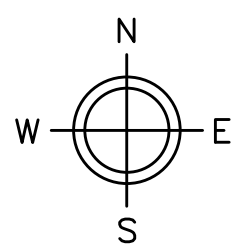
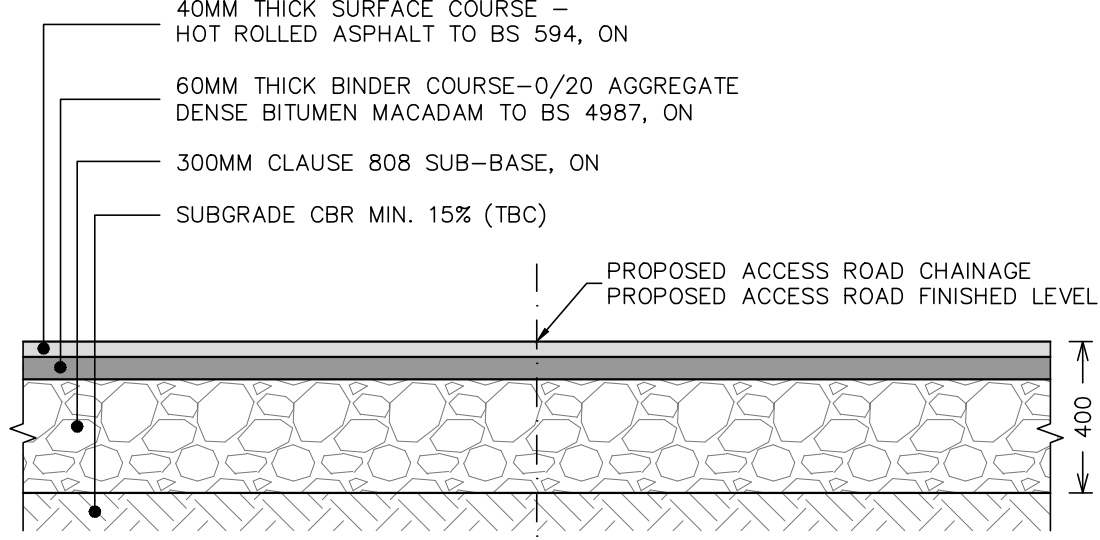


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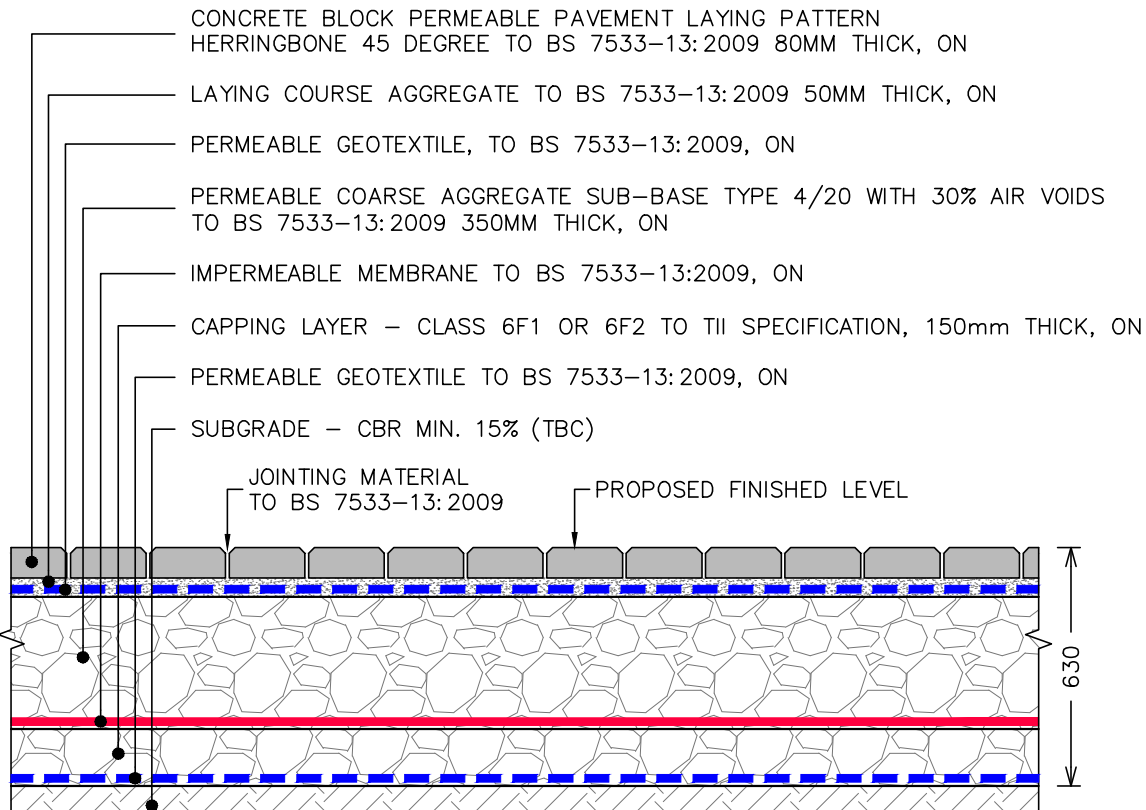


PROPOSED SITE LAYOUT PLAN
SCALE: 1:500

- PROPOSED ACCESS ROAD CHAINAGE
- PROPOSED ACCESS ROAD FINISHED LEVEL
- PROPOSED FINISHED LEVEL
- PROPOSED HOT ROLLED ASPHALT
SEE DRAWING C001 DETAIL 'A'
- PROPOSED PERMEABLE PAVEMENT SYSTEM C -
NO INFILTRATION SEE DRAWING C001 DETAIL 'B'



DETAIL 'A'
PROPOSED HOT ROLLED ASPHALT
SCALE: 1:20



DETAIL 'B'
PROPOSED PERMEABLE PAVEMENT
SYSTEM C - NO INFILTRATION
SCALE: 1:20

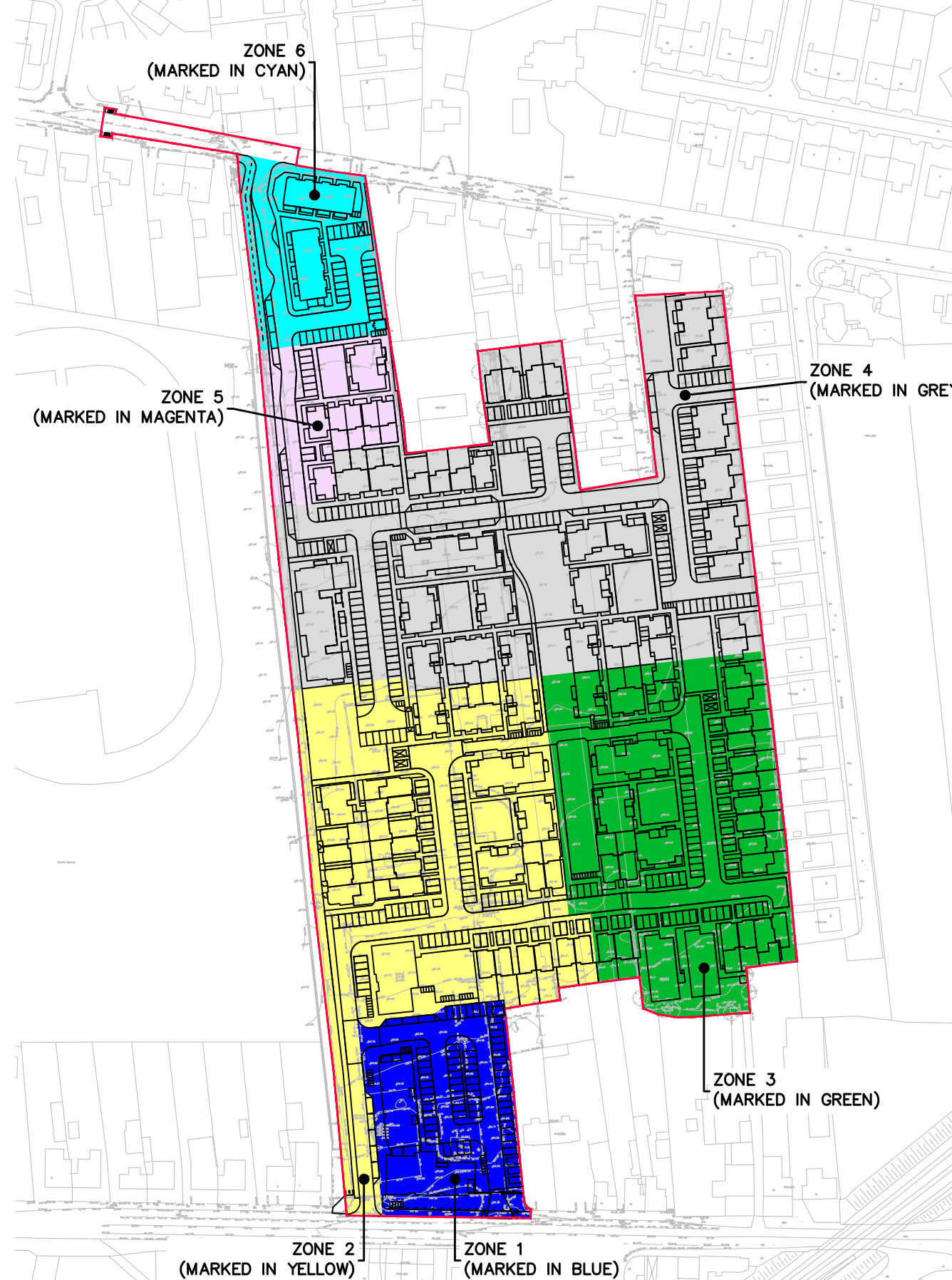
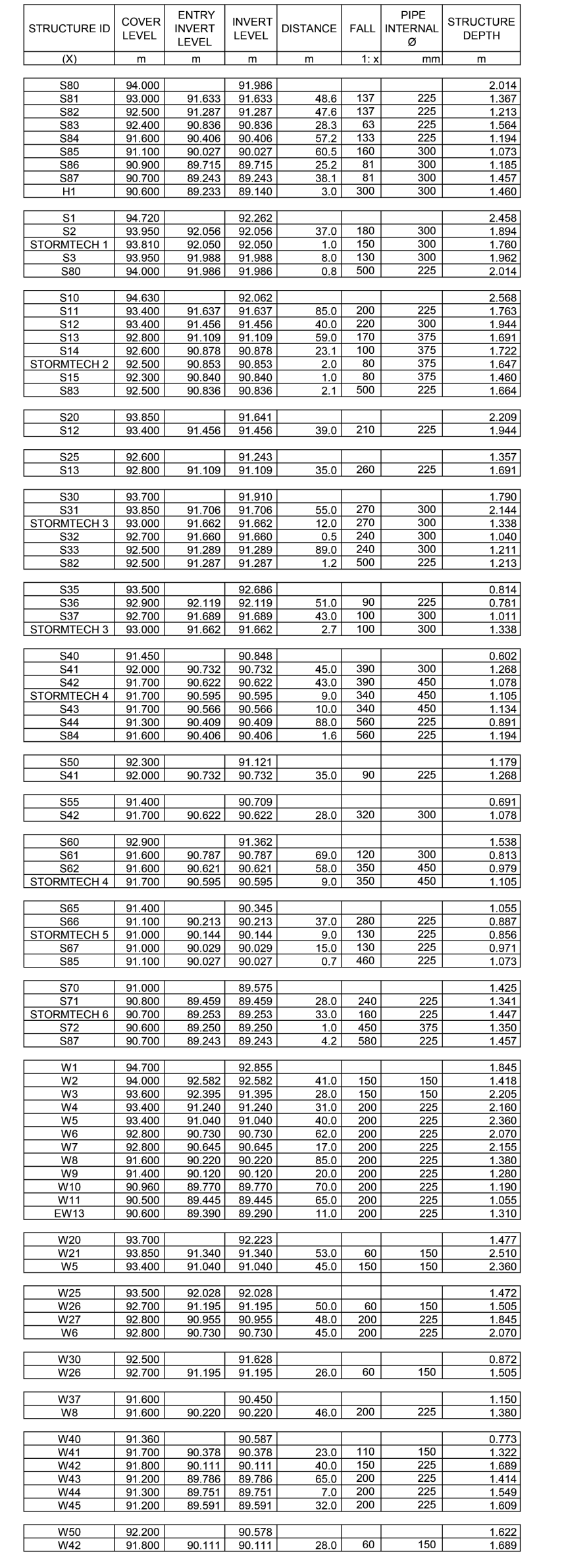
B	WP	ADD	JG	ISSUED FOR PLANNING	10.12.2025
A	WP	ADD	JG	ISSUED FOR APPROVAL TO IW	20.10.2025
-	WP	ADD	JG	ISSUED FOR PLANNING	14.09.2025
Rev	Drawn	Check	Appr	Revised	Date
PLANNING					
Forest Park, Mullingar, Co. Westmeath. Tel: 044-9347338 / 9347341 Fax: 044-9347400 Email: info@jagorman.ie Web: www.jagorman.ie					
CLIENT					

CENTREPOINT PARTNERS
CENTREPOINT LTD. DEVELOPMENT AT HARPUR'S LANE AND MOUNTRATH ROAD, MARYBOROUGH, PORTLAOISE, CO. LAOIS

Drawing Title:

PROPOSED SITE LAYOUT PLAN

PLOT SIZE: A0	PLOT SCALE: AS NOTED	DRAWN BY: WP
PROJECT No: 3553	DRAWING No: P3553-C001	REV: B



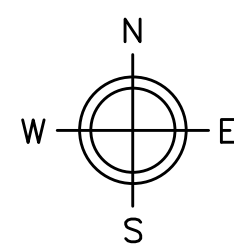
SCHEMATIC DIAGRAM SHOWING STORM
WATER CATCHMENTS AREAS
SCALE: 1:2000

- | | | | | | |
|-----|--------|------|------|---------------------------|------------|
| B | WIP | ADD | JG | ISSUED FOR PLANNING | 10.12.2013 |
| A | WIP | ADD | JG | ISSUED FOR APPROVAL TO IW | 20.10.2012 |
| B | WIP | ADD | JG | ISSUED FOR APPROVAL TO IW | 20.10.2012 |
| Rev | Client | Desc | Appr | Issued for | Date |
- PLANNING**
- 

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- CLIENT: _____
- CENTREPOINT PARTNERS**
- PROJECT TITLE: _____
- CENTREPOINT LTD. DEVELOPMENT AT
HARPUR'S LANE AND MOUNTRATH ROAD,
MARYBOROUGH, PORTLAISIE, CO. LAOIS**
- DRAWING TITLE: _____
- PROPOSED STORM WATER
AND WASTEWATER LAYOUT PLAN**
- | | | |
|----------------------------|--------------------------------------|------------------------|
| PLOT SIZE:
A0 | PLOT SCALE:
AS NOTED | DRAWN BY:
JB |
| PROJECT NO:
555C | DRAWING NO:
BPSC/555C/0012 | REV:
B |

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PROPOSED WATER MAIN LAYOUT PLAN
SCALE: 1:500

- EXISTING WATER MAIN PIPE
- PROPOSED 150 ID (INTERNAL DIAMETER) DUCTILE IRON WATER MAIN PIPE FOR DETAILS PLEASE REFER TO DRAWING C011 STD-W-13
- PROPOSED 100 ID (INTERNAL DIAMETER) DUCTILE IRON WATER MAIN PIPE FOR DETAILS PLEASE REFER TO DRAWING C011 STD-W-13
- PROPOSED CUSTOMER CONNECTION AND BOUNDARY BOX (25MM OD PIPE) FOR DETAILS PLEASE REFER TO DRAWING C011 STD-W-13
- Ⓜ PROPOSED FIRE HYDRANT FOR DETAILS PLEASE REFER TO DRAWING C012 STD-W-16
- Ⓢ PROPOSED SLUICE VALVE FOR DETAILS PLEASE REFER TO DRAWING C012 STD-W-14
- Ⓐ PROPOSED AIR VALVE FOR DETAILS PLEASE REFER TO DRAWING C013 STD-W-20
- Ⓢ PROPOSED SCOUR VALVE FOR DETAILS PLEASE REFER TO DRAWING C013 STD-W-30
- Ⓜ PROPOSED BULK WATER METER AND ASSOCIATED TELEMTRY SYSTEM

- IRISH WATER CONFIRMATION OF FEASIBILITY:
REF: C0524010219 PRE-CONNECTION ENQUIRY
CENTREPOINT, N80, MCINTIMELLOCK ROAD, PORTLOOSE, CO. LAOS
FOR DETAILS PLEASE REFER TO CIVIL ENGINEERING REPORT
- ALL WATER INFRASTRUCTURE SHALL COMPLY (SHALL BE DESIGNED, CONSTRUCTED AND TESTED) WITH THE CURRENT IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE AND WITH THE ASSOCIATED STANDARD DETAILS

B	WP	ADD	JG	ISSUED FOR PLANNING	10.12.2025
A	WP	ADD	JG	ISSUED FOR APPROVAL TO IW	20.10.2025
I	WP	ADD	JG	ISSUED FOR PLANNING	14.09.2025
Rev	Drawn	Chk	Appr	Issued	Date

PLANNING

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CLIENT

CENTREPOINT PARTNERS

PROJECT TITLE:

**CENTREPOINT LRD. DEVELOPMENT AT
HARPUR'S LANE AND MOUNTRATH ROAD,
MARYBOROUGH, PORTLOOSE, CO. LAOS**

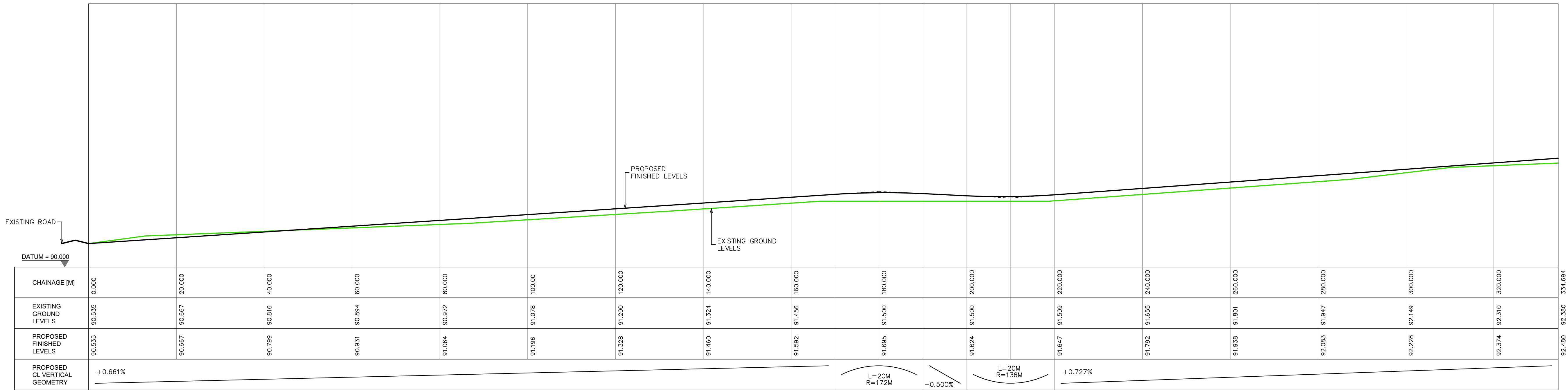
DRAWING TITLE:

**PROPOSED WATER MAIN
LAYOUT PLAN**

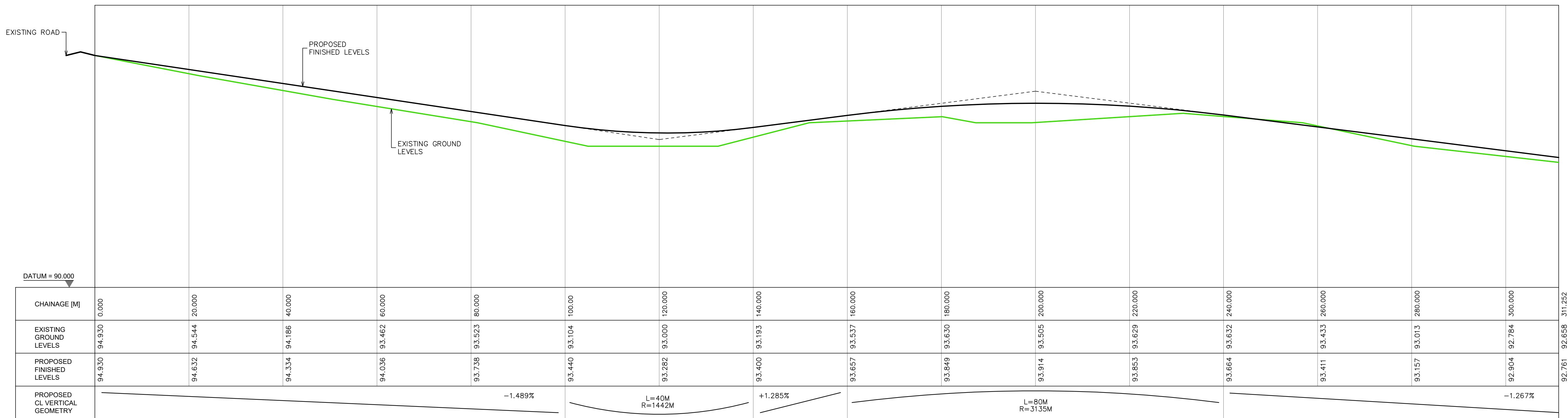
PLLOT SIZE: A0	PLLOT SCALE: 1:500	DRAWN BY: WP
PROJECT No: 3553	DRAWING No: F3553-C003	REV: B

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PROPOSED ACCESS ROAD 1
LONGITUDINAL SECTION
SCALE: HORIZONTAL 1:500 / VERTICAL 1:50



PROPOSED ACCESS ROAD 2
LONGITUDINAL SECTION
SCALE: HORIZONTAL 1:500 / VERTICAL 1:50

B	WP	AOD	JG	ISSUED FOR PLANNING	10.12.2025
A	WP	AOD	JG	ISSUED FOR APPROVAL TO IW	20.10.2025
-	WP	AOD	JG	ISSUED FOR PLANNING	14.05.2025

Rev	Drawn	Chkd	Appd	Description	Date
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consulting engineers
project managers

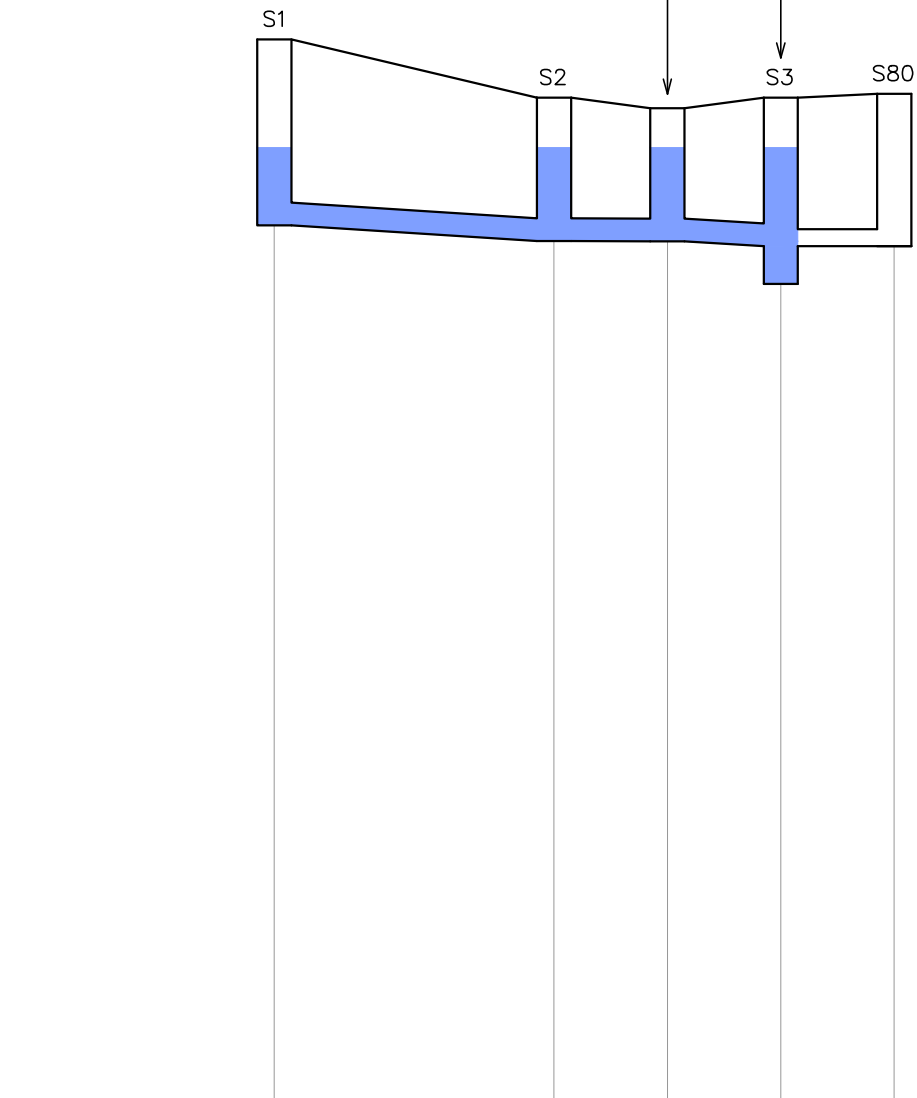
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CLIENT: CENTREPOINT PARTNERS		
PROJECT TITLE: CENTREPOINT LRD. DEVELOPMENT AT HARPUR'S LANE AND MOUNTRATH ROAD, MARYBOROUGH, PORTLAOISE, CO. LAOIS		
DRAWING TITLE: PROPOSED ACCESS ROAD 1 AND 2 LONGITUDINAL SECTIONS		
PLOT SIZE: A1	PLOT SCALE: 1:500 / 50	DRAWN BY: WP
PROJECT No: 3553	DRAWING No: P3553-C004	REV: B
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PROPOSED FINAL STORM WATER MANHOLE WITH HYDROBRAKE AND PENSTOCK VALVE AND PULL CORD BYPASS. MAXIMUM DISCHARGE = 4.7 L/S

PROPOSED STORMTECH NO. 1 (OR SIMILAR APPROVED) STORM WATER MANAGEMENT SYSTEM – SYSTEM C – NO INFILTRATION. SYSTEM DESIGNED FOR 100 YEAR STORM + 20% INCREASE IN RAINFALL DEPTH (FOR CLIMATE CHANGE) AND + 10% ADDITIONAL STORAGE TO FACILITATE URBAN CREEP FOR THE DEVELOPMENT. TOTAL STORM WATER STORAGE PROVIDED = 145M³ WITH MAX WATER LEVEL = 93.290M AND EFFECTIVE DEPTH = 1.240M. SYSTEM NOT FOR TAKING IN CHARGE.

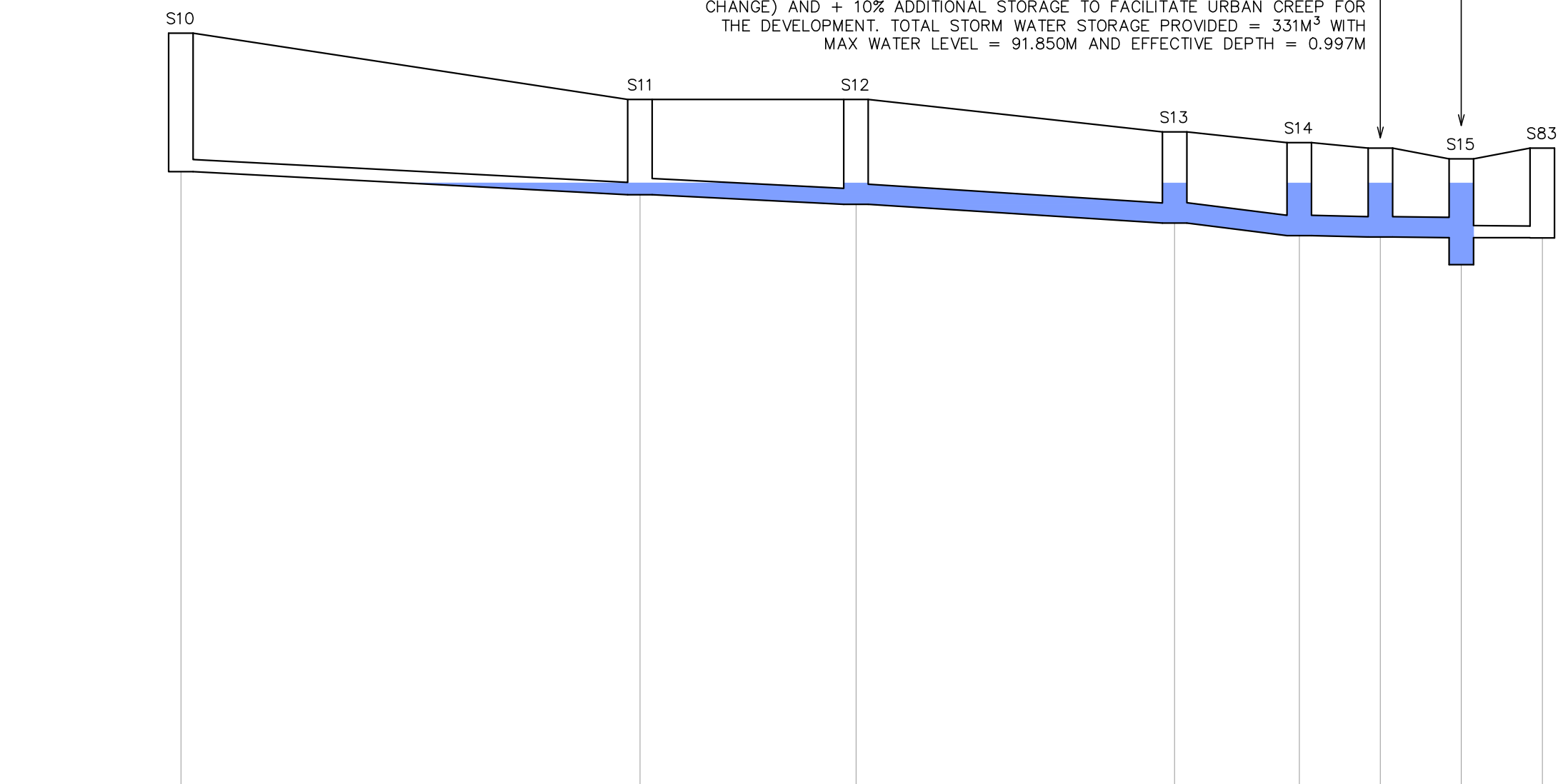


DISTANCE	37.0 NTS	1.0 NTS	8.0 NTS	0.8 NTS
COVER LEVEL	94.720	93.950	93.810	93.950
INVERT LEVEL	92.262	92.056	92.050	91.986
PIPE SIZE, AND GRADIENT	300# UPVC @ 1:180	300# UPVC @ 1:150	300# UPVC @ 1:130	225# UPVC @ 1:500

LONGITUDINAL SECTION S1 TO S80
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100

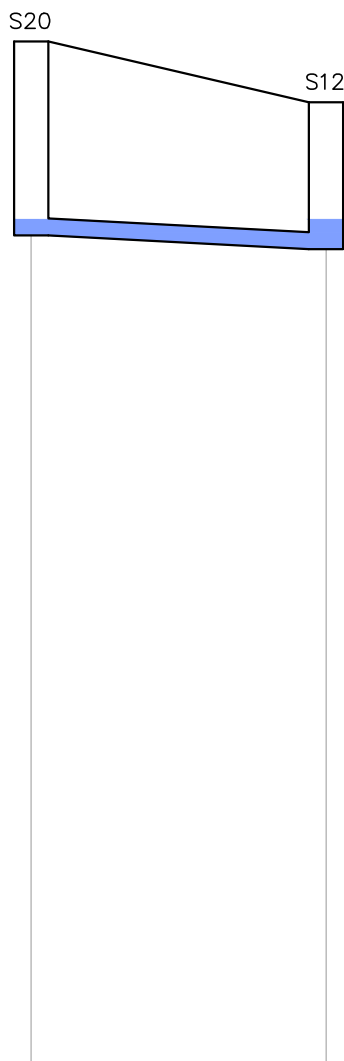
PROPOSED FINAL STORM WATER MANHOLE WITH HYDROBRAKE AND PENSTOCK VALVE AND PULL CORD BYPASS. MAXIMUM DISCHARGE = 14.2 L/S

PROPOSED STORMTECH NO. 2 (OR SIMILAR APPROVED) STORM WATER MANAGEMENT SYSTEM – SYSTEM C – NO INFILTRATION. SYSTEM DESIGNED FOR 100 YEAR STORM + 20% INCREASE IN RAINFALL DEPTH (FOR CLIMATE CHANGE) AND + 10% ADDITIONAL STORAGE TO FACILITATE URBAN CREEP FOR THE DEVELOPMENT. TOTAL STORM WATER STORAGE PROVIDED = 331M³ WITH MAX WATER LEVEL = 91.850M AND EFFECTIVE DEPTH = 0.997M



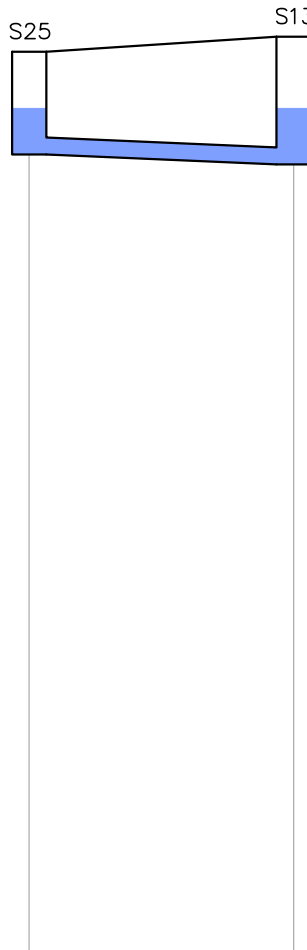
DISTANCE	85.0	40.0	59.0	23.1	2.0 NTS	1.0 NTS	2.1 NTS
COVER LEVEL	94.630	93.400	93.400	92.800	92.600	92.500	92.300
INVERT LEVEL	92.062	91.637	91.456	91.109	90.878	90.853	90.840
PIPE SIZE, AND GRADIENT	225# UPVC @ 1:200	300# UPVC @ 1:220	375# UPVC @ 1:170	375# UPVC @ 1:100	375# UPVC @ 1:80	375# UPVC @ 1:80	225# UPVC @ 1:500

