

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	ITEM	TOTAL QUANTITY	FEDERAL PARTICIPATING UTILITY ITEMS	FEDERAL NON-PARTICIPATING UTILITY ITEMS	UNIT
201.10	CLEARING AND GRUBBING (INCLUDING INDIVIDUAL TREES & STUMPS)	1	1		LS
203.15	COMMON EXCAVATION	2836.44	2836.44		CUBIC METER
203.20	MUCK EXCAVATION	0	0		CUBIC METER
203.28	EXCAVATION OF SURFACES AND PAVEMENT	375.3	375.3		CUBIC METER
203.30	EARTH BORROW	474.83	474.83		CUBIC METER
203.31	SAND BORROW	2371.55	2124.08	247.47	CUBIC METER
203.40	FINE GRADING, SUBGRADE	11198.0	11198.0		SQUARE METER
204.20	TRENCH EXCAVATION OF EARTH	14004.72	13199.17	805.55	CUBIC METER
204.21	TRENCH EXCAVATION OF ROCK	3483.47	2947.7	535.77	CUBIC METER
204.25	STRUCTURE EXCAVATION (CHANNEL EXCAVATION OF EARTH)	482.64	482.64		CUBIC METER
204.30	GRANULAR BACKFILL FOR STRUCTURES	164.7	164.7		CUBIC METER
204.40	COFFERDAM	0	1		LS
210.10	COLD PLANING - BITUMINOUS PAVEMENT	0	0		SQUARE METER
212.20	SCARIFYING PAVEMENT	0	0		SQUARE METER
301.26	SUBBASE OF CRUSHED GRAVEL (FINE GRADE)	4310.85	4310.85		CUBIC METER
301.35	SUBBASE OF DENSE GRADED CRUSHED STONE	419.4	419.4		CUBIC METER
401.10	AGGREGATE SURFACE COURSE	21.0	21.0		CUBIC METER
404.65	EMULSIFIED ASPHALT (ESTIMATED)	452.0	452.0		TON
406.25	BITUMINOUS CONCRETE PAVEMENT	2613.78	2613.78		CUBIC METER
501.25	CONCRETE, CLASS B (ESTIMATED)	15.56	15.56		CUBIC METER
505.36	TEMPORARY STEEL SHEET PILING	0	0		SQUARE METER
540.10	PRECAST CONCRETE BOX CULVERT (1.37 m H x 1.83 m W x 13.41 m L)	1	1		LS
601.0016	450 mm CSP, 2.1 mm (67 mm x 13 mm)	103.70	103.70		EA
601.5015	450 mm CSP, ELBOW, (WYE), 1.6 mm (68 mm x 13 mm)	2	2		EA
601.99	RELAYING PIPE CULVERTS	54.15	54.15		m
604.20	PRECAST REINFORCED CONCRETE CATCH BASIN W/CAST IRON GRATE	1	1		EA
604.21	PRECAST REINFORCED CONCRETE MANHOLE W/CAST IRON COVER (NO BOTTOM)	35	34	1	EA
604.21 (MOD.)	PRECAST REINFORCED CONCRETE MANHOLE W/CAST IRON COVER (NO BOTTOM)	2	2		EA
604.43	CORE AND BOOT EXISTING MANHOLE	1	1		EA
604.55	WATER-TIGHT DUCTILE IRON FRAME AND COVER	4	4		EA
605.10	GALVANIZED PERFORATED CORRUGATED STEEL PIPE (150 mm)	31.20	31.20		m
607.10	ROADWAY PATROL MAINTENANCE	23.50	23.50		HR
608.10	BULLDOZER RENTAL, TYPE I, NABI	0	0		HR
608.25	ALL-PURPOSE EXCAVATOR RENTAL, TYPE I, NABI	23.10	23.10		HR
608.30	POWER BROOM RENTAL, NABI	2	2		HR
608.37	TRUCK RENTAL, NABI	19.50	19.50		HR
609.10	DUST CONTROL WITH WATER	14.50	14.50		CUBIC METER
609.15	DUST AND ICE CONTROL WITH CALCIUM CHLORIDE	1.68	1.68		TON
612.10	GABION RETAINING WALL	151.43	151.43		CUBIC METER
613.11	STONE FILL, TYPE II	145.25	145.25		CUBIC METER
613.12	STONE FILL, TYPE III	215.54	215.54		CUBIC METER
613.13	STONE FILL, TYPE IV	37.90	37.90		CUBIC METER
617.10	RELOCATE MAILBOX, SINGLE SUPPORT	0	0		EA
617.12	RELOCATE MAILBOX, MULTIPLE SUPPORT	12.0	12.0		EA
619.15	WOOD MARKER POSTS	0	0		EA
620.50	REMOVING AND RESETTING FENCE	102.50	102.50		m
621.20	STEEL BEAM GUARDRAIL	479.74	479.74		m
621.45	CONCRETE MEDIAN BARRIER	0	0		m
621.50	BREAKAWAY CABLE TERMINAL	0	0		EA
621.60	ANCHOR FOR STEEL BEAM RAIL	10	10		EA
621.75	REMOVING AND RESETTING GUARDRAIL	9.10	9.10		m
621.80	REMOVAL AND DISPOSAL OF GUARDRAIL	169.60	169.60		m
622.10	INSULATION BOARD	16.490	16.415	0.075	CUBIC METER
628.28	DUCTILE IRON PIPE, CEMENT LINED (100 mm CL 52)	18.0	0	18	m
628.28	DUCTILE IRON PIPE, CEMENT LINED (200 mm CL 52)	2300.77	1956.77	344.0	m
628.28	DUCTILE IRON PIPE, CEMENT LINED (300 mm CL 52)	421.16	421.16		m
628.28	DUCTILE IRON PIPE, CEMENT LINED (150 mm BALL & SOCKET)	24.36	24.36		m
628.28 (MOD.)	DUCTILE IRON PIPE, CEMENT LINED (200 mm BALL & SOCKET)	24.36	24.36		m
628.35	PVC SEWER PIPE (100 mm SDR 35)	96.31	0	96.31	m
628.35	PVC SEWER PIPE (150 mm SDR 35)	74.0	39.68	34.32	m
628.35	PVC SEWER PIPE (200 mm SDR 35)	914.18	910.18	4.0	m
628.35	PVC SEWER PIPE (250 mm SDR 35)	682.56	682.56		m
628.35 (MOD.)	PVC SEWER PIPE (200 mm AWWA C900)	426.15	426.15		m
628.46	SEWAGE FORCE MAIN CLEANOUTS	8	8		EA
628.48	TRENCH DAMS	20	20		EA
629.23	SEAMLESS COPPER WATER TUBE (19 mm TYPE K)	161.75	0	161.75	m

