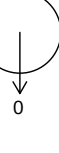
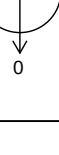
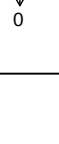
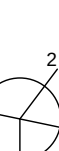
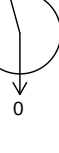
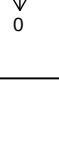
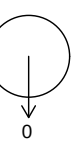
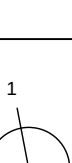
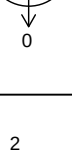
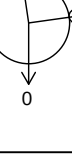
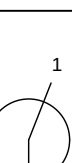
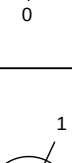
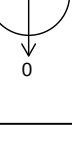
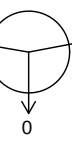
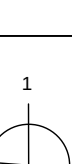
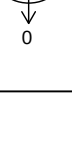
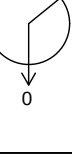
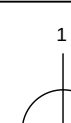
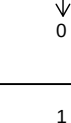
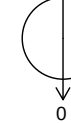
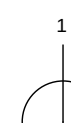
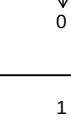
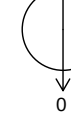
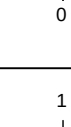
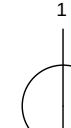
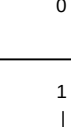


Manhole Number		Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates				Depth To Soffit	Code	Inverts	Diams		Manhole	Cover
ST10		18.400		0	2.000	17.065	300	1200	CJA HCC11/D040	AS HCC STD
E.	448513.220	1.035								
N.	117011.742									
ST11		19.100		0	1.001	17.525	225	1200	CJA HCC11/D040	AS HCC STD
E.	448472.366	1.350								
N.	117139.610									
ST12		18.775		0	1.000	17.252	225	1200	CJA HCC11/D040	AS HCC STD
E.	448474.047	1.301								
N.	117173.053									
S21		18.310		0	1.000	16.885	225	1200	M5 HCC11/D085	AS HCC STD
E.	448524.030	1.200								
N.	116971.078									
S23		18.566		0	1.000	17.141	225	1200	M5 HCC11/D085	AS HCC STD
E.	448494.382	1.200								
N.	117025.803									
S24		18.386		1 2 3	3.000 2.000 1.000	16.569 16.494 16.569	225 300 225	1200	M22 HCC11/D045	AS HCC STD
E.	448500.578	1.592								
N.	117012.279			0	1.001	16.494	300			
S25		19.021		0	1.001	17.596	225	1200	M5 HCC11/D085	AS HCC STD
E.	448479.788	1200								
N.	117044.947									
S26		18.625		1	4.000	17.200	225	1200	M5 HCC11/D085	AS HCC STD
E.	448472.346	1200								
N.	117181.789									
S27		18.251		0	2.000	16.826	225	1200	M5 HCC11/D085	AS HCC STD
E.	448482.651	1.200								
N.	117214.585									
S28		17.969		0	3.000	16.823	225	1200	M4A HCC11/D090	AS HCC STD
E.	448493.892	0.921								
N.	117206.021									
S29		18.441		1 2 3	1.001 3.000 2.000	16.701 16.701 16.701	225 225 225	1200	M22 HCC11/D045	AS HCC STD
E.	448478.464	1.515								
N.	117196.259			0	1.002	16.626	300			
S37		17.562		0	4.000	16.278	225	1200	M5 HCC11/D085	AS HCC STD
E.	448493.487	1.059								
N.	117237.929									
S38		17.919		1	4.000	16.135	225	1200	M22 HCC11/D045	AS HCC STD
E.	448476.066	1.559								
N.	117250.345									
S39		17.810		1	4.001	15.973	225	1200	M22 HCC11/D045	AS HCC STD
E.	448460.641	1.612								
N.	117269.172									