LONGITUDINAL SECTION S10 TO S83
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100



DISTANCE	39.0
COVER LEVEL	93.850
INVERT LEVEL	91.641
PIPE SIZE, AND GRADIENT	225# UPVC @ 1:210

LONGITUDINAL SECTION S20 TO S12
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100

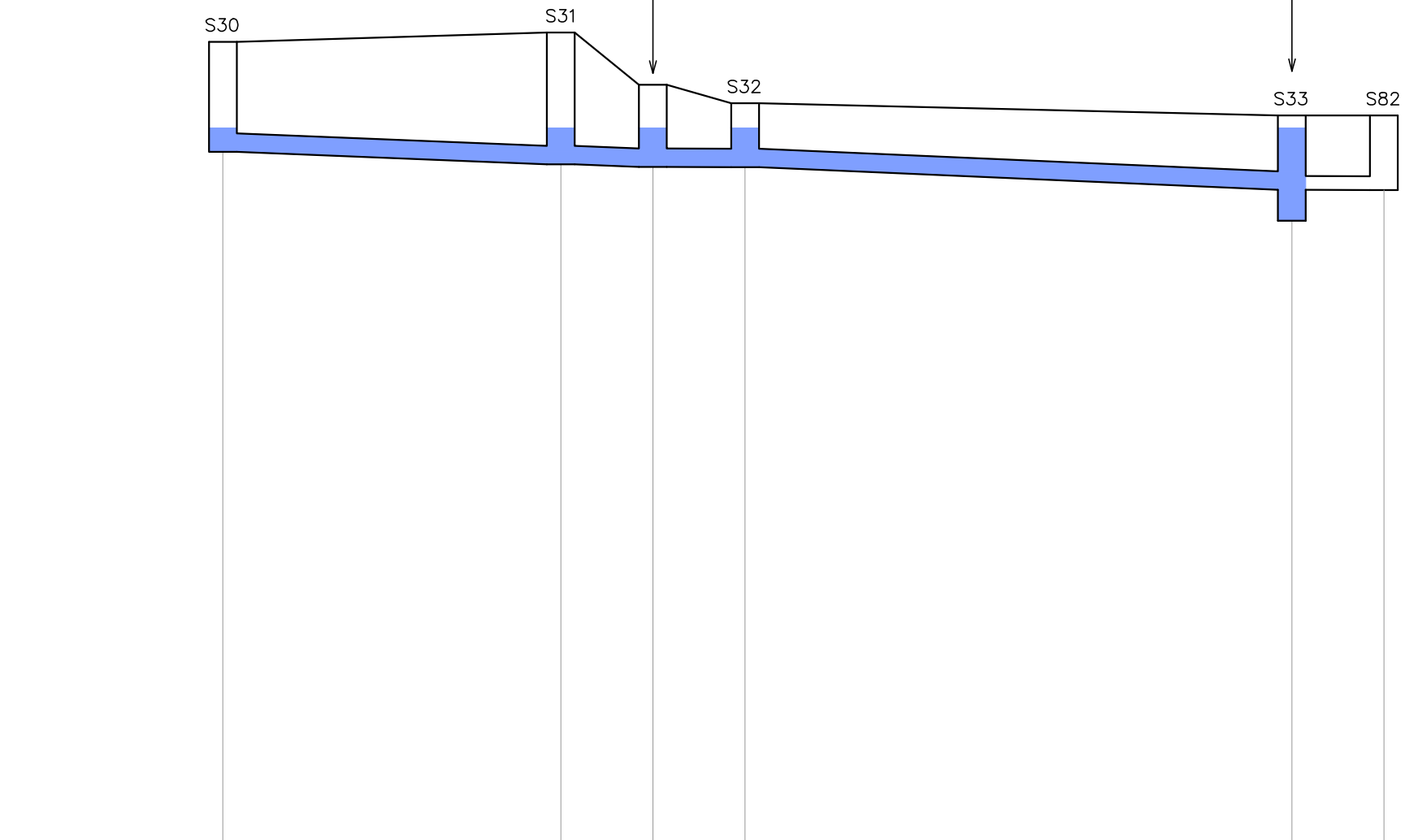


DISTANCE	35.0
COVER LEVEL	92.600
INVERT LEVEL	91.243
PIPE SIZE, AND GRADIENT	225# UPVC @ 1:260

LONGITUDINAL SECTION S25 TO S13
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100

PROPOSED FINAL STORM WATER MANHOLE WITH HYDROBRAKE AND PENSTOCK VALVE AND PULL CORD BYPASS. MAXIMUM DISCHARGE = 11.4 L/S

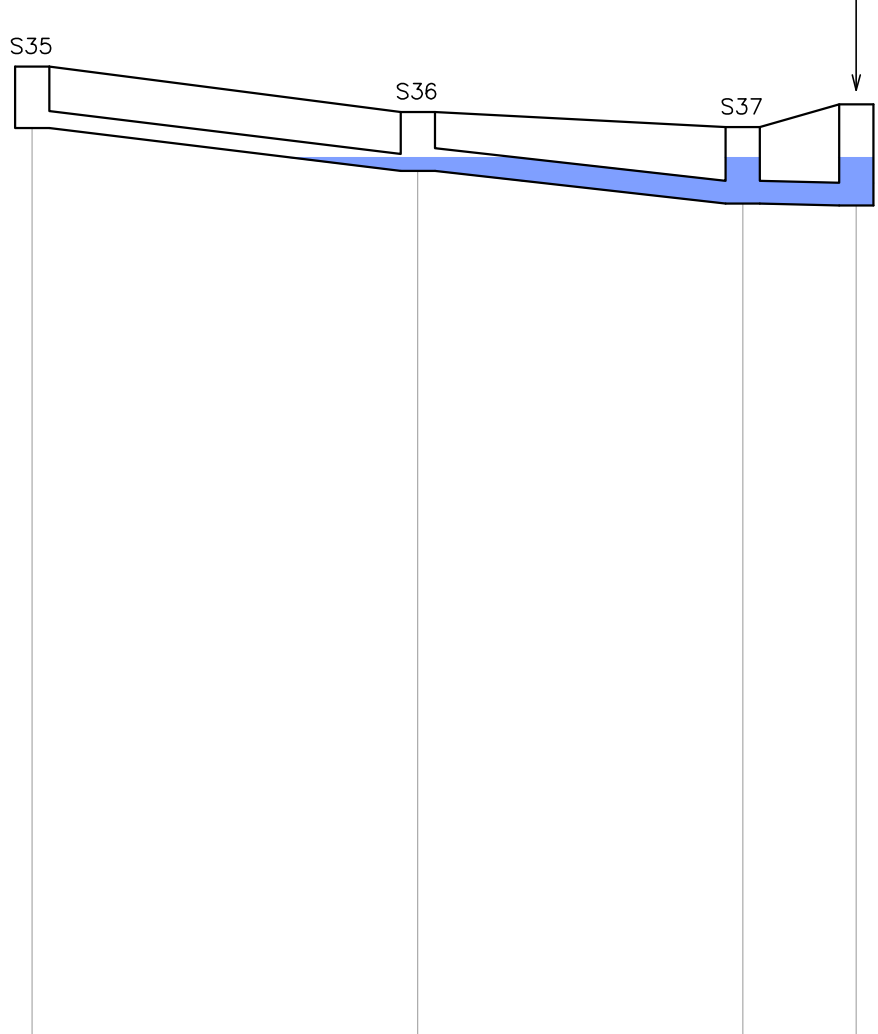
PROPOSED STORMTECH NO. 3 (OR SIMILAR APPROVED) STORM WATER MANAGEMENT SYSTEM – SYSTEM C – NO INFILTRATION. SYSTEM DESIGNED FOR 100 YEAR STORM + 20% INCREASE IN RAINFALL DEPTH (FOR CLIMATE CHANGE) AND + 10% ADDITIONAL STORAGE TO FACILITATE URBAN CREEP FOR THE DEVELOPMENT. TOTAL STORM WATER STORAGE PROVIDED = 243M³ WITH MAX WATER LEVEL = 92.300M AND EFFECTIVE DEPTH = 0.638M



DISTANCE	55.0	12.0 NTS	0.5 NTS	89.0	1.2 NTS
COVER LEVEL	93.700	93.850	93.000	92.700	92.500
INVERT LEVEL	91.910	91.706	91.662	91.660	91.289
PIPE SIZE, AND GRADIENT	300# UPVC @ 1:270	300 UPVC @ 1:270	300# UPVC @ 1:240	300# UPVC @ 1:240	225# UPVC @ 1:500

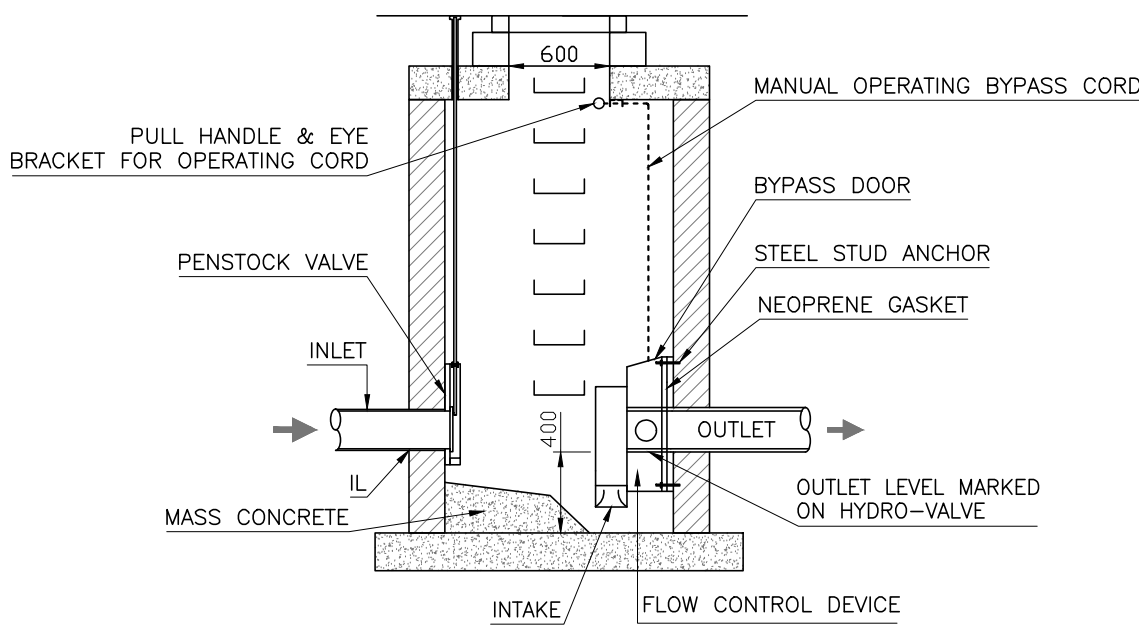
LONGITUDINAL SECTION S30 TO S82
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100

PROPOSED STORMTECH NO. 3 (OR SIMILAR APPROVED) STORM WATER MANAGEMENT SYSTEM – SYSTEM C – NO INFILTRATION. SYSTEM DESIGNED FOR 100 YEAR STORM + 20% INCREASE IN RAINFALL DEPTH (FOR CLIMATE CHANGE) AND + 10% ADDITIONAL STORAGE TO FACILITATE URBAN CREEP FOR THE DEVELOPMENT. TOTAL STORM WATER STORAGE PROVIDED = 243M³ WITH MAX WATER LEVEL = 92.300M AND EFFECTIVE DEPTH = 0.638M



DISTANCE	51.0	43.0	2.7 NTS
COVER LEVEL	93.500	92.900	92.700
INVERT LEVEL	92.686	92.119	91.689
PIPE SIZE, AND GRADIENT	225# UPVC @ 1:90	300# UPVC @ 1:100	300# UPVC @ 1:100

LONGITUDINAL SECTION S35 TO STORMTECH NO. 3
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100



DETAIL 'A'
PROPOSED FINAL STORM WATER MANHOLE
WITH HYDROBRAKE AND PENSTOCK VALVE
AND PULL CORD BYPASS
SCALE: NTS

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Rev	Drawn	Chkd	Appd	Description	Date



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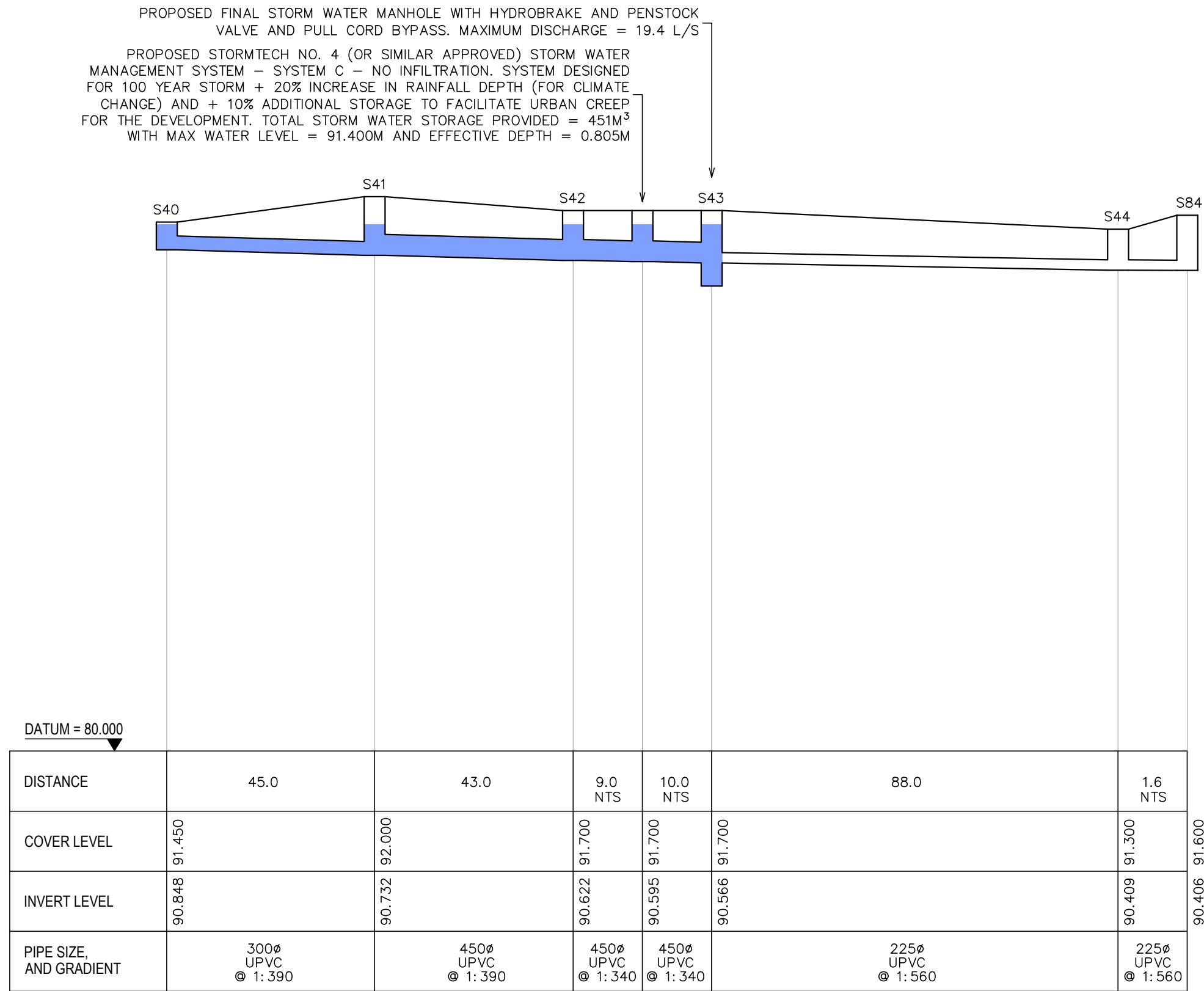
CLIENT: CENTREPOINT PARTNERS

PROJECT TITLE: CENTREPOINT LRD. DEVELOPMENT AT HARPUR'S LANE AND MOUNTRATH ROAD, MARYBOROUGH, PORTLAOISE, CO. LAOIS

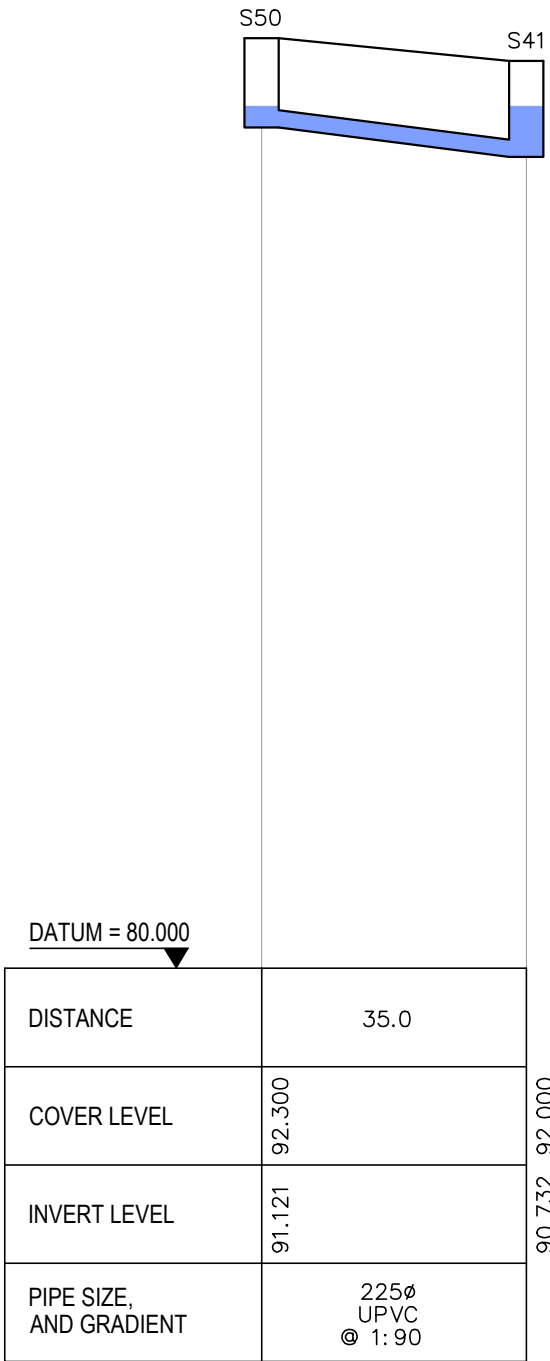
DRAWING TITLE: STORM WATER AND WASTEWATER DETAILS SHEET 1 OF 6

PLOT SIZE: A1	PLOT SCALE: AS NOTED	DRAWN BY: WP
PROJECT No: 3553	DRAWING No: P3553-C005	REV: B

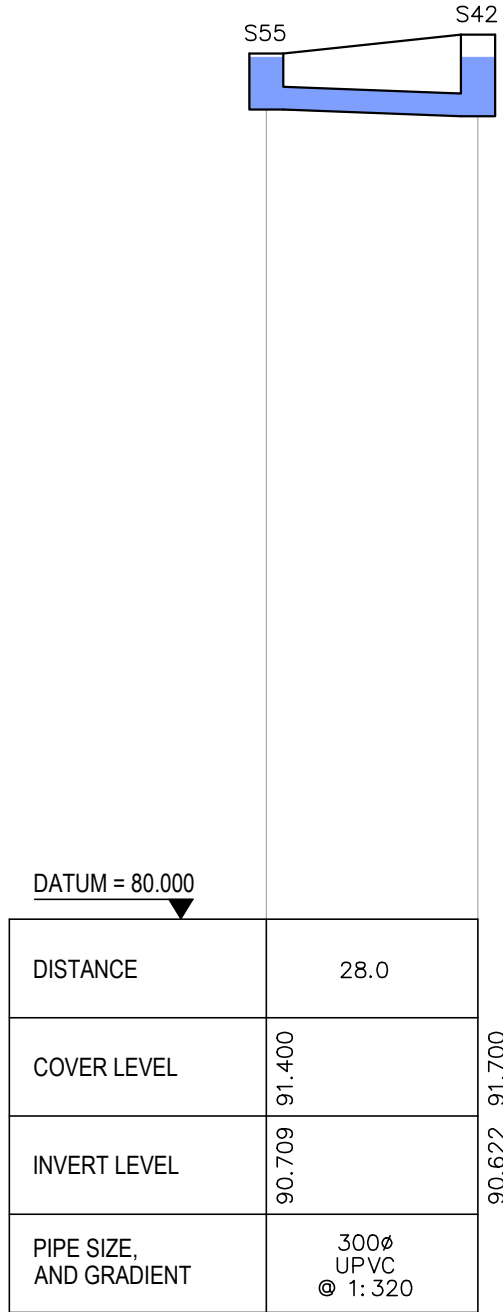
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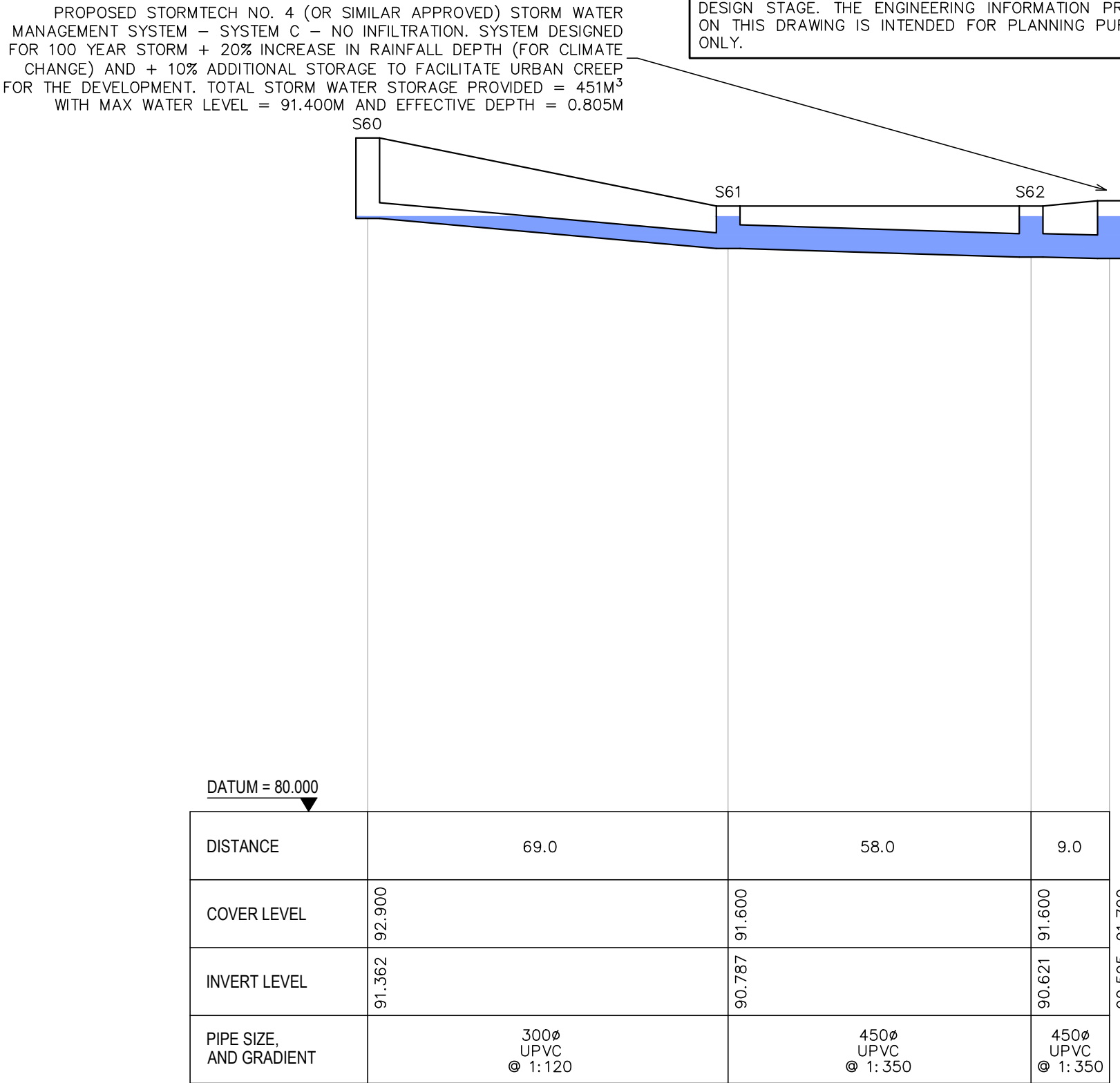
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SCALE: HORIZONTAL 1:1000
VERTICAL 1:100



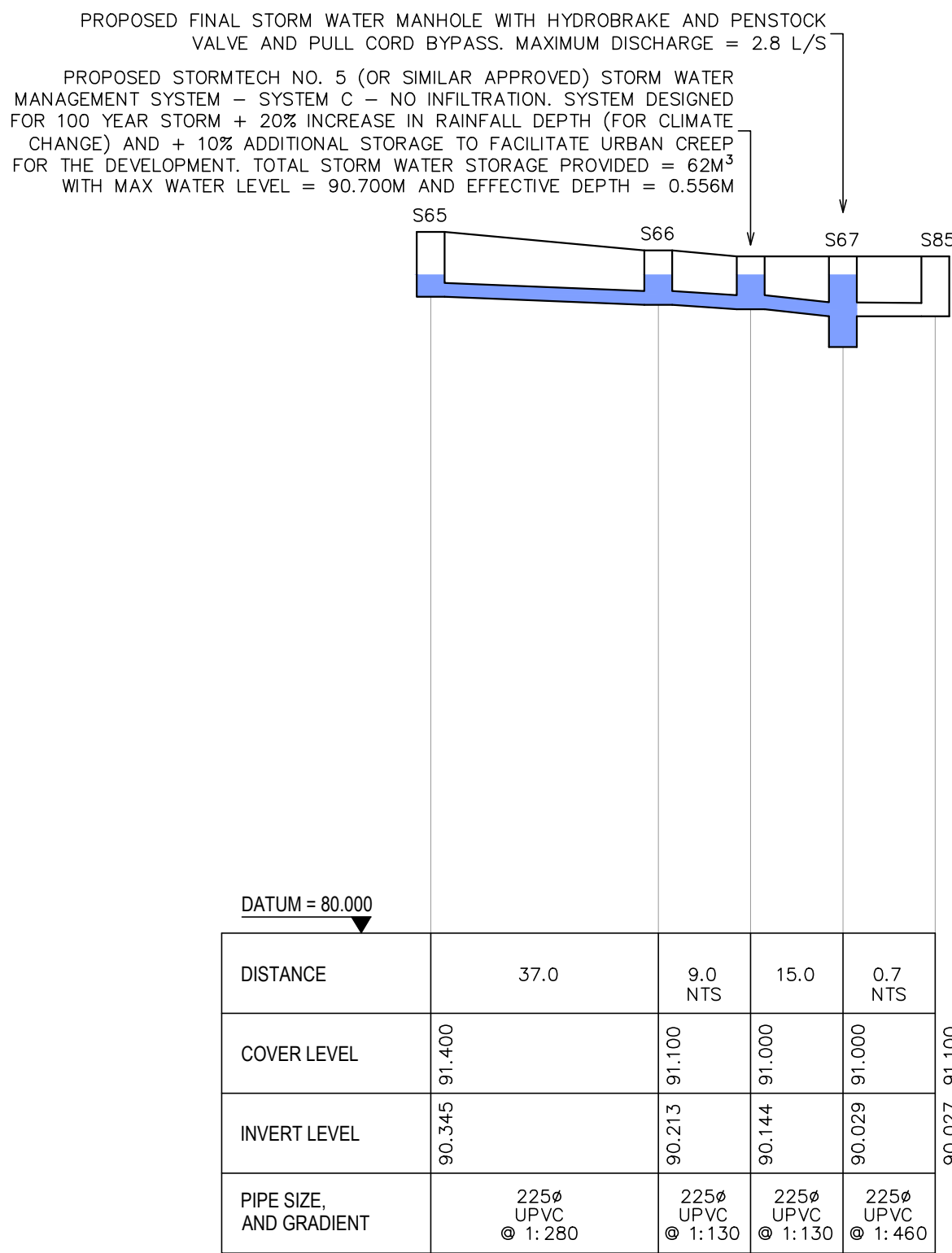
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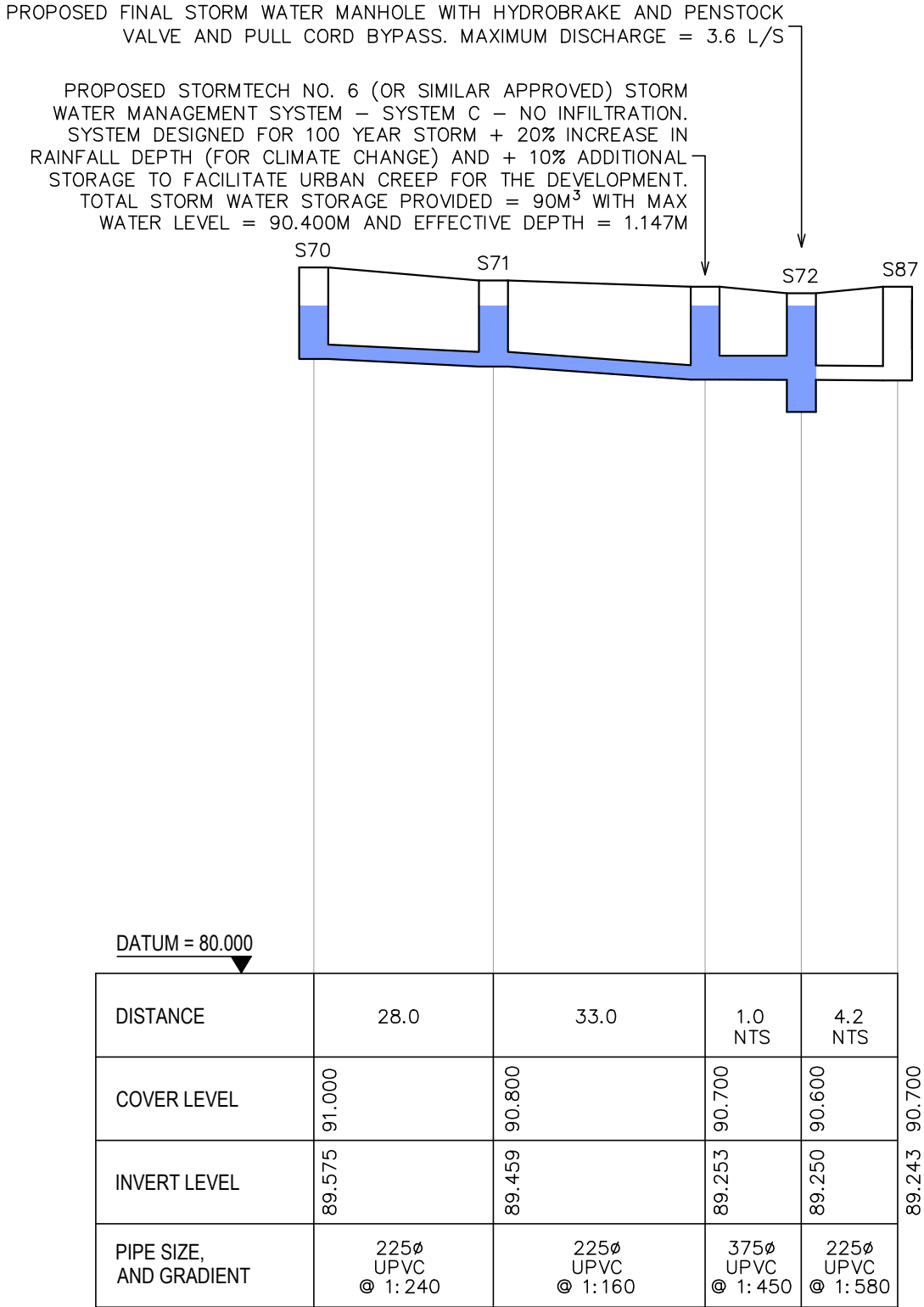
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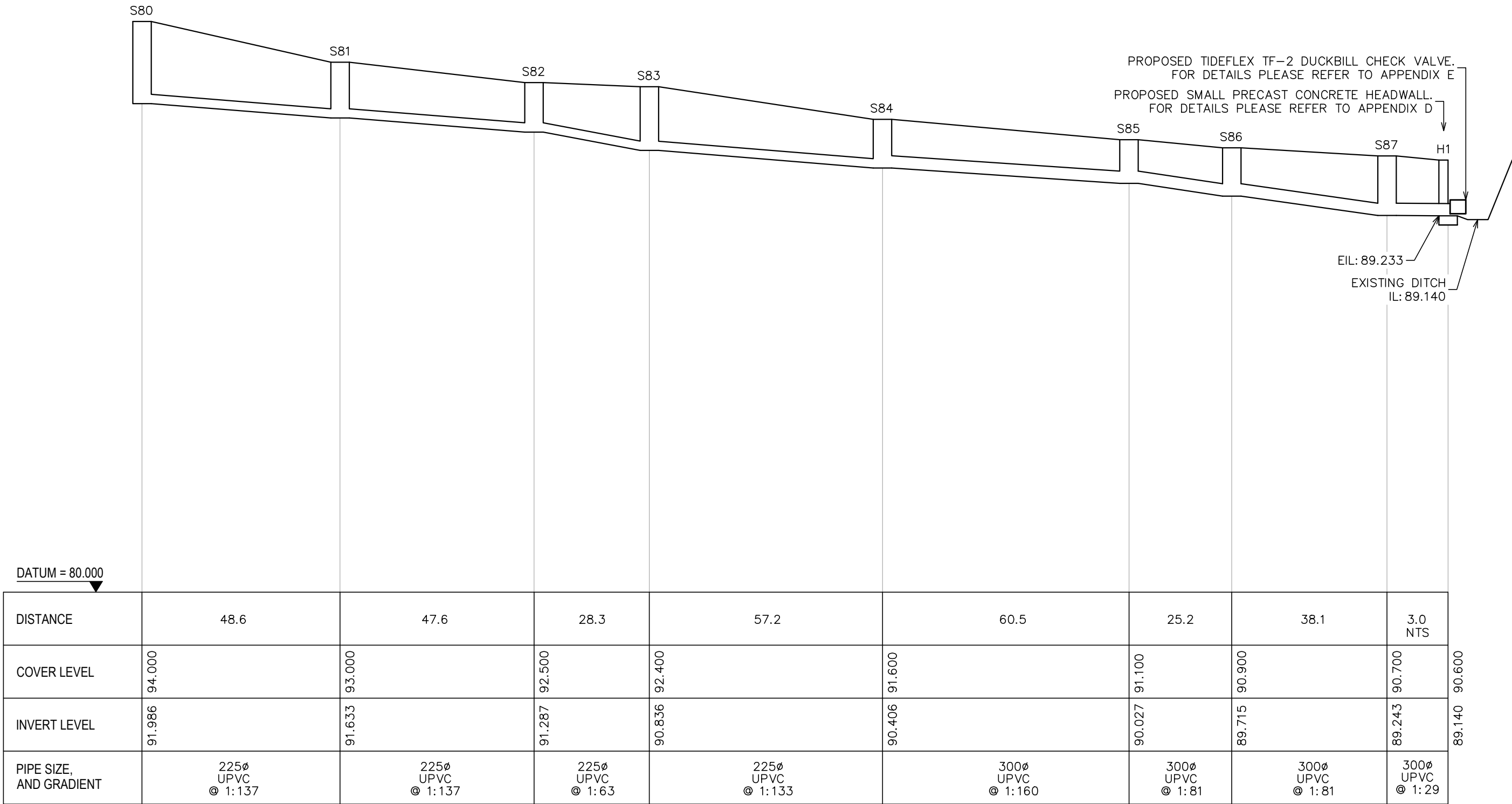
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SCALE: HORIZONTAL 1:1000
VERTICAL 1:100



