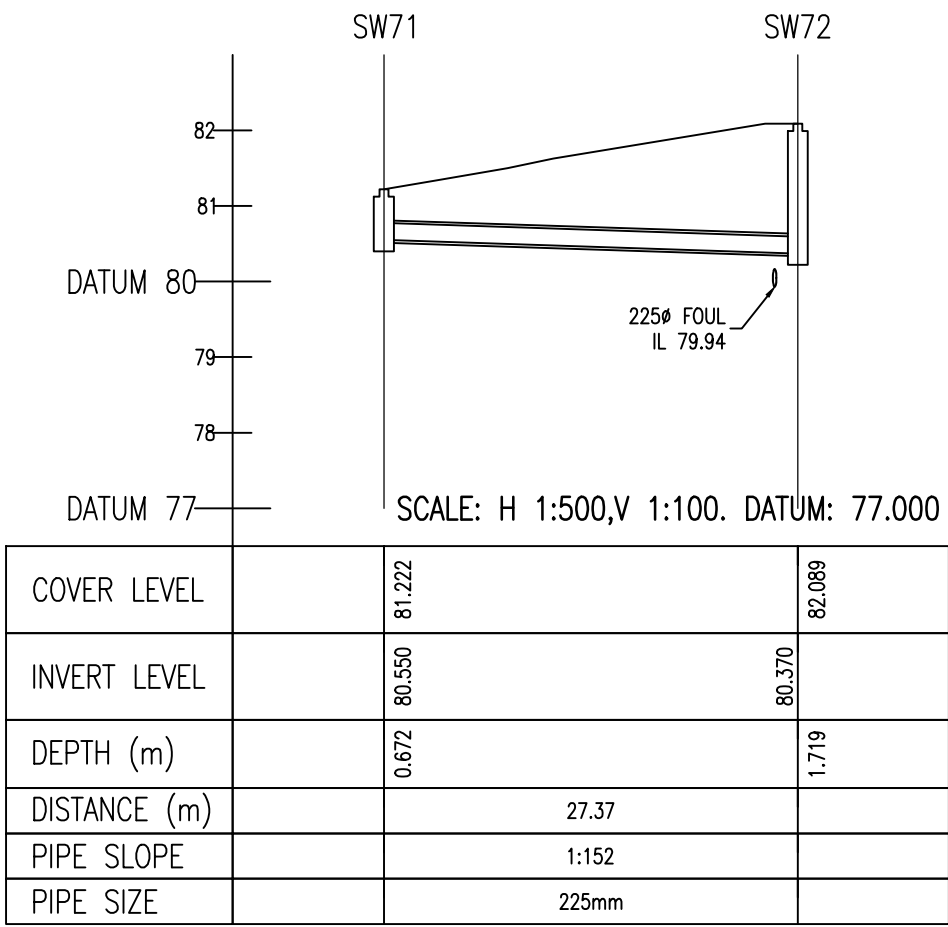
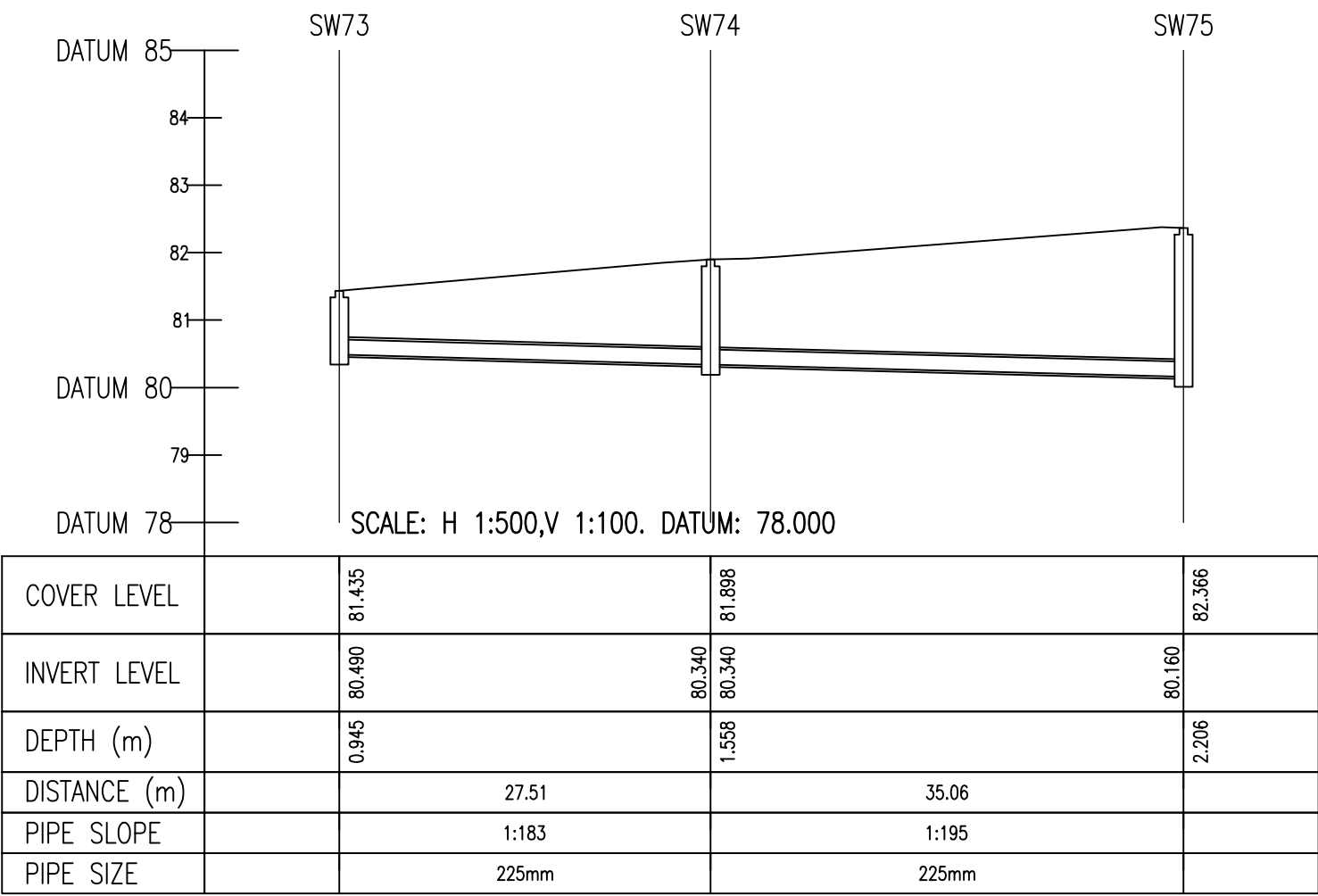
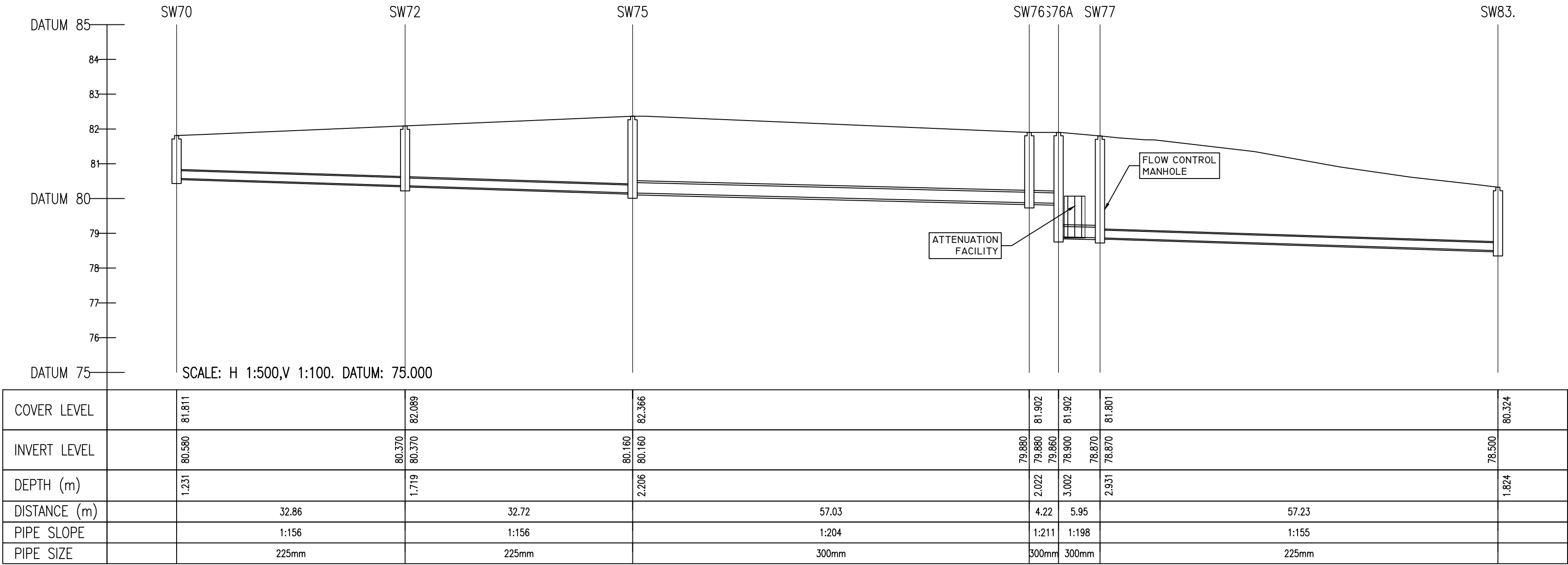
DRG NO.
P180307-216

REVISION
1

SHEET SIZE
A1

REF: P180307

COPYRIGHT PINNACLE



I	LEVELS/SERVICES UPDATED	PC	SO'R	26.07.19
REV	DESCRIPTION	BY	CHK	DATE
CLIENT				

RYCROFT HOMES LTD.

PROJECT
LANDS ADJOINING BRAYTON PARK
KILCOCK
CO. KILDARE

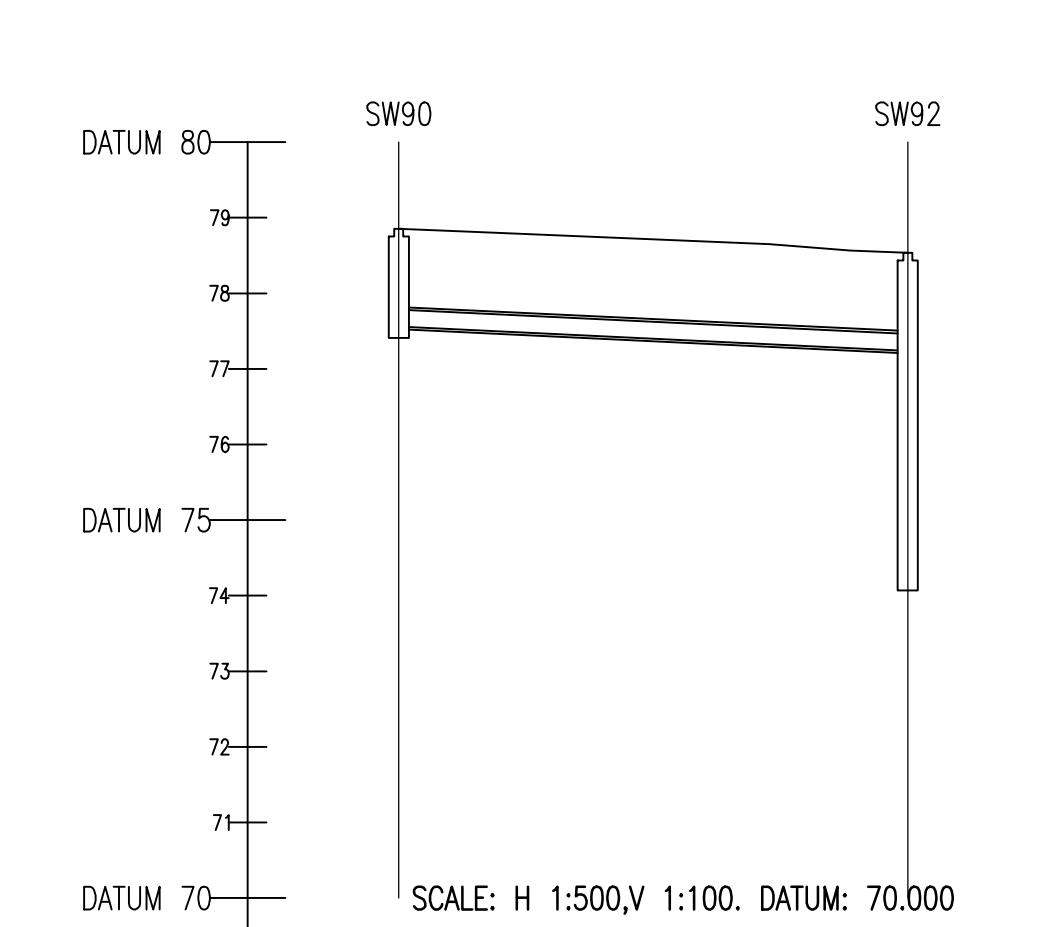
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PROPOSED SURFACE WATER SEWER
LONGITUDINAL SECTIONS
SHEET 3