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams	Manhole		Cover	
S30	17.848		0	2.000	16.423	225	1200	M5 HCC11D065	AS HCC STD
E. 448424.223	1.200								
N. 117503.925									
S31	18.115		1	1.000	16.161	300	1500	TYPE 2	D400
E. 448420.354	1.654		2	2.000	16.236	225			
N. 117485.986			0	1.001	15.936	525			
S32	18.990		1	1.001	15.810	525	1500	TYPE 2	D400
E. 448424.628	2.655								
N. 117429.016			0	1.002	15.810	525			
S33	19.226		1	3.000	17.372	450	1500	TYPE 2	D400
E. 448421.522	2.953		2	1.002	15.748	525			
N. 117401.467			0	1.003	15.598	675			
S34	18.958		1	1.003	15.541	675	1500	TYPE 2	D400
E. 448411.995	2.742								
N. 117365.343			0	1.004	15.541	675			
S35	18.670		1	1.004	15.494	675	1500	TYPE 2	D400
E. 448410.254	2.501								
N. 117336.030			0	1.005	15.494	675			
S36	18.328		1	1.005	15.432	675	1500	TYPE 2	D400
E. 448422.097	2.221								
N. 117299.721			0	1.006	15.432	675			
S40	18.005		1	4.002	15.835	225	1500	TYPE 2	D400
E. 448442.105	1.945		2	1.006	15.385	675			
N. 117278.363			0	1.007	15.385	675			
S41	17.598		0	5.000	16.173	225	1200	M5 HCC11D065	AS HCC STD
E. 448433.362	1.200								
N. 117529.368									
S42	17.699		1	5.000	15.991	225	1350	TYPE 3	D400
E. 448439.877	1.483		2	4.000	15.841	375			
N. 117544.047			0	4.001	15.766	450			
S43	17.854		1	4.001	15.681	450	1350	TYPE 2	D400
E. 448445.062	1.723								
N. 117555.701			0	4.002	15.681	450			
S44	17.763		0	2.000	16.338	225	1200	TYPE 3	D400
E. 448457.041	1.200								
N. 117594.290									
S45	17.080		1	2.000	15.918	225	1500	TYPE 3	D400
E. 448452.601	0.937		2	1.000	15.621	525			
N. 117657.131			0	1.001	15.618	525			
S46	16.916		0	3.000	15.799	300	1200	M8 HCC11D060	AS HCC STD
E. 448465.090	0.837								
N. 117687.523									
S47	16.710		1	1.001	15.595	525	1500	TYPE 3	D400
E. 448441.327	0.815		2	3.000	15.595	300			
N. 117659.310			0	1.002	15.595	525			

Manhole Number		Cover Level	Connections	Pipe			Manhole Size	Types		
Coordinates	Depth To Soffit	Code		Inverts	Diams	Manhole		Cover		
ST13		17.424		0	-	16.299	225	1200	CIA HCC11/D/040	AS HCC STD
E.	448460.339									
N.	117027.77									
ST15		19.01		0	-	17.29	150	1200	CIA HCC11/D/040	AS HCC STD
E.	448514.582									
N.	117025.112									
ST16		16.10		0	-	14.975	150	1200	CIA HCC11/D/040	AS HCC STD
E.	448536.042									
N.	116961.243									
ST17		19.4		0	-	18.275	225	1200	CIA HCC11/D/040	AS HCC STD
E.	448484.198									
N.	117157.732									
ST18		16.470		0	-	15.803	225	1200	CIA HCC11/D/040	AS HCC STD
E.	448504.986									
N.	117207.697									
sic1		16.3		0	-	15.75	225	1200	CIA HCC11/D/040	AS HCC STD
E.	448503.509									
N.	117227.691									
ST19		18.37		0	-	17.32	150	1200	CIA HCC11/D/040	AS HCC STD
E.	448437.752									
N.	117301.766									
ST20		17.20		0	-	16.15	150	1200	CIA HCC11/D/040	AS HCC STD
E.	448498.895									
N.	117242.127									
ST21		18.35		0	-	17.3	150	1200	CIA HCC11/D/040	AS HCC STD
E.	448433.086									
N.	117467.223									
ST22		18.10		0	-	17.05	150	1200	CIA HCC11/D/040	AS HCC STD
E.	448444.810									
N.	117523.911									
ST23		18.17		0	-	16.920	150	1200	CIA HCC11/D/040	AS HCC STD
E.	448453.307									
N.	117541.245									
ST24		17.69		0	-	16.46	150	1200	CIA HCC11/D/040	AS HCC STD
E.	448473.026									
N.	117606.236									
ST25		16.60		0	-	16.08	150	1200	CIA HCC11/D/040	AS HCC STD
E.	448466.702									
N.	117658.404									