LONGITUDINAL SECTION S65 TO S85
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100



LONGITUDINAL SECTION S70 TO S87
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100



LONGITUDINAL SECTION S80 TO H1
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100

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Rev	Drawn	Chkd	Appd	Description	Date

PLANNING

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CENTREPOINT PARTNERS

PROJECT TITLE:

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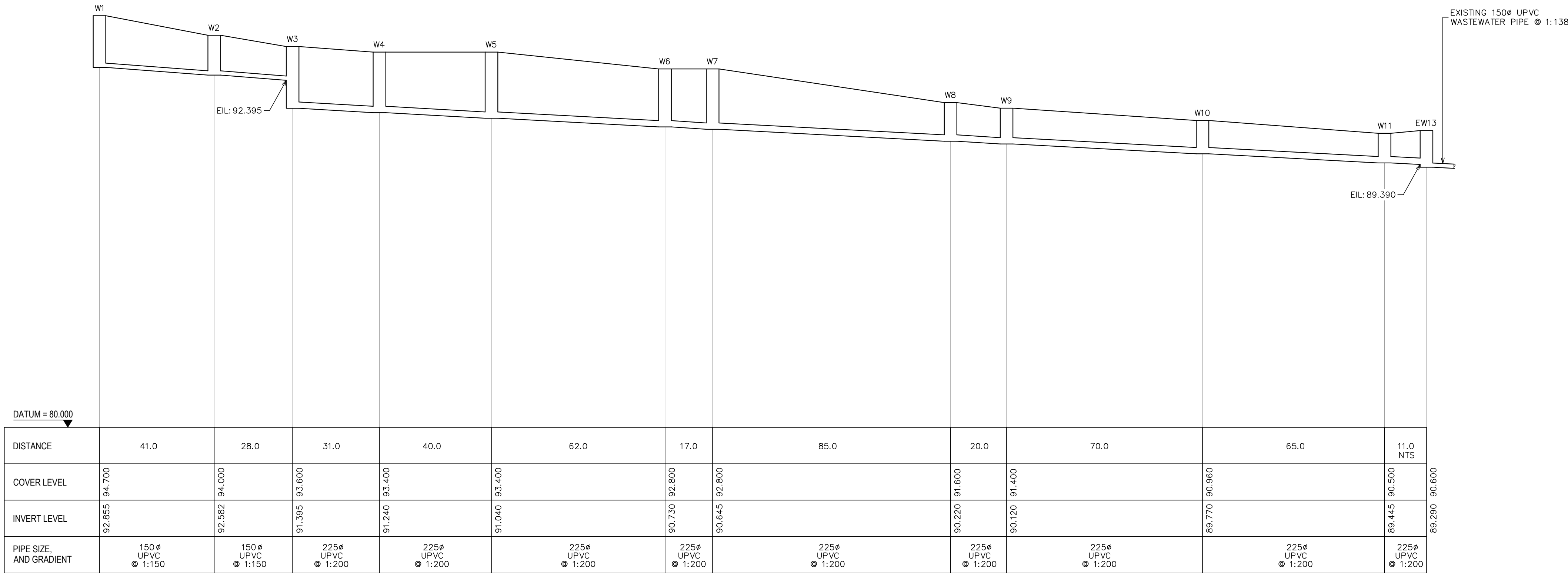
DRAWING TITLE:

**STORM WATER
AND WASTEWATER DETAILS
SHEET 2 OF 6**

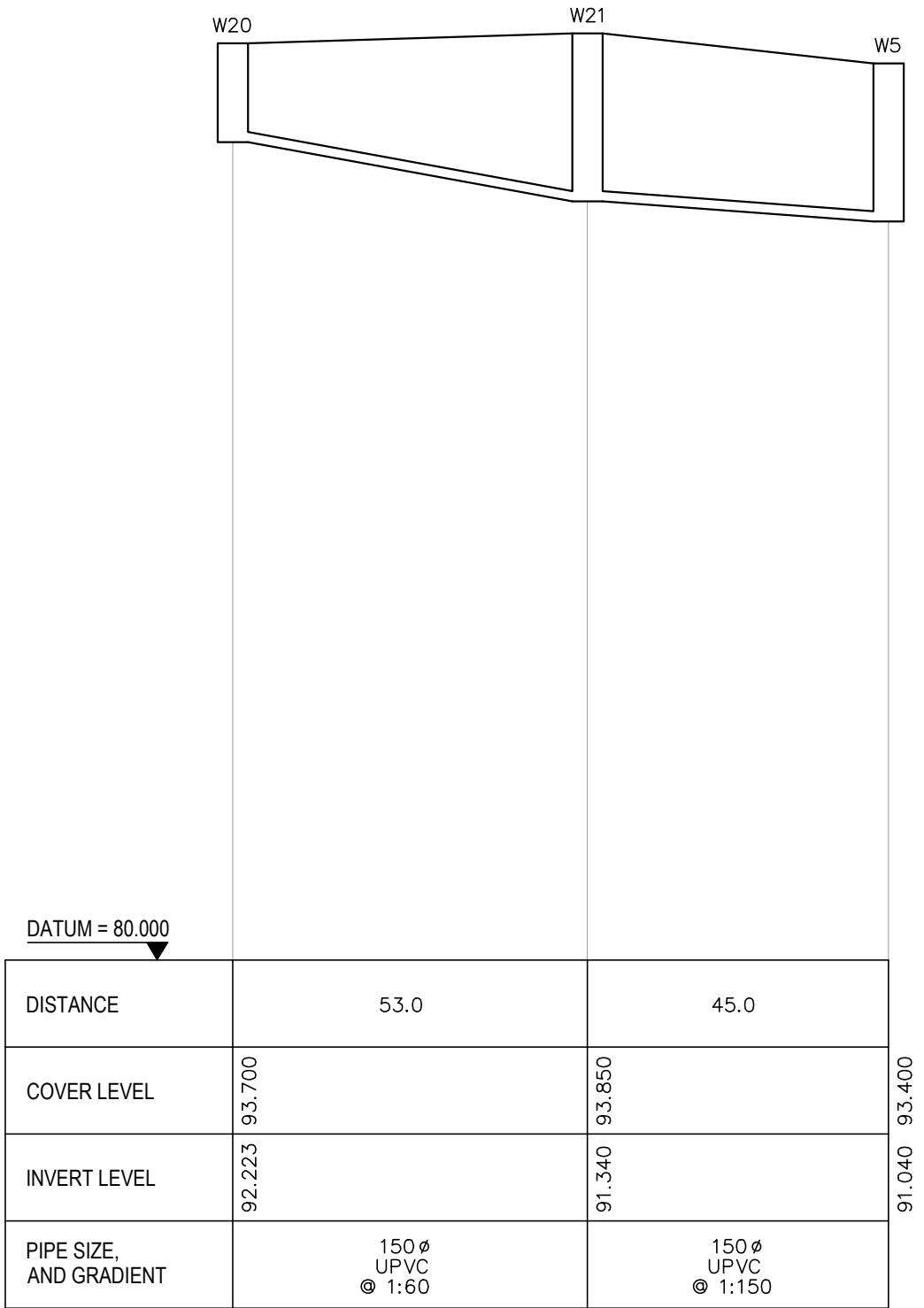
PLOT SIZE: A1	PLOT SCALE: AS NOTED	DRAWN BY: WP
PROJECT No: 3553	DRAWING No: P3553-C006	REV: B

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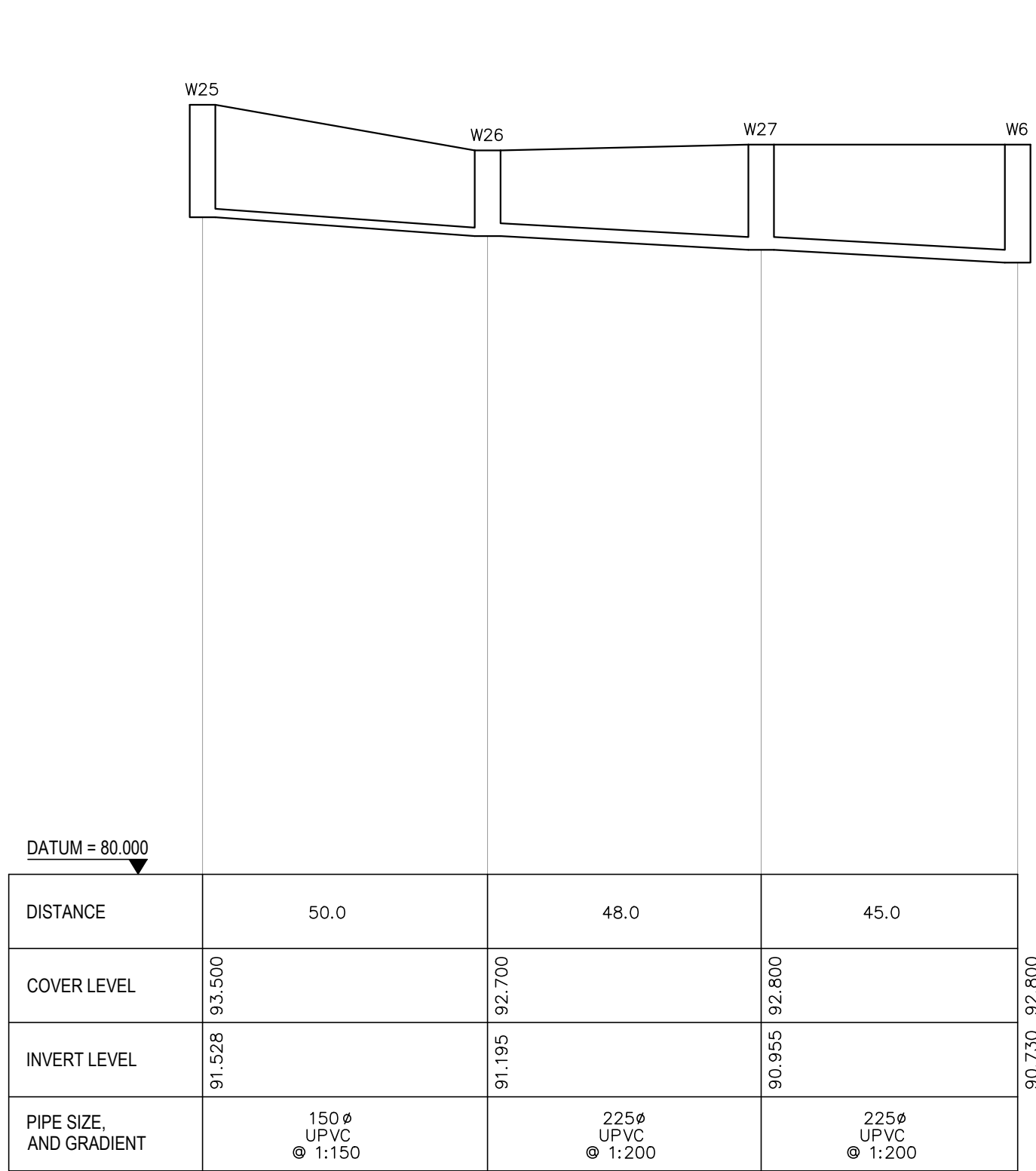
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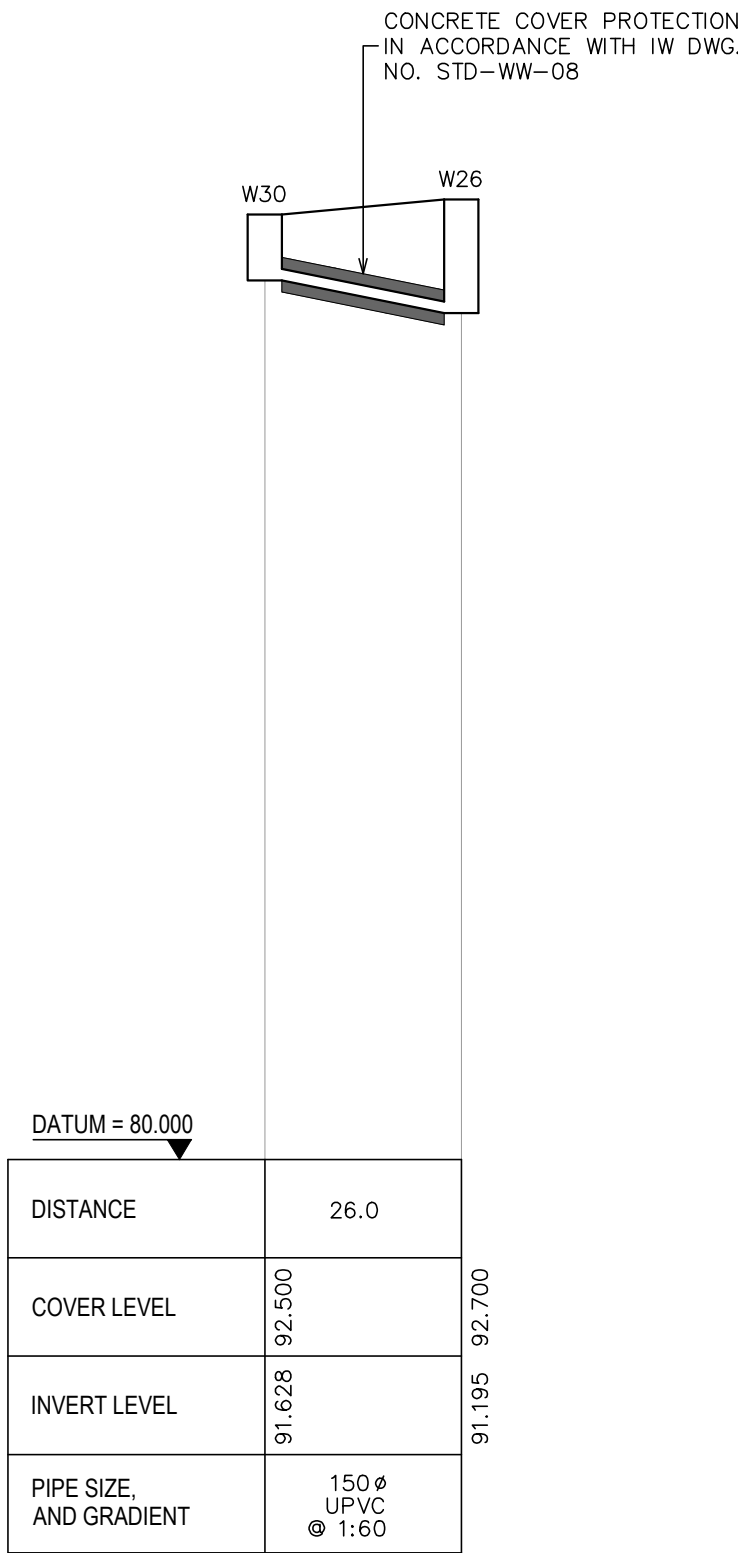
LONGITUDINAL SECTION W1 TO EW13
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100



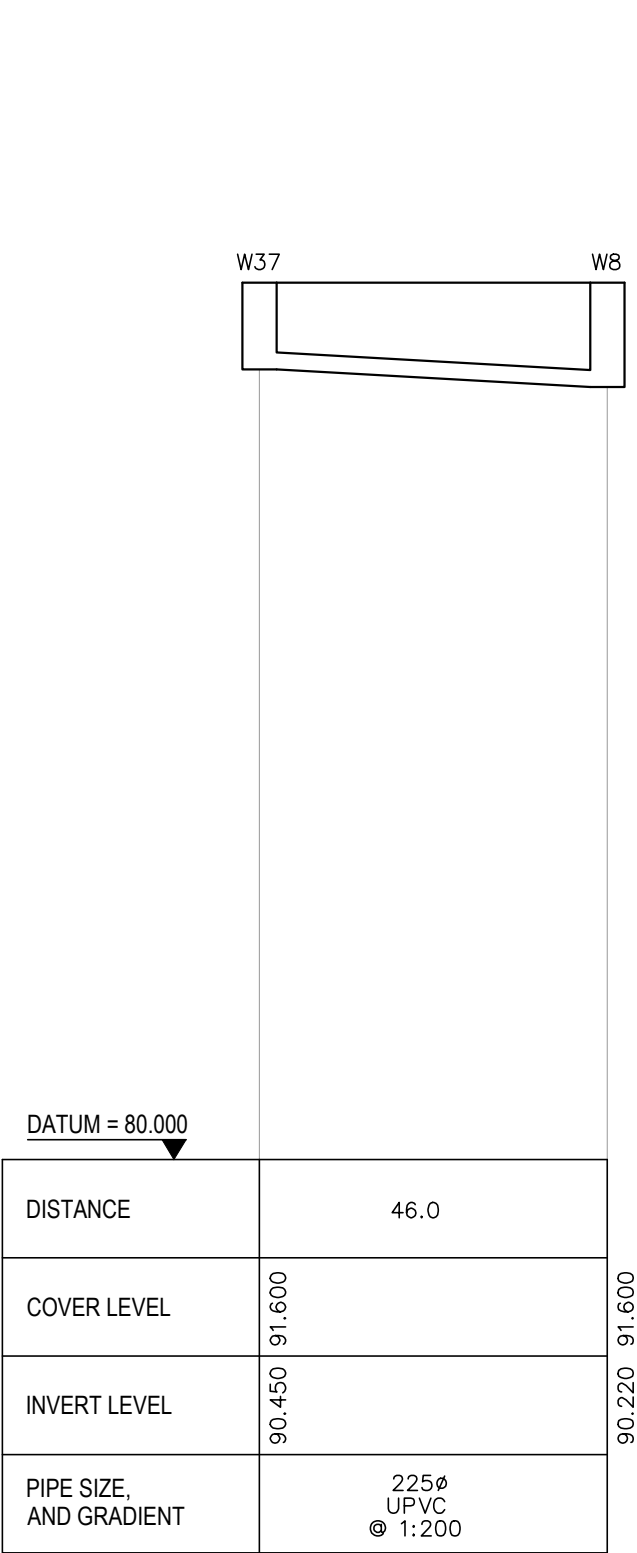
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SCALE: HORIZONTAL 1:1000
VERTICAL 1:100



LONGITUDINAL SECTION W25 TO W6
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100



LONGITUDINAL SECTION W30 TO W26
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100



LONGITUDINAL SECTION W37 TO W8
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100

B	WP	AOD	JG	ISSUED FOR PLANNING	10.12.2025
A	WP	AOD	JG	ISSUED FOR APPROVAL TO IW	20.10.2025
-	WP	AOD	JG	ISSUED FOR PLANNING	14.05.2025
Rev	Drawn	Chkd	Appd	Description	Date

PLANNING

JA Gorman
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Forest Park,
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Tel: 044-9347338 / 9347341
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Email: info@jagorman.ie
Web: www.jagorman.ie

CLIENT:

CENTREPOINT PARTNERS

PROJECT TITLE:

**CENTREPOINT LRD. DEVELOPMENT AT
HARPUR'S LANE AND MOUNTRATH ROAD,
MARYBOROUGH, PORTLAOISE, CO. LAOIS**

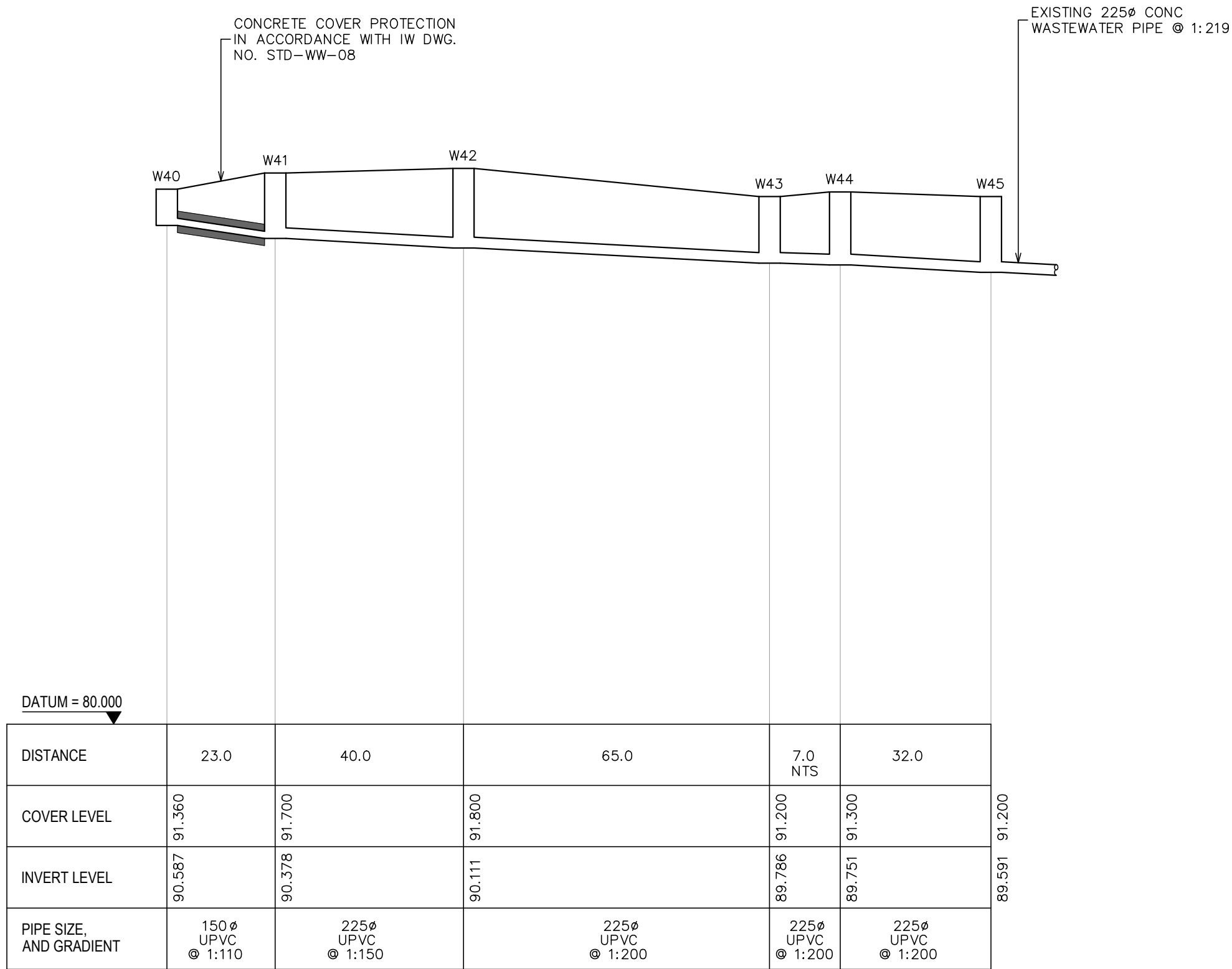
DRAWING TITLE:

**STORM WATER
AND WASTEWATER DETAILS
SHEET 3 OF 6**

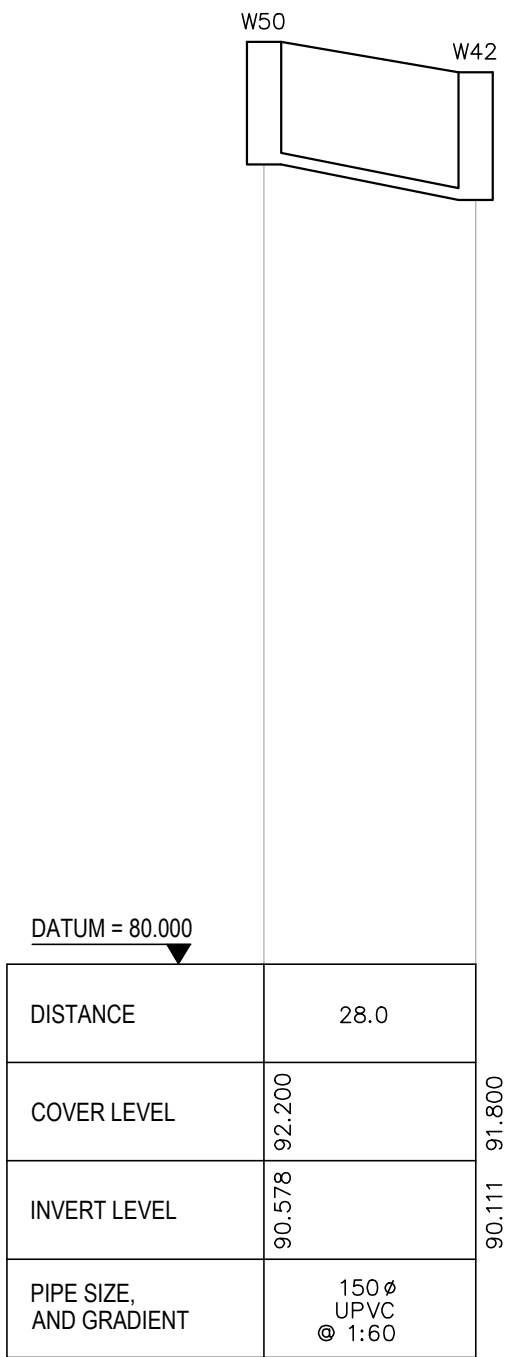
PLOT SIZE: A1	PLOT SCALE: AS NOTED	DRAWN BY: WP
PROJECT No: 3553	DRAWING No: P3553-C007	REV: B

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LONGITUDINAL SECTION W40 TO W45
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100



LONGITUDINAL SECTION W50 TO W42
SCALE: HORIZONTAL 1:1000
VERTICAL 1:100

B	WP	AOD	JG	ISSUED FOR PLANNING	10.12.2025
A	WP	AOD	JG	ISSUED FOR APPROVAL TO IW	20.10.2025
-	WP	AOD	JG	ISSUED FOR PLANNING	14.05.2025
Rev	Drawn	Chkd	Appd	Description	Date