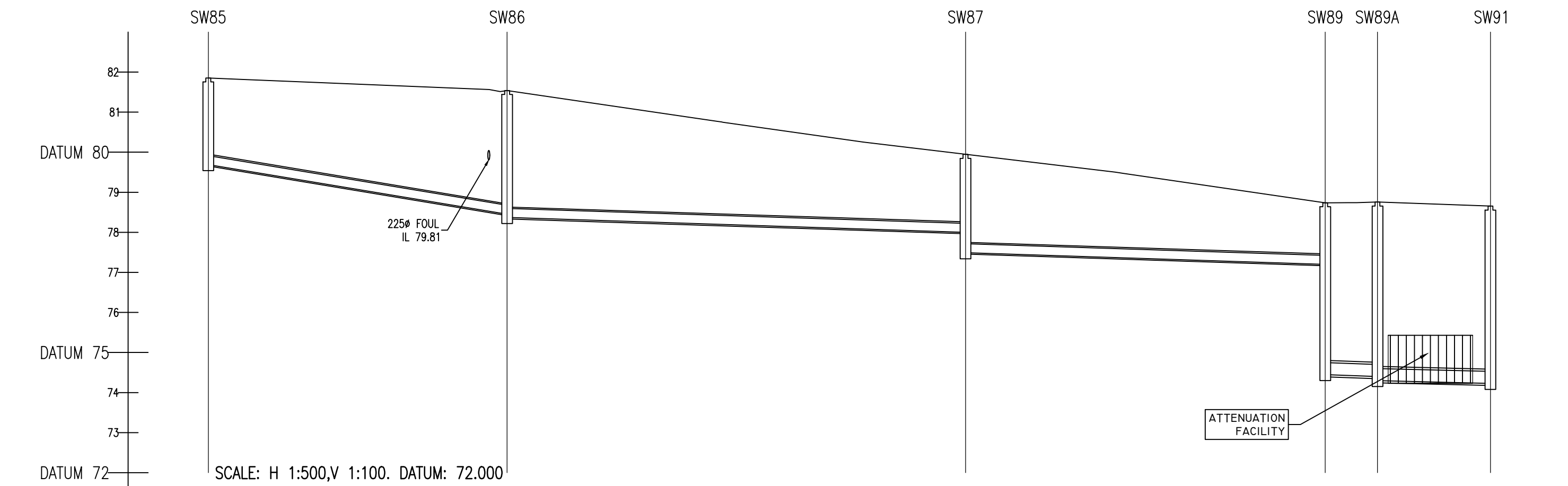
GROSVENOR COURT, 67A PATRICK STREET, DUN LAOGHAIRE, COUNTY DUBLIN, IRELAND. TELEPHONE: +353 1231 1041 NORWICH I WELWYN GARDEN CITY LONDON I BRISTOL				
DRAWING STATUS PLANNING				
SCALE 100/500	DATE Feb'19	DRAWN BY KR	CHECKED SO'R	
DRG NO. P180307-217	REVISION 1	SHEET SIZE A1		

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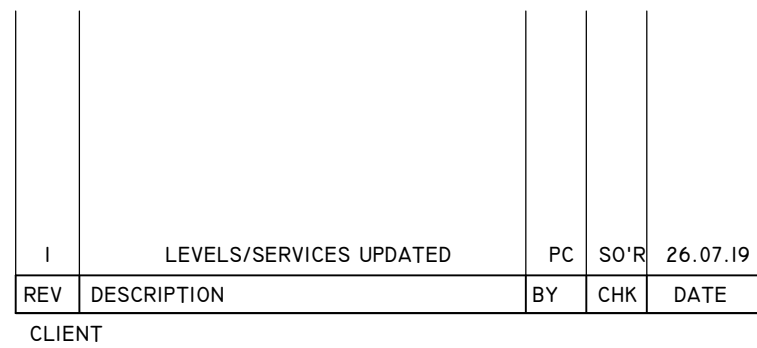
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COVER LEVEL	8.832		763.56
INVERT LEVEL	77.560		77.240
DEPTH (m)	1.292		4.316
DISTANCE (m)	33.67		
PIPE SLOPE	1:105		
PIPE SIZE	225mm		



COVER LEVEL		2.162	79.600		78.650	81.539		78.000		77.200	74.450	78.737		74.400	74.300	78.756		74.230	78.654
INVERT LEVEL					3.169	78.370	81.539		2.656	77.480	79.946								
DEPTH (m)												4.287	6.52	4.456				4.424	
DISTANCE (m)			37.27			57.18				44.86							14.09		
PIPE SLOPE			1:30			1:155				1:155							1:201		
PIPE SIZE			225mm			225mm				225mm						300mm	300mm		

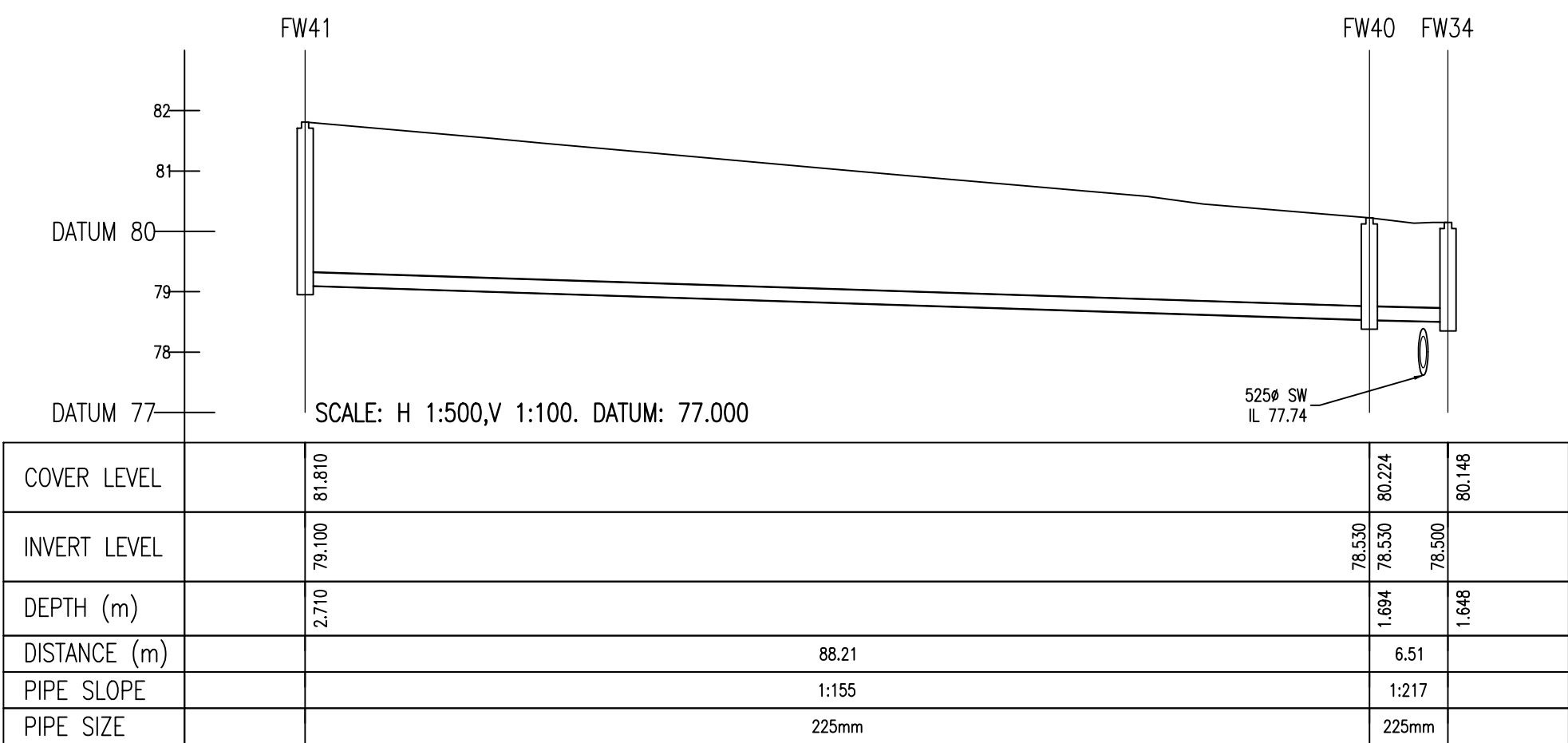
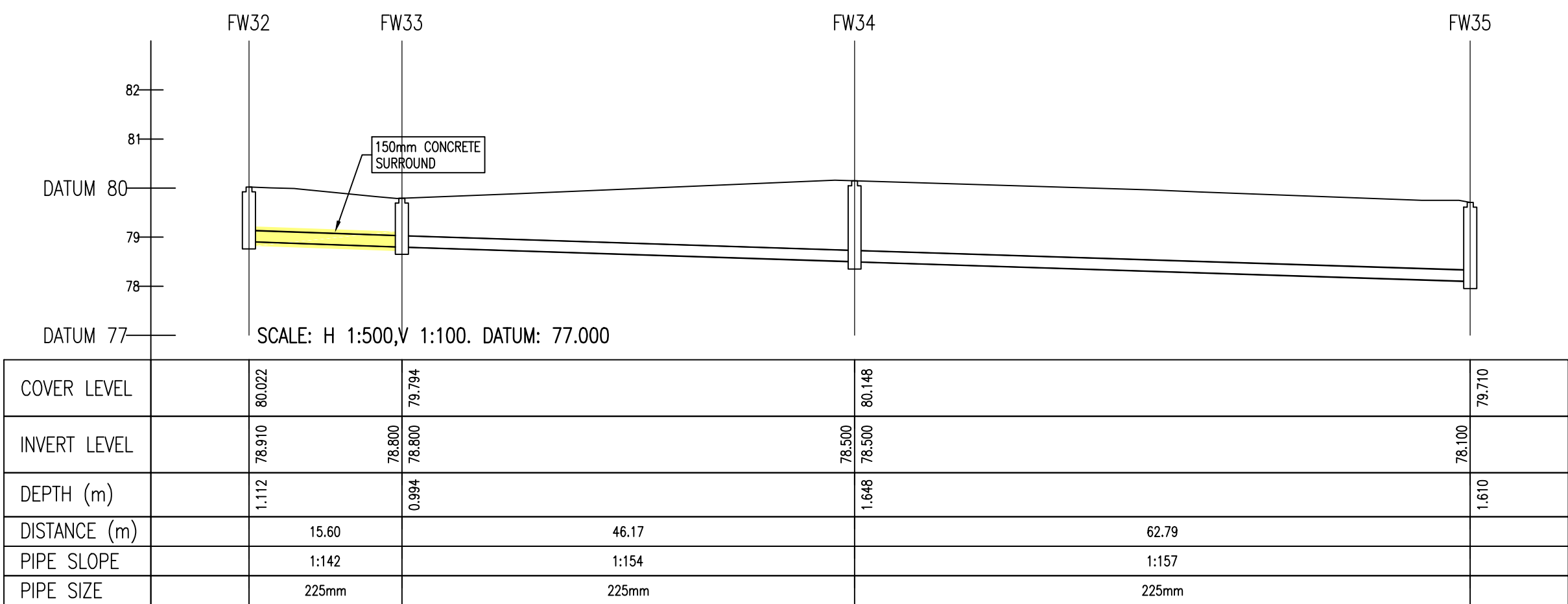
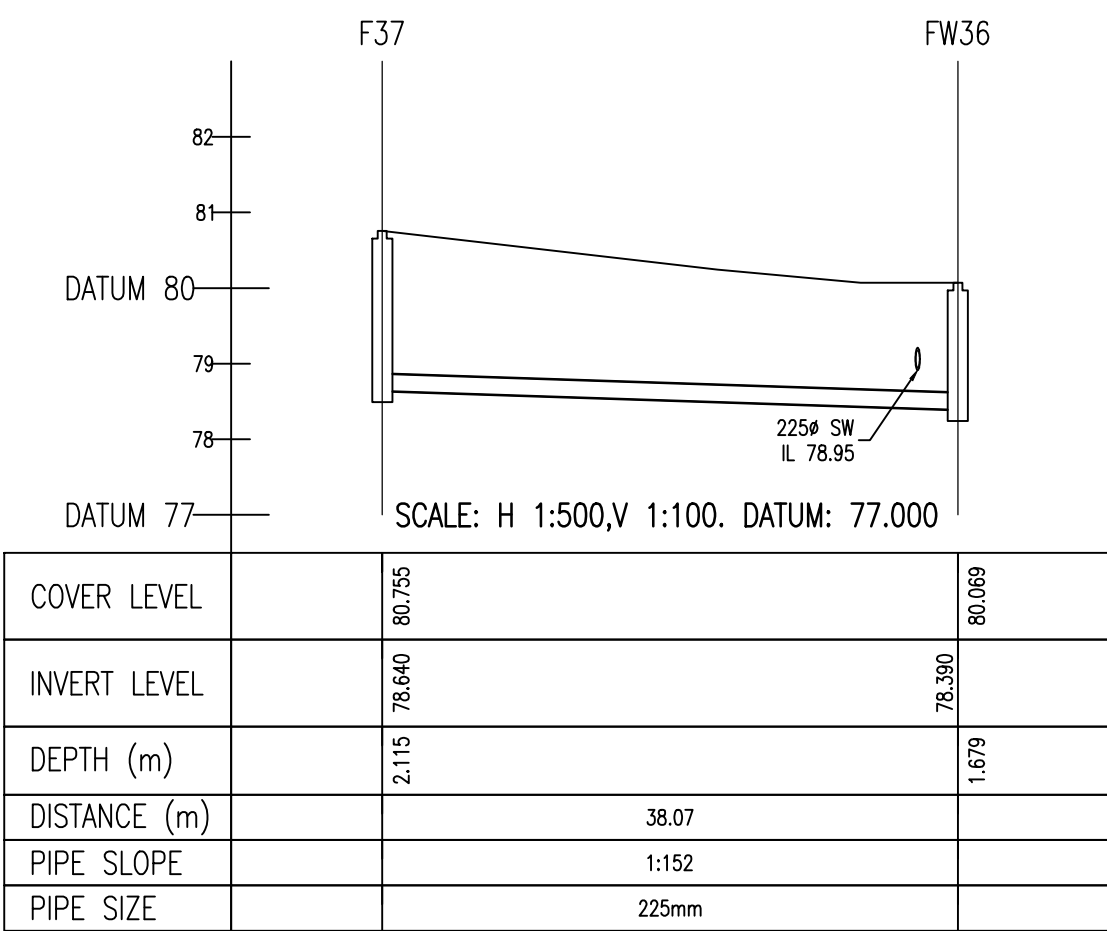
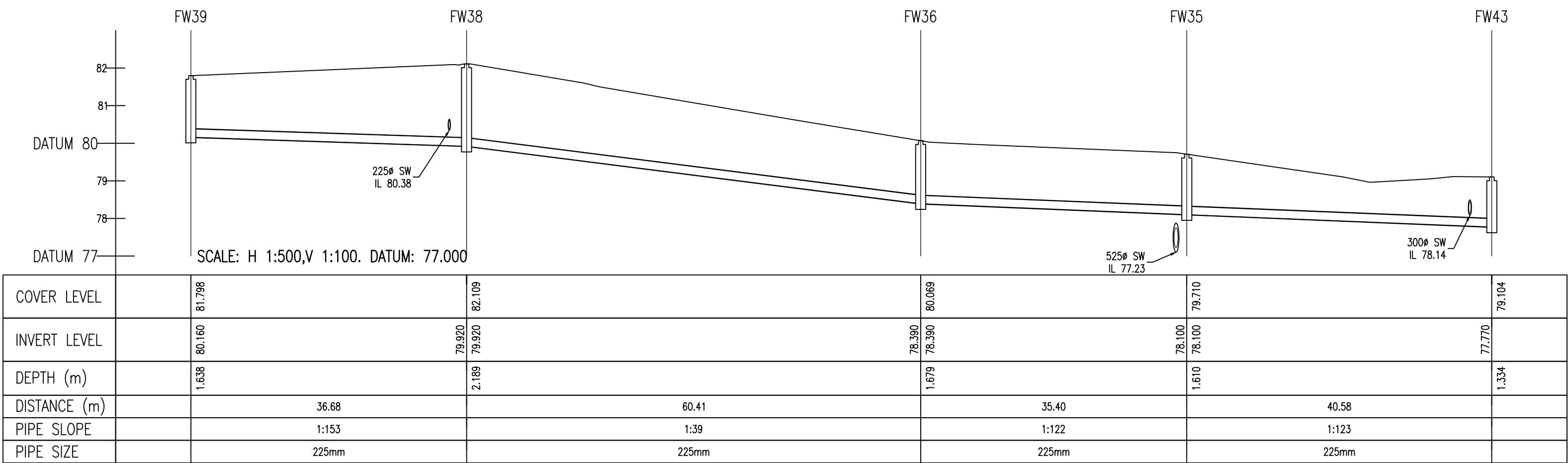
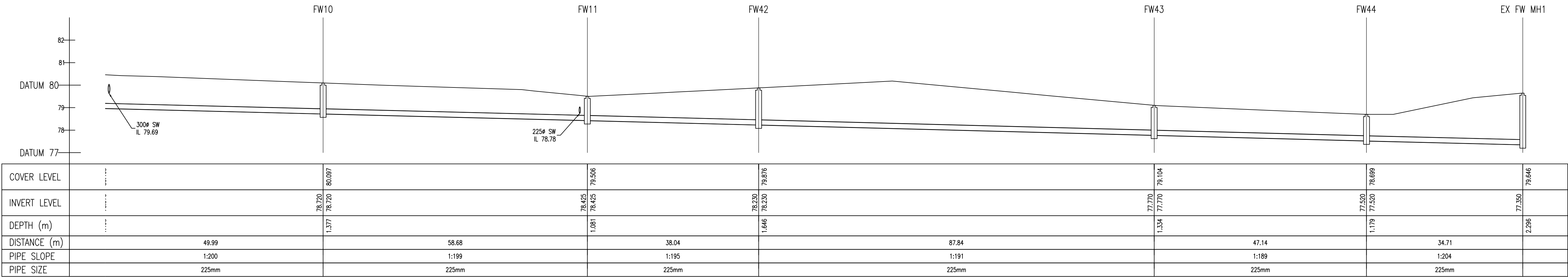
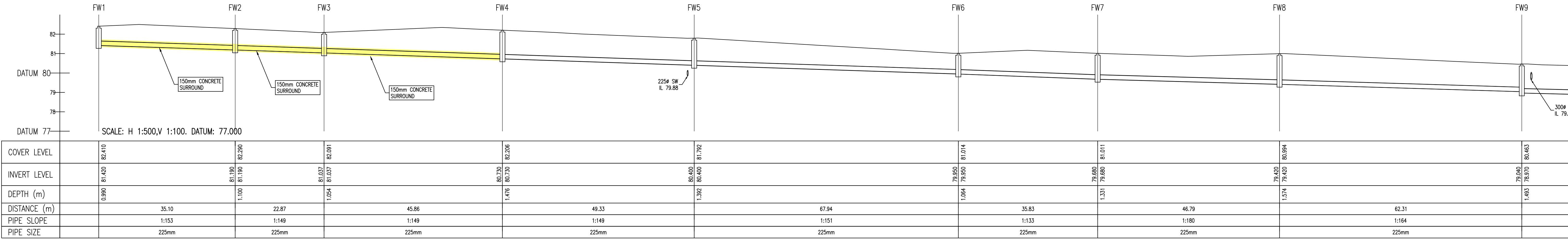


