

**SEWER NOTES:**

1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH SABS 1200 SERIES AND THE PROJECT SPECIFICATIONS.
2. ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
3. THE CONTRACTOR IS TO CONFIRM ALL LEVELS AND SETTING OUT INFORMATION PRIOR TO CONSTRUCTION.
4. EXISTING SERVICES TO BE PROVED PRIOR TO CONSTRUCTION.
5. SURVEY AND DESIGN INFORMATION IS BASED ON THE WGS 84 CO-ORDINATE SYSTEM.
6. FOR GRADES LESS THAN 1:10 - ANCHOR BLOCKS TO BE USED (REFER TO STANDARD DETAILS)
7. ALL MANHOLES TO HAVE MEDIUM DUTY (MD) POLYMER COVERS WITH LOCKING MECHANISM UNLESS OTHERWISE SPECIFIED.
8. ALL PIPES TO BE 160mmØ uPVC CL34 UNLESS OTHERWISE SPECIFIED.
9. ALL PIPES TO BE LAID ON FLEXIBLE PIPE BEDDING UNLESS OTHERWISE SPECIFIED.
10. ALL BACKFILL TO BE COMPACTED TO 93% Mod AASHTO UNLESS OTHERWISE SPECIFIED.
11. ALL MANHOLE COVERS WITHIN ROADWAYS ARE TO BE HEAVY DUTY
12. MANHOLE COVER LEVELS TO BE 150mm ABOVE GROUND IN OPEN SPACES AND FLUSH ON ROADWAYS AND SIDEWALKS

SEWER SETTING OUT DATA		
MANHOLE	Y	X
U7-MH1	10346.250	3114162.590
U7-MH2	10384.744	3114148.577
U7-MH3	10391.229	3114134.694
U7-MH4	10369.996	3114076.260
U7-MH5	10357.161	3114040.877
U7-MH6	10337.238	3113986.426
U7-TIE-IN-1	10323.332	3113948.233
U7-MH4.1	10321.959	3114093.746
U7-MH4	10369.996	3114076.260