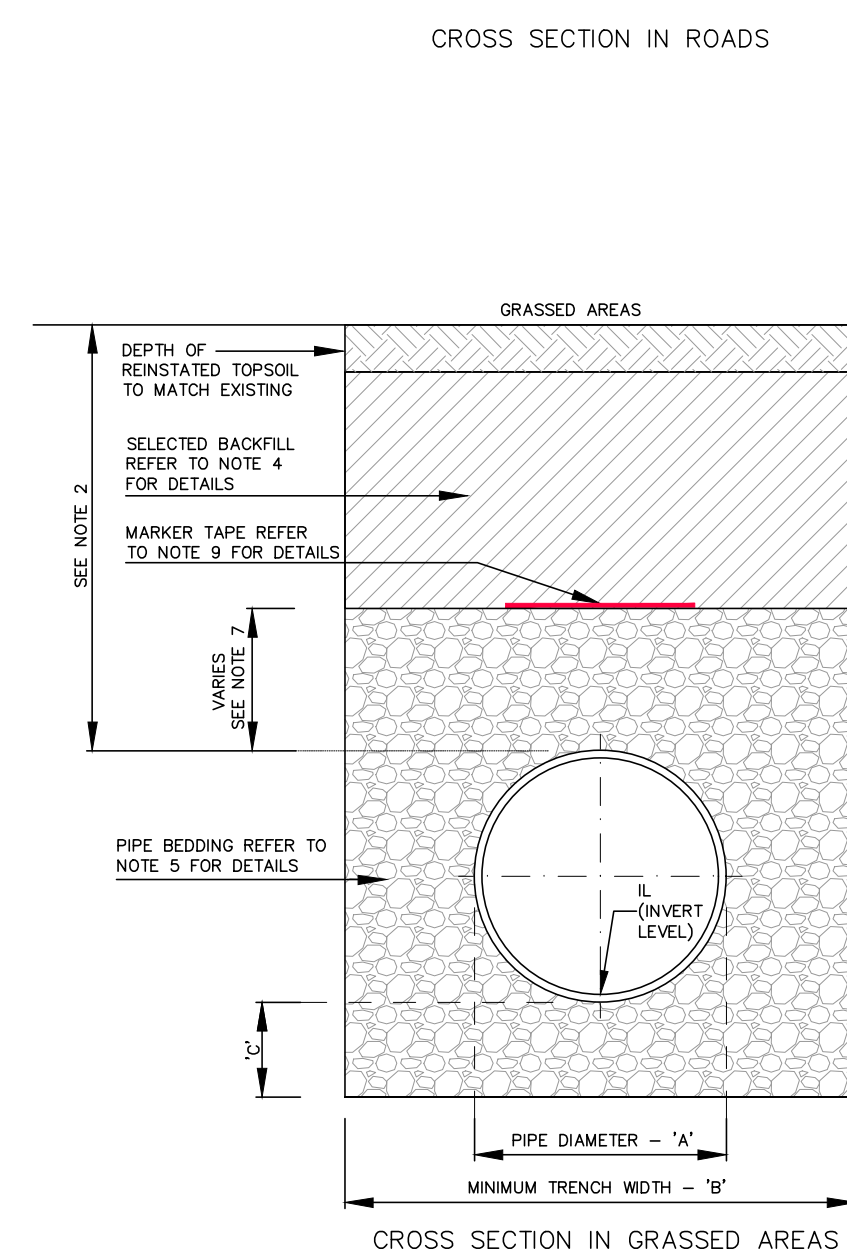
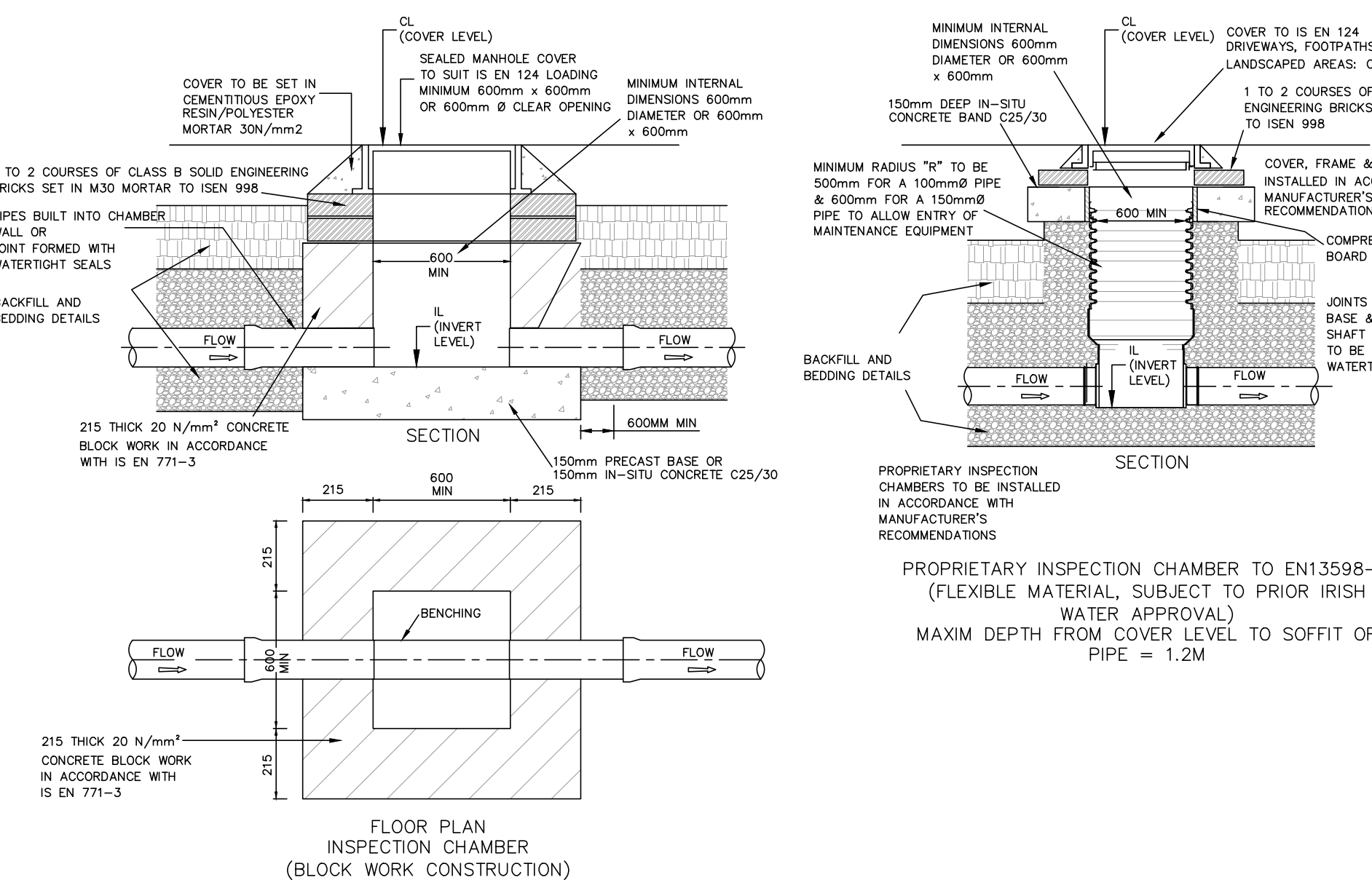
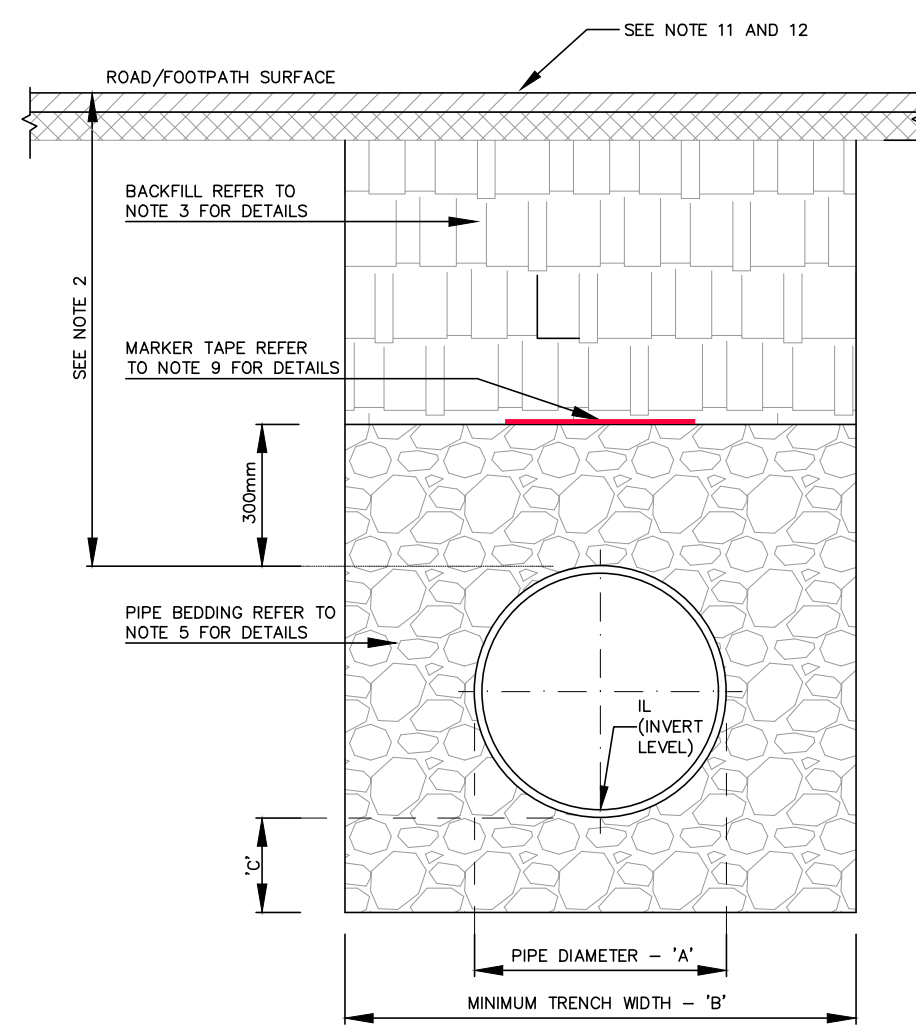
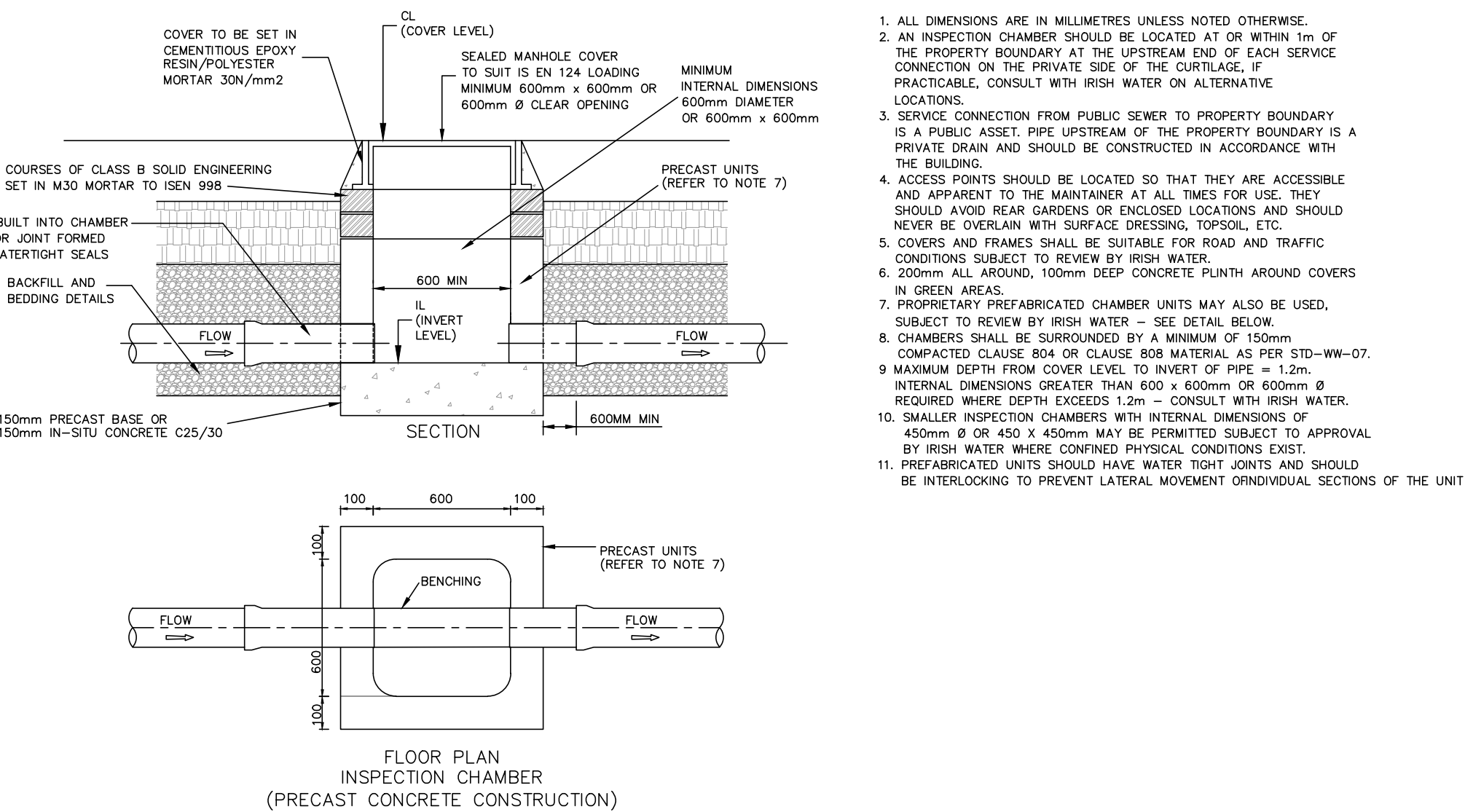
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JA Gorman
consulting engineers
project managers

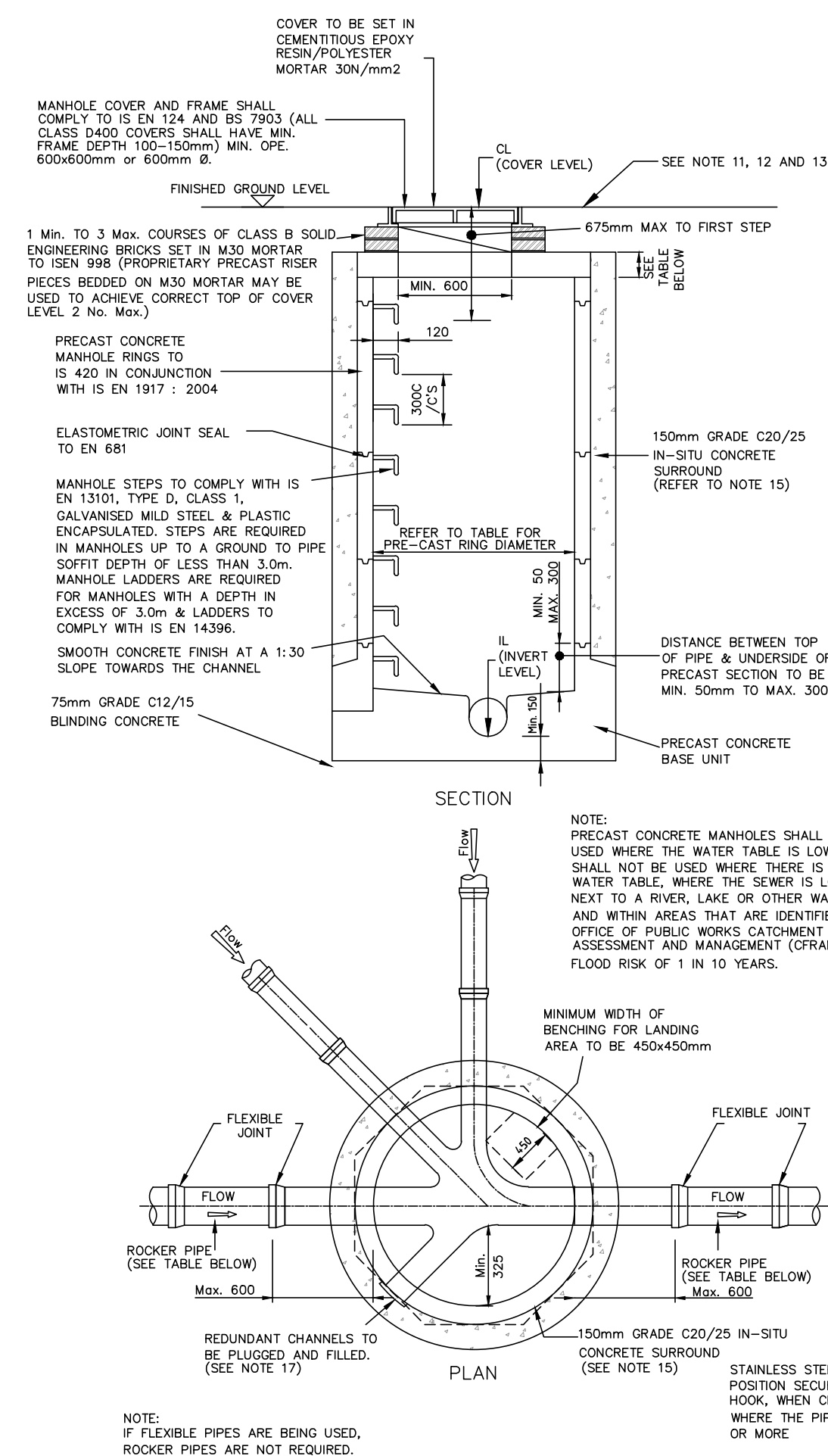
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CLIENT: CENTREPOINT PARTNERS		
PROJECT TITLE: CENTREPOINT LRD. DEVELOPMENT AT HARPUR'S LANE AND MOUNTRATH ROAD, MARYBOROUGH, PORTLAOISE, CO. LAOIS		
DRAWING TITLE: STORM WATER AND WASTEWATER DETAILS SHEET 4 OF 6		
PLOT SIZE: A1	PLOT SCALE: AS NOTED	DRAWN BY: WP
PROJECT No: 3553	DRAWING No: P3553-C008	REV: B
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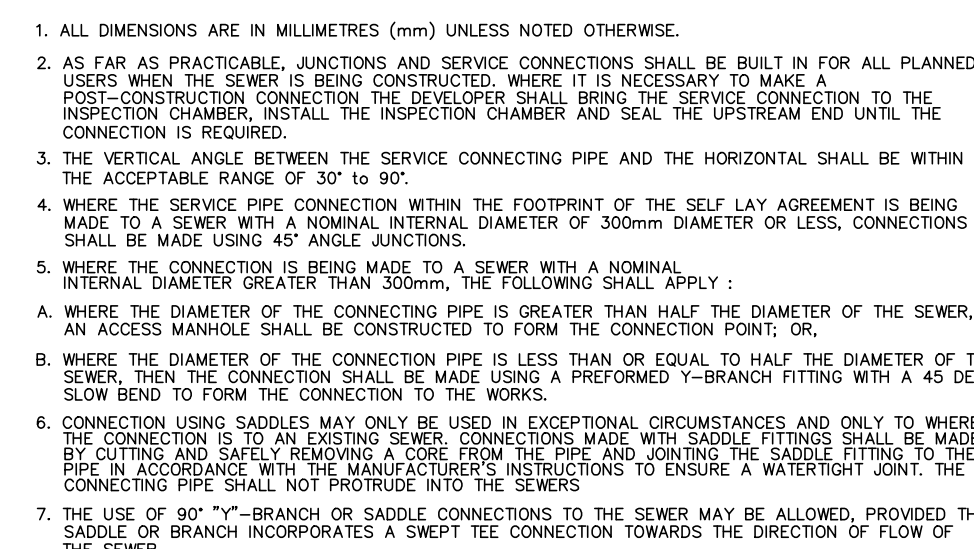
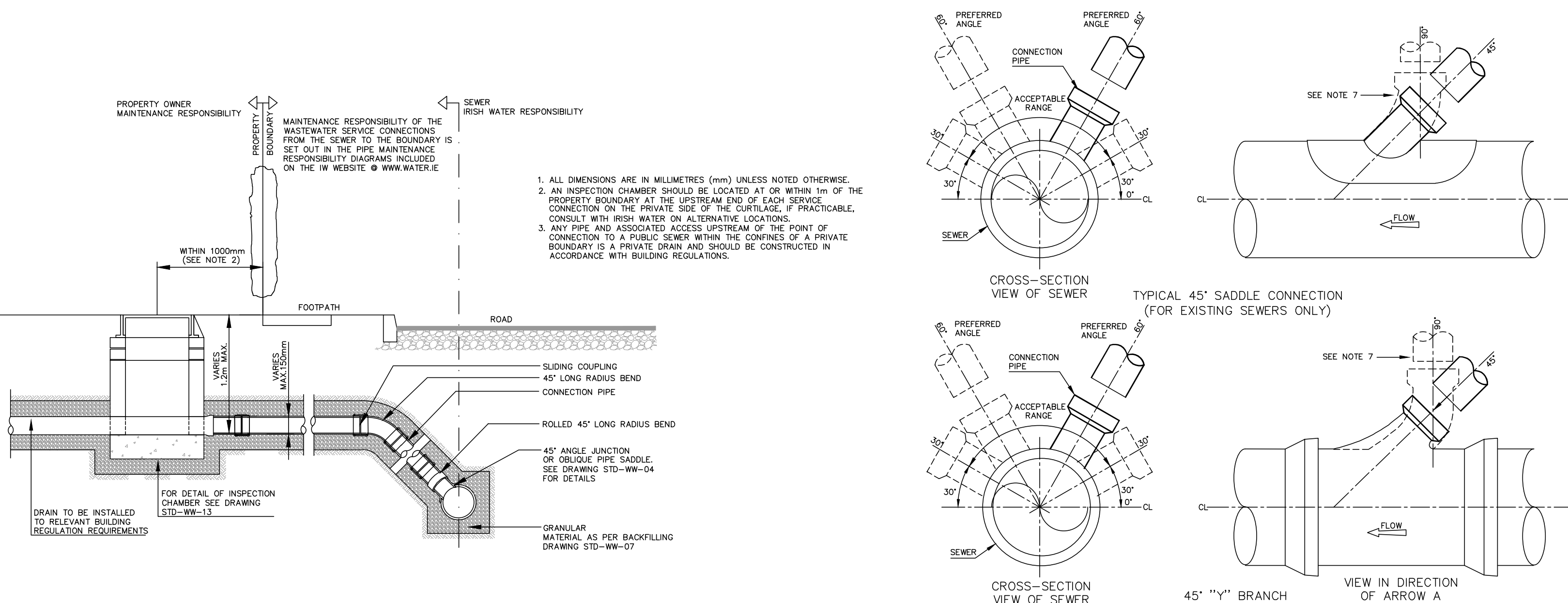
PIPE DIAMETER 'A' (mm)	TRENCH WIDTH 'B' (mm)
<= 80 RISING MAIN	SEE NOTE 10
100	500
150 – 200	600
>200 – 350	750
>350 – 450	900

PIPE DIAMETER 'A' (mm)	DEPTH OF BEDDING 'C' (mm)
100	100
150 – 450	200



MINIMUM MANHOLE DIAMETERS			
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)	MIN. PRECAST ROOF SLAB EFFECTIVE THICKNESS (mm)	MIN. IN-SITU ROOF SLAB THICKNESS (mm)
LESS THAN 375	1200	160	225
375 TO 450	1350	160	225
500 TO 750	1500	170	225

ROCKER PIPE LENGTH	
PIPE DIAMETER (mm)	ROCKER PIPE LENGTH (mm)
150 TO 600	600
GREATER THAN 600 TO 750	1000
GREATER THAN 750	1250



B	WP	AOD	JG	ISSUED FOR PLANNING	10.12.2025
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-	WP	AOD	JG	ISSUED FOR PLANNING	14.05.2025
Dev	Design	Child	Agreed	Description	Date

Rev	Drawn	Chkd	Appd	Description	Date
PLANNING					

PLANNING	
1	

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consulting engineers
Email: info@jagorman.ie
Web: www.jagorman.ie

CLIENT: **project managers** WEB: www.jagomarine.com

CENTREPOINT PARTNERSCENTREPOINT PARTNERS

PROJECT TITLE:	
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CENTREPOINT LRD DEVELOPMENT AT

CENTRE: GINT ERD. DEVELOPMENT AT
HARPUR'S LANE AND MOUNTRATH ROAD.

MARYBOROUGH, PORTLAOISE, CO. LAOIS

DRAWING TITLE:

STORM WATER

AND WASTEWATER DETAILSSHEET 5 OF 6

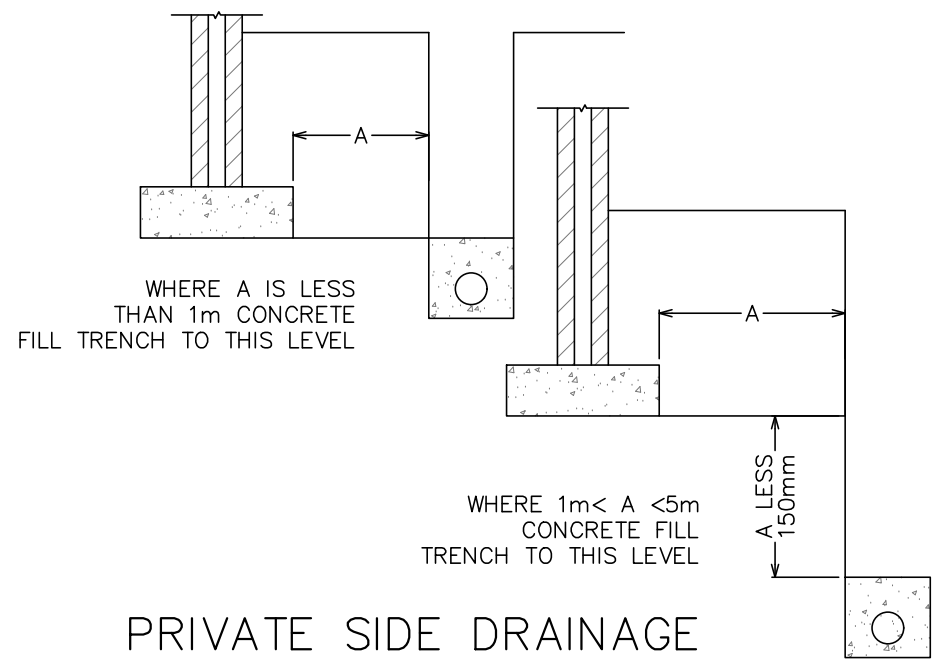
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AT	AS NOTED	WF
PROJECT No:	DRAWING No:	REV:

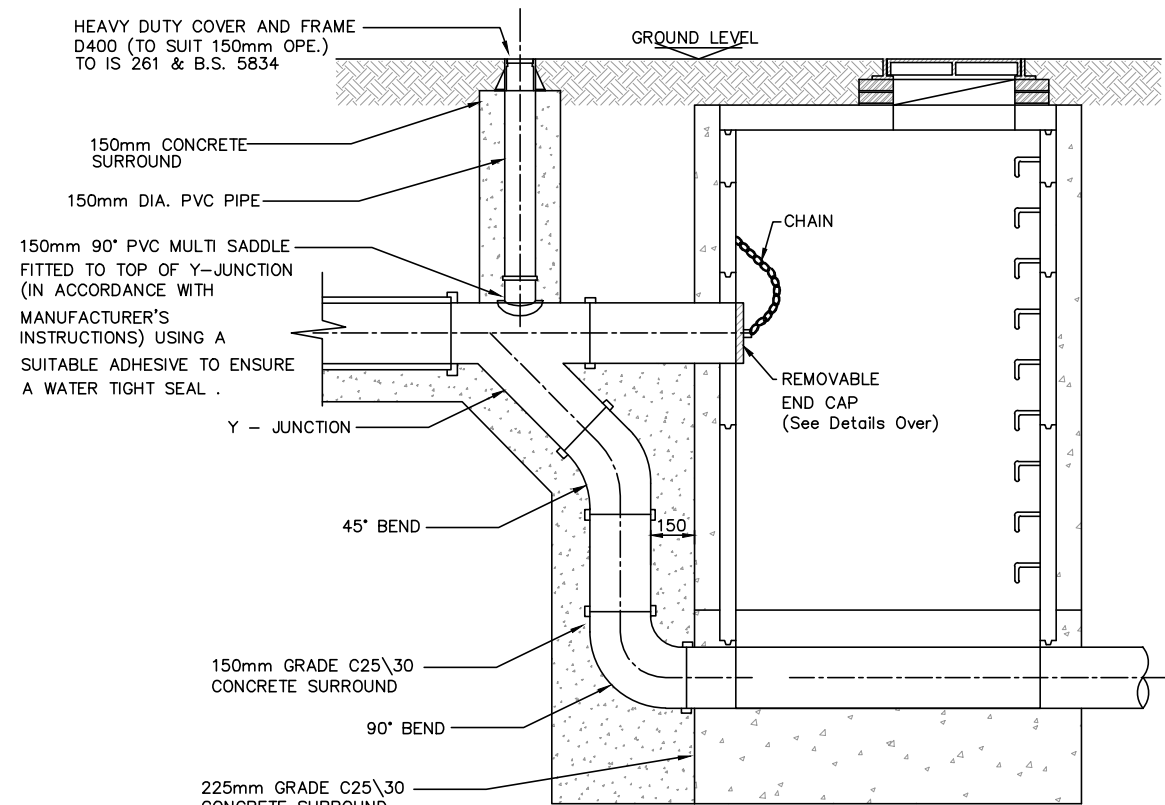
PROJECT NO.	DRAWING NO.	REV.
3553	P3553-C009	B

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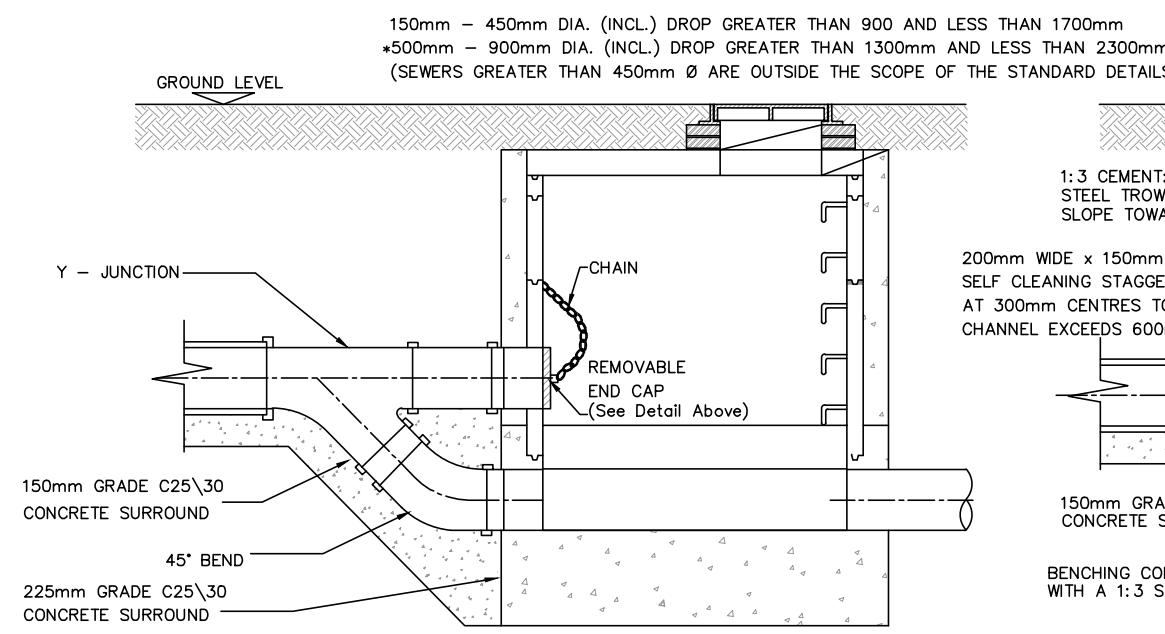
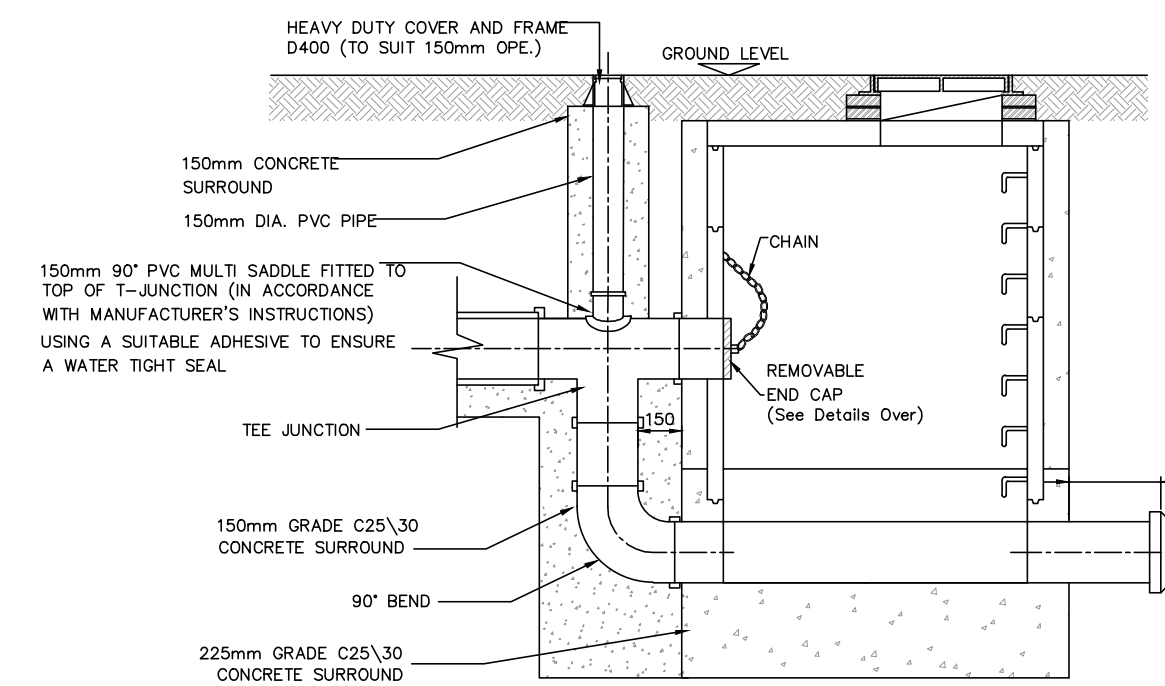
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PRIVATE SIDE DRAINAGE CONCRETE SURROUND TO PIPE RUN NEAR BUILDINGS

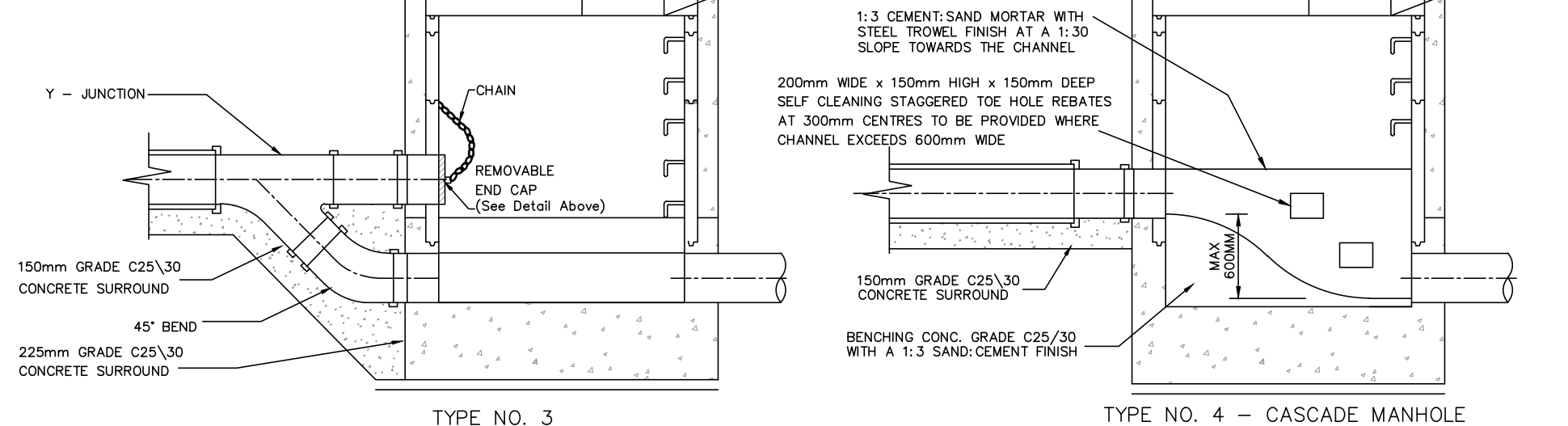


1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. RODDING EYE VERTICAL PIPE SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS 261 AND BS 5834. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
3. ALL CHAMBERS TO BE CHECKED FOR UPLIFT BY THE DEVELOPER BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI FLOTATION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO REVIEW BY IRISH WATER.
4. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
5. MANHOLE DETAILS TO BE IN ACCORDANCE WITH STD-WW-09, 10, 10A AND 11.
6. ALL BACKDROPS SHOULD TERMINATE AT THEIR LOWER END WITH A BEND INTO THE MAIN CHANNEL TO ENSURE THE DISCHARGE IS 45° OR LESS ON PLAN.
7. 200mm ALL AROUND x 100mm DEEP, C20/25 CONCRETE PLINTH COMPLETE WITH BULL NOSE FINISH AND TO BE PROVIDED COMPLETE WITH MILD STEEL REINFORCEMENT LINK AROUND COVERS IN GREEN AREAS.



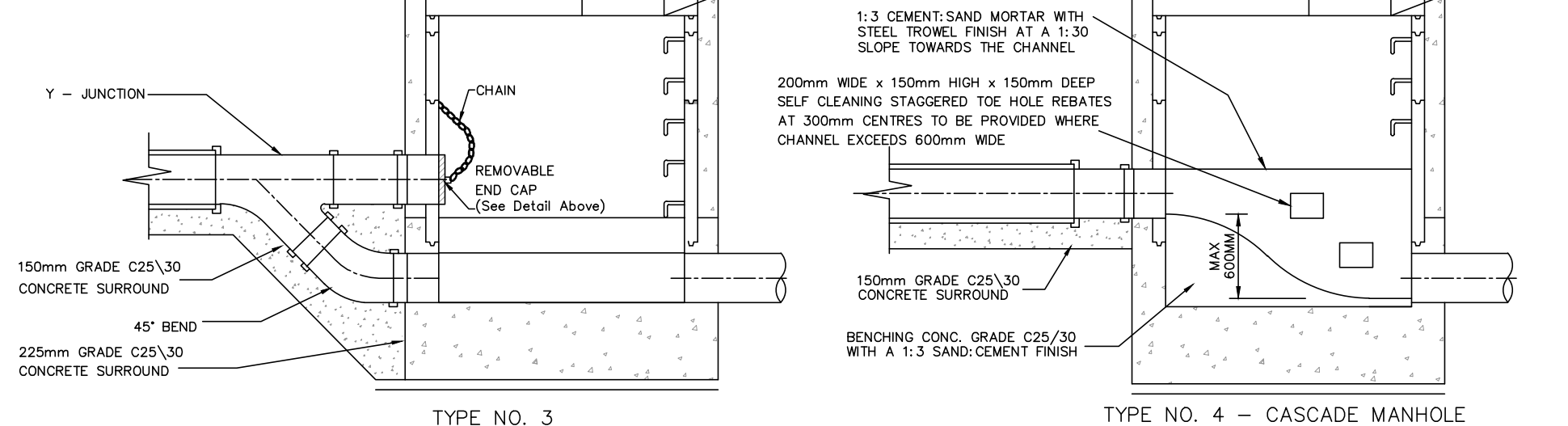
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+500mm - 900mm DIA. (NCL) DROP GREATER THAN 1300mm AND LESS THAN 2300mm
(SEWERS GREATER THAN 450mm Ø ARE OUTSIDE THE SCOPE OF THE STANDARD DETAILS.)