PROJECT
LANDS ADJOINING BRAYTON PARK
KILCOCK
CO. KILDARE

PINNACLE
CONSULTING ENGINEERS

DRAWING STATUS			
PLANNING			
SCALE 100/500	DATE Feb'19	DRAWN BY KR	CHECKED SO'R
DRG NO. P180307-218		REVISION 1	SHEET SIZE AI

REF: P180307



I	LEVELS/SERVICES UPDATED	PC	SO'R	06.07.19
REV	DESCRIPTION	BY	CHK	DATE
CLIENT				

RYCROFT HOMES LTD.

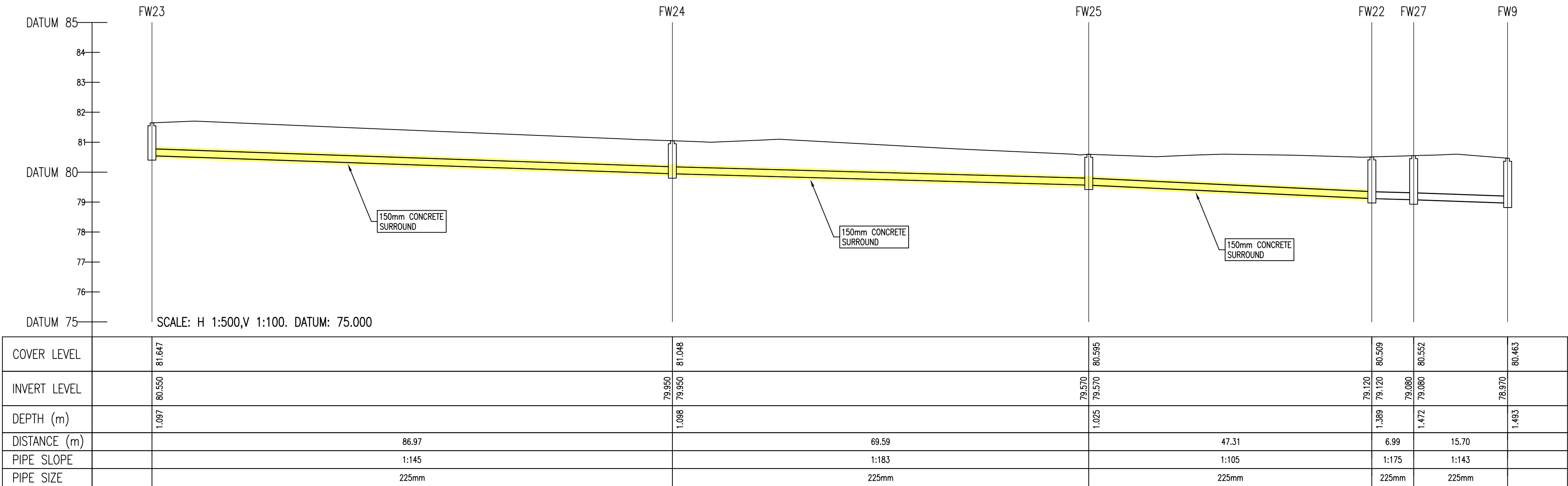
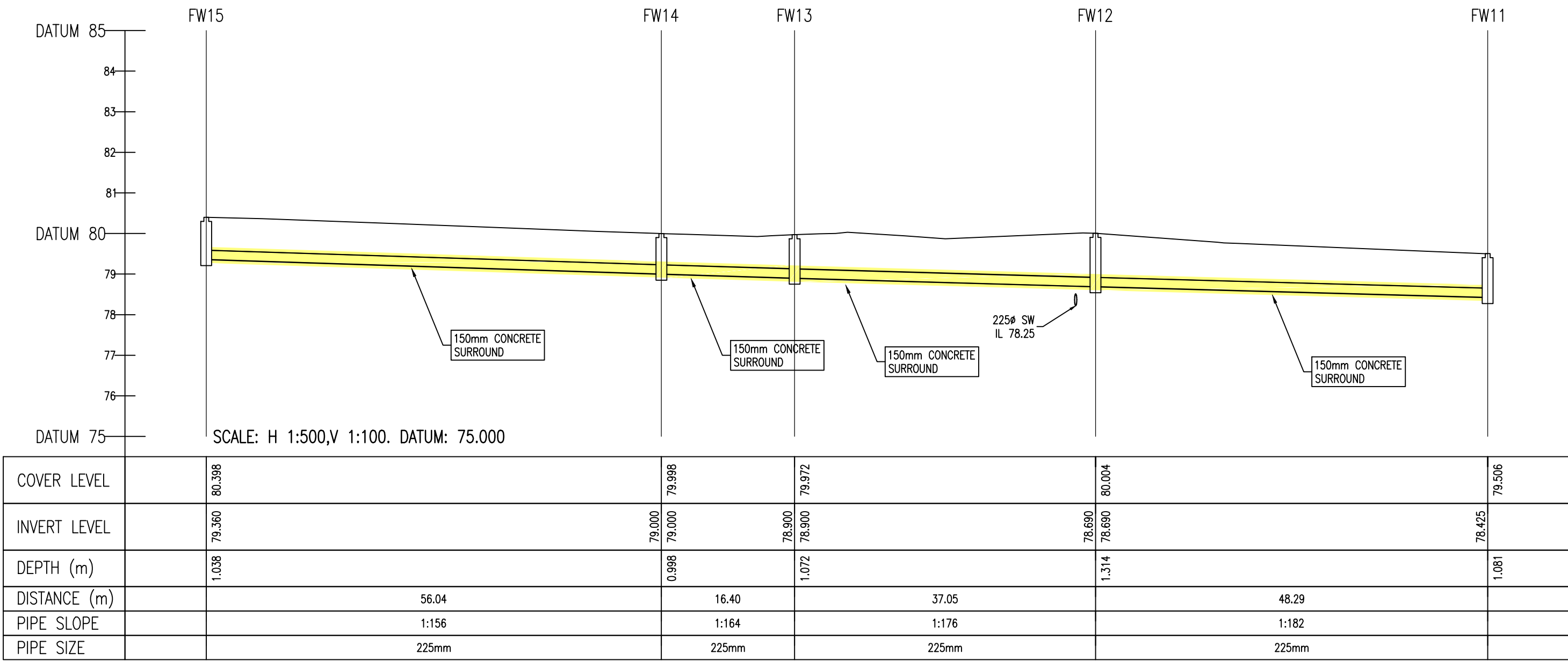
PROJECT
LANDS ADJOINING BRAYTON PARK
KILCOCK
CO. KILDARE

DRAWING TITLE
PROPOSED FOUL SEWER
LONGITUDINAL SECTIONS
SHEET I

PINNACLE
CONSULTING ENGINEERS

GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041
NORWICH I WELWYN GARDEN CITY LONDON I BRISTOL

DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
100/500	Feb'19	KR	SO'R
DRG NO.	REVISION	SHEET SIZE	
P180307-210	1	A1	



I	LEVELS/SERVICES UPDATED	PC	SO'R	06.07.19
REV	DESCRIPTION	BY	CHK	DATE
CLIENT				

RYCROFT HOMES LTD.