NOTES

- THIS DRAWING IS COPYRIGHT.
- THE CONTRACTOR AND HIS SUBCONTRACTOR ARE TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO MAKING SHOP DRAWINGS OR COMMENCING MANUFACTURE.
- DO NOT SCALE THIS DRAWING. THE CONTRACTOR IS TO BRING TO THE NOTICE OF THE ENGINEER ANY DISCREPANCIES CONTAINED IN THIS DRAWING PRIOR TO WORK COMMENCEMENT.
- ALL 150mm AND 225mm DIAMETER PIPES TO BE EXTRA STRENGTH VITRIFIED CLAY PIPES (SEE NOTE 15).
- ALL PIPES OF 300mm DIAMETER OR GREATER TO BE CLASS M CONCRETE.
- ALL PIPE MATERIALS TO BE CONSISTENT BETWEEN MANHOLES.
- ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE(DCG)/SEWER FOR ADOPTION 7TH, HAMPSHIRE COUNTY COUNCIL STANDARDS (FOR HIGHWAY DRAINAGE ONLY) AND THE SPECIFICATION FOR HIGHWAY WORKS 1998 AND ALL SUBSEQUENT AMENDMENTS. WHERE THERE IS CONFLICT BETWEEN THESE DOCUMENTS THE MATTER SHALL BE REFERRED TO THE ENGINEER.
- FOR CONSTRUCTION DETAILS OF MANHOLES AND SEWERS REFER TO DESIGN AND CONSTRUCTION GUIDANCE/SEWERS FOR ADOPTION 7TH, HCC STANDARD DETAILS(FOR SEWERS ADOPTED BY HCC HIGHWAYS) AND UNDERTAKERS STANDARD DETAILS WHICH CAN BE OBTAINED FROM THE LOCAL OFFICE FOR SEWERS ADOPTED BY SOUTHERN WATER
- INVERT LEVELS OF EXISTING SEWERS TO BE CONFIRMED ON SITE BEFORE ANY SEWER WORK UNDERTAKEN. ANY DISCREPANCIES FOUND SHOULD BE NOTIFIED TO ENGINEERS.
- WHERE SEWERS HAVE LESS THAN 1.2m OF COVER UNDER ROADS AND 0.9m COVER ELSEWHERE PIPES ARE TO HAVE A 150mm CONCRETE BED AND SURROUND.
- PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL, TO TABLE 11 OF APPROVED DOCUMENT H1 OF THE BUILDING REGULATIONS 2010.
- ALL BELOW GROUND DRAINAGE TO BE 150mmØ UNLESS OTHERWISE INDICATED WITH A MIN. GRADIENT AS FOLLOWS:--
- S.W. : 150mm Dia. 1:150
- ALL ADAPTABLE DRAINAGE MATERIALS SHOULD COMPLY WITH THE REQUIREMENTS OF PART E CIVIL ENGINEERING SPECIFICATION INCLUDED WITH DCG/SEWERS FOR ADOPTION 7TH EDITION WHICH IS DRAWN FROM CSM71 7TH EDITION BUT IS NOT A FULL REPRODUCTION AND OR HAMPSHIRE COUNTY COUNCIL REQUIREMENTS.
- JETTING OF NEW DRAINAGE RUNS MUST BE CARRIED OUT AT END OF CONTRACT, IN ORDER TO ENSURE ALL NEW PIPE-WORK IS FREE OF DEBRIS AND FREE RUNNING

HEALTH & SAFETY:

ALL WORKS TO BE CARRIED OUT BY A CONTRACTOR COMPETENT TO UNDERTAKE THE CONSTRUCTION OF WORKS AS INDICATED ON THIS DRAWING. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE JOB SPECIFIC RISK ASSESSMENT. THE HAZARDS NOTED ARE IN ADDITION TO THE NORMAL HAZARDS AND RISKS FACED BY A COMPETENT CONTRACTOR WHEN DEALING WITH THE TYPE OF WORKS DETAILED ON THIS DRAWING.

T1 Tender ISSUE		06/10/22		PN
Rev.	Description	Date		Initial
Drawing Status: TENDER				
 REUBY & STAGG LTD. CONSULTING CIVIL & STRUCTURAL ENGINEERS Dewey House 55 High Street, Ringwood Hampshire BH24 1TG T: 01425 484400 F: 01425 484409 Email: admin@reuby-stagg.co.uk		ONE HORTON HEATH Eastleigh Borough Council Eastleigh House Upper Market Street Eastleigh SO50 9YN www.eastleigh.gov.uk		
Site: ONE HORTON HEATH				
Address: SEGMENT 3				
Drg Title: DRAINAGE SETTING OUT				
NORTHERN SECTION				
Scale: NTS	Page Size: A1	Date: NOV 2		
	Drawn: PN	Checked: MD		
Drawing No:		Revision:		