STD-WW-12 BACKDROP AND CASCADE MANHOLES



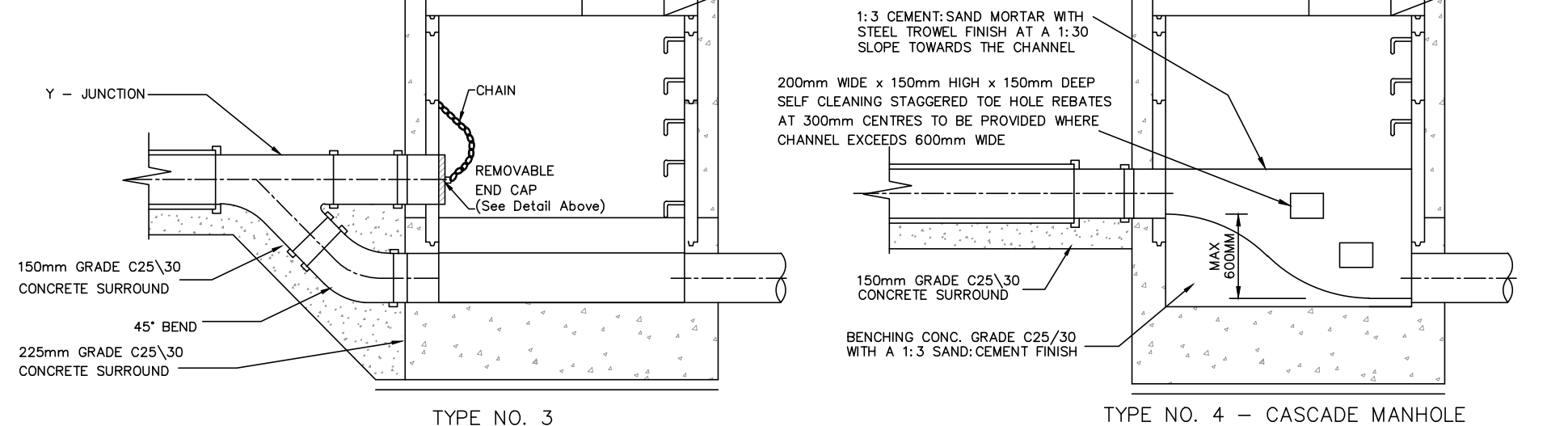
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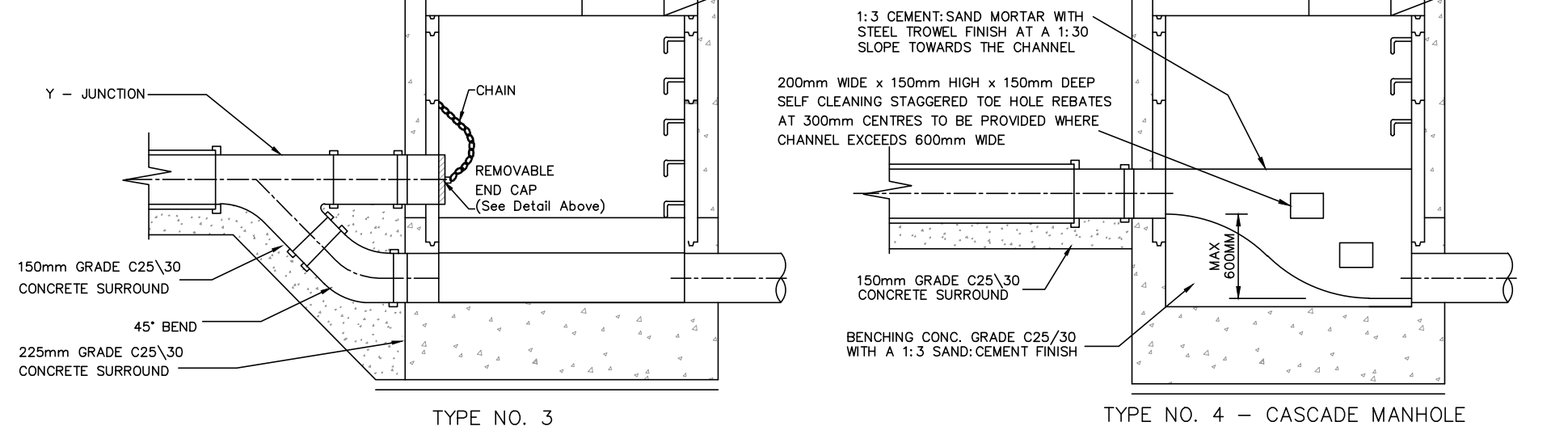
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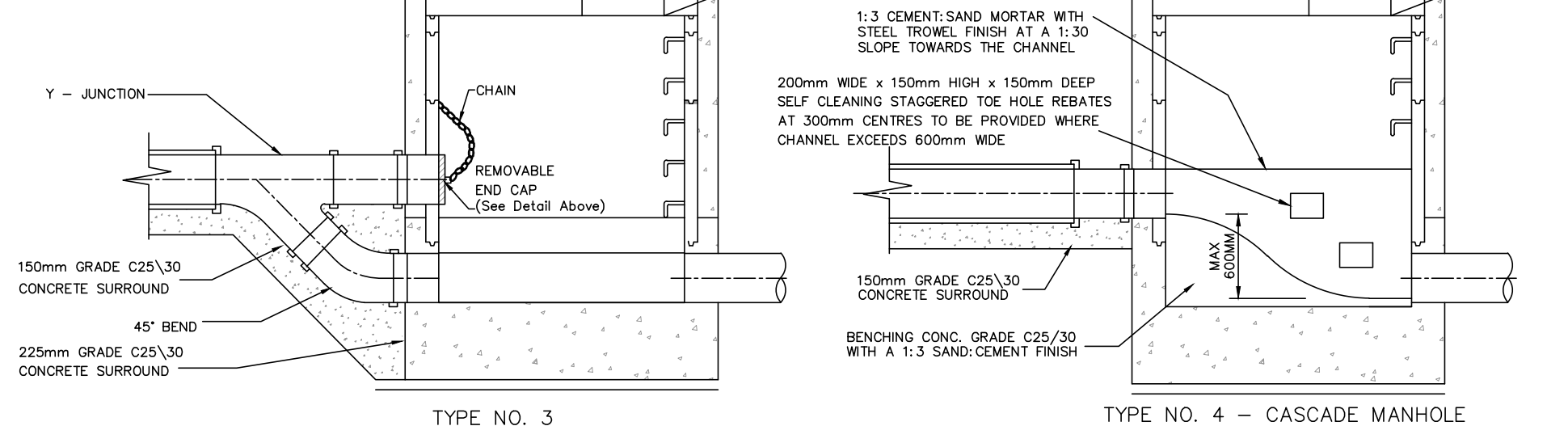
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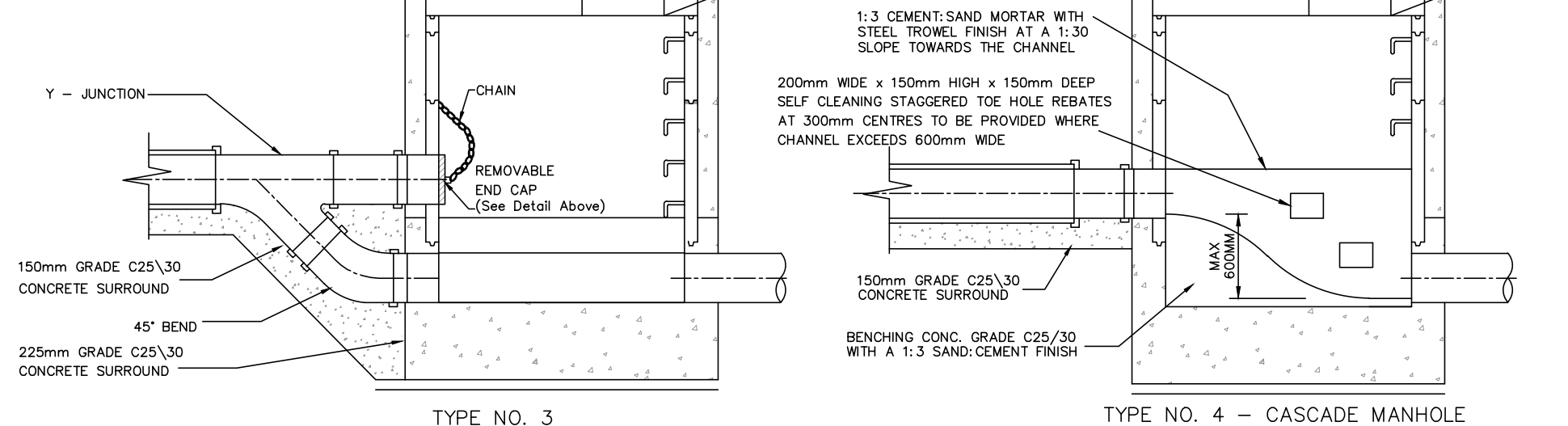
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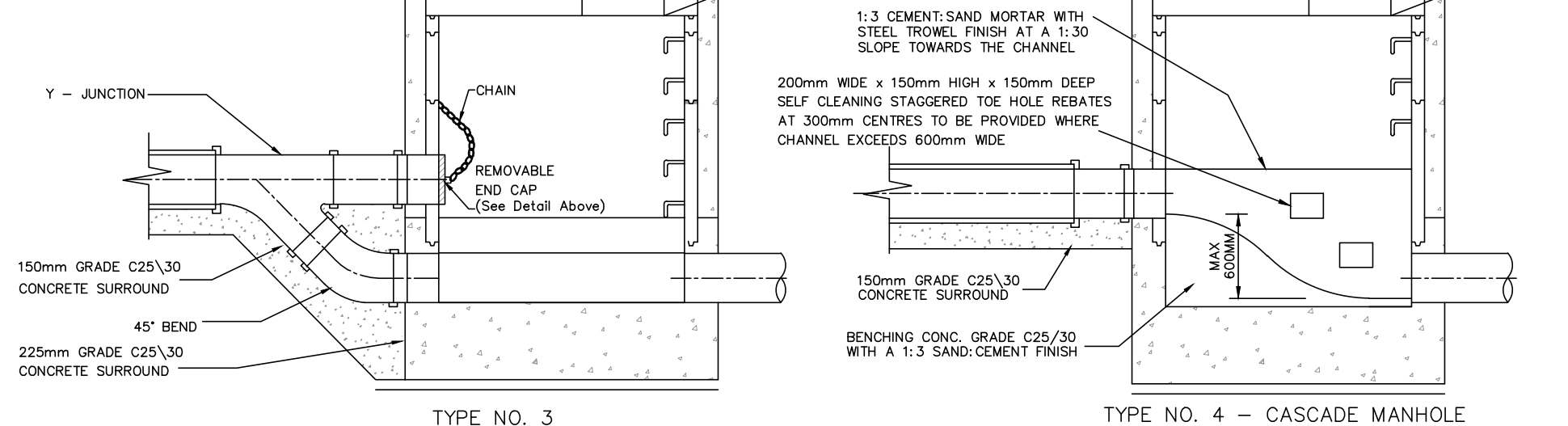
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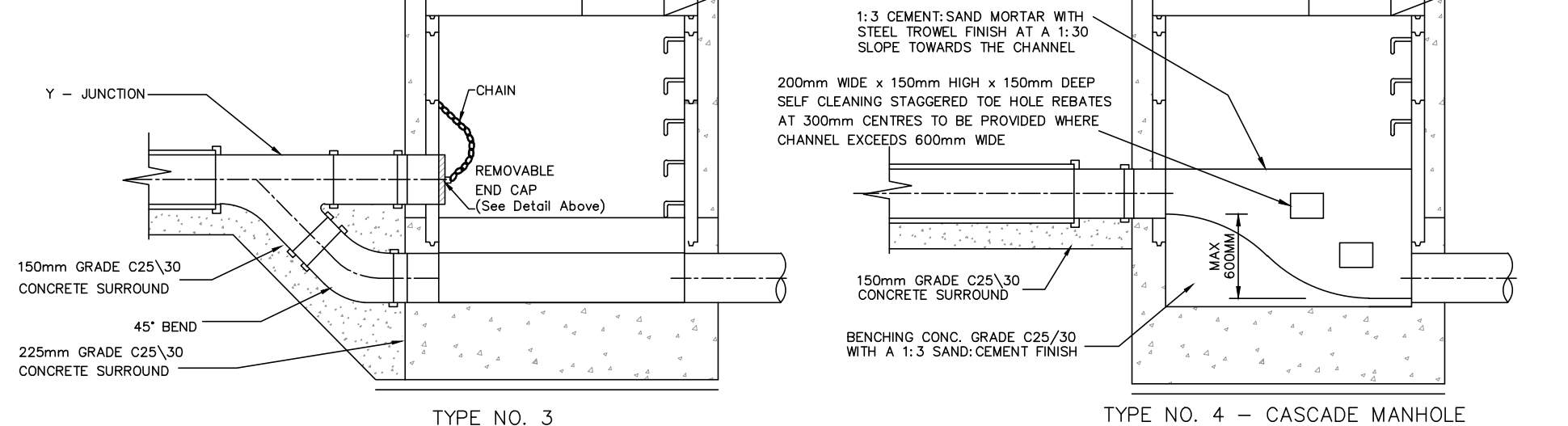
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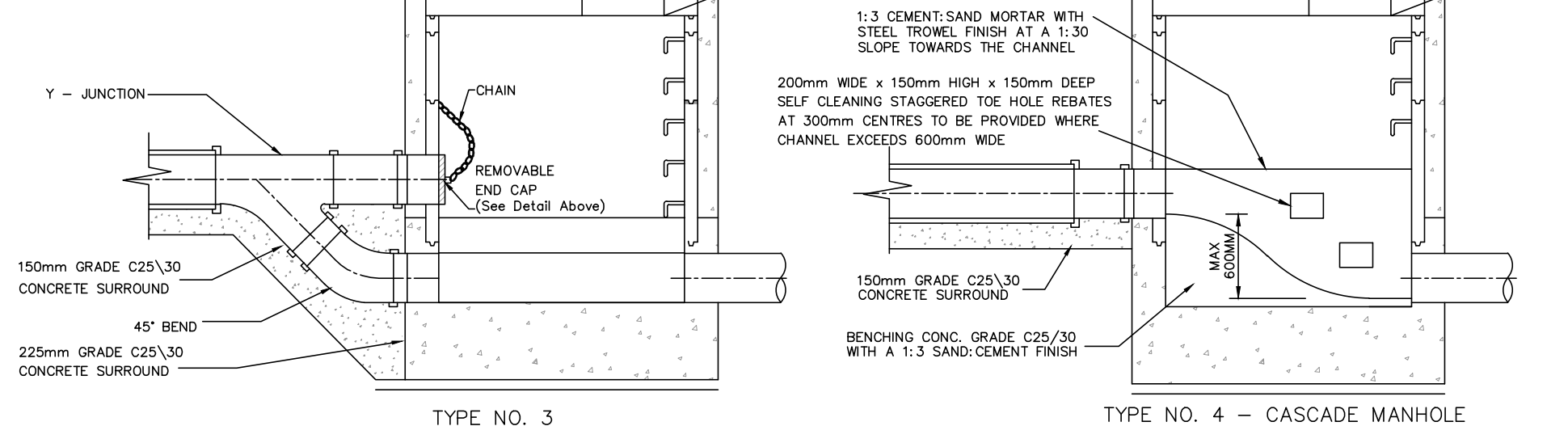
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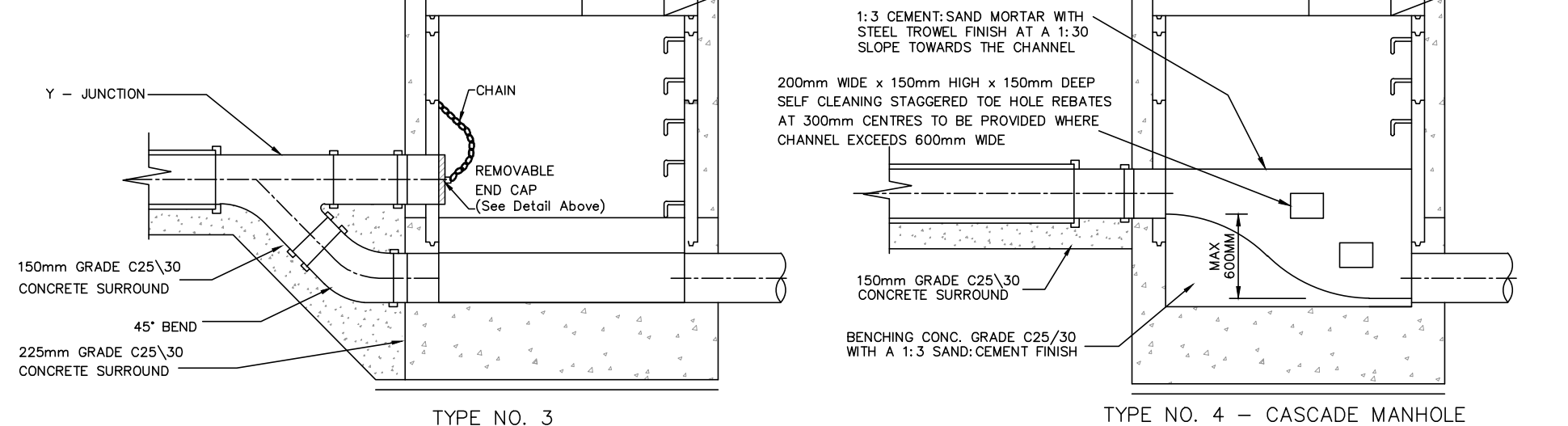
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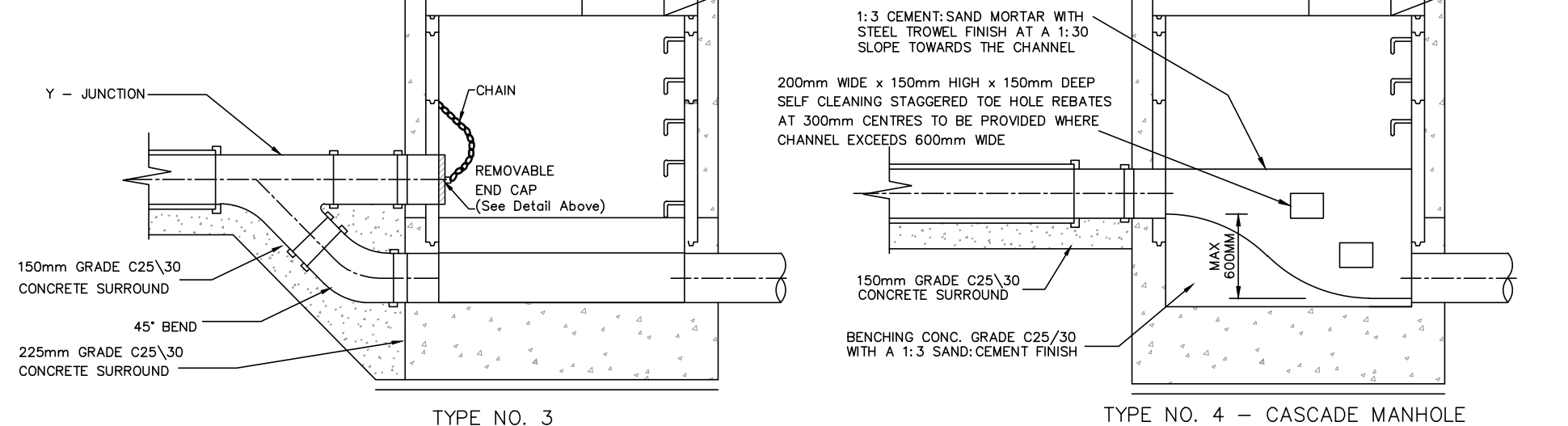
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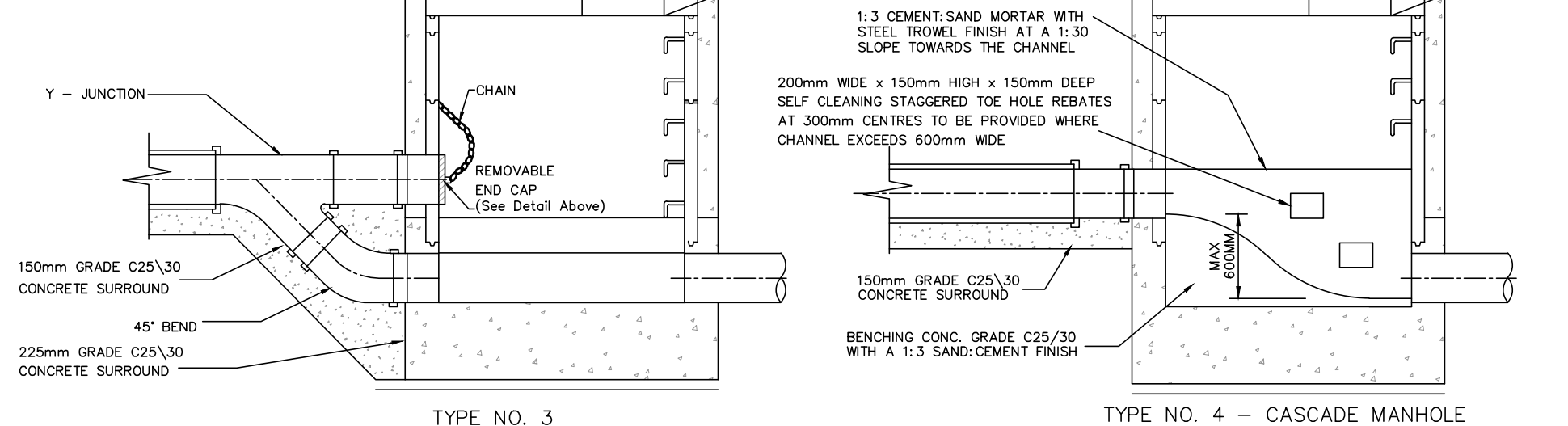
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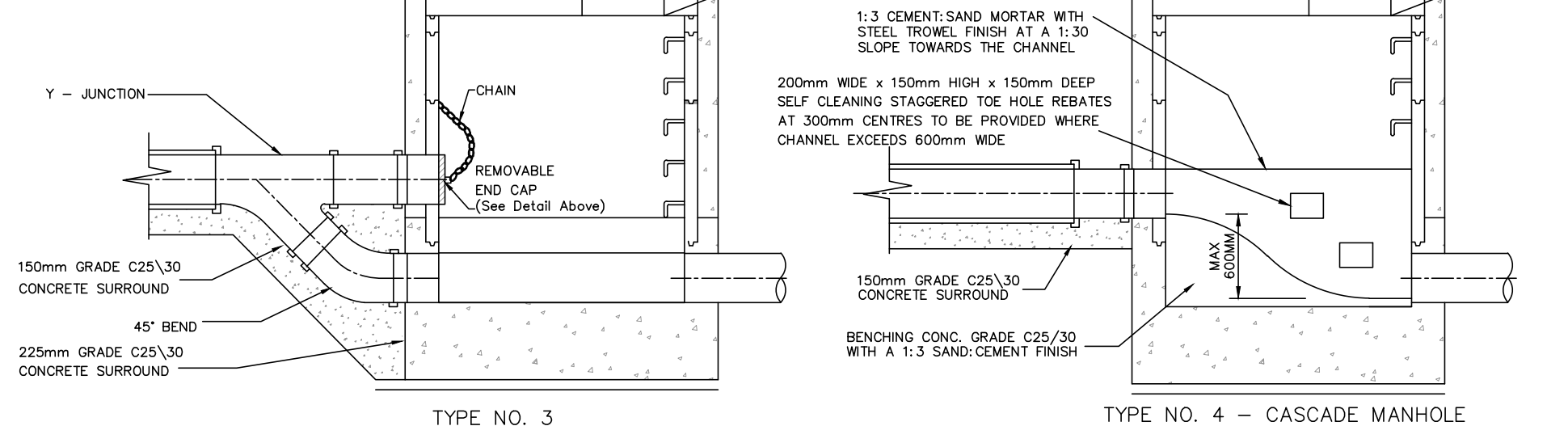
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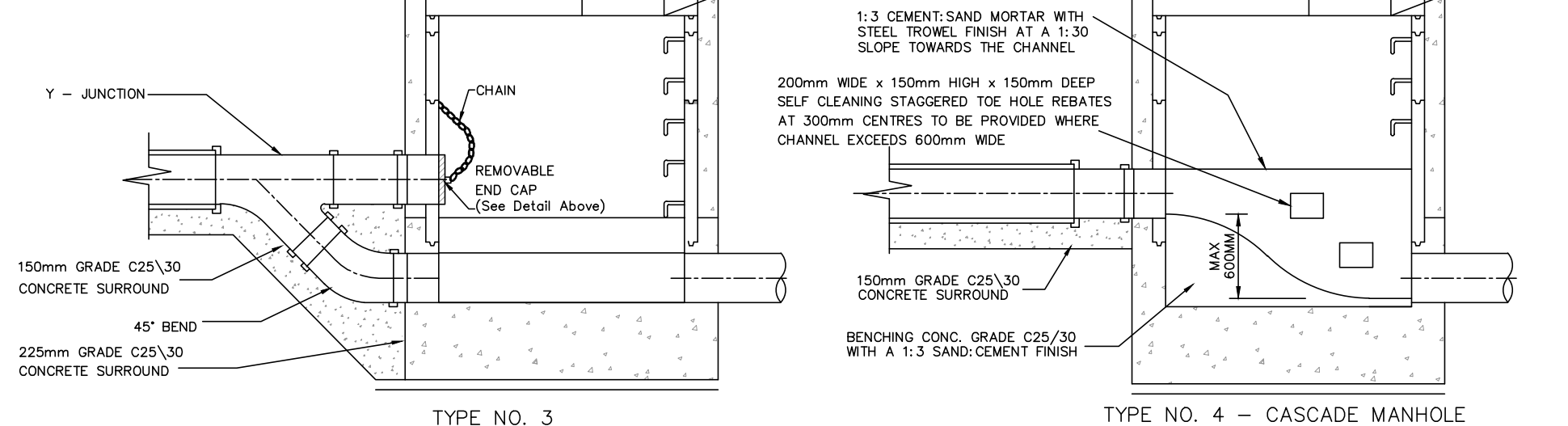
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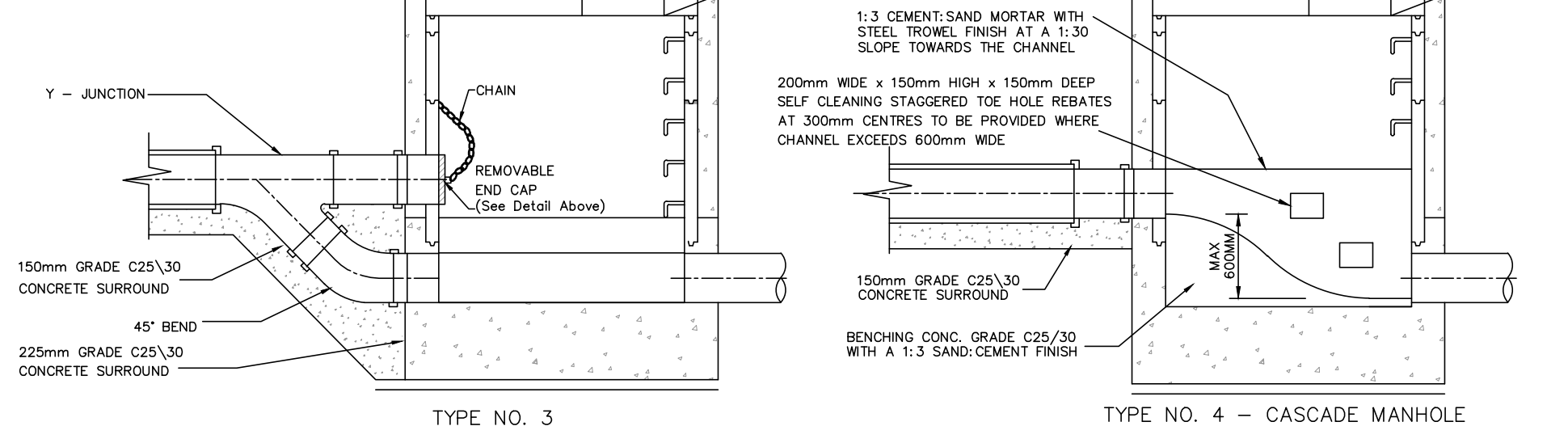
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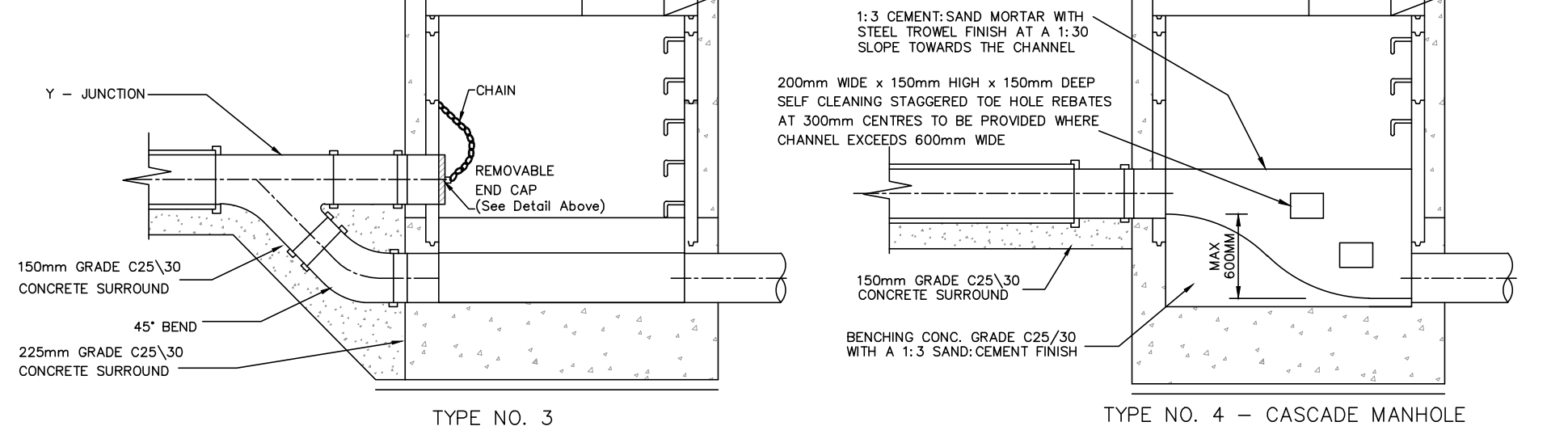
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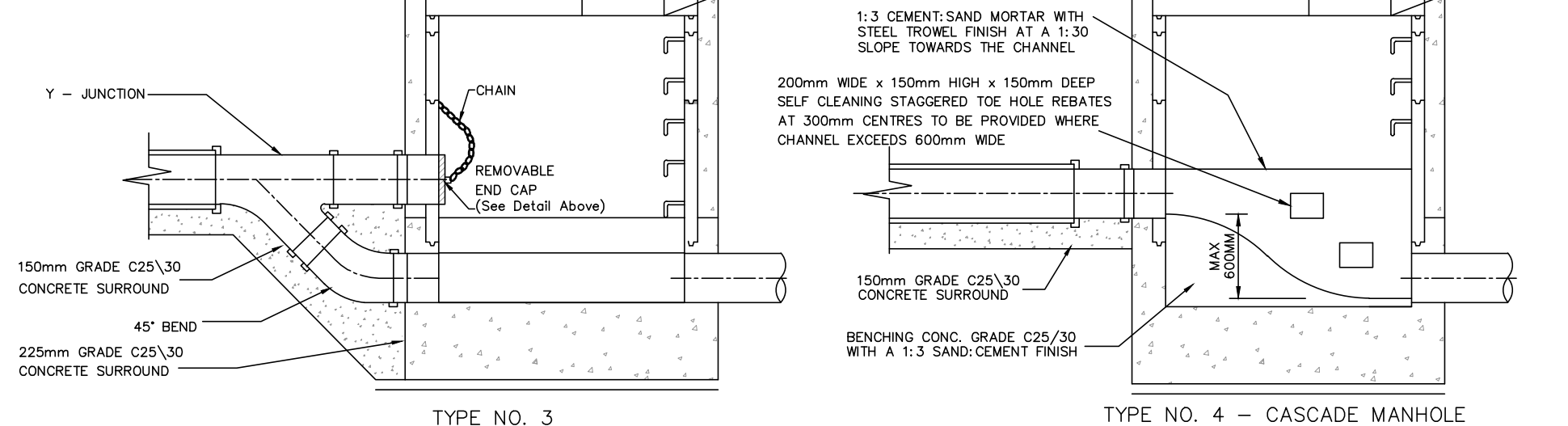
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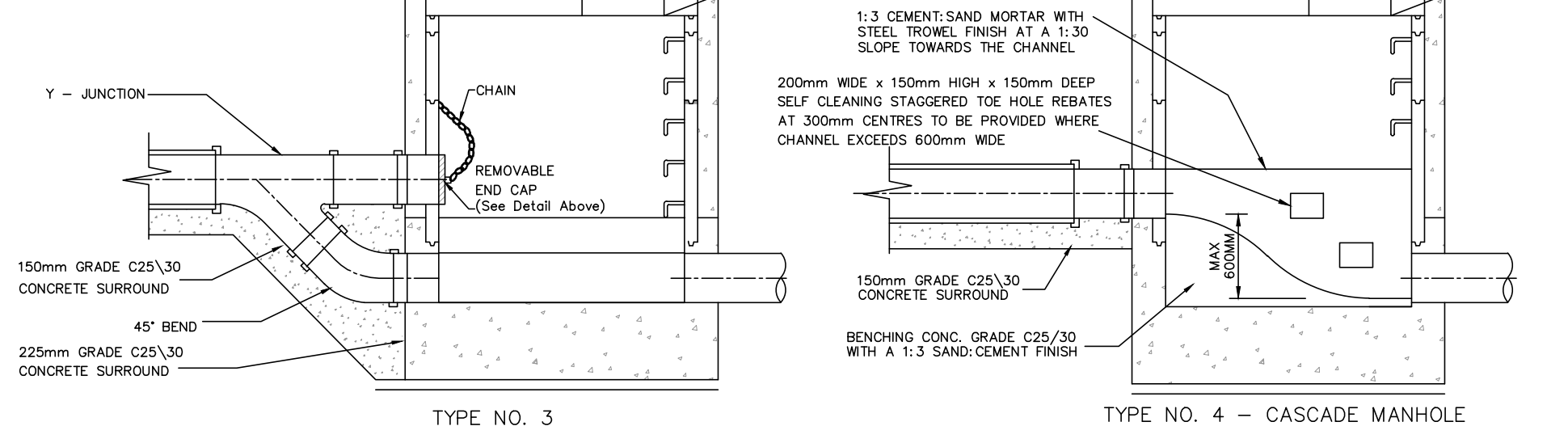
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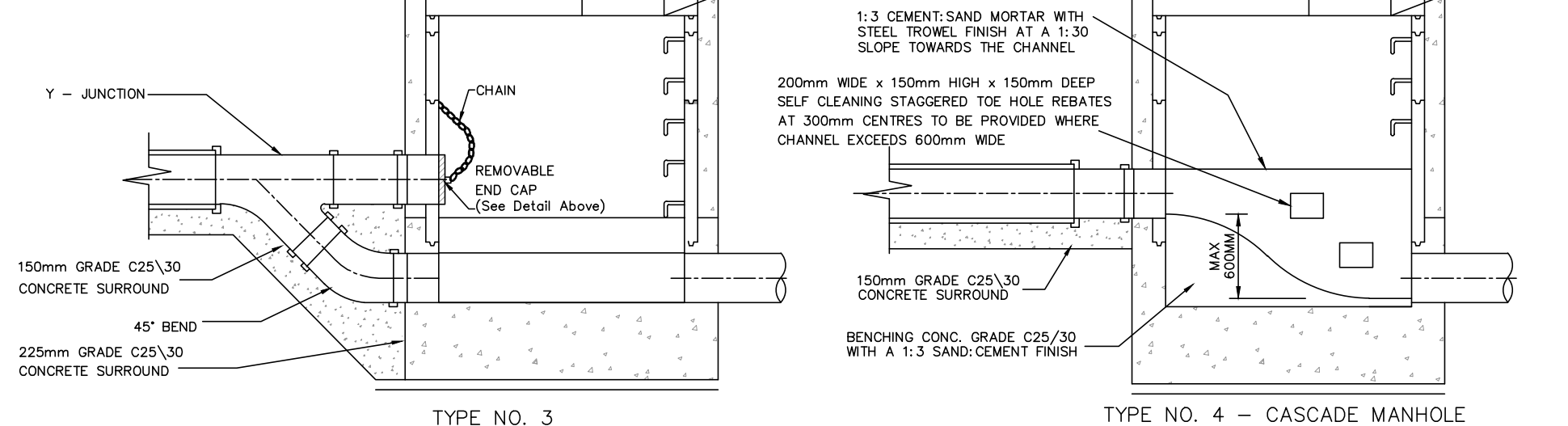
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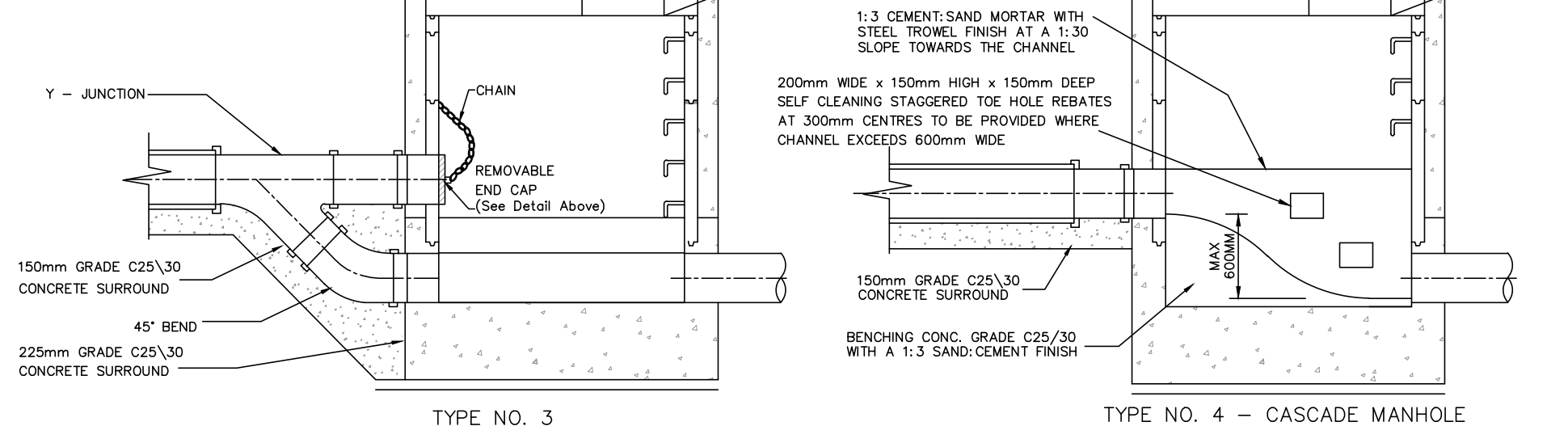
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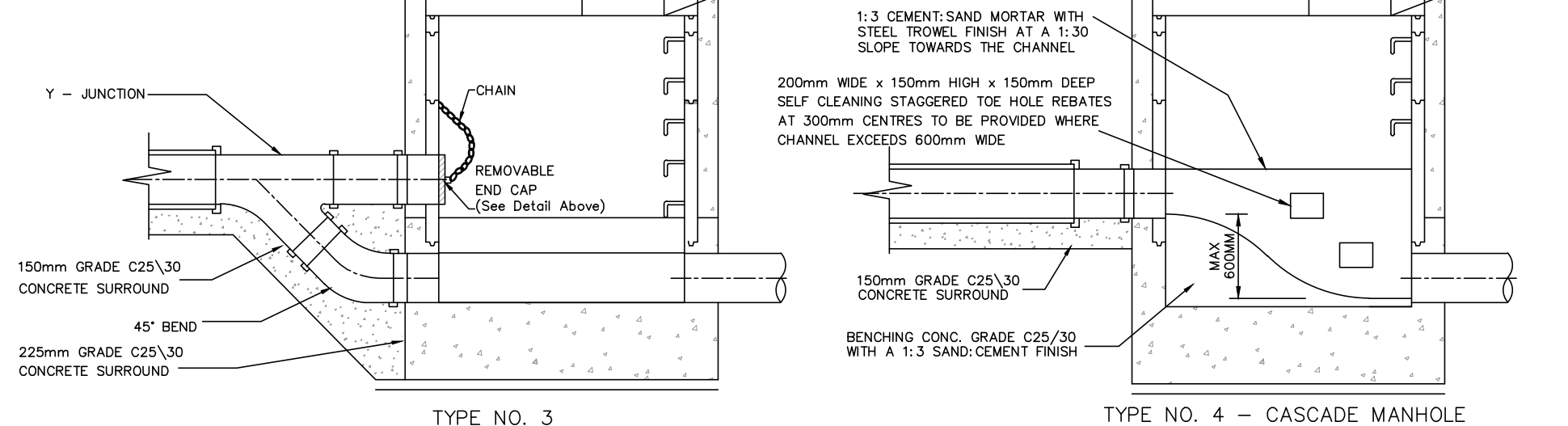
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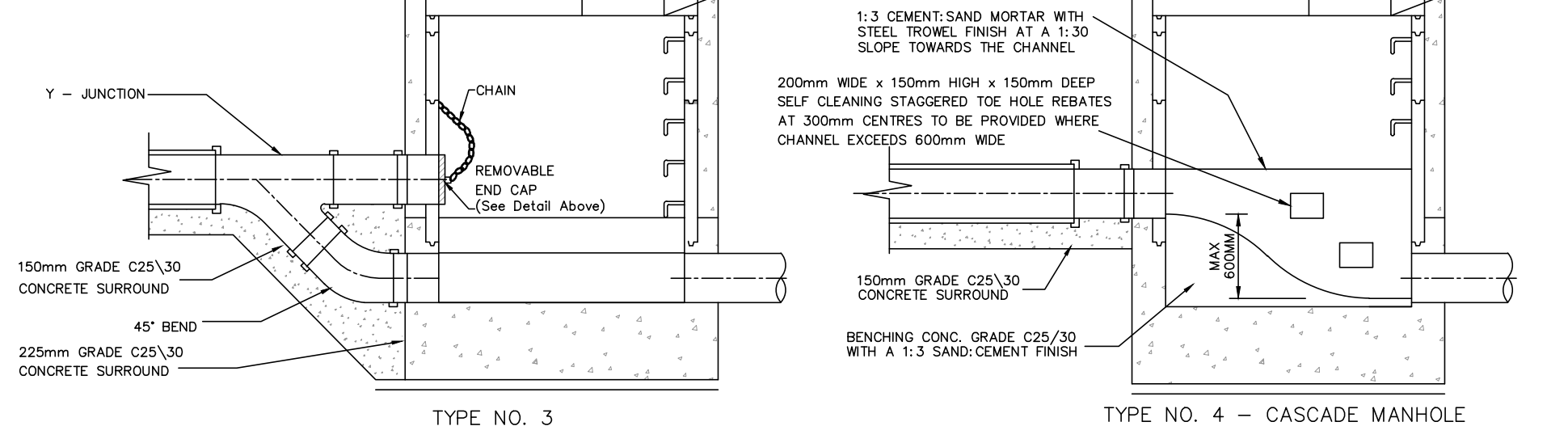
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(SEWERS GREATER THAN 450mm Ø ARE OUTSIDE THE SCOPE OF THE STANDARD DETAILS.)