PROJECT
LANDS ADJOINING BRAYTON PARK
KILCOCK
CO. KILDARE

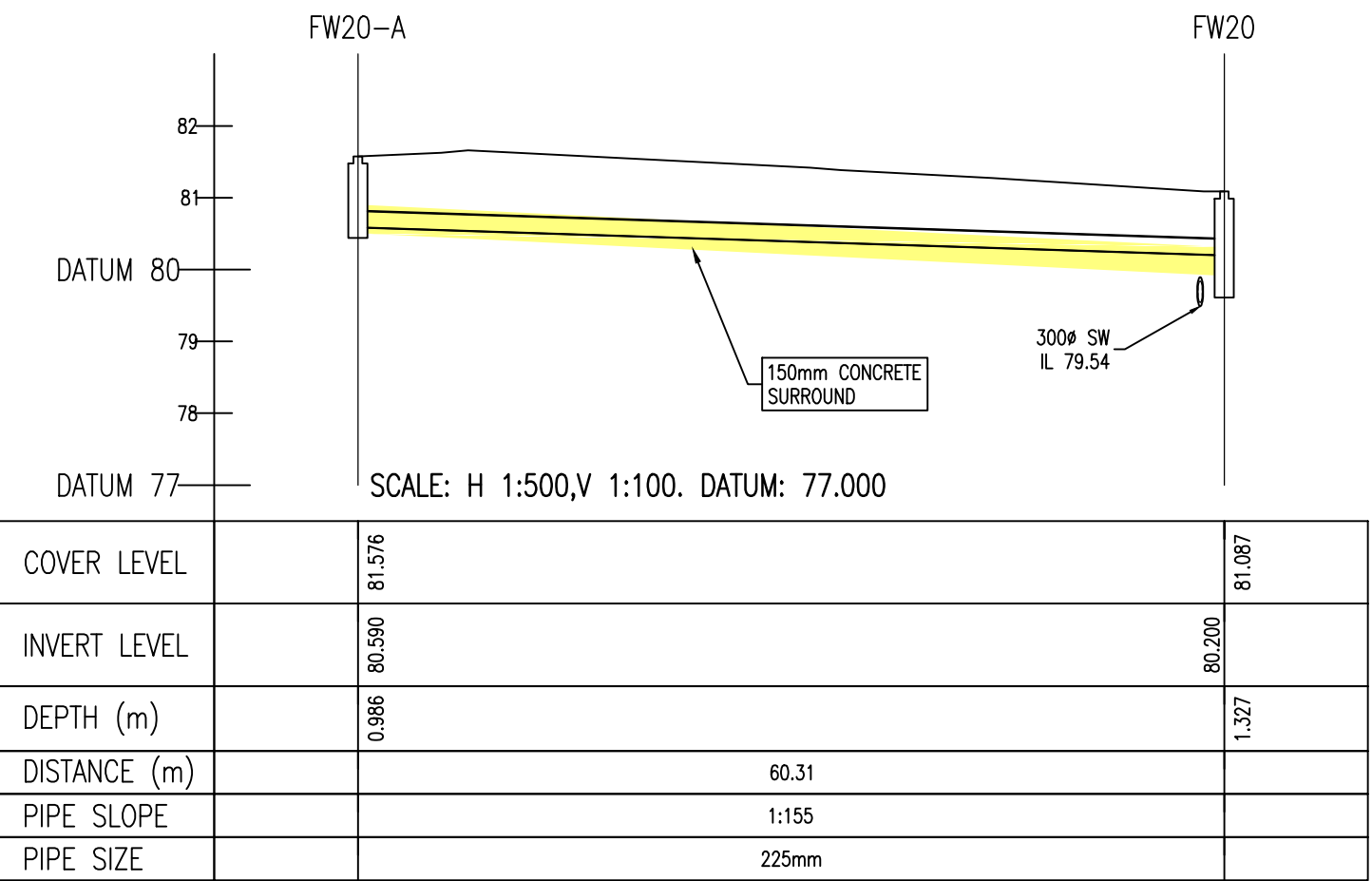
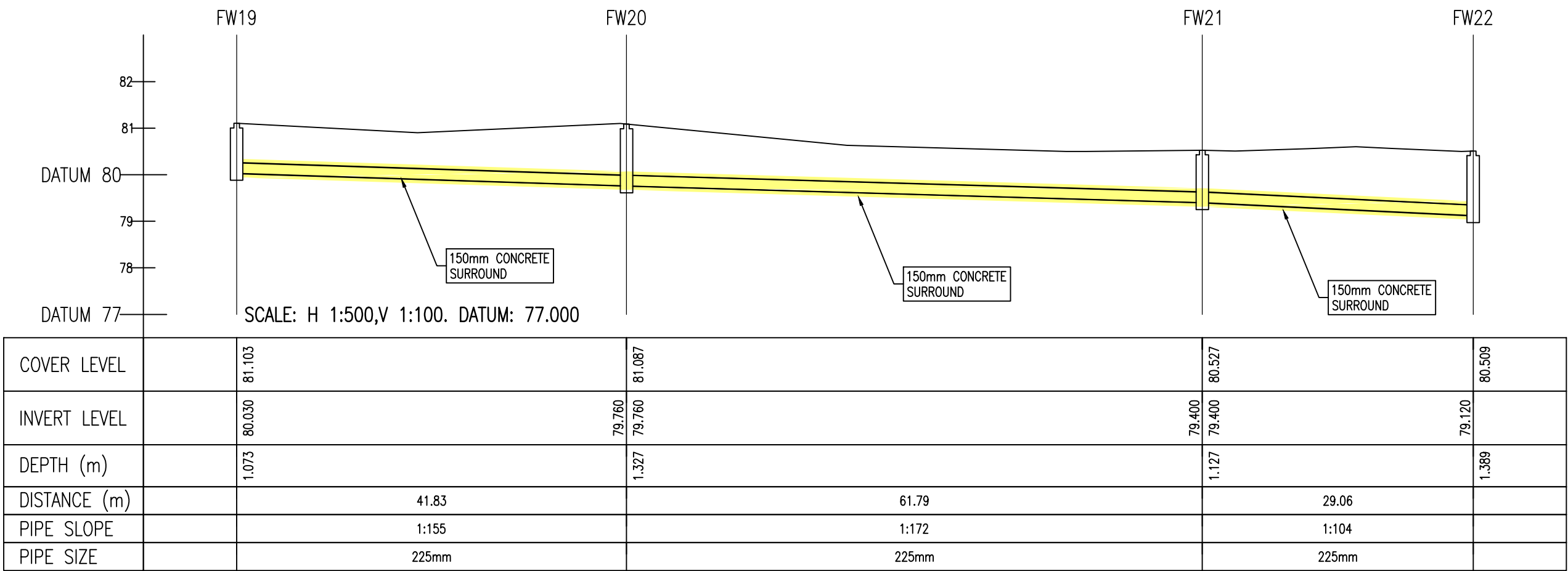
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PROPOSED FOUL SEWER
LONGITUDINAL SECTIONS
SHEET 2

PINNACLE
CONSULTING ENGINEERS

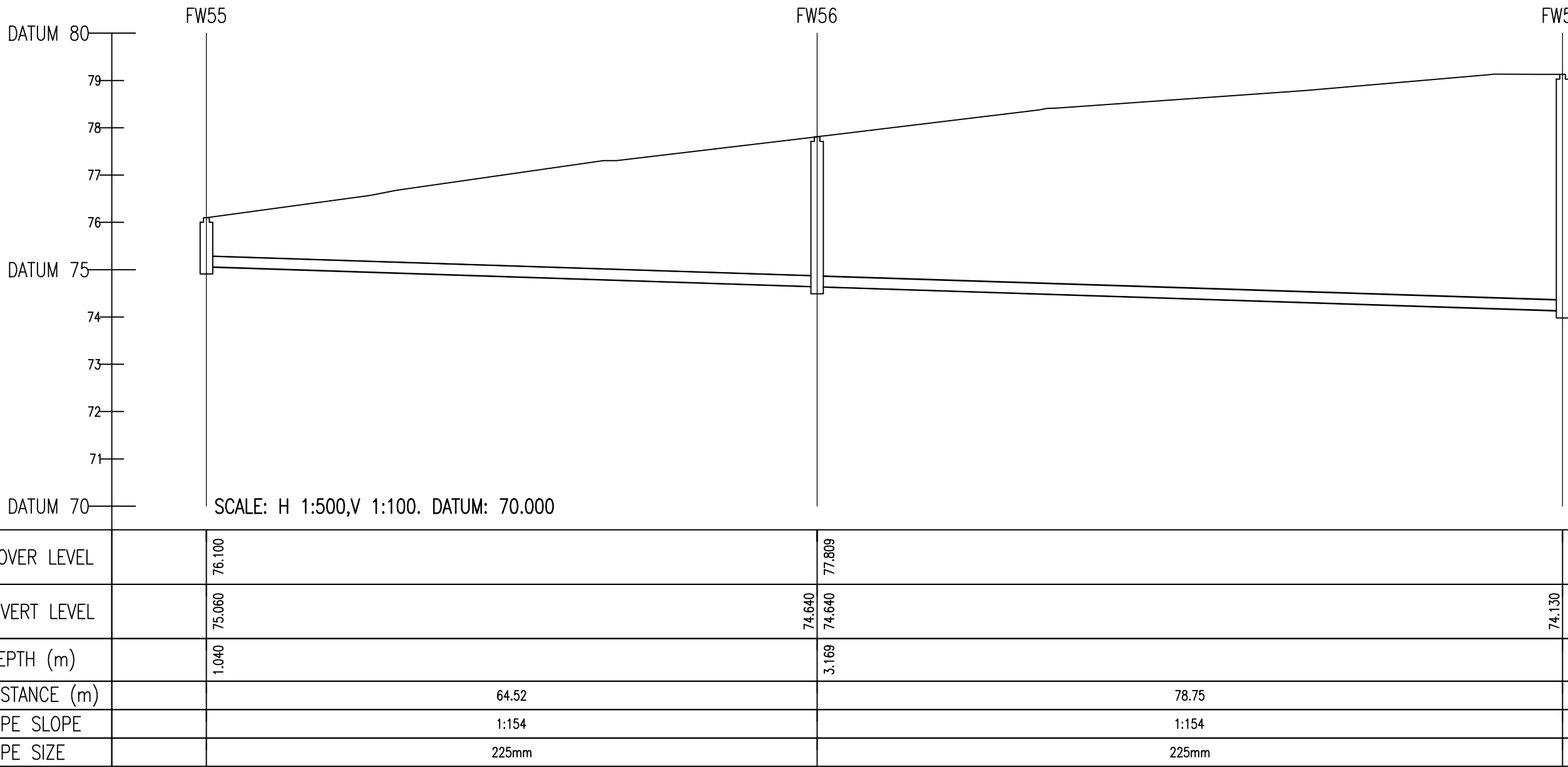
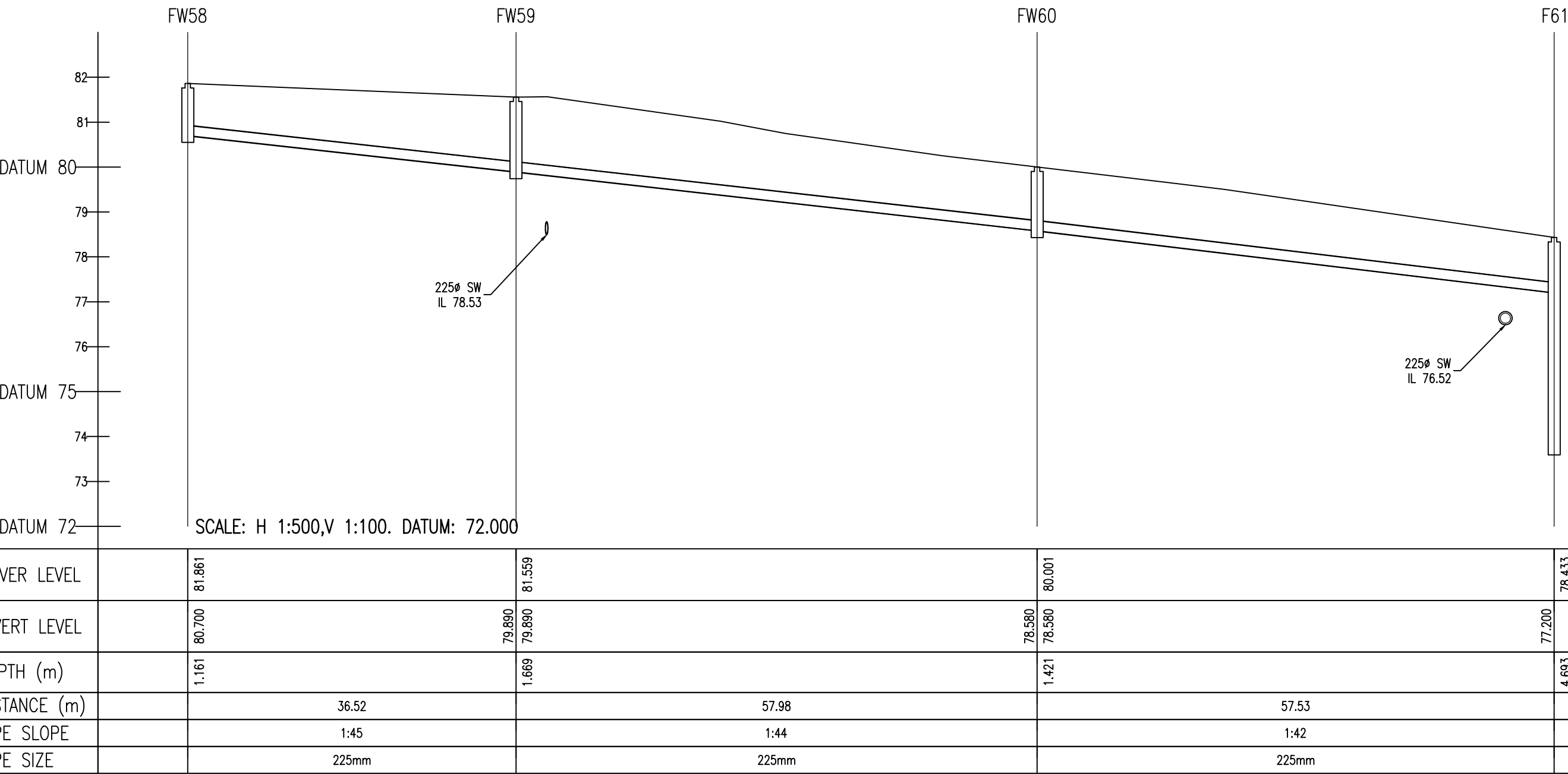
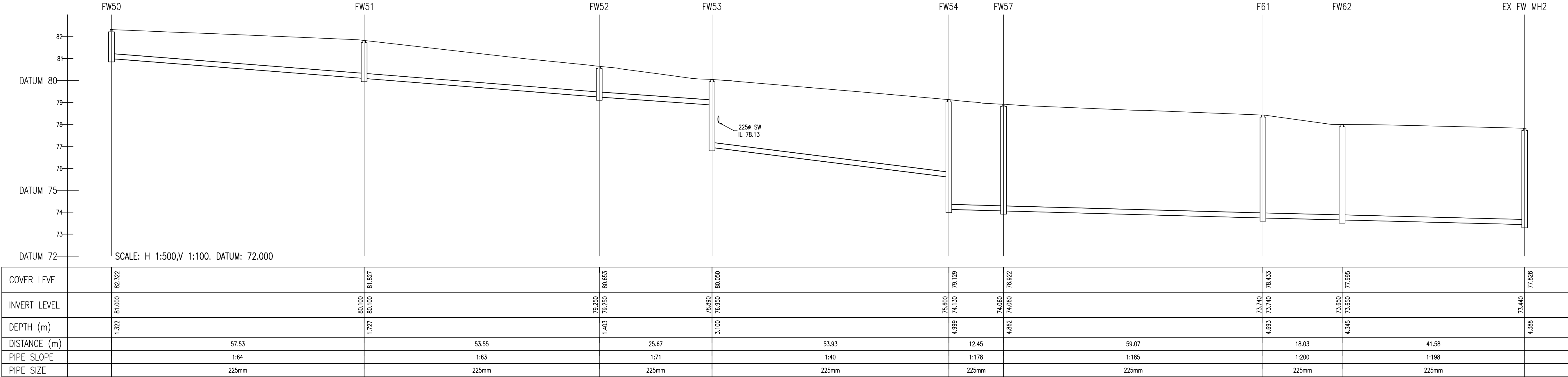
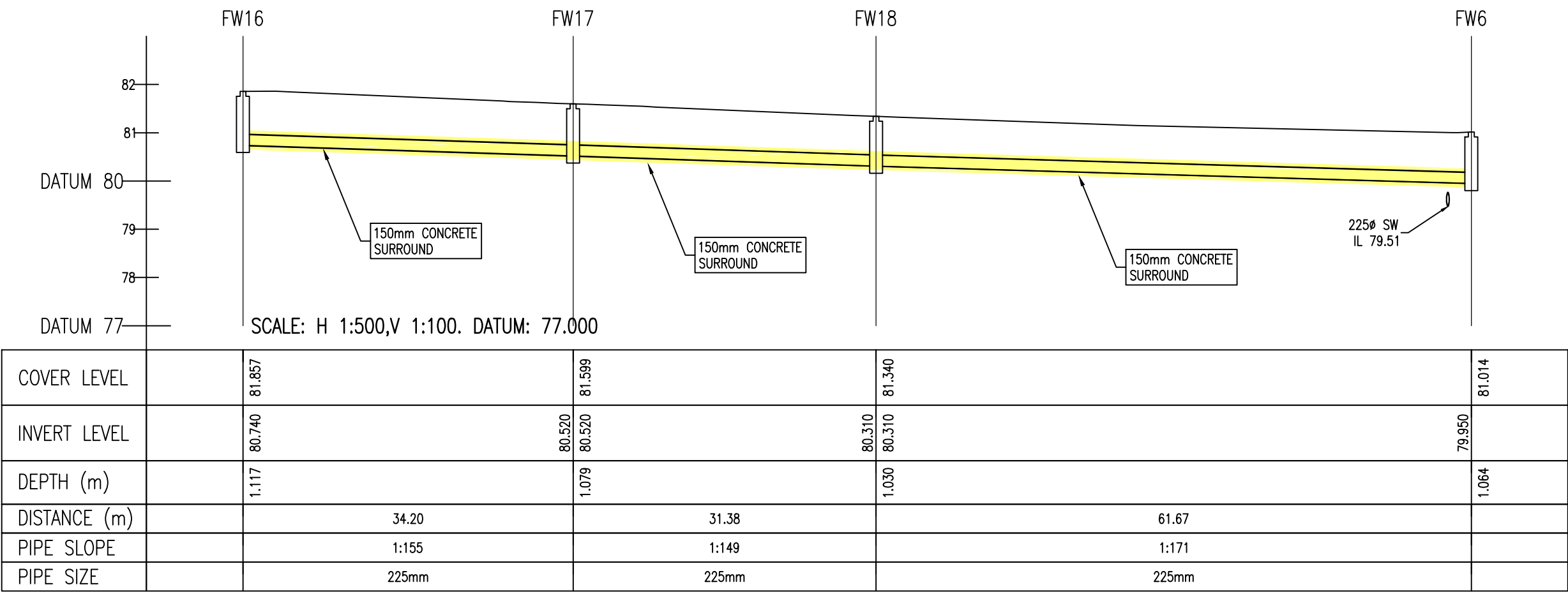
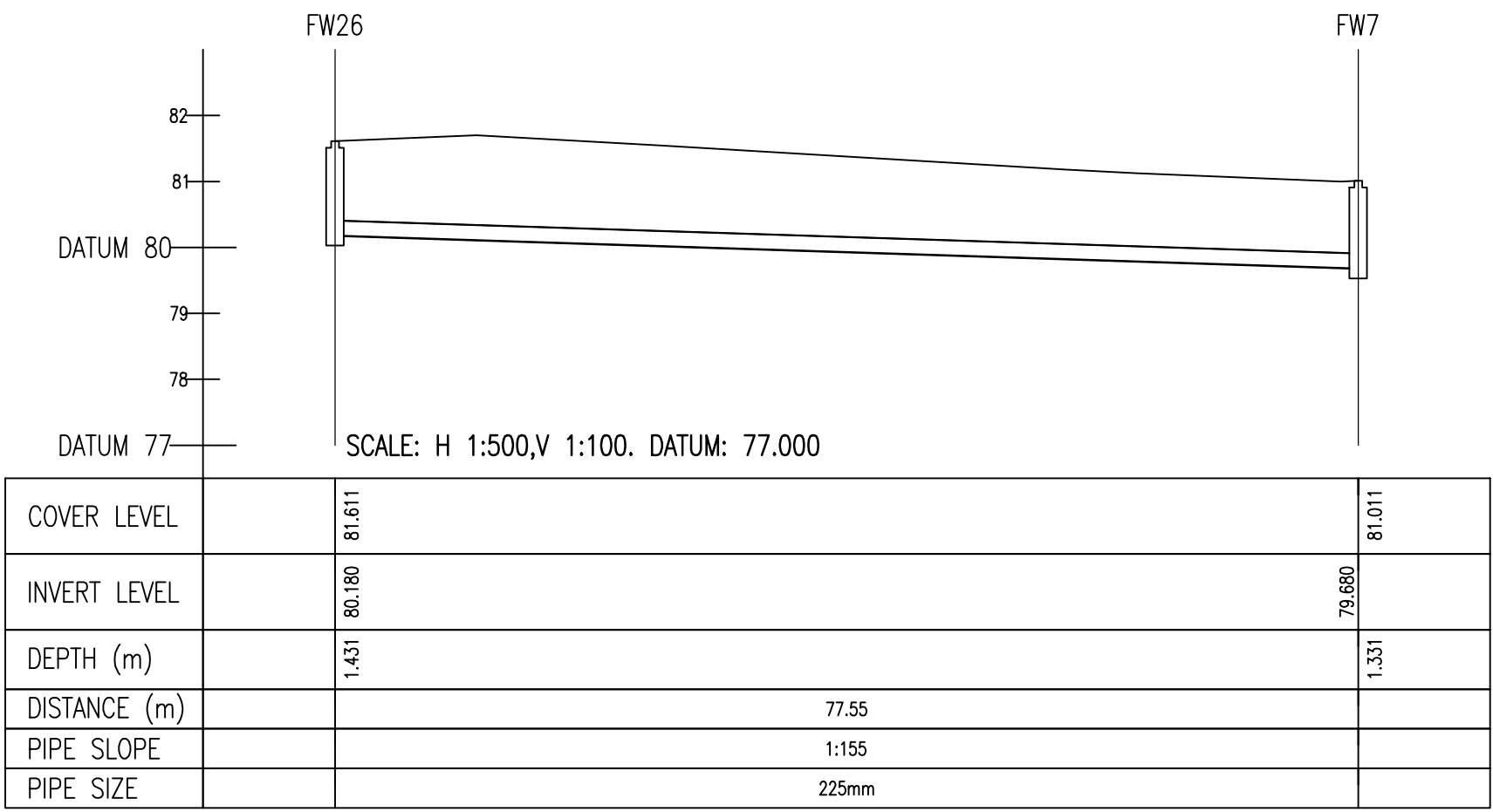
GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041
NORWICH I WELWYN GARDEN CITY LONDON I BRISTOL

DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
100/500	Feb'19	KR	SO'R
DRG NO.	REVISION	SHEET SIZE	
P180307-211	1	A1	

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REF: P180307



I	LEVELS/SERVICES UPDATED	PC	SO'R	06.07.19
REV	DESCRIPTION	BY	CHK	DATE
CLIENT				

RYCROFT HOMES LTD.

PROJECT
LANDS ADJOINING BRAYTON PARK
KILCOCK
CO. KILDARE

DRAWING TITLE
PROPOSED FOUL SEWER
LONGITUDINAL SECTIONS
SHEET 3

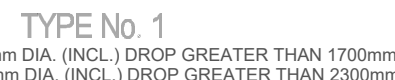
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CONSULTING ENGINEERS

GROSVENOR COURT,
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NORWICH I WELWYN GARDEN CITY LONDON I BRISTOL

DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
100/500	Feb'19	KR	SO'R
DRG NO.	REVISION	SHEET SIZE	
P180307-212	1	A1	

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REF: P180307



MINIMUM MANHOLE DIAMETERS	
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)
LESS THAN 375	1200
375 TO 450	1350
500 TO 750	1500



PIPE DIAMETER 'A' (mm)	TRENCH WIDTH 'B' (mm)
≤80 RISING MAIN	SEE NOTE 10.
100	500
150	600
200	600
250	750
300	750
350	750
400	900
450	900
PIPE DIAMETER 'A' (mm)	DEPTH OF BEDDING 'C' (mm)
≤100	100
150 - 450	200

REV	DESCRIPTION	BY	CHK	DATE
CLIENT				

Rycroft Homes Ltd.

PROJECT
Lands Adjoining Brayton Park
Kilcock
Co. Kildare

DRAWING TITLE

STANDARD WASTEWATER
INFRASTRUCTURE DETAILS

PINNACLE
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DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
NTS	22.09.18	KR	SO'R
DRG NO.		REVISION	SHEET SIZE
P180307-204		-	A1