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**TENDER DRAWING**

DATE : \_\_\_\_\_

SIGNED BY : \_\_\_\_\_  
 CONSULTING ENGINEER

REV	DATE	DESCRIPTION	BY	CHK
A	31-03-21	TENDER DRAWING	AG	SD

DRG. NO. REFERENCE DRAWINGS

CLIENT LOGO

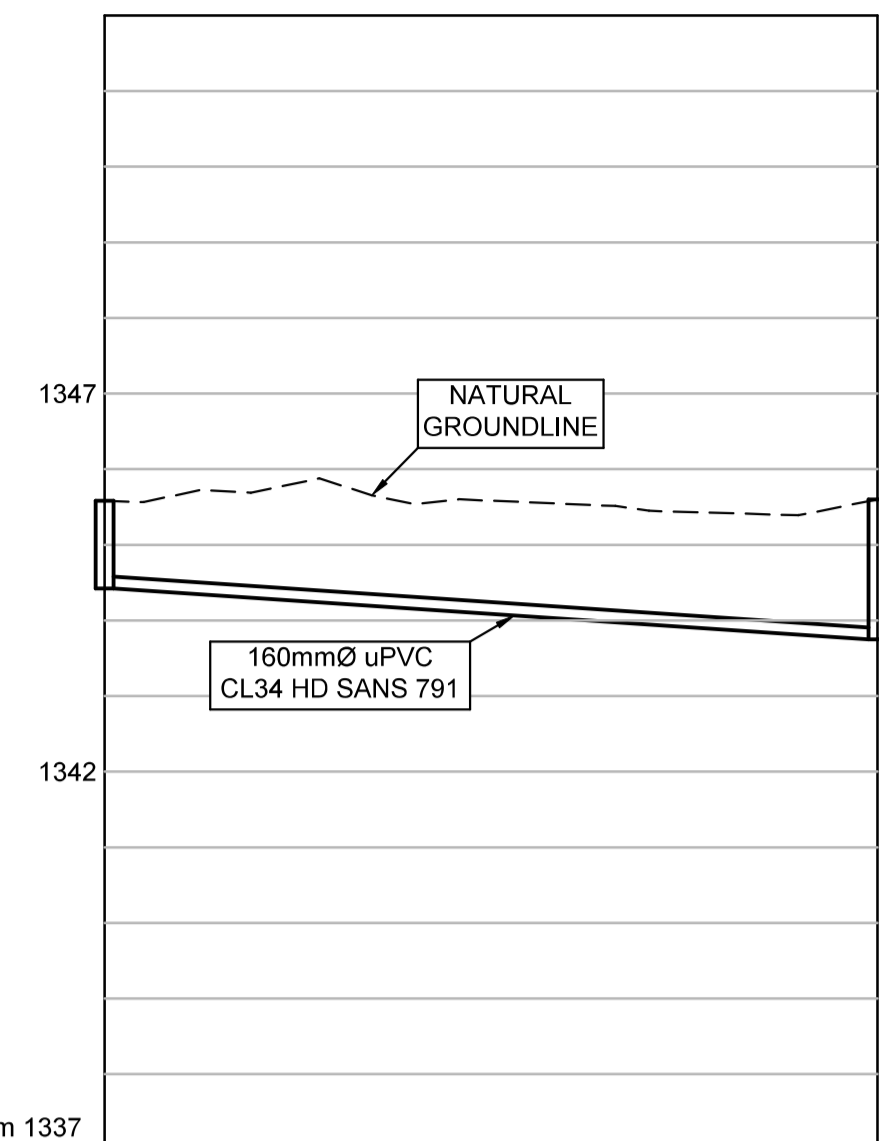


CLIENT NAME **HOUSING DEVELOPMENT AGENCY**

PROJECT TITLE  
**INSTALLATION OF INTERNAL WATER AND SEWER NETWORK FOR UNIT 3 AND 7 MELODING, VIRGINIA**

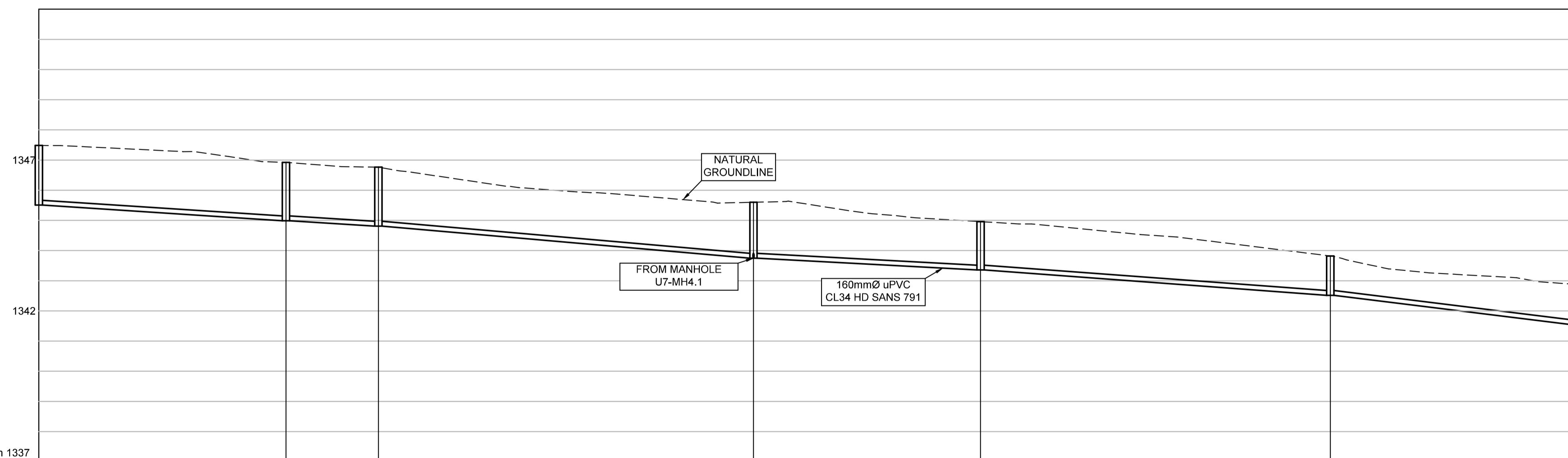
DRAWING TITLE  
**UNIT 3 LONG SECTIONS U7-MH1 TO U1-TIE-IN-1 U7-MH4.1 TO U7-MH4**

	RESPONSIBLE PERSON	DATE
DESIGNED	A. GANASS	25-02-2021
CHECKED	S. DELOMONEY	25-02-2021
DRAWN	A. GANASS	25-02-2021
CHECKED	S. DELOMONEY	25-02-2021
SCALES	H=500 & V=100	SHEET SIZE A1
DRAWING NO.	<b>WP2319-MNA-FT-SA-203</b>	REVISION A



HORIZONTAL SCALE: 1:500  
 VERTICAL SCALE: 1:100  
 Datum 1337

MANHOLE NO:	U7-MH4.1	U7-MH4
COVER LEVEL:	1345.58	1345.60
INVERT LEVEL:	1344.42	1343.75
DEPTH:	1.16	1.85
PIPE LENGTH & GRADE:	51.13 m 1:76	
PIPE DETAILS:	uPVC CL34 HD SANS 791 160 mm	
MANHOLE U7-MH4.1 TO U7-MH4		



HORIZONTAL SCALE: 1:500  
 VERTICAL SCALE: 1:100  
 Datum 1337

MANHOLE NO:	U7-MH1	U7-MH2	U7-MH3	U7-MH4	U7-MH5	U7-MH6	U7-TIE-IN-1
COVER LEVEL:	1347.48	1346.92	1346.76	1345.60	1344.96	1343.82	1342.88
INVERT LEVEL:	1345.51	1344.99	1344.81	1343.75	1343.38	1342.52	1341.54
DEPTH:	1.97	1.93	1.95	1.85	1.60	1.30	1.34
PIPE LENGTH & GRADE:	40.97 m 1:79	15.32 m 1:86	62.18 m 1:58	37.64 m 1:96	57.99 m 1:69	40.66 m 1:42	
PIPE DETAILS:	uPVC CL34 HD SANS 791 160 mm						
MANHOLE U7-MH1 TO U7-TIE-IN-1							