

04252

METRIC

PROJECT REFERENCE NO. **R-2563C** SHEET NO. **UC-30**

DESIGNED BY: **CSG**

DRAWN BY: **CSG**

CHECKED BY: **RBW**

APPROVED BY: **RBW**

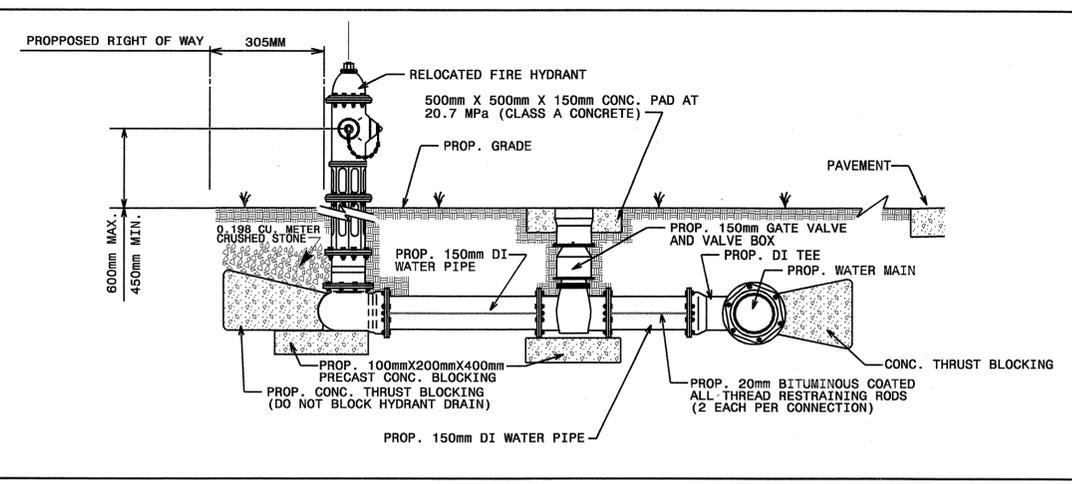
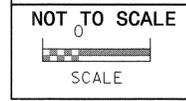
REVISED:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

1/1/04

DESIGN SERVICES UNIT
PHONE: (919) 250-4128
FAX: (919) 250-4119

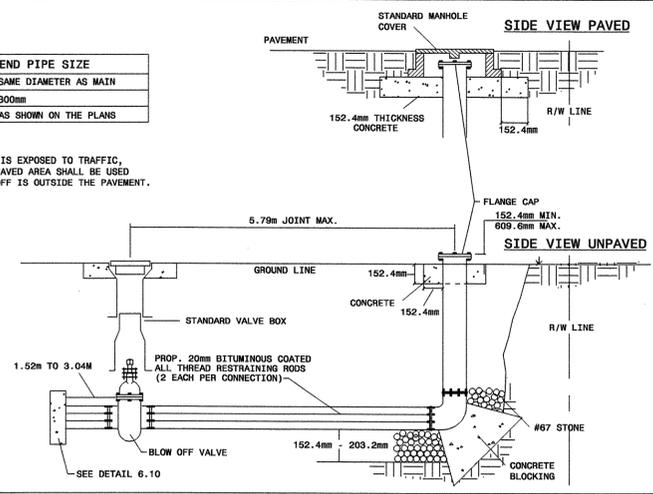
UTILITY CONSTRUCTION PLANS ONLY



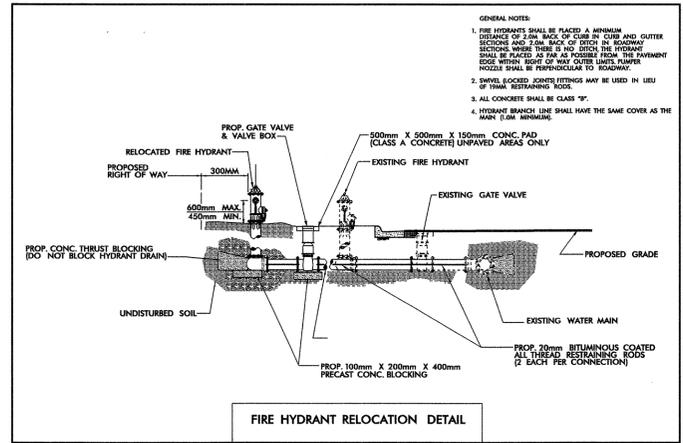
RELOCATED FIRE HYDRANT INSTALLATION DETAIL