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REF: P187307

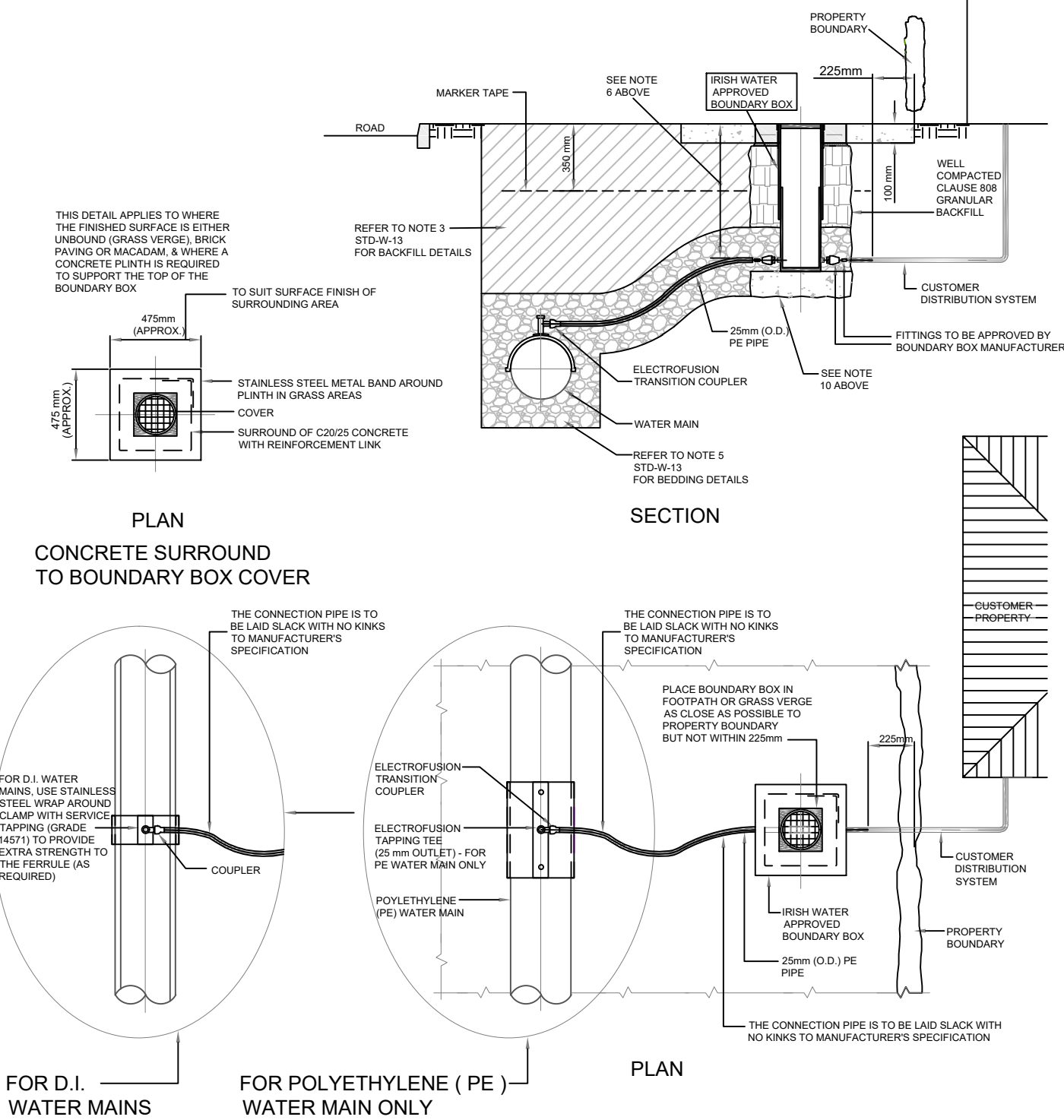
PRIVATE SIDE INSPECTION CHAMBER

BACKDROP MANHOLES

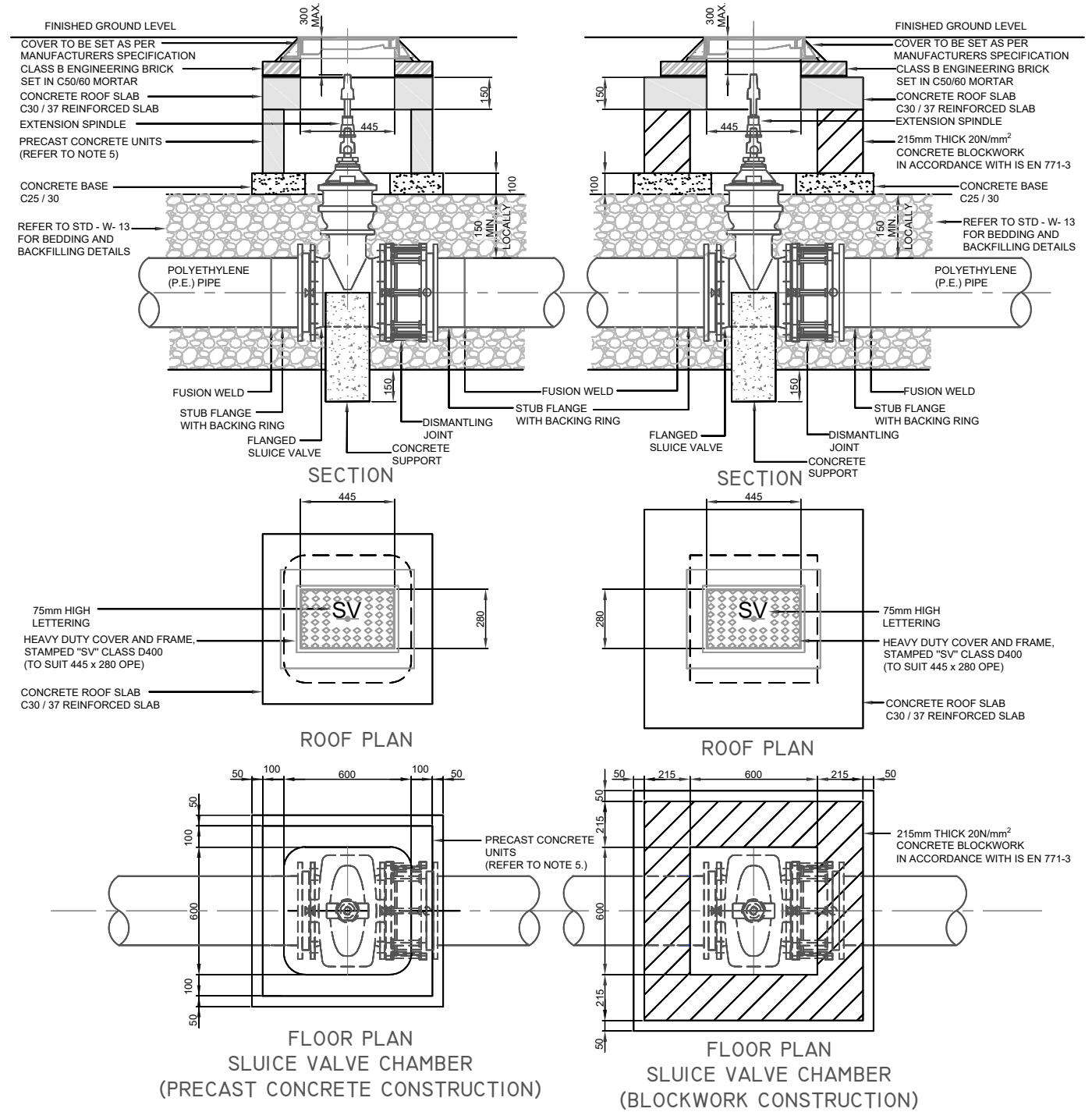
PRE-CAST CONCRETE MANHOLE

TRENCH BACKFILL AND BEDDING

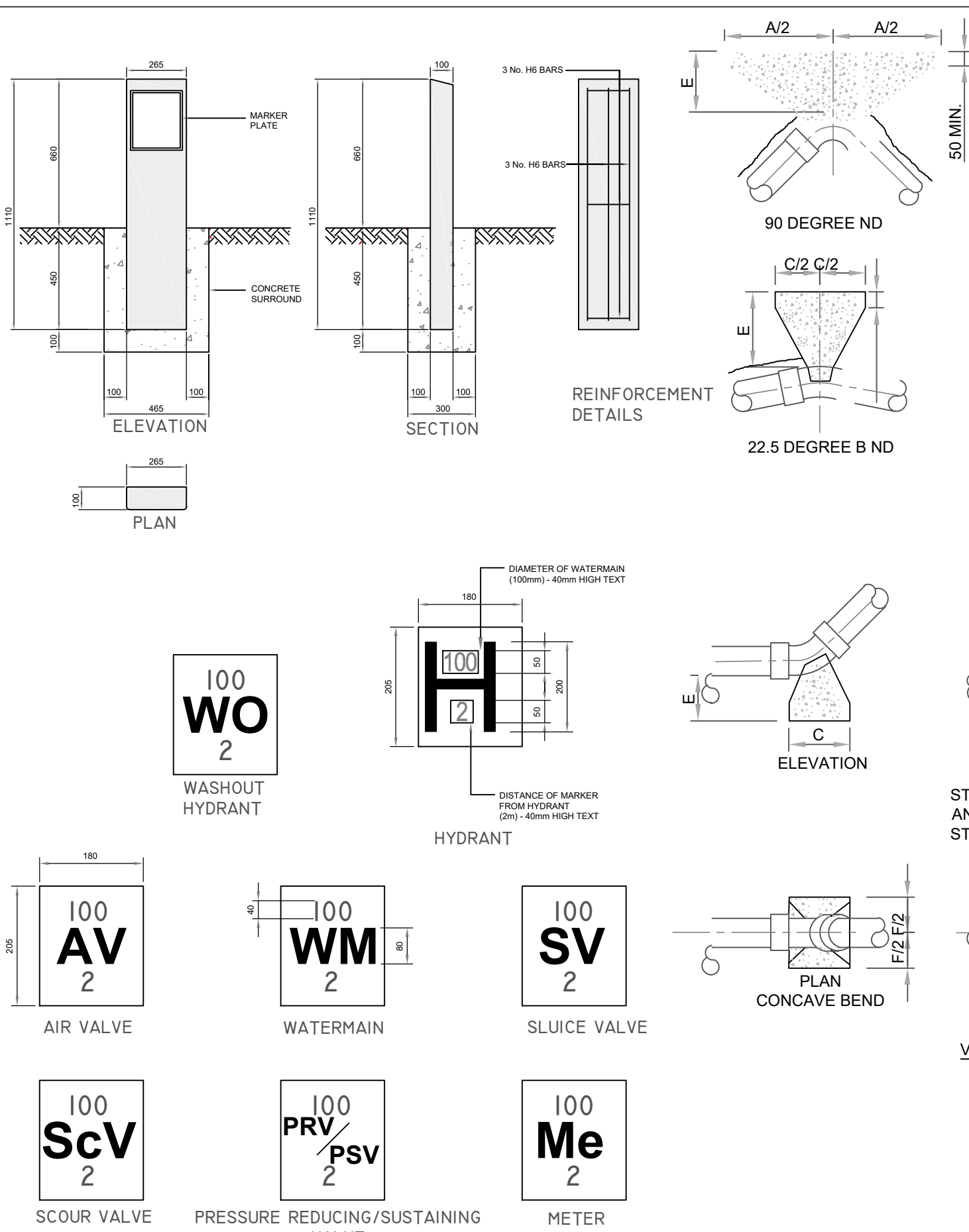
NOTE:
THIS DRAWING TO BE READ IN CONJUNCTION WITH
IRISH WATER INFRASTRUCTURE STANDARD DETAILS,
DOCUMENT NUMBER: IW-CDS-5020-01, AUGUST
2016. THIS INCLUDES FOR ALL RELEVANT NOTES
PERTAINING TO EACH OF THE DETAILS AS INCLUDED.



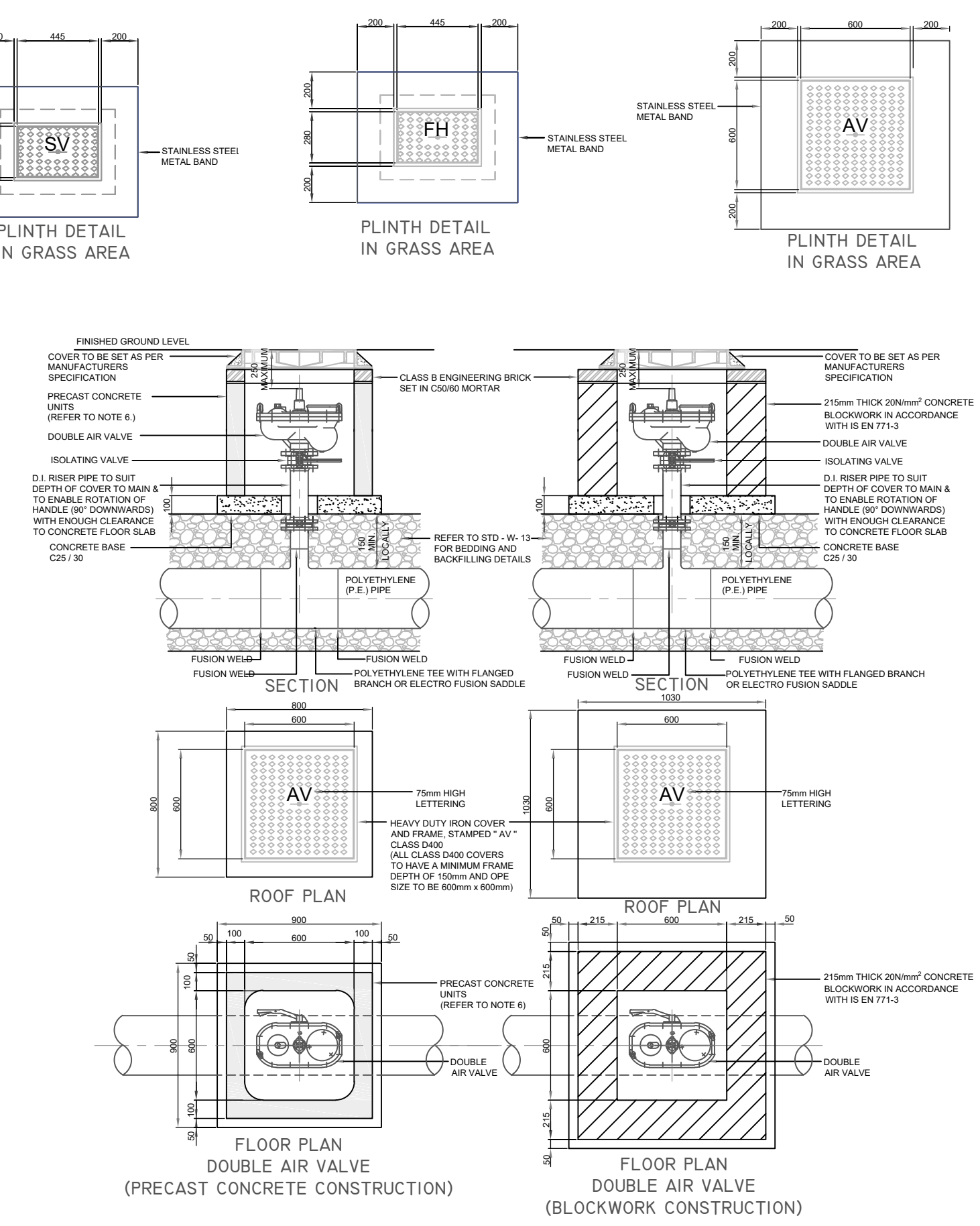
CUSTOMER CONNECTION AND BOUNDARY BOX
(25mm OD PIPE)
DRAWING No.
STD-W-03



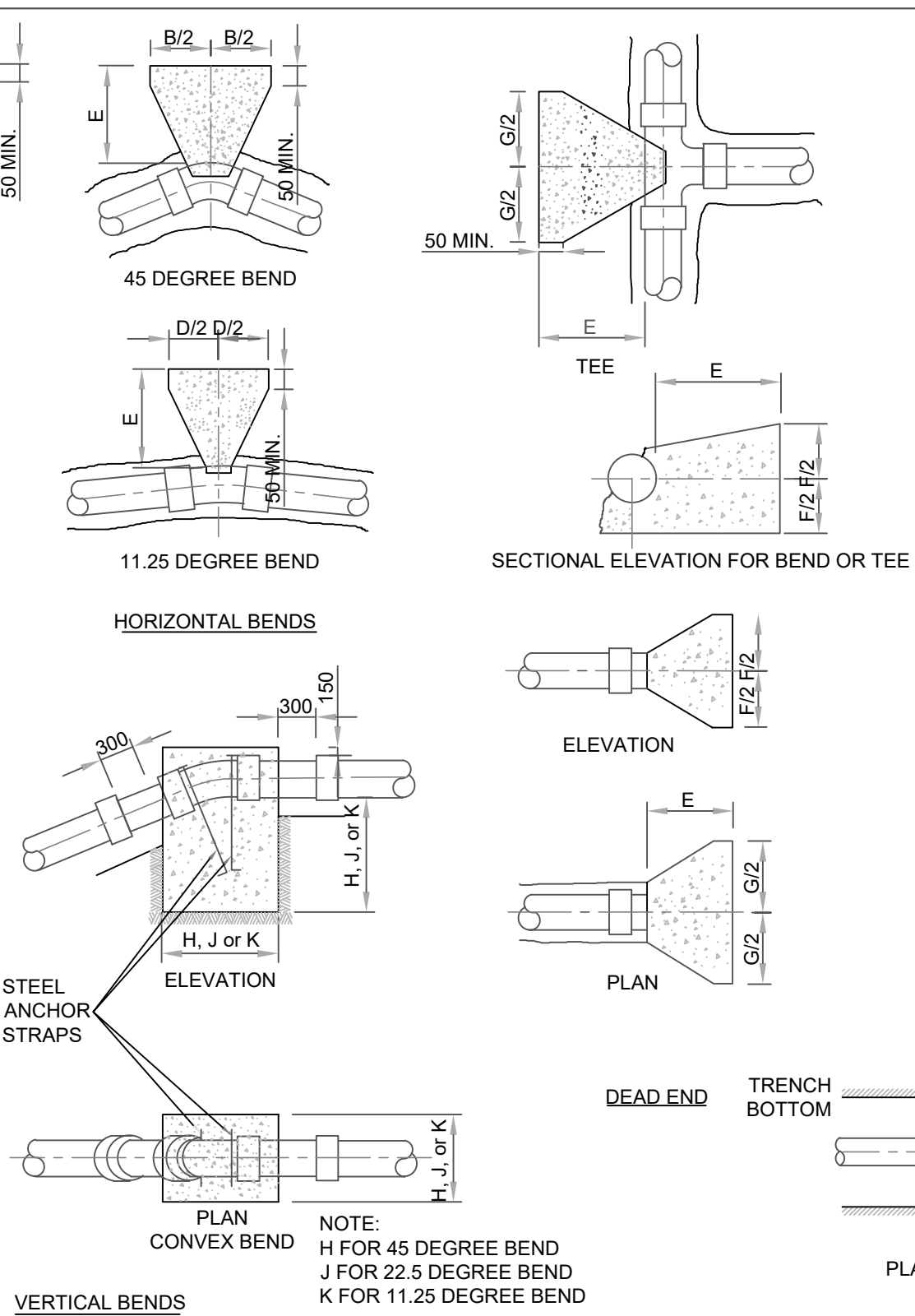
SLUICE VALVE
FOR POLYETHYLENE (P.E.) PIPE (< 350mm DIA.)
DRAWING No.
STD-W-15