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ITEM NO.	ITEM	TOTAL QUANTITY	FEDERAL PARTICIPATING UTILITY ITEMS	FEDERAL NON-PARTICIPATING UTILITY ITEMS	UNIT
629.23	SEAMLESS COPPER WATER TUBE (25 mm TYPE K)	95.95	41.15	54.80	m
629.25	EXTENSION SERVICE BOX AND CURB STOP	21	1	20	EA
629.27	GATE VALVE W/VALVE BOX (100 mm AWWA)	1	0	1	EA
629.27	GATE VALVE W/VALVE BOX (150 mm AWWA)	14	11	3	EA
629.27	GATE VALVE W/VALVE BOX (200 mm AWWA)	8	5	3	EA
629.27	GATE VALVE W/VALVE BOX (300 mm AWWA)	5	5		EA
629.28	HYDRANT	12	9	3	EA
629.32 (MOD.)	HDPE HEAT FUSED PIPE (150 mm CL 200)	1472.67	1472.67		m
629.39	CORPORATION STOP	21	1	20	EA
629.44	PIPE INSULATION	8	8		EA
629.54	GRUSHED STONE BEDDING	199.02	198.02	1.0	TON
630.10	UNIFORMED TRAFFIC OFFICERS	71.50	71.50		HR
630.15	FLAGGERS	934.50	934.50		HR
631.10	FIELD OFFICE, ENGINEER'S	1	1		LS
631.16	TESTING EQUIPMENT, CONCRETE	1	1		LS
631.17	TESTING EQUIPMENT, BITUMINOUS	1	1		LS
631.25	FIELD OFFICE TELEPHONE, NABI	1	1		LS
634.10	EMPLOYEE TRAINESHIP	620	620		HR
635.10	MOBILIZATION	1	1		LS
636.00	WASTEWATER PUMP STATION	1	1		EA
641.10	TRAFFIC CONTROL	1	1		LS
643.20	JACKING AND BORING WELDED STEEL PIPE (8 mm THK)	47.50	47.50		m
646.40	DURABLE 100 mm WHITE LINE	2768.0	2768.0		m
646.41	DURABLE 100 mm YELLOW LINE	2761.0	2761.0		m
649.31	GEOTEXTILE UNDER STONE FILL	2092.94	2092.94		SQUARE METER
649.51	GEOTEXTILE FOR SILT FENCE	555.47	555.47		SQUARE METER
651.15	SEED	167.62	167.62		kg
651.17	SEED - WINTER RYE	0	0		kg
651.18	FERTILIZER	139	139		kg
651.25	AGRICULTURAL LIMESTONE	0	0		TON
651.26	HAY MULCH	9.191	9.191		TON
651.30	HAY BALES FOR EROSION CONTROL	189	189		EA
651.35	SODDING	5490.0	5490.0		SQUARE METER
651.40	TOPSOIL	369.0	369.0		CUBIC METER
654.10	GRUBBING MATERIAL	40	40		SQUARE METER
654.10	EROSION MATTING	5508.10	5508.10		SQUARE METER