MAIN SIZE	END PIPE SIZE
100mm - 300mm	SAME DIAMETER AS MAIN
400mm	300mm
600mm & GREATER	AS SHOWN ON THE PLANS

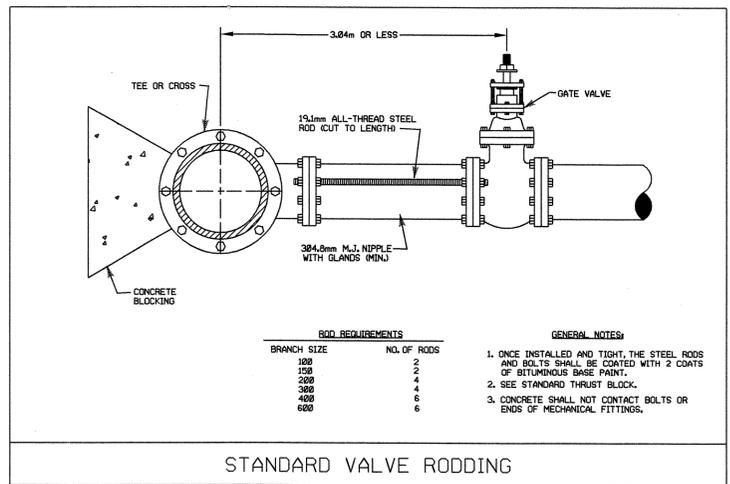
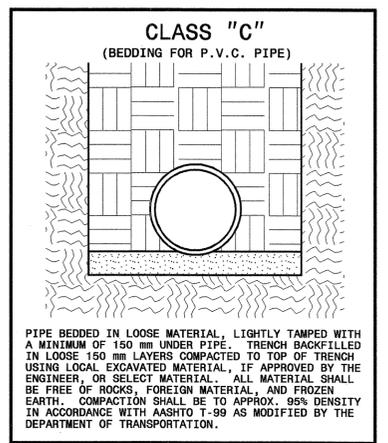
NOTE: WHEN THE BLOW-OFF IS EXPOSED TO TRAFFIC, THE DETAIL FOR A PAVED AREA SHALL BE USED EVEN IF THE BLOW-OFF IS OUTSIDE THE PAVEMENT.



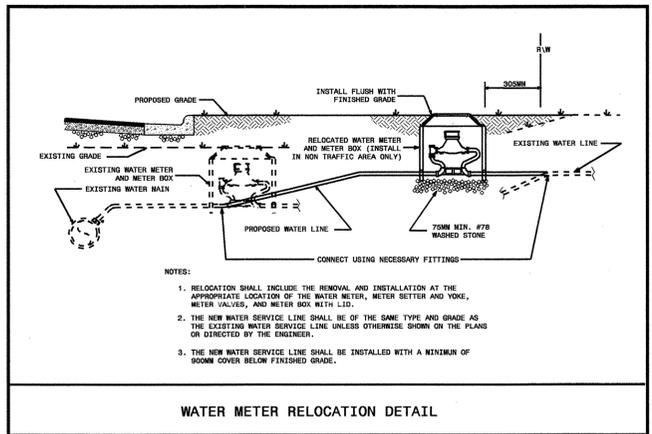
STANDARD BLOW-OFF ASSEMBLY



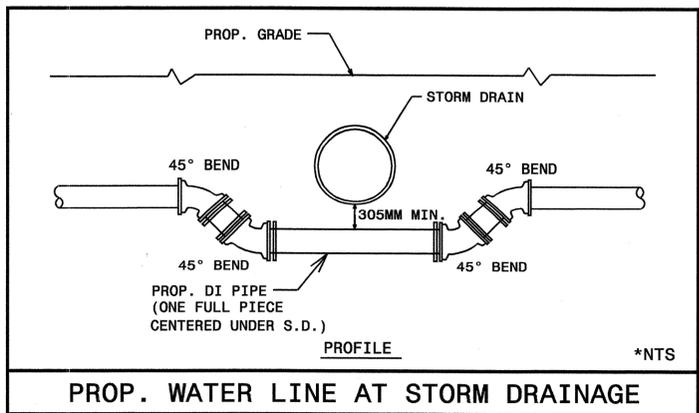
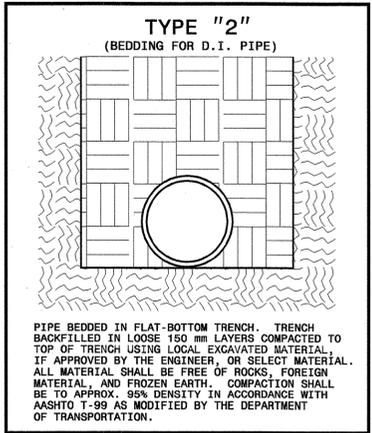
FIRE HYDRANT RELOCATION DETAIL