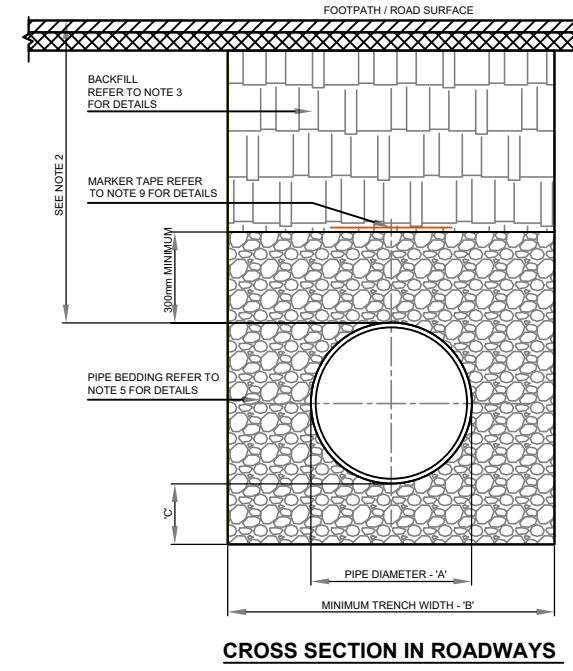
MARKER POSTS / PLATES
DRAWING No.
STD-W-27



ON - LINE AIR VALVE
FOR POLYETHYLENE (P.E.) PIPE
DRAWING No.
STD-W-22

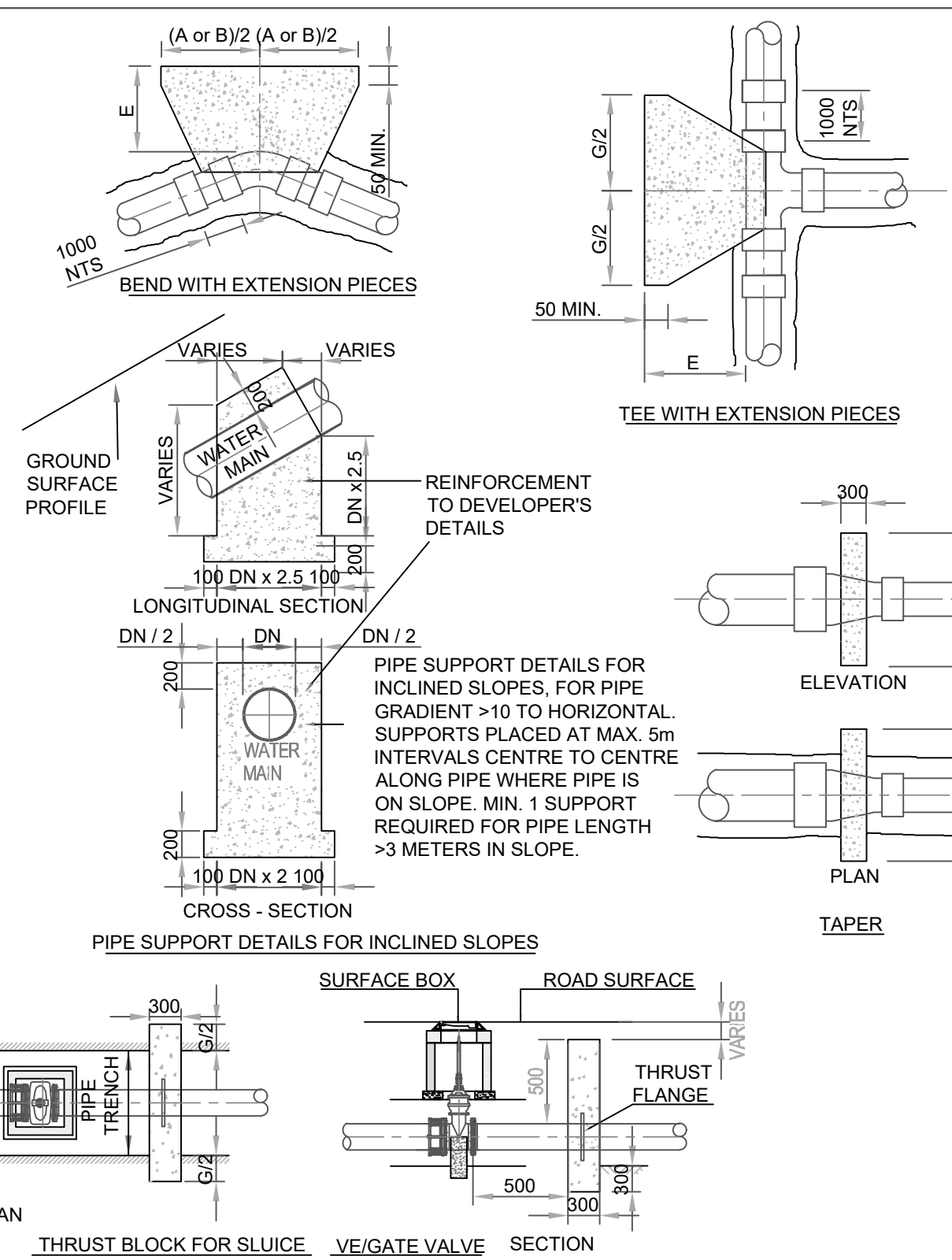


WATER MAIN THRUST AND SUPPORT BLOCKS
DRAWING No.
STD-W-28

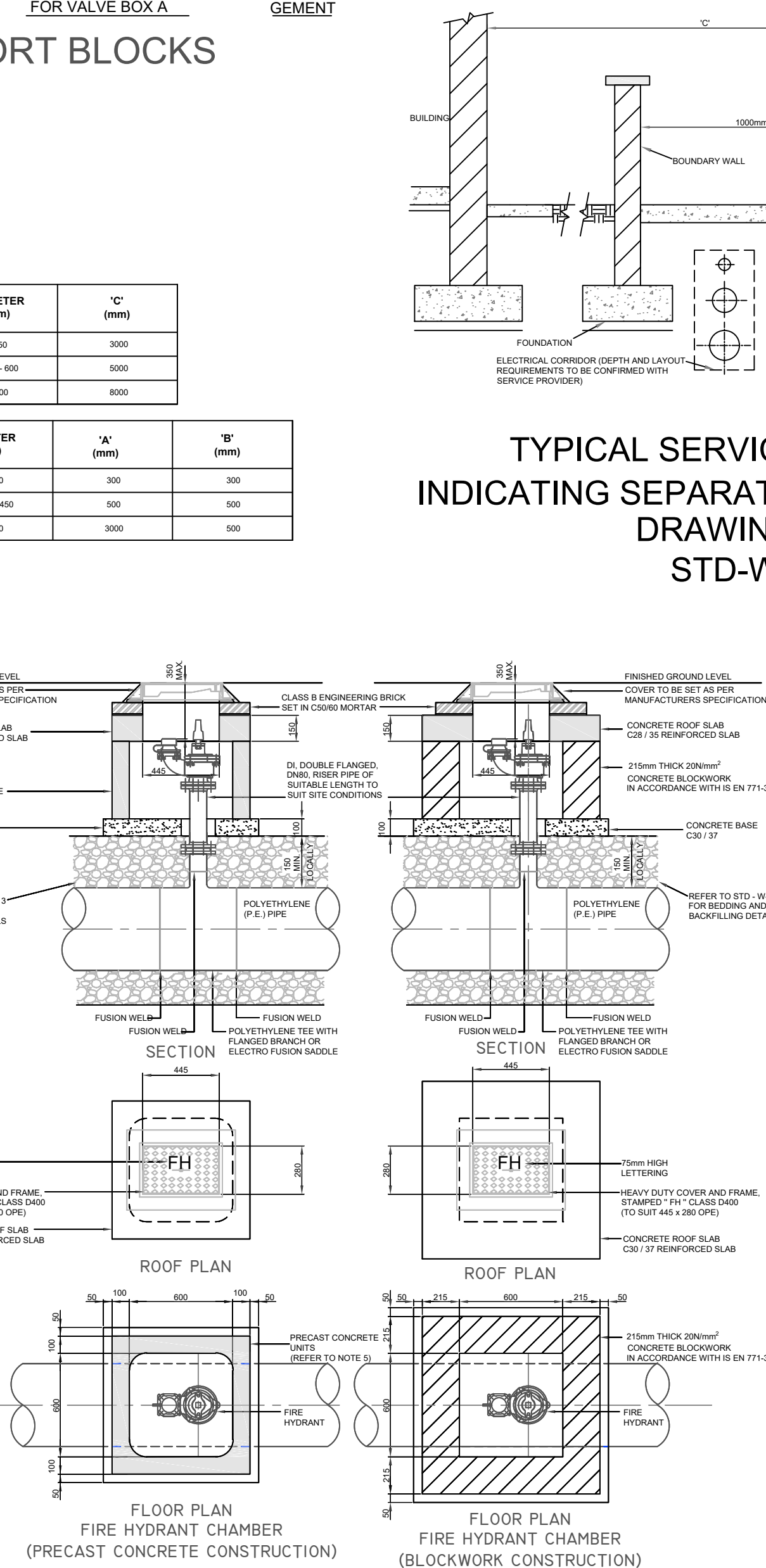


TRENCH BACKFILL AND BEDDING
DRAWING No.
STD-W-13

PIPE DIAMETER 'A' (mm)	TRENCH WIDTH 'B' (mm)
≤80	SEE NOTE 10
100	500
150	600
200	600
250	750
300	750
350	750
400	900
450	900
PIPE DIAMETER 'A' (mm)	DEPTH OF BEDDING 'C' (mm)
< 200	150
> 250	200



TYPICAL SERVICE LAYOUT
INDICATING SEPARATION DISTANCES
DRAWING No.
STD-W-11



ON - LINE HYDRANT
FOR POLYETHYLENE (P.E.) PIPE
DRAWING No.
STD-W-18

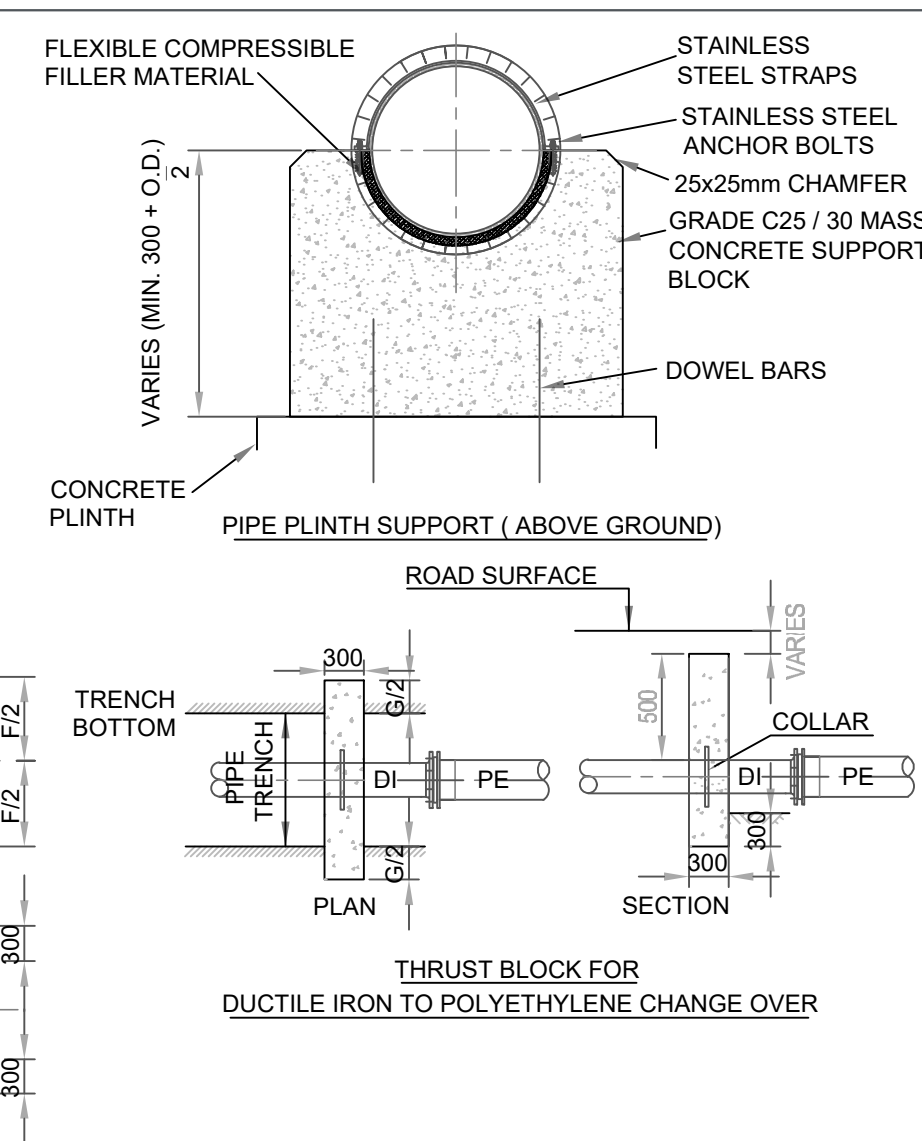


TABLE OF DIMENSIONS FOR STEEPLY INCLINED PIPELINES	
GRADIENT	SPACING
1 IN 2 & STEEPER	5.5m
BELOW 1 IN 2 TO 1 IN 4	11.0m
1 IN 4 TO 1 IN 5	16.6m
1 IN 5 TO 1 IN 6	22.0m

REV	DESCRIPTION	BY	CHK	DATE
1	CLIENT			

Rycroft Homes Ltd.