DETAILED SUMMARY OF QUANTITIES

ITEM NO.	ITEM	TOTAL QUANTITY	FEDERAL PARTICIPATING UTILITY ITEMS	FEDERAL NON-PARTICIPATING UTILITY ITEMS	UNIT
204.20	TRENCH EXCAVATION OF EARTH (0-1.5 m)	44300	11,040	460	CUBIC METER
204.20	TRENCH EXCAVATION OF EARTH (BELOW 1.5 m) (SIZE OF ACTUAL)	11,000	10,370	630	CUBIC METER
204.20	TRENCH EXCAVATION OF EARTH (AROUND MANHOLES 0-1.5 m)	300	300		CUBIC METER
204.20	TRENCH EXCAVATION OF EARTH (AROUND MANHOLES BELOW 1.5 m)	400	400		CUBIC METER
301.26	SUBBASE OF CRUSHED GRAVEL (FINE GRADE) FOR ROADWAY	5,500	5,500		CUBIC METER
301.26	SUBBASE OF CRUSHED GRAVEL (FINE GRADE) FOR SHOULDERS	300	300		CUBIC METER
406.25	BITUMINOUS CONCRETE PAVEMENT, TYPE I	1,300	1,300		TON
406.25	BITUMINOUS CONCRETE PAVEMENT, TYPE III	700	700		TON

\* THESE ITEMS HAVE BEEN ROUNDED

RECORD DRAWING

SHOWN PICTORALLY  
MAY NOT BE TO SCALE

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HAVE BEEN PREPARED, IN PART, ON THE  
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NOT BE RESPONSIBLE FOR ANY ERRORS OR  
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INFORMATION BY OTHERS.



PROJECT NO. JM 091-1 (29)  
WATER & SEWER EXTENSION PROJECT  
TOWN OF GUILFORD  
TOWN OF BRATTLEBORO

DESIGN BY: JAC  
DRAWN BY: DSM  
CHECKED BY: JAC  
DATE: 1-2-96

AGENCY OF TRANSPORTATION  
SOUTHEAST VERMONT WELCOME CENTER  
GUILFORD, VERMONT

SHEET NO. 3 OF 55 SHEETS

NO.	DATE	REVISIONS	DRWN	CHKD
5	9/30/98	AS-BUILT INFORMATION ADDED	DSM	KAS
4	12/28/98	CONTRACT PLANS	DSM	MPY
3	11/11/98	FINAL REVIEW REVISIONS	DSM	MPY
2	6/4/96	REVISIONS PER REVIEW COMMENTS	DSM	MPY
1	4/8/96	REVISIONS PER REVIEW COMMENTS	DSM	MPY

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