STANDARD VALVE RODDING



WATER METER RELOCATION DETAIL



PROP. WATER LINE AT STORM DRAINAGE

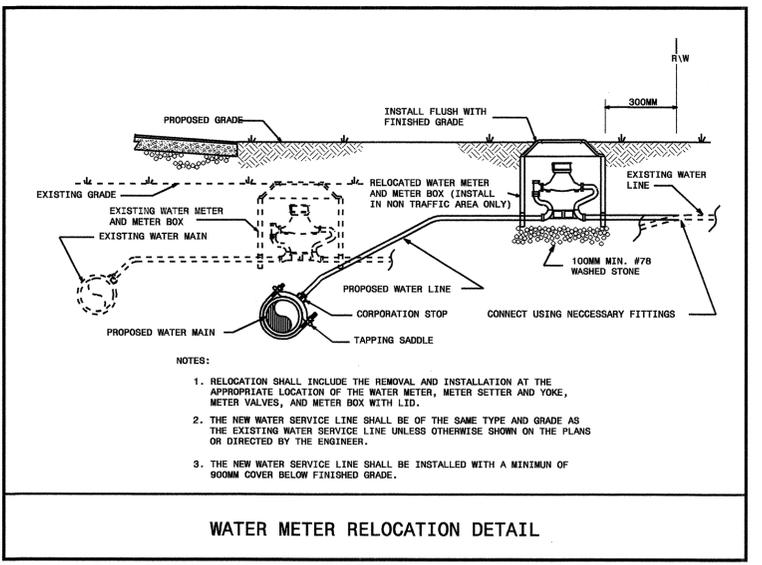
MAXIMUM TRENCH WIDTH AT TOP OF PIPE			
NOMINAL PIPE SIZE (mm)	TRENCH WIDTH (meter)	NOMINAL PIPE SIZE (mm)	TRENCH WIDTH (mm)
100	0.72	500	1.12
150	0.76	600	1.22
200	0.81	750	1.37
250	0.86	900	1.57
300	0.91	1050	1.68
350	0.97	1200	1.83
400	1.02	1400	1.98
450	1.07		

PIPE DIAMETER (IN MILLIMETERS)	SCHEDULE			RINGS REQUIRED
	CONCRETE THRUST COLLAR	ANCHOR RING		
150, 200, 300	304.8mm	304.8mm	50.8mm	ONE
400	406.4mm	304.8mm	50.8mm	ONE
500	406.4mm	304.8mm	76.2mm	ONE
600	406.4mm	304.8mm	76.2mm	TWO
750	406.4mm	355.6mm	101.6mm	TWO
900	406.4mm	406.4mm	101.6mm	TWO

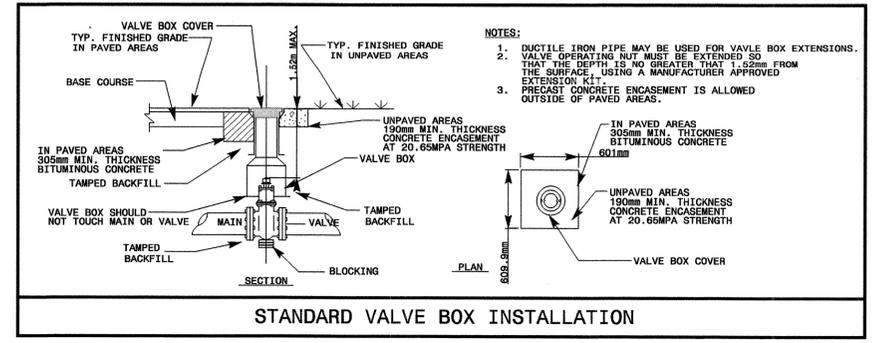
REINFORCING

NOTE:
150mm TO 400mm MAINS = 12-NO. 7 BARS
500mm TO 900mm MAINS = 12-NO. 8 BARS
BARS PLACED AS SHOWN

STANDARD THRUST COLLAR INSTALLATION



WATER METER RELOCATION DETAIL



STANDARD VALVE BOX INSTALLATION