PROJECT
Lands Adjoining Brayton Park
Kilcock
Co. Kildare

DRAWING TITLE
STANDARD WATER
INFRASTRUCTURE DETAILS

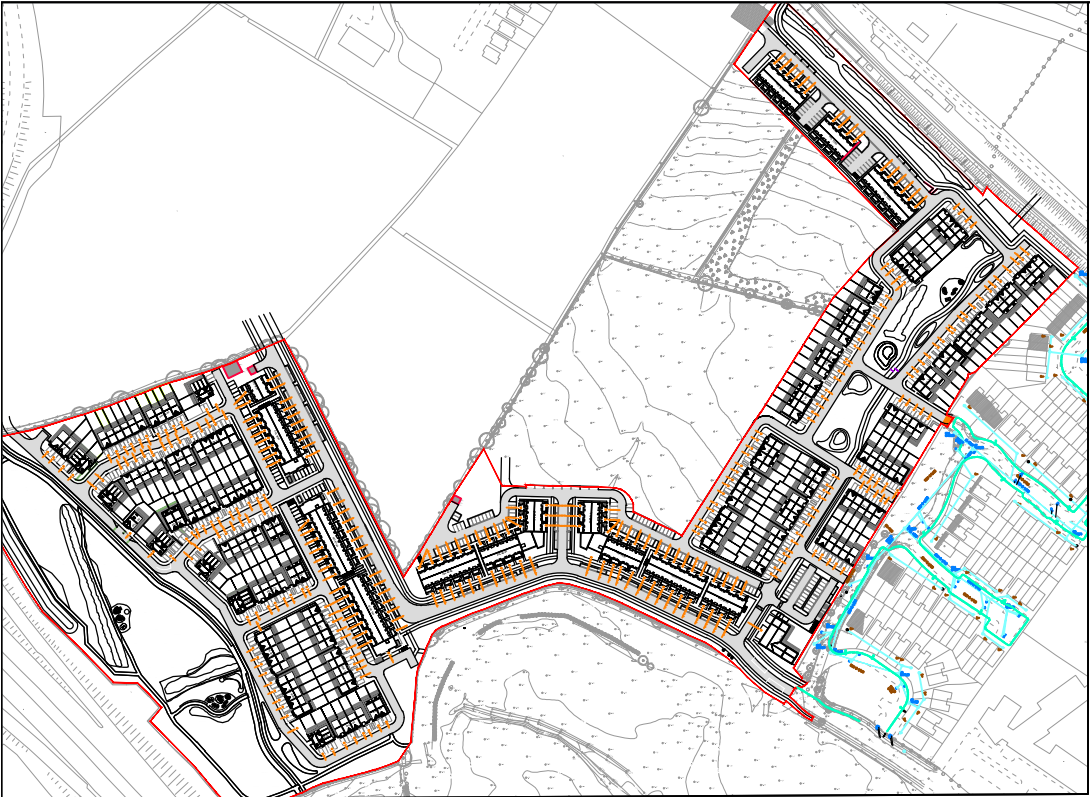
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DRAWING STATUS			
PLANNING			
SCALE NTS	DATE 22.09.18	DRAWN BY KR	CHECKED SJR
DRG NO. P180307-205	REVISION -	SHEET SIZE A1	

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REF: P180307



KEY PLAN
SCALE 1:5000



0 50MM ON A1 DWG. 50				
REV	DESCRIPTION	BY	CHK	DATE
6	LAYOUT UPDATED	AB	SO'R	30.10.19
5	LAYOUT UPDATED	AB	SO'R	12.09.19
4	LEVELS/SERVICES UPDATED	PC	SO'R	06.07.19
3	LEVELS/SERVICES UPDATED	PC	SO'R	15.06.19
2	LEVELS/SERVICES UPDATED	PC	SO'R	15.03.19
1	FINISHED FLOOR LEVELS REVISED	KR	SO'R	11.09.18

CLIENT
RYCROFT HOMES LTD.

PROJECT
LANDS ADJOINING BRAYTON PARK
KILCOCK
CO. KILDARE

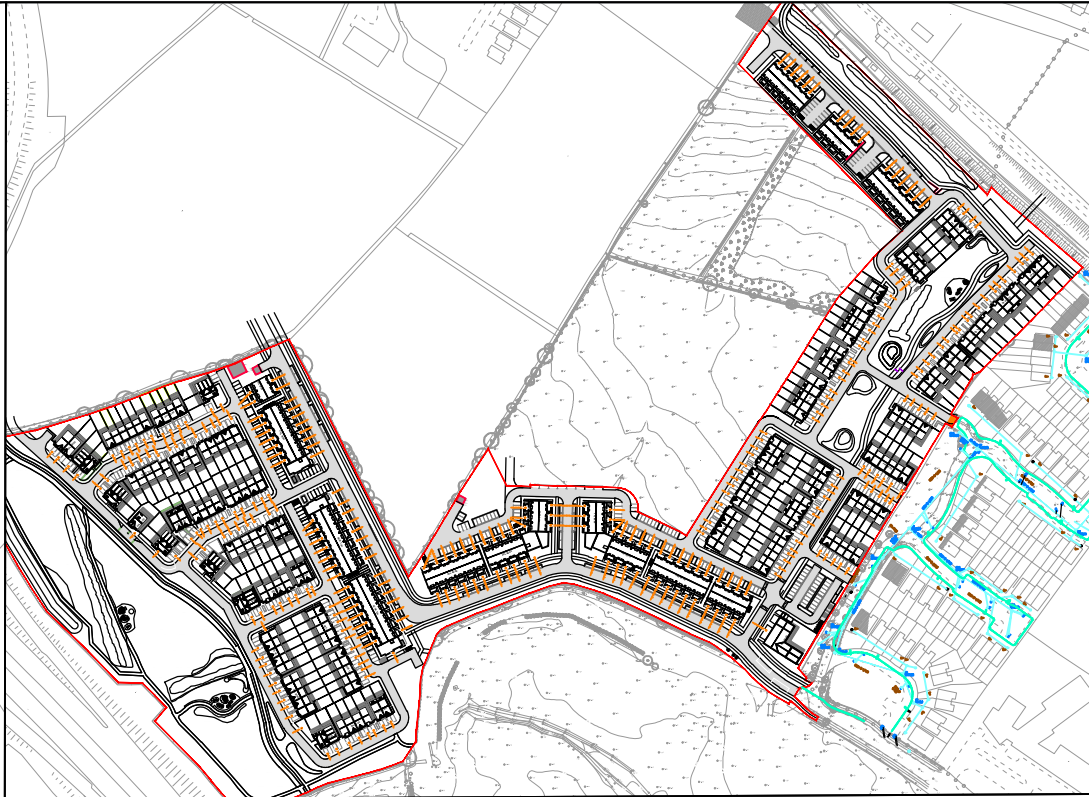
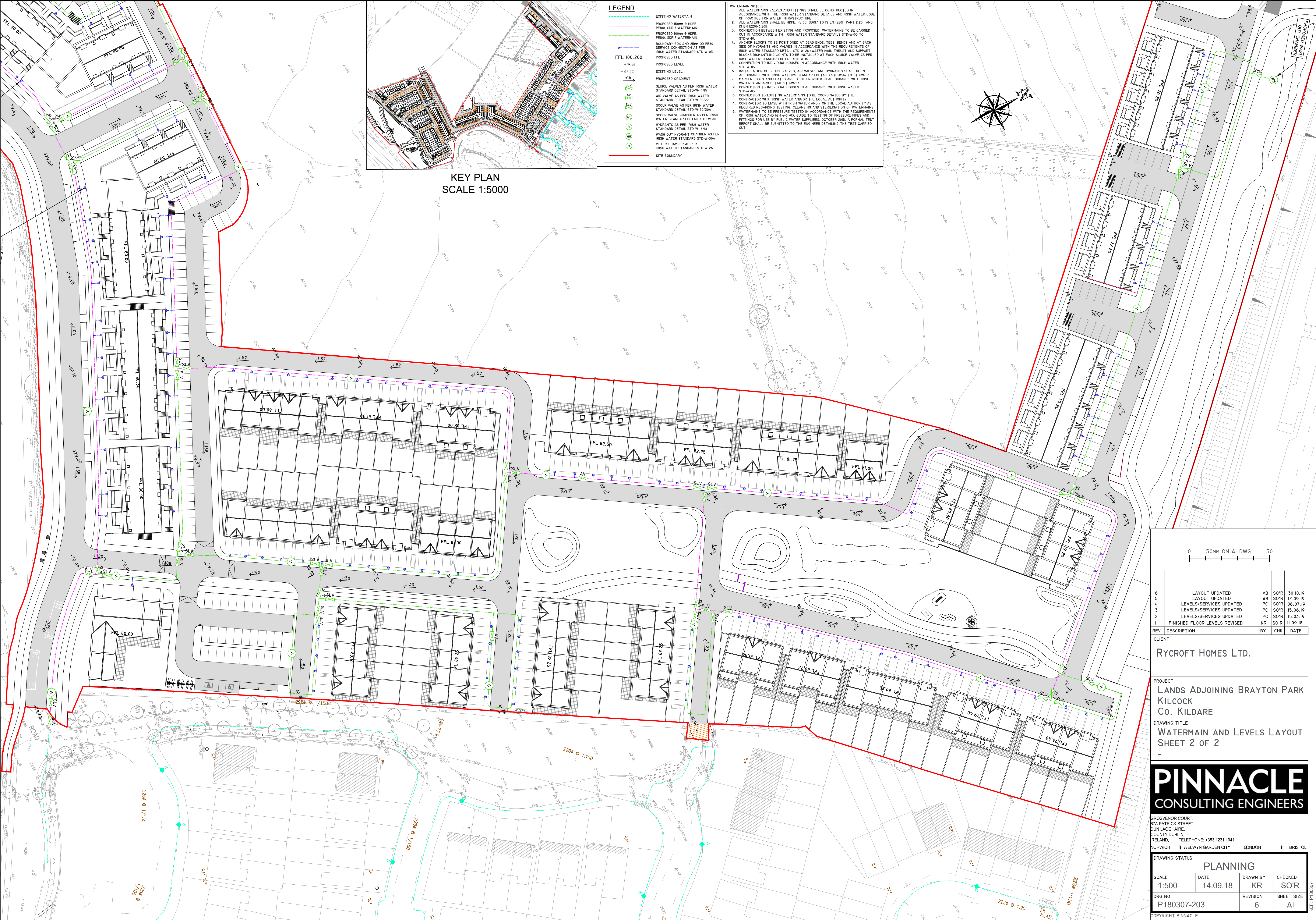
DRAWING TITLE
WATERMAIN AND LEVELS LAYOUT
SHEET 1 OF 2

PINNACLE
CONSULTING ENGINEERS

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NORWICH I WELWYN GARDEN CITY LONDON I BRISTOL

DRAWING STATUS			
PLANNING			
SCALE 1:500	DATE 14.09.18	DRAWN BY KR	CHECKED SO'R
DRG NO. P180307-202	REVISION 6	SHEET SIZE A1	

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KEY PLAN
SCALE 1:5000

LEGEND

----- EXISTING WATERMAIN
----- PROPOSED 150mm Ø HDPE
----- PE100, SDR17 WATERMAIN
----- PROPOSED 100mm Ø HDPE
----- PE100, SDR17 WATERMAIN
----- BOUNDARY BOX AND 25mm Ø DPE80
----- SERVICE CONNECTION AS PER
----- IRISH WATER STANDARD STD-W-03
----- PROPOSED FFL
----- PROPOSED LEVEL
----- EXISTING LEVEL
----- PROPOSED GRADIENT
----- SLV SLV SLV SLV SLV SLV
----- AIR VALVE AS PER IRISH WATER
----- STANDARD DETAIL STD-W-01/5
----- SCOUR VALVE AS PER IRISH WATER
----- STANDARD DETAIL STD-W-30/50A
----- SCOUR VALVE CHAMBER AS PER IRISH
----- WATER STANDARD DETAIL STD-W-30
----- HYDRANTS AS PER IRISH WATER
----- STANDARD DETAIL STD-W-01/5
----- WASH OUT HYDRANT CHAMBER AS PER
----- IRISH WATER STANDARD STD-W-30A
----- METER CHAMBER AS PER
----- IRISH WATER STANDARD STD-W-26
----- SITE BOUNDARY

WATERMAIN NOTES

1. ALL WATERMANS VALVES AND FITTINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAILS AND IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
2. ALL WATERMANS SHALL BE HDPE, PE100, SDR17 TO IS EN 12201 PART 2 20H AND IS EN 12201-3 20H.
3. CONNECTION BETWEEN EXISTING AND PROPOSED WATERMANS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-03 TO STD-W-09.
4. ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER STANDARD DETAIL STD-W-28 (WATER MAIN THRUST AND SUPPORT BLOCKS DISMANTLING JOINTS TO BE INSTALLED AT EACH SLUCE VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-05).
5. CONNECTION TO INDIVIDUAL HOUSES IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-05.
6. INSTALLATION OF SLUCE VALVES, AIR VALVES AND HYDRANTS SHALL BE IN ACCORDANCE WITH IRISH WATER'S STANDARD DETAILS STD-W-01 TO STD-W-25.
7. MARKER POSTS AND PLATES ARE TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-07.
12. CONNECTION TO INDIVIDUAL HOUSES IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-05.
13. CONNECTION TO EXISTING WATERMANS TO BE COORDINATED BY THE CONTRACTOR WITH IRISH WATER AND/OR THE LOCAL AUTHORITY.
14. CONTRACTOR TO LIAISE WITH IRISH WATER AND / OR THE LOCAL AUTHORITY AS REQUIRED REGARDING TESTING, CLEARING AND STERILISATION OF WATERMANS.
15. WATERMANS TO BE PRESSURE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER AND ION 4-0-03. GUIDE TO TESTING OF PRESSURE PIPES AND FITTINGS FOR USE BY PUBLIC WATER SUPPLIERS, OCTOBER 2008. A FORMAL TEST REPORT SHALL BE SUBMITTED TO THE ENGINEER DETAILING THE TEST CARRIED OUT.

0 50MM ON A1 DWG. 50				
6	LAYOUT UPDATED	AB	SO'R	30.10.19
5	LAYOUT UPDATED	AB	SO'R	12.09.19
4	LEVELS/SERVICES UPDATED	PC	SO'R	06.07.19
3	LEVELS/SERVICES UPDATED	PC	SO'R	15.06.19
2	LEVELS/SERVICES UPDATED	PC	SO'R	15.03.19
1	FINISHED FLOOR LEVELS REVISED	KR	SO'R	11.09.18
REV	DESCRIPTION	BY	CHK	DATE

CLIENT
RYCROFT HOMES LTD.

PROJECT
**LANDS ADJOINING BRAYTON PARK
KILCOCK
CO. KILDARE**

DRAWING TITLE
**WATERMAIN AND LEVELS LAYOUT
SHEET 2 OF 2**

PINNACLE
CONSULTING ENGINEERS

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DRAWING STATUS			
PLANNING			
SCALE 1:500	DATE 14.09.18	DRAWN BY KR	CHECKED SO'R
DRG NO. P180307-203	REVISION 6	SHEET SIZE A1	

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