STD-WW-12 BACKDROP AND CASCADE MANHOLES



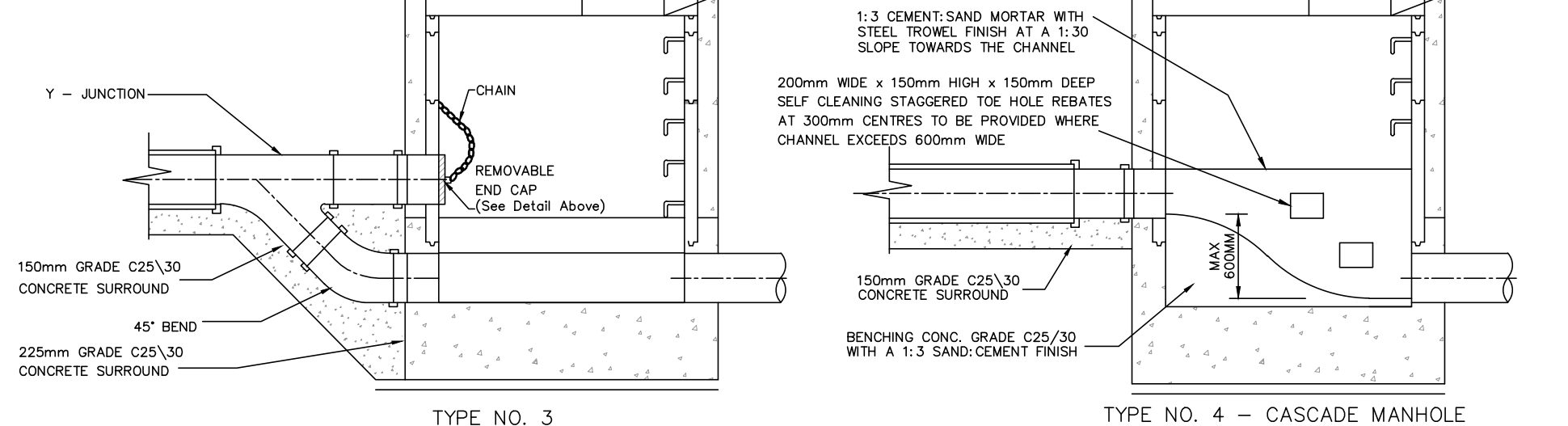
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STD-WW-12 BACKDROP AND CASCADE MANHOLES



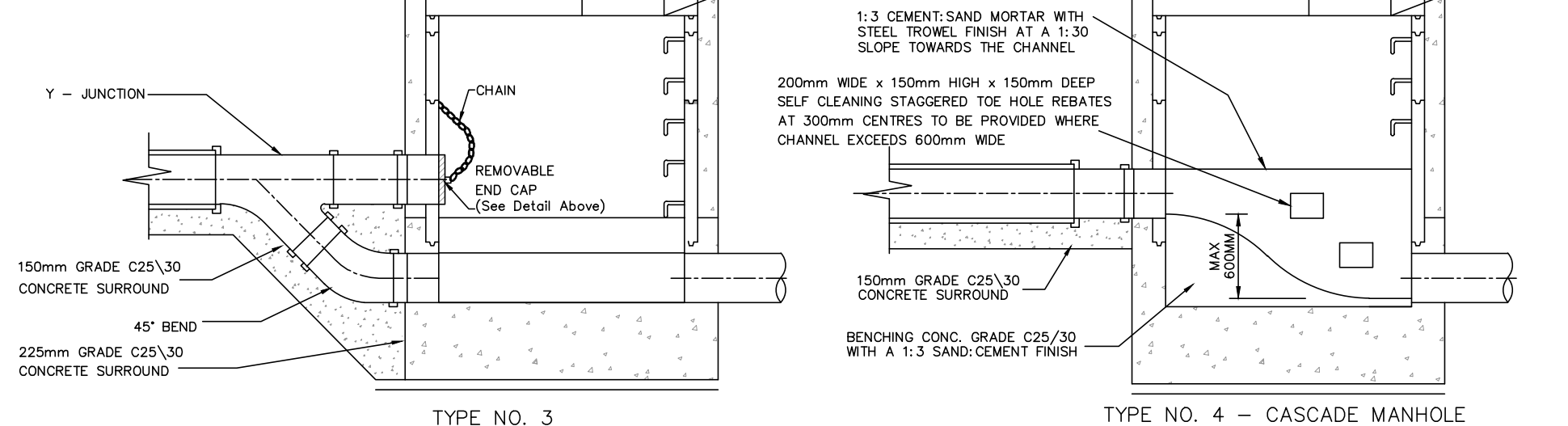
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STD-WW-12 BACKDROP AND CASCADE MANHOLES



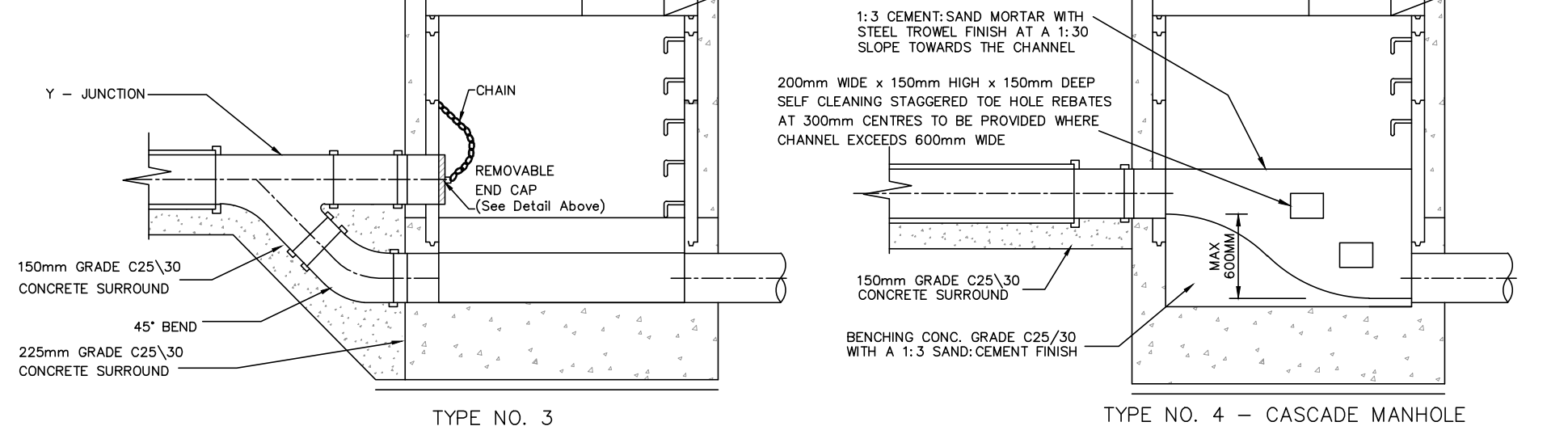
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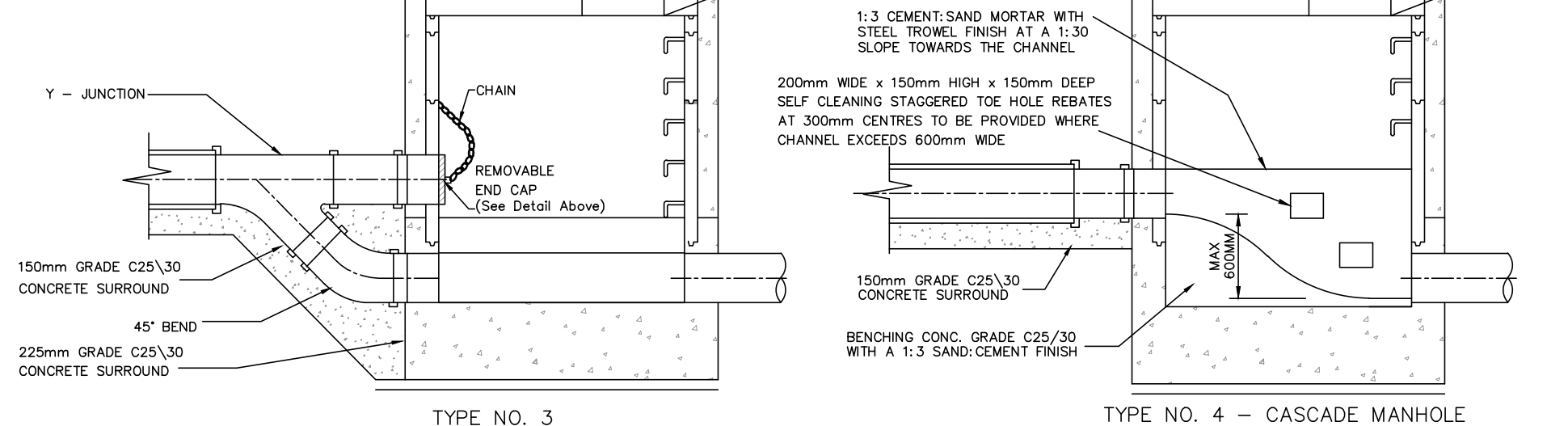
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STD-WW-12 BACKDROP AND CASCADE MANHOLES



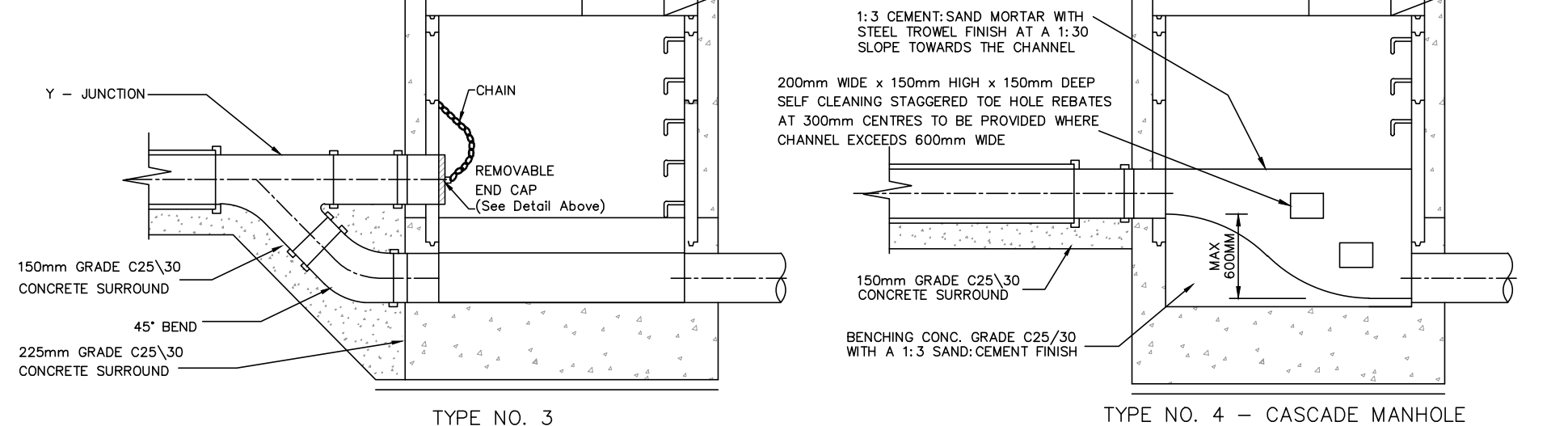
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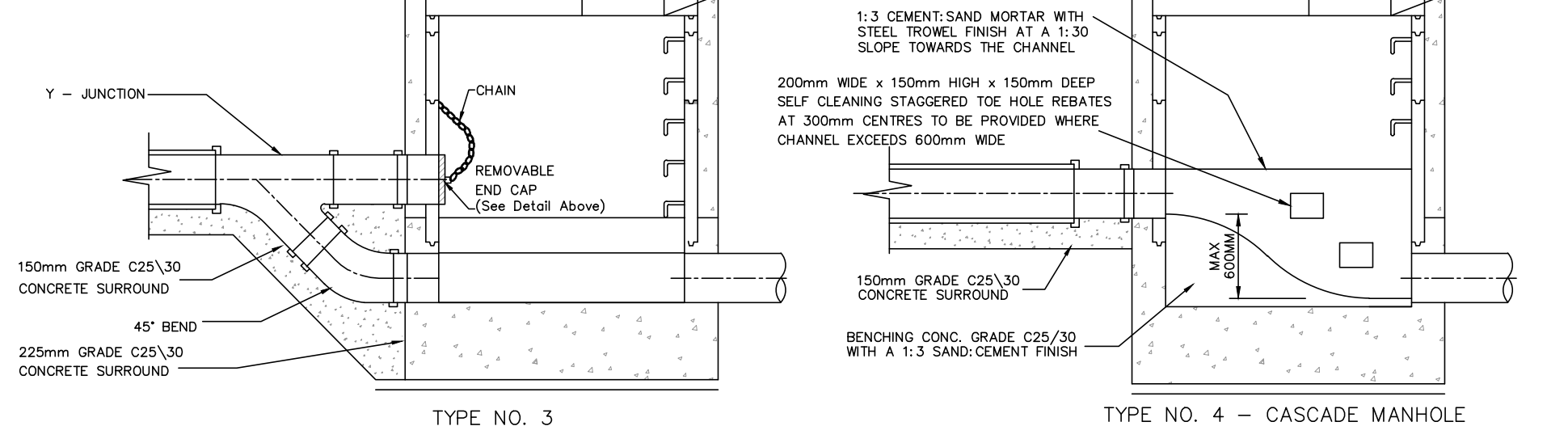
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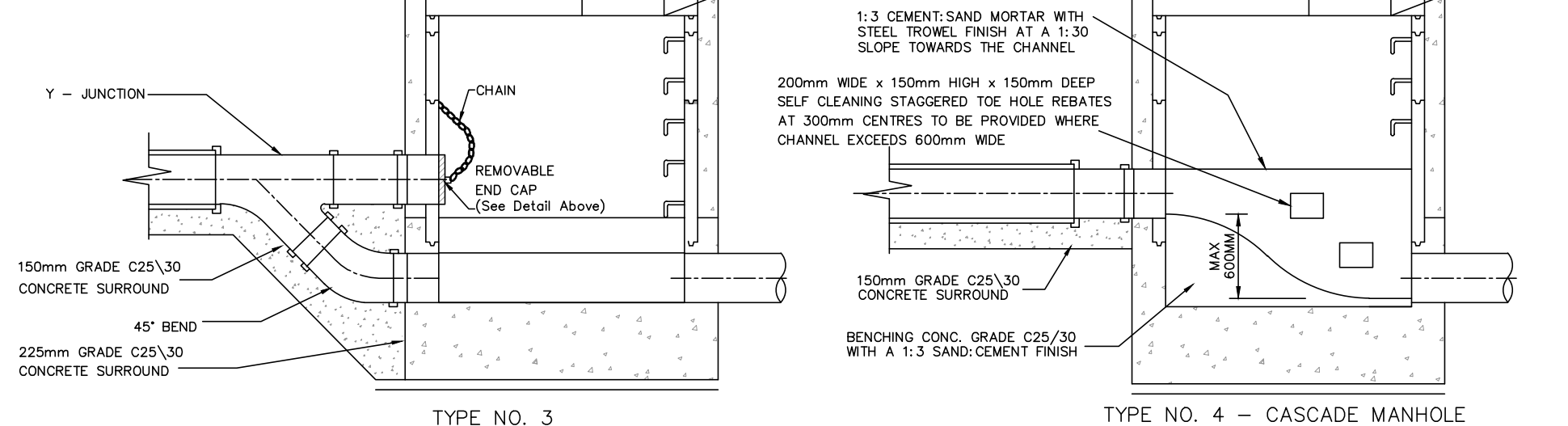
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STD-WW-12 BACKDROP AND CASCADE MANHOLES



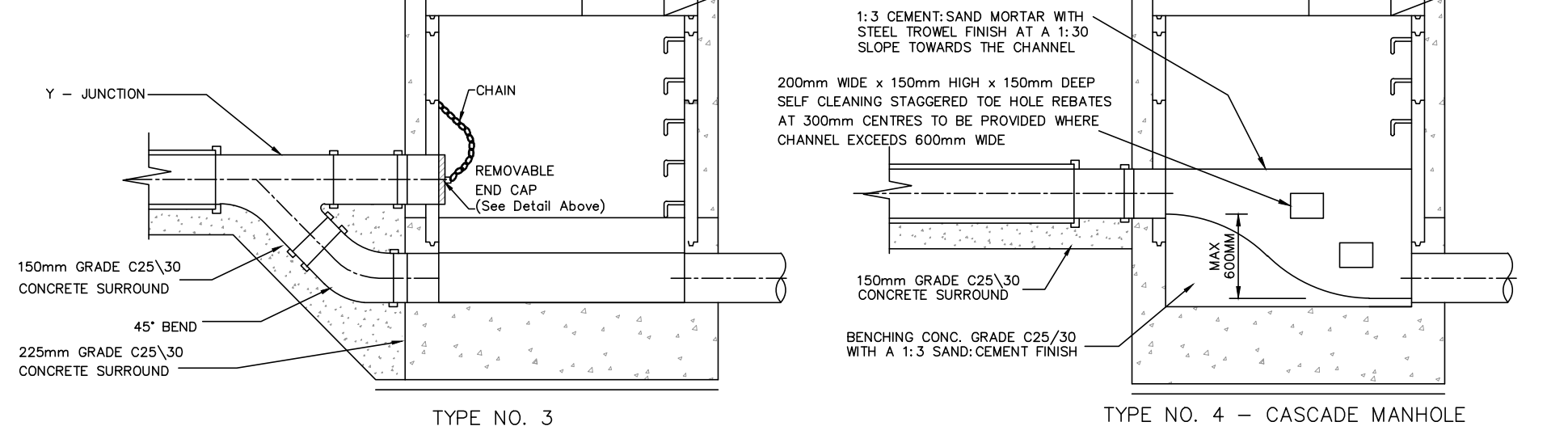
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STD-WW-12 BACKDROP AND CASCADE MANHOLES



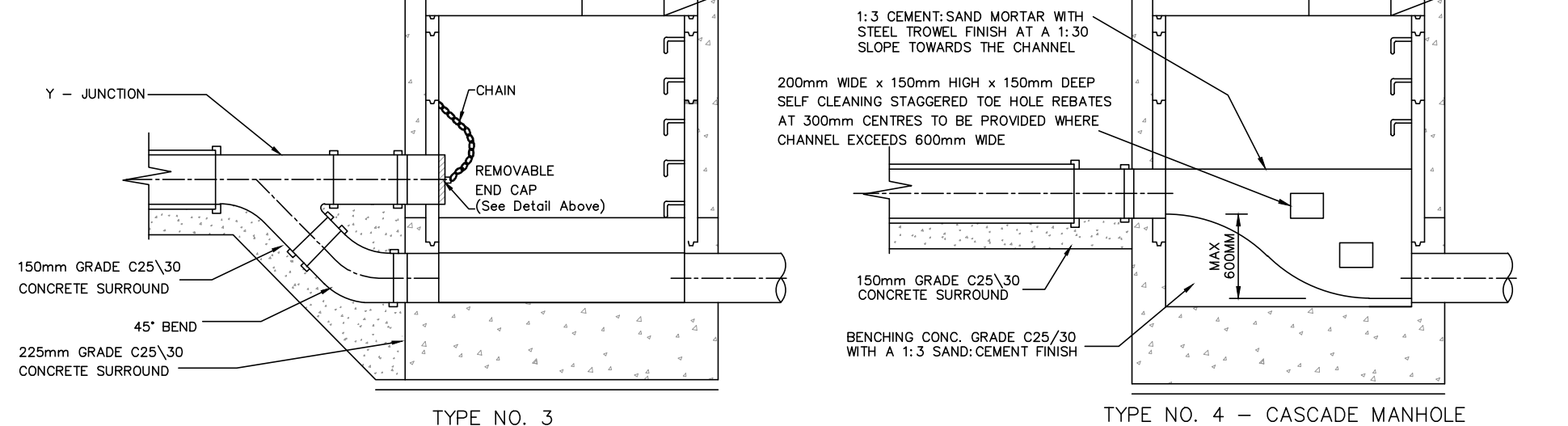
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STD-WW-12 BACKDROP AND CASCADE MANHOLES



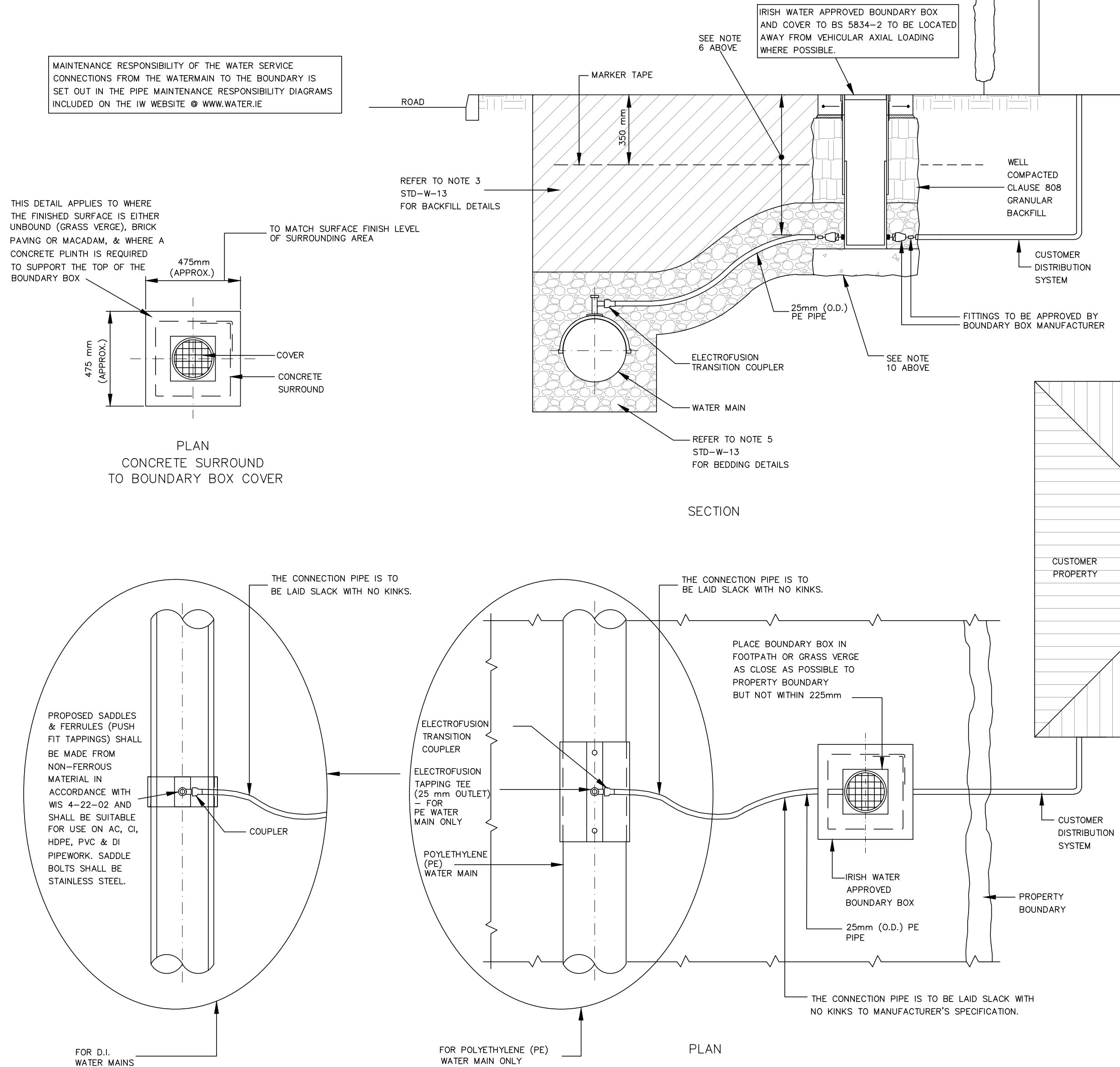
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+500mm - 90

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFICATIONS. DO NOT SCALE FROM THIS DRAWING. FIGURE DIMENSION ONLY TO BE USED. ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT WHERE SHOWN. ALL LEVELS ARE IN METRES. ANY DISCREPANCIES ON THIS DRAWING OR ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY. THIS DRAWING IS THE PROPERTY OF JA GORMAN CONSULTING ENGINEERS & PROJECT MANAGERS, IT IS A CONFIDENTIAL DOCUMENT AND MUST NOT BE COPIED, OR ITS CONTENT DIVULGED WITHOUT PRIOR WRITTEN CONSENT. THIS DRAWING HAS BEEN PRODUCED ELECTRONICALLY AND MAY HAVE BEEN PHOTO REDUCED OR ENLARGED WHEN COPIED. HENCE, DO NOT RELY ON ANY SCALES QUOTED. ALL INFORMATION PROVIDED IS SUBJECT TO AMENDMENT AT DETAILED DESIGN STAGE. THE ENGINEERING INFORMATION PROVIDED ON THIS DRAWING IS INTENDED FOR PLANNING PURPOSES ONLY.

- GENERAL NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 2. FOR CONNECTION TO AN EXISTING MAIN THE CONNECTION SHALL BE AS PER THE PIPE MANUFACTURER'S SPECIFICATION.
 3. ELECTROFUSION COUPLING TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 4. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.

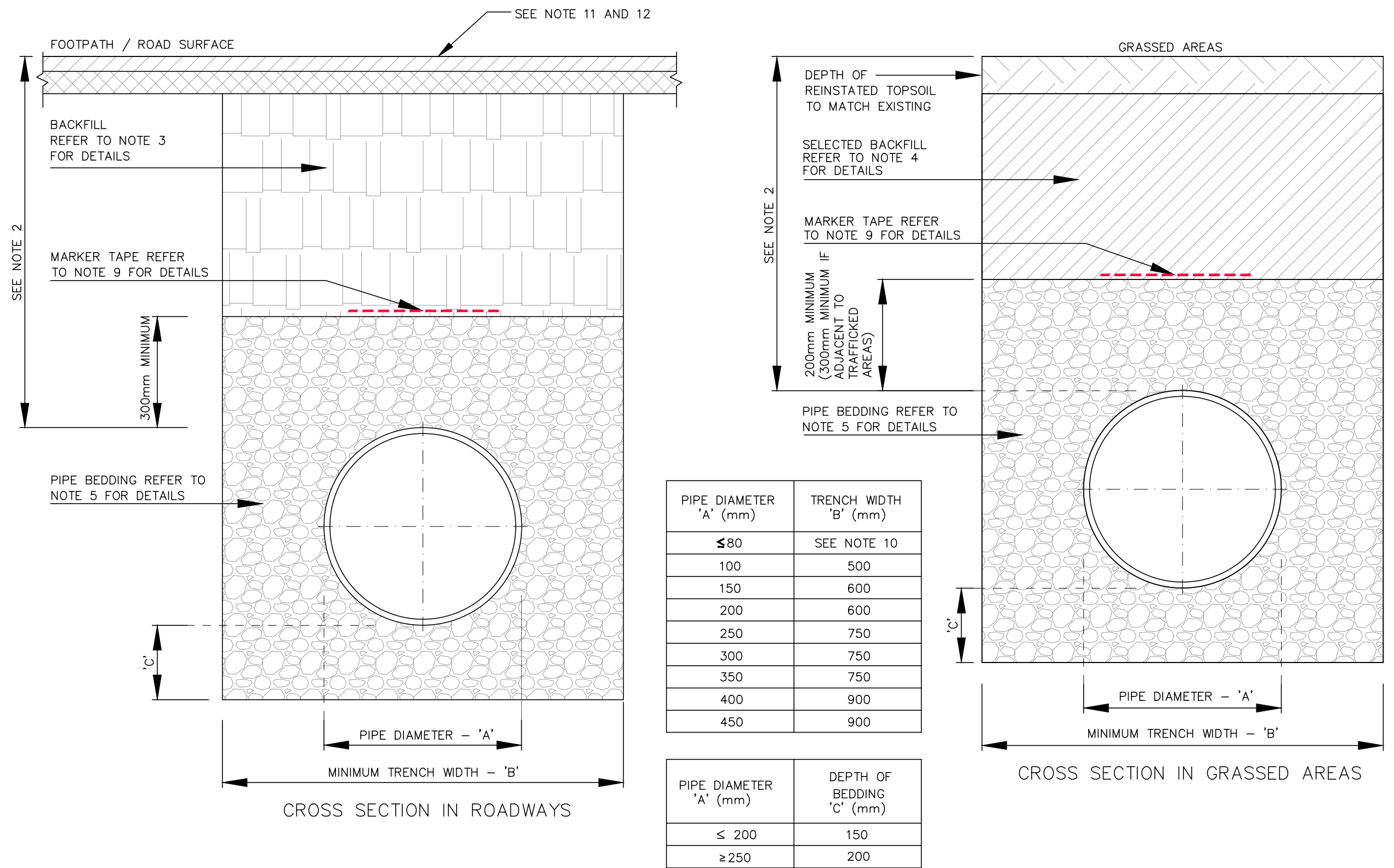
BOUNDARY BOX NOTES:

1. THE BOUNDARY BOX IS TO BE IN ACCORDANCE WITH THE IRISH WATER SPECIFICATION, INCORPORATING A G1.5 MANIFOLD, STOP-TAP, FROST PLUG & NON-RETURN VALVE.
2. THE BOUNDARY BOX SHALL BE POSITIONED IN PUBLIC SPACE & AS CLOSE AS POSSIBLE TO THE PROPERTY BOUNDARY BUT NO PART OR FITTING TO BE WITHIN 225mm OF THE PROPERTY LINE.
3. THIS BOUNDARY BOX SHALL BE LOCATED WHERE IT IS SAFE TO OPEN THE COVER & ACCESS THE STOP TAP OR VISUALLY READ THE METER, i.e. ON A FOOTPATH OR VERGE, & NOT IN A CARRIAGEWAY.
4. THE SURFACE BOX COVER ON THE BOUNDARY BOX SHOULD BE NOT LESS THAN GRADE C (BS 5834-2-2011); & THE BOUNDARY BOX SHOULD BE LOCATED SUCH THAT HEAVIER GRADES OF COVER WOULD NOT BE REQUIRED.
5. THE SHAFT OF THE BOUNDARY BOX IS TO BE INSTALLED VERTICALLY, & THE SURFACE BOX/COVER INCINED TO MATCH THE SURFACE GRADIENT.
6. THE BOUNDARY BOX IS TO BE INSTALLED AT A MINIMUM DEPTH OF 600mm (+/- 25mm) TO THE CROWN OF THE INLET & OUTLET FITTINGS ON THE OUTSIDE OF THE BOX.
7. THE SERVICE CONNECTION PIPE SHALL NOT BE WRAPPED AROUND THE SHAFT OF THE BOUNDARY BOX OR BENT IN ANY RADIUS LESS THAN THAT APPROVED BY THE MANUFACTURER.
8. THE PIPE FITTINGS TO THE BOUNDARY BOX SHALL BE APPROVED BY THE BOUNDARY BOX MANUFACTURER.
9. THE BOUNDARY BOX SHALL BE INSTALLED HYGIENICALLY & LEFT CLEAN & FREE OF CONSTRUCTION WASTE OR DIRT FOR LATER METER INSTALLATION BY IRISH WATER.
10. BOX TO BE FOUNDED ON 100mm DEPTH OF C12/15 CONCRETE AND SURROUNDED WITH CLAUSE 808 GRANULAR MATERIAL.
11. THE DESIRABLE MINIMUM COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF A SERVICE CONNECTION SHALL BE 750mm WITH AN ABSOLUTE MINIMUM DEPTH OF 600mm FOR SHORT DISTANCES (SUBJECT TO IRISH WATER AGREEMENT). THE DESIRABLE MAXIMUM COVER FOR A SERVICE CONNECTION PIPE SHOULD BE 1200mm, WHERE PRACTICABLE.
12. CUSTOMER'S DISTRIBUTION PIPEWORK WITHIN THE PREMISES SHOULD BE SUITABLY SIZED TO ACCOMMODATE FLOW FROM 20mm INTERNAL DIAMETER SERVICE PIPE.
13. WHERE A GRASS VERGE IS NOT AVAILABLE AND A FOOTPATH IS LESS THAN 1.5m WIDE, THE WATERMAIN IS PERMITTED ON THE ROADWAY.
14. THE POSITION OF THE METER DOES NOT REPRESENT THE CHANGE OF OWNERSHIP IN THE SERVICE PIPE. THAT POINT IS NORMALLY AT THE PROPERTY BOUNDARY.
15. THE BOUNDARY BOX ACCOMMODATES DN15, DN20 AND DN25 CONCENTRIC METERS. A G1 1/2" MANIFOLD IS TO BE USED FOR DN25 METERS.



STD-W-03
CUSTOMER CONNECTION AND BOUNDARY BOX
(25MM OD PIPE)

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE
2. THE MINIMUM DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF THE PIPE SHALL BE 900mm WHERE THE PIPE IS TO BE LOCATED IN HOUSING ESTATE ROADS. GREATER DEPTHS OF COVER AND/OR PIPE STRENGTH AND/OR A HIGHER CLASS OF BEDDING MATERIAL MAY BE REQUIRED WHERE HIGH TRAFFIC LOADING IS ANTICIPATED. THE DESIRABLE COVER FOR A WATERMAIN SHOULD BE 1200mm, WHERE PRACTICABLE & SHOULD NOT EXCEED 3.0m.
3. CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS IS TO BE USED AS BACKFILL MATERIAL WHERE THE WATER MAIN IS LOCATED IN ROADS, FOOTPATHS OR WHEN THE NEAREST PART OF THE TRENCH IS WITHIN 1m OF THE PAVED EDGE OF THE ROADWAY. CLAUSE 804 / 808 IS TO BE COMPACTED AS PER CLAUSE 802 OF THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. CLAUSE 808 IS TO BE USED WITHIN 500mm OF CEMENT BOUND MATERIALS, CONCRETE PAVEMENTS, CONCRETE STRUCTURES OR CONCRETE PRODUCTS. OTHERWISE CLAUSE 804 MAY BE USED. ALTERNATIVE BACKFILL MATERIAL TO THAT DESCRIBED ABOVE (CLAUSE 804 OR CLAUSE 808) OF THE PIPE TRENCH WILL ONLY BE ALLOWED BY IRISH WATER WHERE THE ROADS AUTHORITY IN WHOSE FUNCTIONAL AREA THE DEVELOPMENT IS LOCATED, PROVIDES WRITTEN APPROVAL TO THE DEVELOPER TO THE USE SUCH ALTERNATIVE MATERIAL.
4. SELECTED EXCAVATED MATERIAL MAY BE USED IN GREEN-FIELD AREAS ABOVE GRANULAR PIPE SURROUND MATERIAL SUBJECT TO REVIEW BY IRISH WATER.
5. PIPE BEDDING SHALL COMPLY WITH WS 4-08-02 AND IGN 4-08-01 GRANULAR MATERIAL SHALL BE 14mm to 5mm (d/D 2/14) GRADED AGGREGATE OR 10mm ϕ /D 4/10) SINGLE SIZED AGGREGATE TO IS EN 13242.
6. IN SOFT GROUND CONDITIONS (CBR < 5) THE MATERIAL SHOULD BE EXCAVATED OUT AND DISPOSED OF IN ACCORDANCE WITH THE WASTE MANAGEMENT ACT AND CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS SHALL REPLACE THE EXCAVATED MATERIAL, WRAPPED IN GEO-TEXTILE WRAPPING. ALTERNATIVELY, SPECIAL PIPE SUPPORT ARRANGEMENTS, INCLUDING PILING ETC. MAY BE REQUIRED WHERE THE DEPTH OF SOFT MATERIAL IS EXCESSIVE. SUCH ARRANGEMENTS SHALL BE SUBJECT TO ASSESSMENT BY IRISH WATER BEFORE ADVANCING WITH THE WORK.
7. PIPES SHALL NOT BE SUPPORTED ON STONES OR ROCKS, OR ANY HARD OBJECT AT ANY POINT ALONG THE TRENCH. ROCK SHALL BE EXCAVATED TO A DEPTH OF 150mm BELOW THE ACTUAL DEPTH OF THE TRENCH WITH THE VOID FILLED WITH CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. THE GRANULAR MATERIAL SHALL BE LAID ABOVE THIS VOID BACKFILL MATERIAL.
8. SHOULD MINIMUM COVER NOT BE ACHIEVABLE, CONCRETE GRADE C8/10 SHALL BE USED AS BACKFILL MATERIAL.
9. MARKER TAPE TO BE 400mm WIDE BLUE POLYETHYLENE MATERIAL IN ACCORDANCE WITH EN 12163, PLASTIC PIPES SHALL HAVE WARNING TAPE INCORPORATED A REINFORCED BAND BRACING WIRE. SERVICE PIPES SHALL HAVE 200mm WIDE MESH TAPE. MARKER TAPE TO BE LAID AT TOP OF PIPE BEDDING LAYER.
10. TRENCH WIDTHS FOR PIPE SIZES ≤ 80 mm MAY BE ≤ 500 mm, SUBJECT TO CONSIDERATION BEING GIVEN TO THE TRENCH DEPTH, HEALTH & SAFETY & CONSTRUCTION ACCESS REQUIREMENTS.
11. NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
12. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.



STD-W-13
TRENCH BACKFILL / BEDDING
& REDUCED COVER PROTECTION SLAB DETAIL

13. FOR ANY SLABBING WORKS TO BE CARRIED OUT WITHIN THE VICINITY OF THE PIPELINE, A METHOD STATEMENT IS TO BE SUBMITTED FOR APPROVAL BY IRISH WATER.
14. MARKER TAPE TO BE PLACED ABOVE THE PROTECTION SLAB ALONG THE DIRECTION OF THE PIPELINE.
15. CONCRETE TO BE GRADE C30/35
16. MINIMUM COVER TO STEEL REINFORCEMENT = 40mm
17. SLABS TO BE DESIGNED FOR USE UNDER A HB25 LOAD IN ACCORDANCE WITH BS 5400-2 DESIGN TO BE SUBMITTED TO IRISH WATER FOR ASSESSMENT PRIOR TO INSTALLATION
18. THE SOIL ON WHICH THE SLAB RESTS MUST HAVE A CBR OF 4% OR GREATER. WHERE THE CBR IS LESS THAN 4% THE MATERIAL SHALL BE REMOVED AND REPLACED WITH IMPORTED GRANULAR MATERIAL AS APPROVED BY IRISH WATER.
19. IF DIRECTION OF PIPELINE AND DIRECTION OF TRAFFIC FLOW ARE PARALLEL, THE DIRECTION OF LAY OF THE SLAB IS TO BE AGAINST THE DIRECTION OF TRAFFIC FLOW.
20. IF PIPELINE PROTECTION SLAB IS TO BE USED SOLELY FOR IMPACT PROTECTION & OVERALL DEPTH OF COVER IS GREATER THAN 1.2m, THE DISTANCE BETWEEN UNDERSIDE OF SLAB & TOP OF PIPE MAY BE INCREASED AFTER CONSULTATION WITH IRISH WATER.

B	WP	AOD	JG	ISSUED FOR PLANNING	10.12.2025
A	WP	AOD	JG	ISSUED FOR APPROVAL TO IW	20.10.2025
-	WP	AOD	JG	ISSUED FOR PLANNING	14.05.2025
Rev	Drawn	Chkd	Appd	Description	Date

PLANNING



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CENTREPOINT PARTNERS

PROJECT TITLE:

CENTREPOINT LRD. DEVELOPMENT AT
HARPUR'S LANE AND MOUNTATH ROAD,
MARYBOROUGH, PORTLAOISE, CO. LAOIS

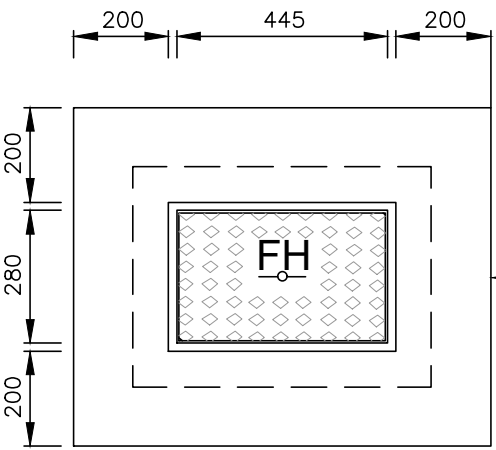
DRAWING TITLE:

WATER INFRASTRUCTURE DETAILS
SHEET 1 OF 3

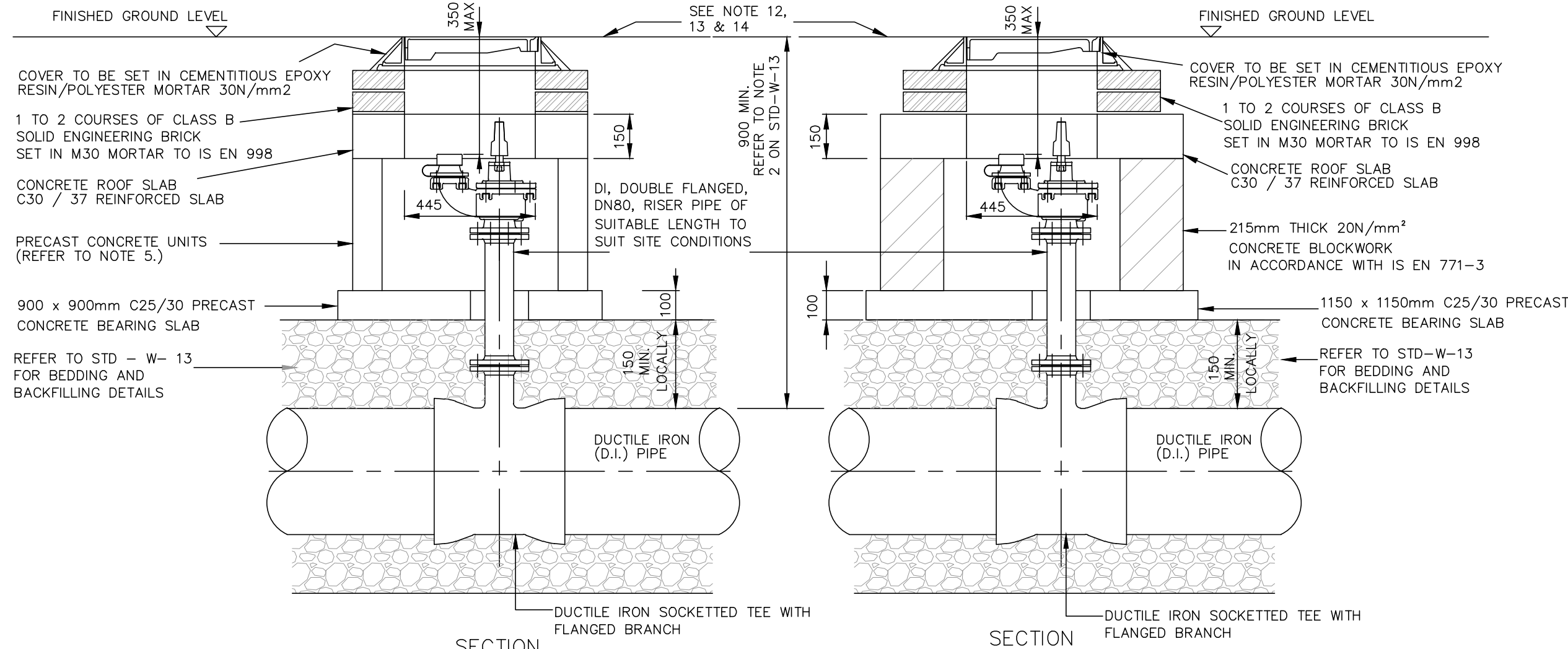
PLOT SIZE: A1	PLOT SCALE: NTS	DRAWN BY: WP
PROJECT No: 3553	DRAWING No: P3553-C011	REV: B
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1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. HYDRANT CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS 261 OR BS 5834 COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
3. ALL HYDRANTS, SURFACE BOX FRAMES & COVERS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF IS EN 14339, IS EN 1074-6 & BS 750. FIRE HYDRANTS SHALL BE TYPE 2. THE HYDRANT INLET SHALL BE 80mm DIAMETER WITH PN16.
4. ALL HYDRANTS SHALL BE CLOCKWISE CLOSING.
5. HYDRANT CHAMBER TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK. ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBJECT TO REVIEW BY IRISH WATER. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS, & CONSIST OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, GRADE C30/37, WITH A MINIMUM THICKNESS OF 150mm. ALTERNATIVELY, PRE-CAST CONCRETE ROOFS MAY BE USED, SUBJECT TO IRISH WATER REVIEW, & COMPLIANCE WITH IS EN 1917 & IS 420. PCC CHAMBER RISER UNITS SHOULD BE INTERLOCKING WHEN STACKED TO PREVENT LATERAL MOVEMENT OF INDIVIDUAL UNITS.
6. CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 808 MATERIAL AS PER STD-W-13.
7. DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545.
8. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS.
9. THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER STANDARD DRAWING STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
10. ANTI CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
11. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
12. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
13. NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
14. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.
15. THE FIRE HYDRANT OUTLET TYPE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE FIRE OFFICER FOR THE AREA AND SHALL BE AGREED PRIOR TO THE COMMENCEMENT OF WORKS.
16. THE HYDRANT SHALL BE DOUBLE FLANGED DRILLED TO PN 16, THEY SHALL COMPLY WITH IS EN 14339, IS EN 1074 PART 6 AND BS 750: 2012. THE HYDRANT SHALL INCORPORATE A SCREW DOWN GATE VALVE, UNDERGROUND "GUIDE TO HEAD" TYPE WITH A FALSE SPINDLE CAP. THE OUTLET SHALL BE IN ACCORDANCE WITH ITEM 15 ABOVE.
17. 450 x 600mm INTERNAL DIMENSION CHAMBERS MAY BE PROVIDED SUBJECT TO REVIEW BY IW. SUCH CHAMBERS SHALL BE PROVIDED WITH GRADE "A" HEAVY DUTY COVER & FRAME & STAMPED "SV", BEARING SLABS TO BE 900 x 900mm IN ALL CASES.

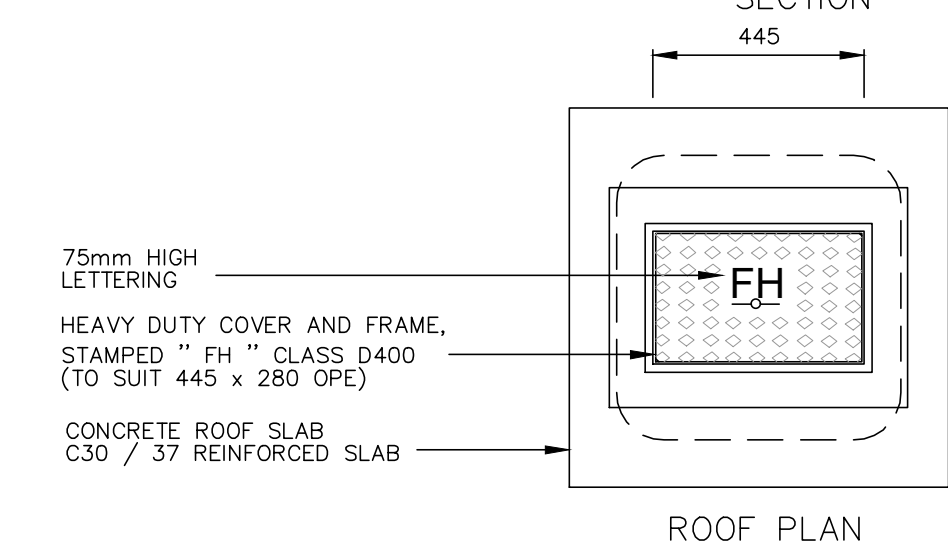


PLINTH DETAIL
IN GRASSED AREA

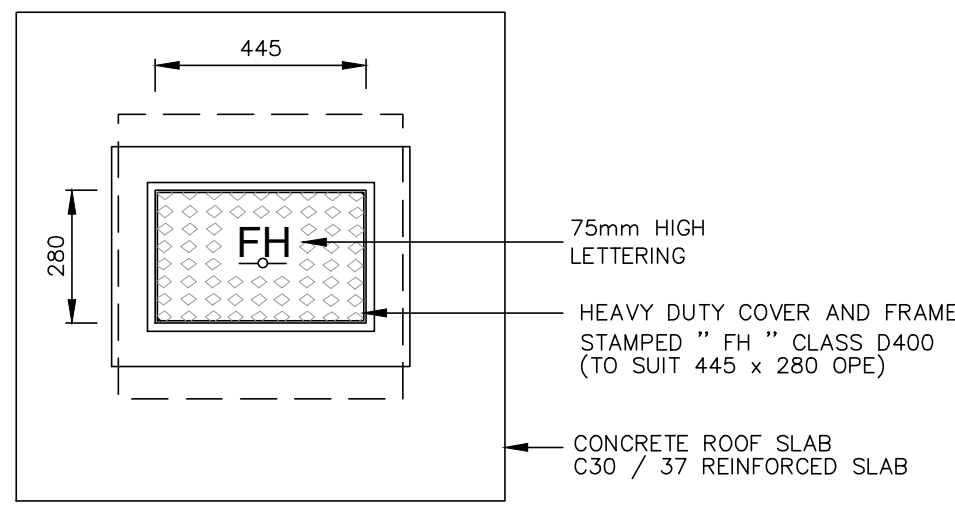


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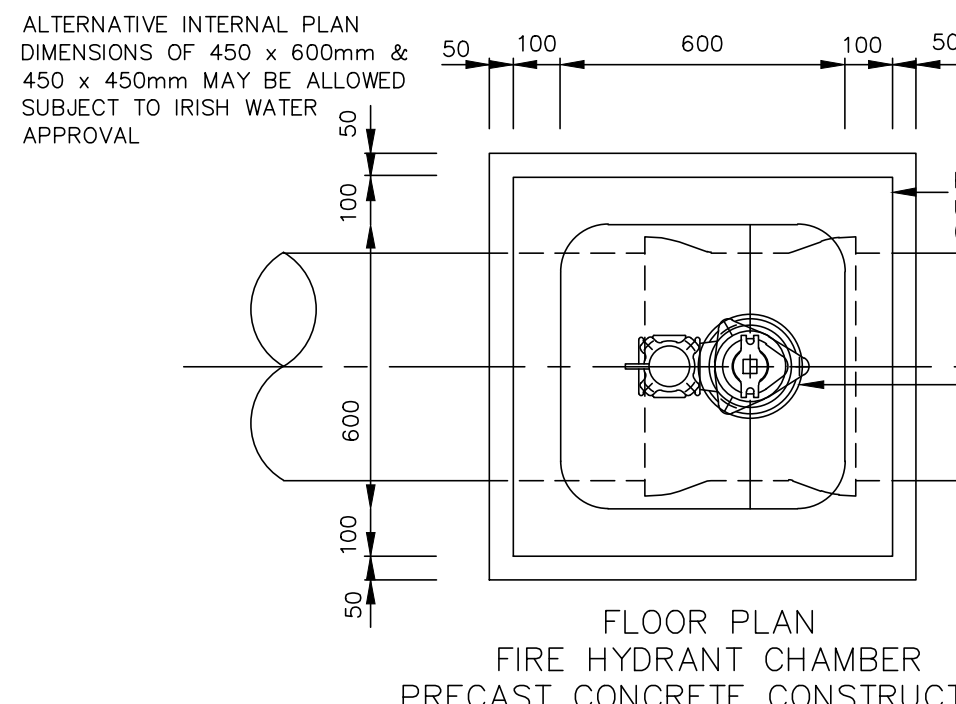
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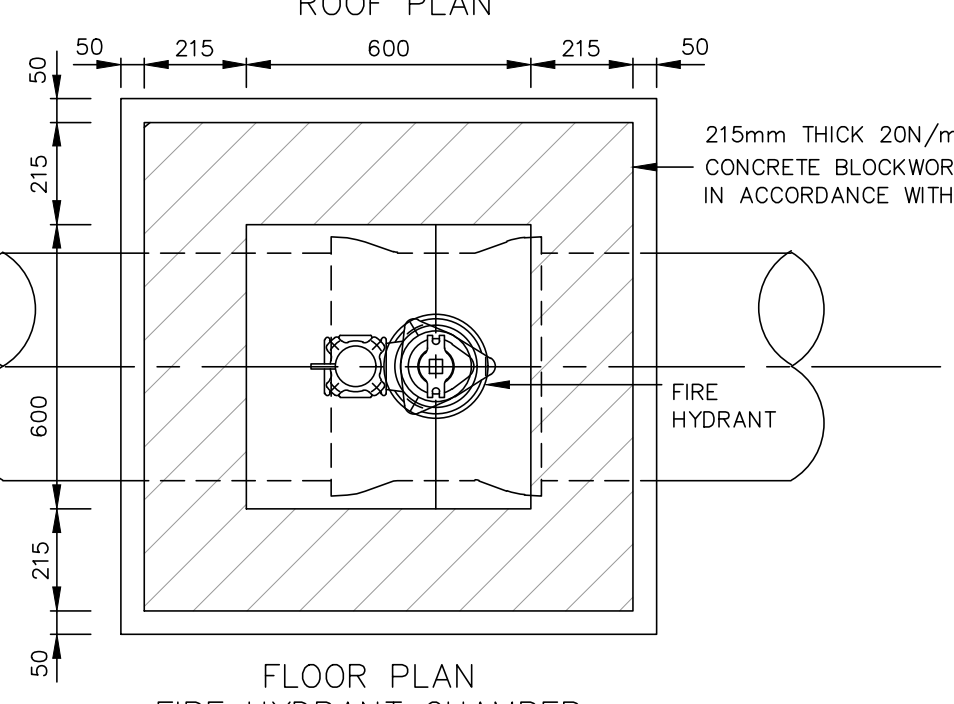
ROOF PLAN



ROOF PLAN

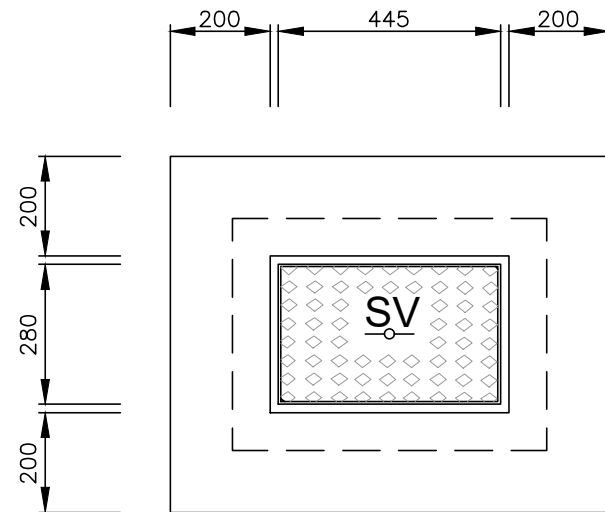


FLOOR PLAN
FIRE HYDRANT CHAMBER
PRECAST CONCRETE CONSTRUCTION

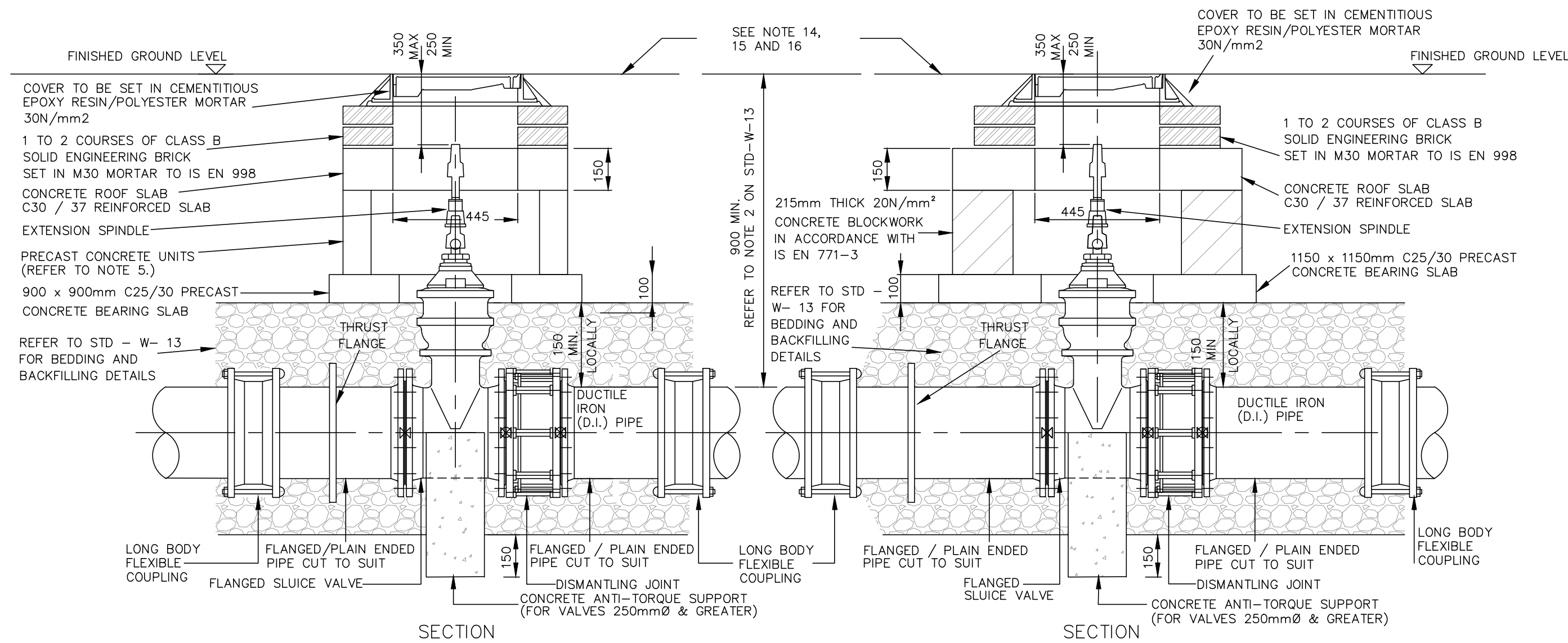


FLOOR PLAN
FIRE HYDRANT CHAMBER
BLOCKWORK CONSTRUCTION

STD-W-16
ON - LINE HYDRANT
FOR DUCTILE IRON (D.I.) PIPE

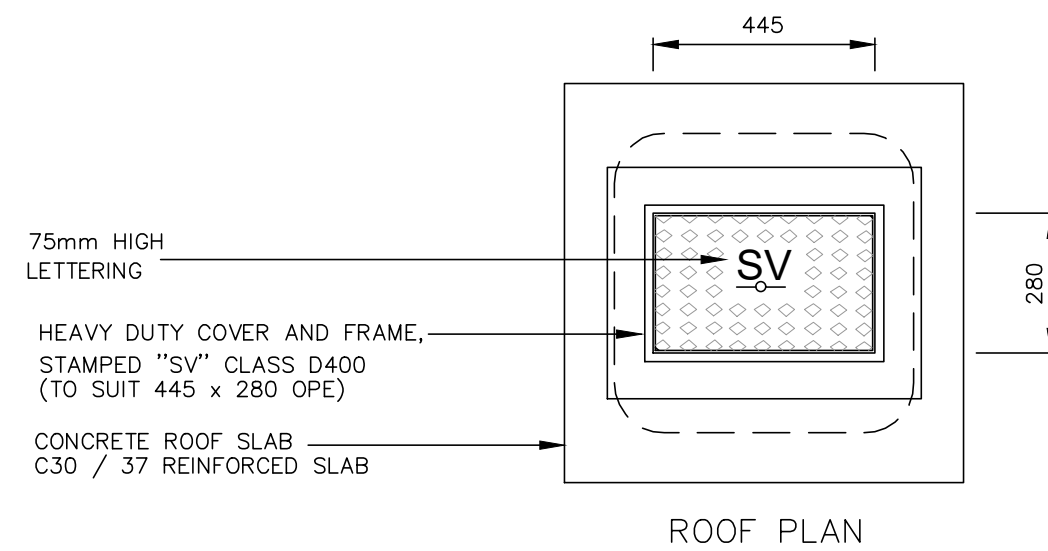


PLINTH DETAIL
IN GRASSED AREAS

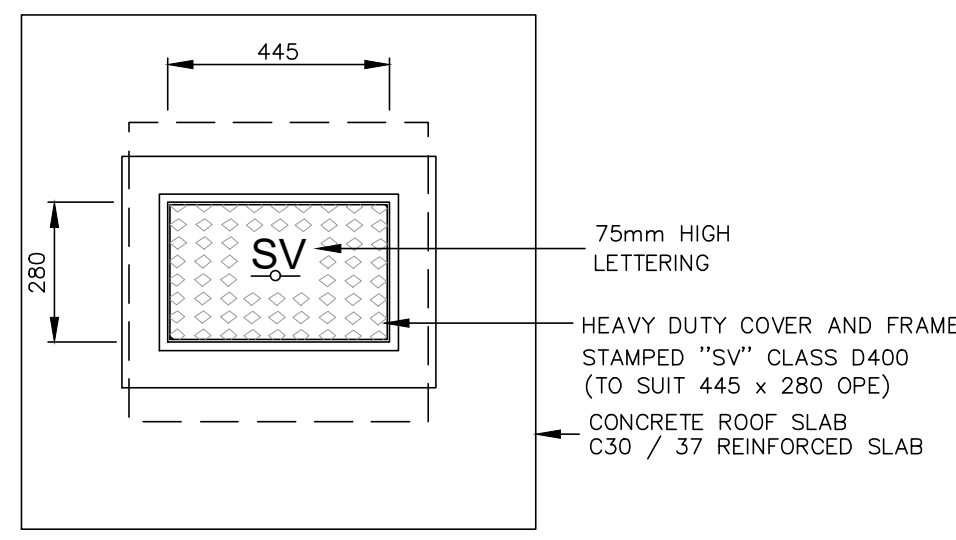


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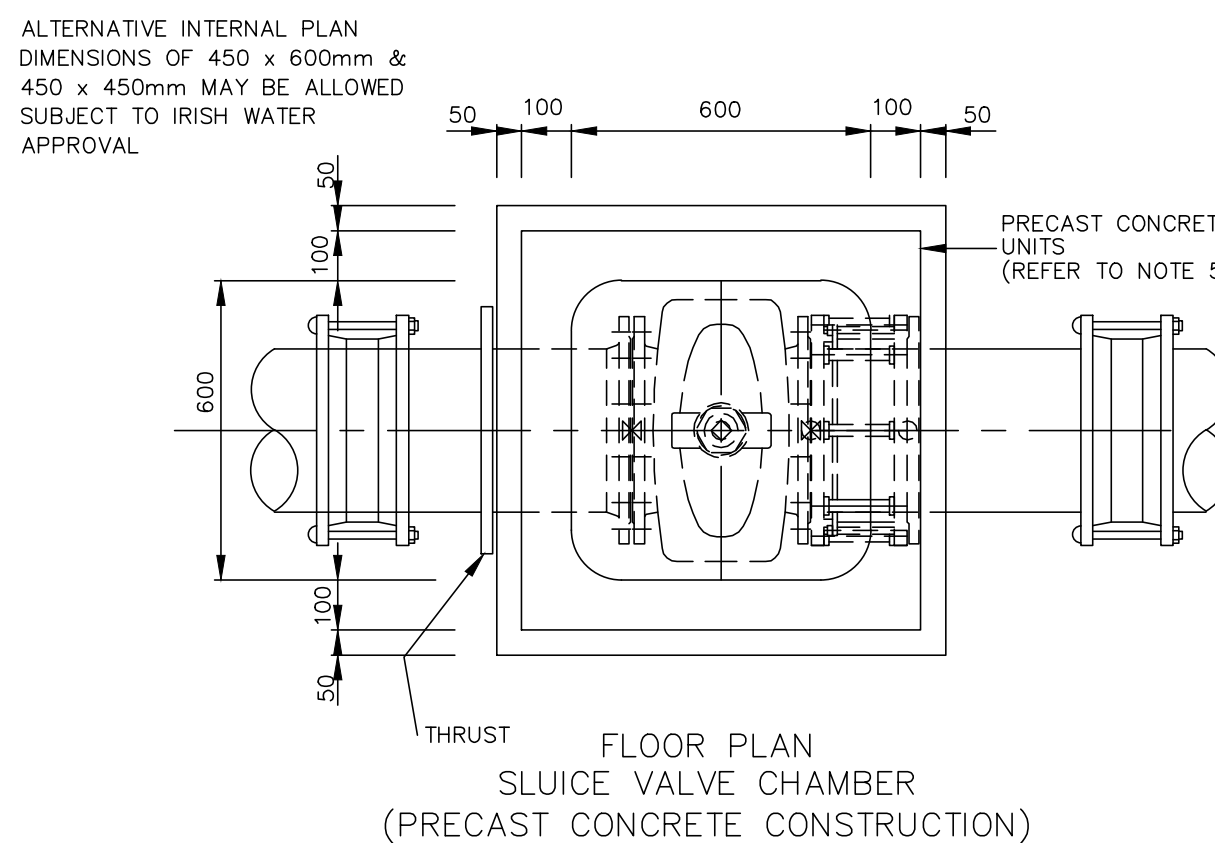
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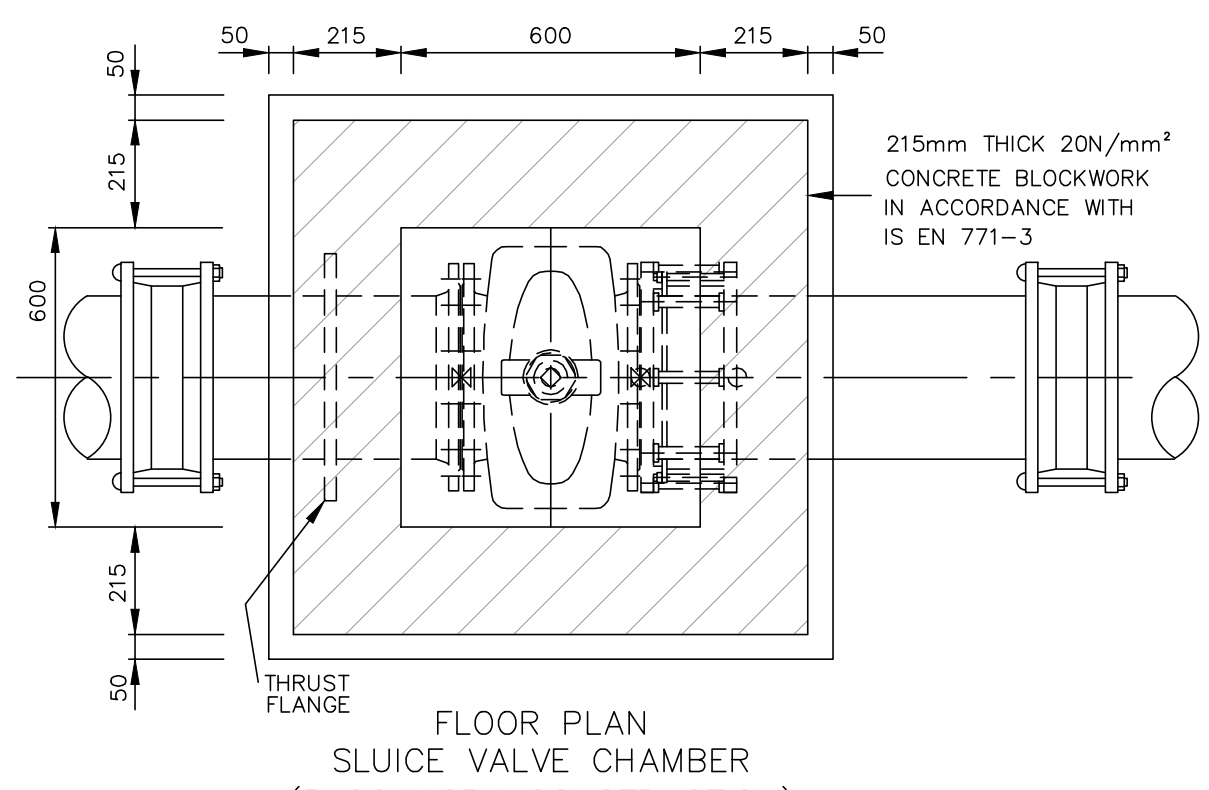
ROOF PLAN



ROOF PLAN



FLOOR PLAN
SLUICE VALVE CHAMBER
(PRECAST CONCRETE CONSTRUCTION)



FLOOR PLAN
SLUICE VALVE CHAMBER
(BLOCKWORK CONSTRUCTION)

STD-W-14
SLUICE VALVE FOR DUCTILE
IRON (D.I.) PIPE (< 350mm DIA.)

B	WP	AOD	JG	ISSUED FOR PLANNING	10.12.2025
A	WP	AOD	JG	ISSUED FOR APPROVAL TO IW	20.10.2025
-	WP	AOD	JG	ISSUED FOR PLANNING	14.05.2025
Rev	Drawn	Chkd	Appd	Description	Date

PLANNING



CLIENT: CENTREPOINT PARTNERS

PROJECT TITLE: CENTREPOINT LRD. DEVELOPMENT AT HARPUR'S LANE AND MOUNTATH ROAD, MARYBOROUGH, PORTLAOISE, CO. LAOIS

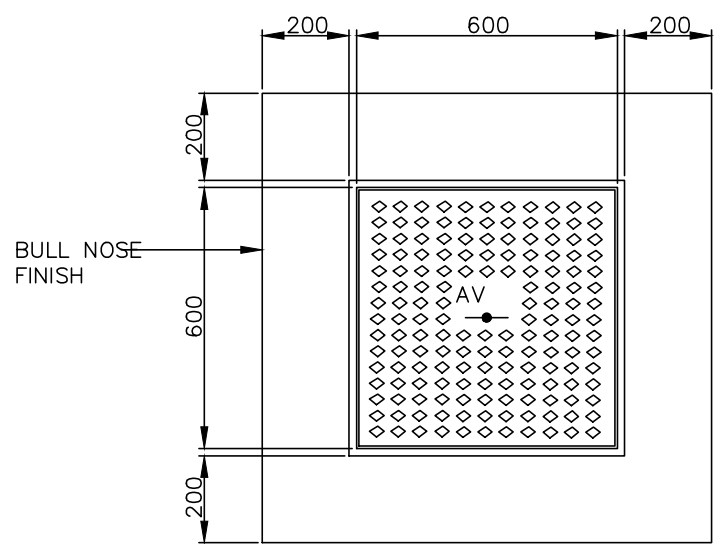
DRAWING TITLE: WATER INFRASTRUCTURE DETAILS
SHEET 2 OF 3

PLOT SIZE: A1	PLOT SCALE: NTS	DRAWN BY: WP
PROJECT No: 3553	DRAWING No: P3553-C012	REV: B
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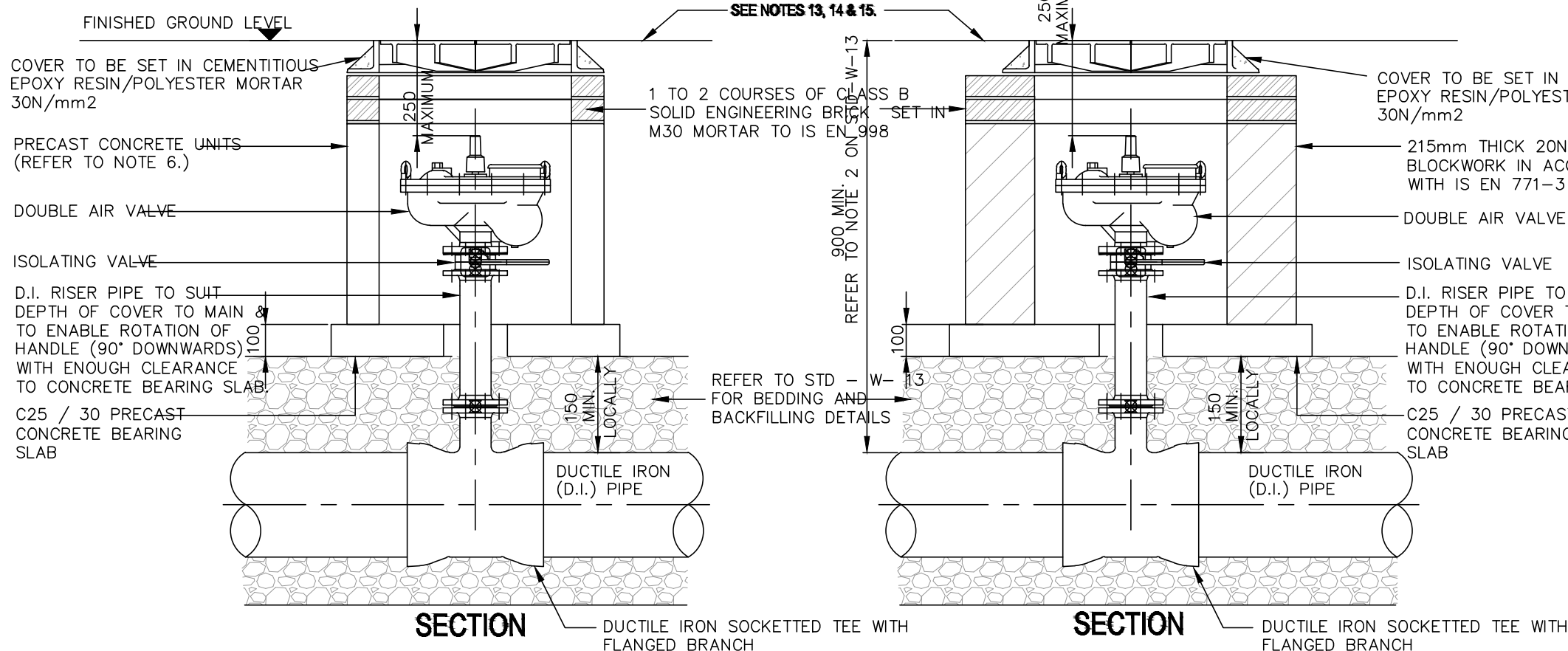
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DIAMETER OF MAIN	UP TO 250 (mm)	250 TO 350 (mm)
DIAMETER OF BRANCH	80mm	100mm
BORE OF VALVE INLET	80mm	100mm

1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. AIR VALVE CHAMBERS SHALL BE COVERED WITH APPROVED VENTILATED HEAVY DUTY DUCTILE IRON COVERS TO IS EN 124 RATING D400. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
3. AIR VALVES SHALL COMPLY WITH THE REQUIREMENTS OF IS EN 1074-4. AIR VALVES SHALL BE DOUBLE ORIFICE TYPE AND SHALL INCLUDE AN ISOLATING VALVE. THE ISOLATING VALVE SHALL BE EITHER A GATE VALVE CONFORMING TO IS EN 1074-2 & SHALL BE OF A BOLTLESS BONNET DESIGN, OR A BUTTERFLY VALVE TO IS EN 1074-2.
4. SERVICE CONNECTIONS SHALL NOT BE PROVIDED WITHIN 2m OF THE AIR VALVE LOCATION.
5. AIR VALVE CHAMBERS TO BE OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK. ALTERNATIVE PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBJECT TO REVIEW BY IRISH WATER.
6. PRECAST CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 808 MATERIAL AS PER STD-W-13.
7. DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545.
8. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS.
9. THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER STANDARD DRAWING STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
10. ANTI CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
11. THE LOCATION OF THE AIR VALVE SHALL BE THE SUBJECT OF PARTICULAR AGREEMENT WITH IRISH WATER TO ENSURE THAT THE RISK OF CONTAMINATION THROUGH THE VALVE IS ELIMINATED.
12. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
13. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
14. NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
15. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS

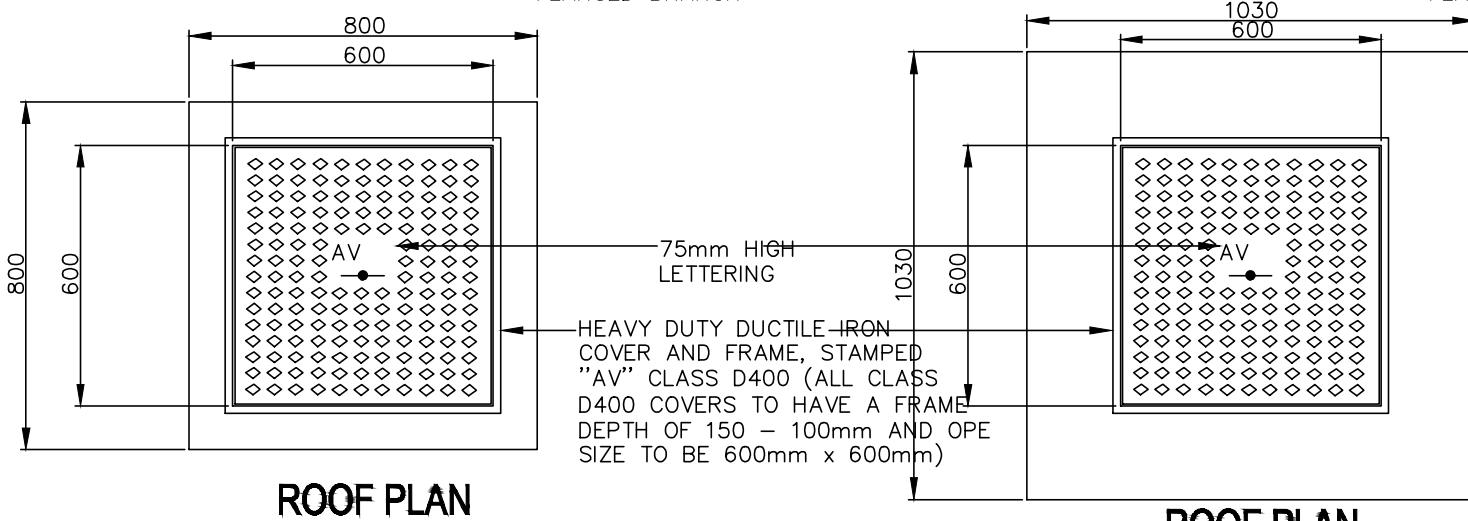


PLINTH DETAIL IN GRASS AREA



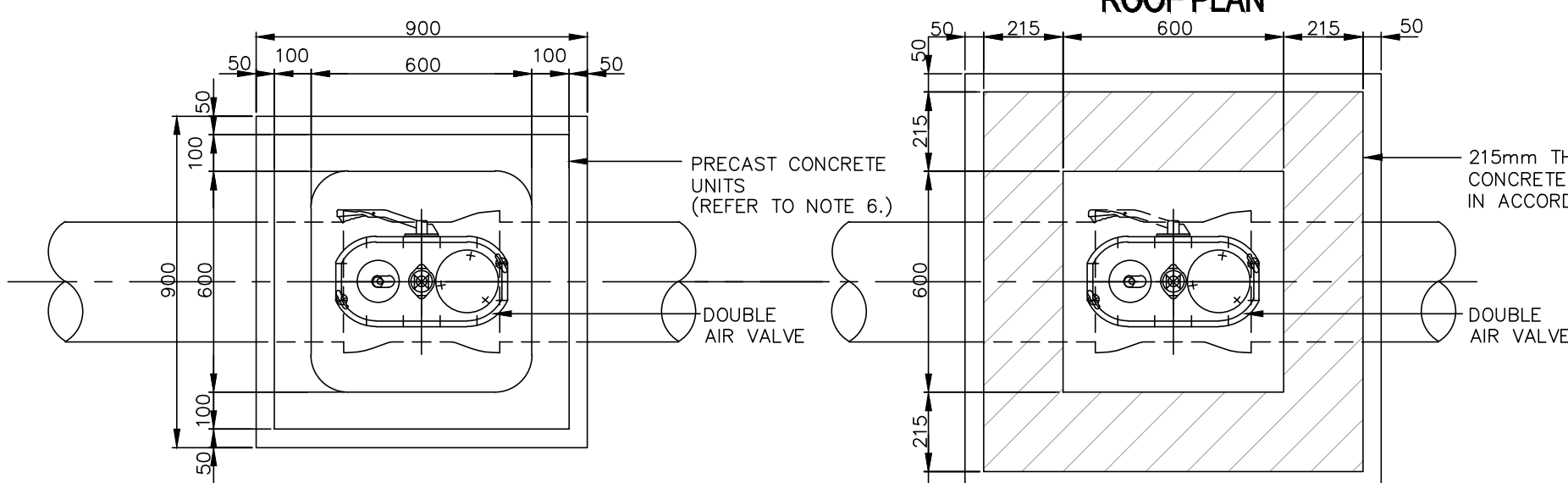
SECTION

SECTION



ROOF PLAN

ROOF PLAN



FLOOR PLAN
DOUBLE AIR VALVE

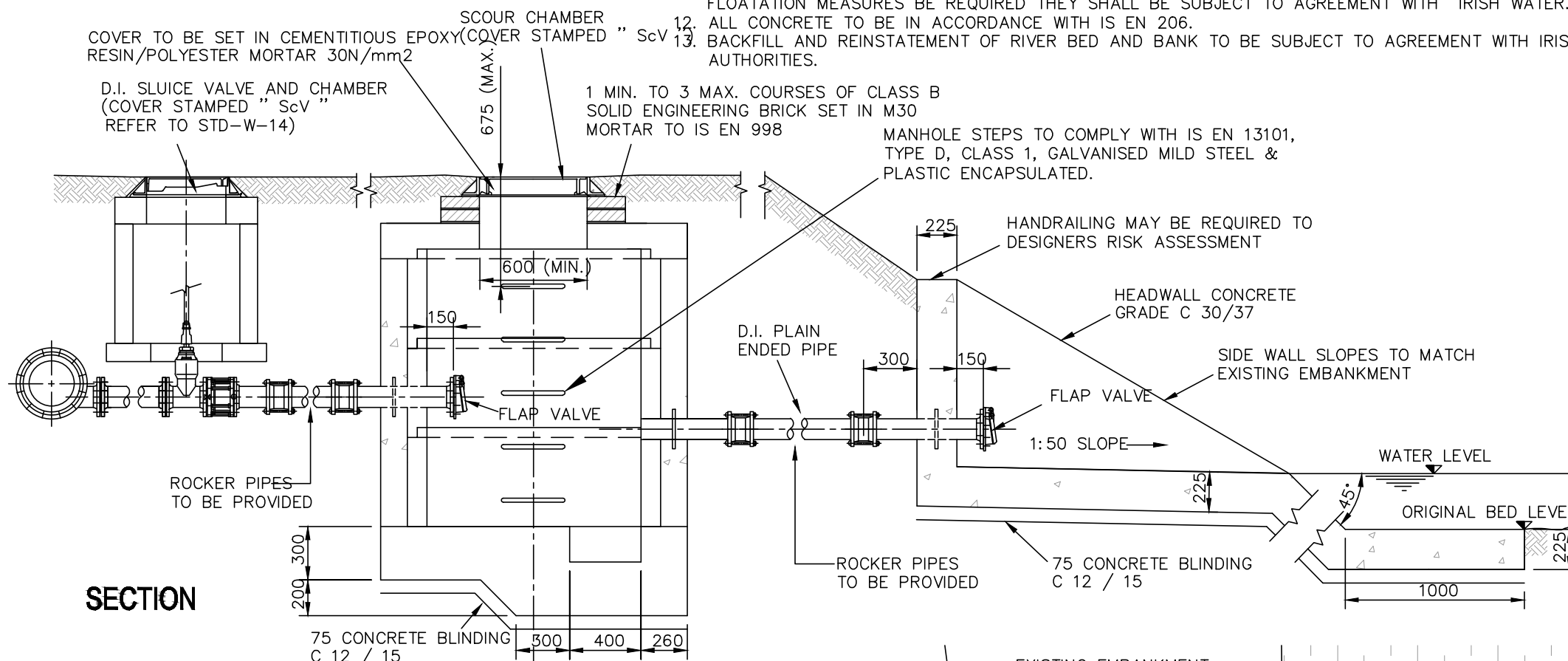
FLOOR PLAN
DOUBLE AIR VALVE

(PRECAST CONCRETE CONSTRUCTION)

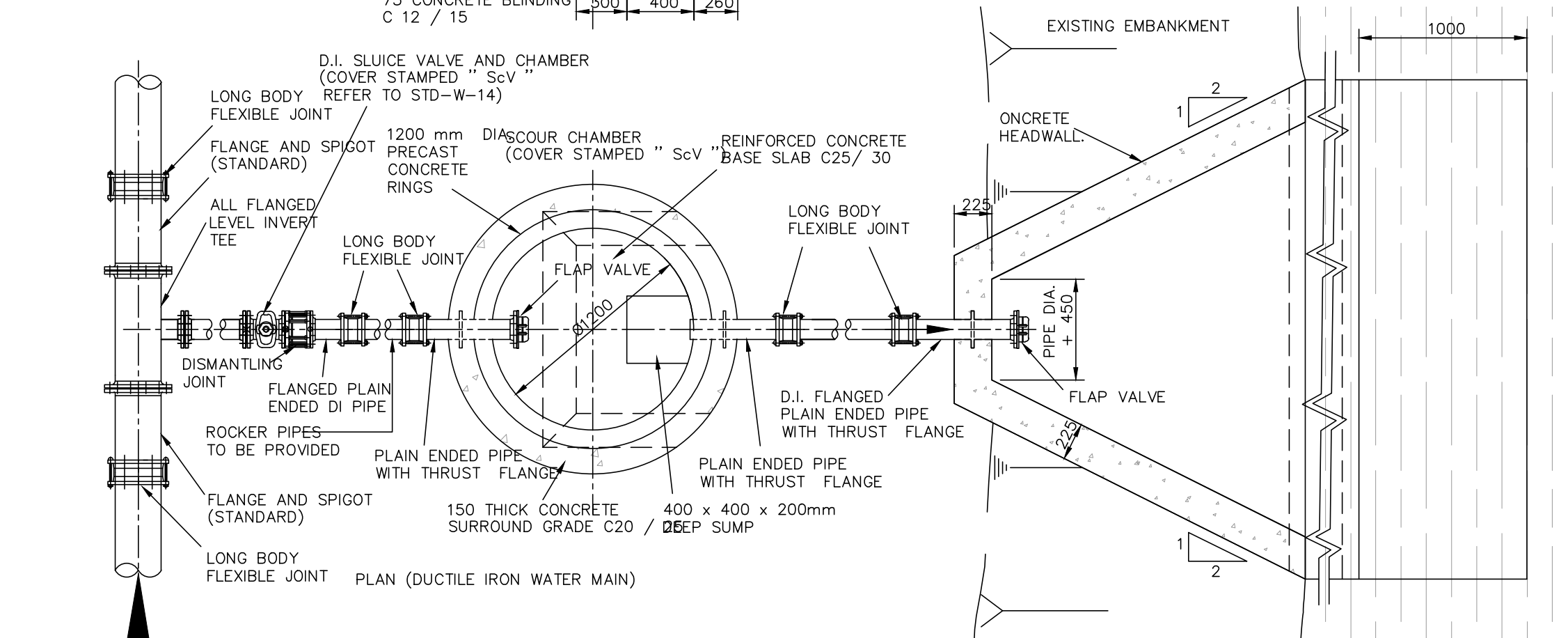
(BLOCKWORK CONSTRUCTION)

STD-W-20
ON - LINE AIR VALVE
FOR DUCTILE IRON (D.I.) PIPE

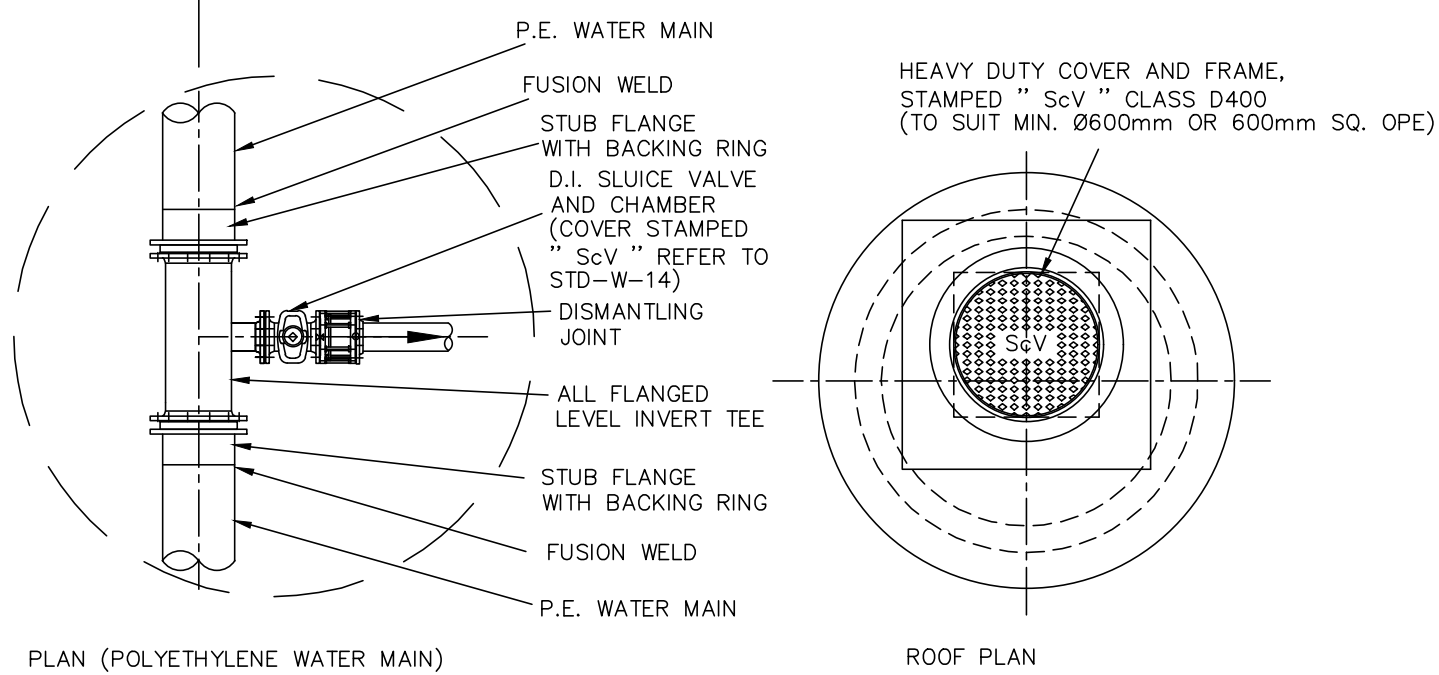
DIAMETER OF WATERMAIN (mm)	DIAMETER OF SCOUR (mm)
NOT EXCEEDING 75	50
100 TO 200	75
200 TO 350	100



SECTION



PLAN (DUCTILE IRON WATER MAIN)



PLAN (POLYETHYLENE WATER MAIN)

ROOF PLAN

STD-W-30
SCOUR CHAMBER
AND HEAD WALL ARRANGEMENTS

A	WP	AOD	JG	ISSUED FOR PLANNING	10.12.2025
-	WP	AOD	JG	ISSUED FOR APPROVAL TO IW	20.10.2025
Rev	Drawn	Chkd	Appd	Description	Date

PLANNING



CLIENT: CENTREPOINT PARTNERS

PROJECT TITLE: CENTREPOINT LRD. DEVELOPMENT AT HARPUR'S LANE AND MOUNTRATH ROAD, MARYBOROUGH, PORTLAOISE, CO. LAOIS

DRAWING TITLE: WATER INFRASTRUCTURE DETAILS SHEET 3 OF 3

PLOT SIZE: A1	PLOT SCALE: NTS	DRAWN BY: WP
PROJECT No: 3553	DRAWING No: P3553-C013	REV: A