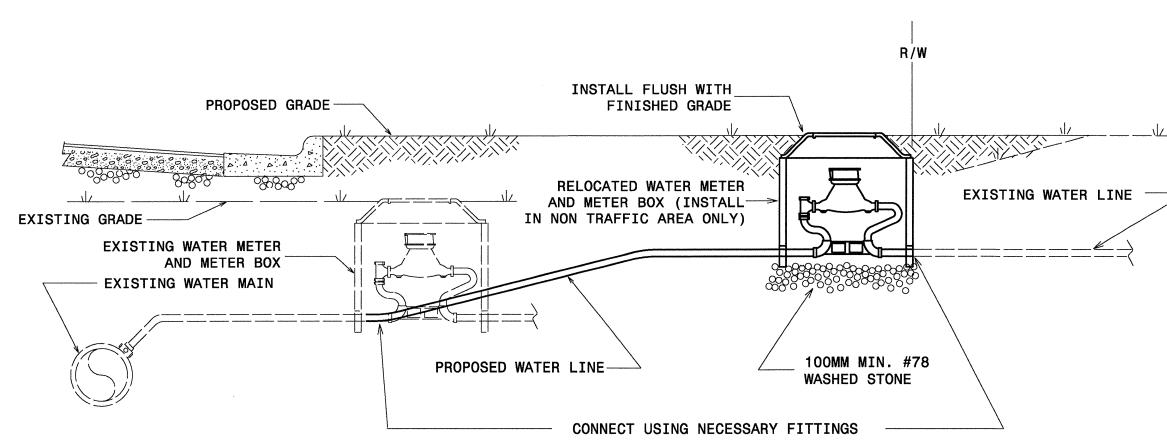


- 1. RELOCATION SHALL INCLUDE THE REMOVAL AND INSTALLATION AT THE APPROPRIATE LOCATION OF THE WATER METER, METER SETTER AND YOKE, METER VALVES, AND METER BOX WITH LID.
- 2. THE NEW WATER SERVICE LINE SHALL BE OF THE SAME TYPE AND GRADE AS THE EXISTING WATER SERVICE LINE UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
- 3. THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUN OF 900MM COVER BELOW FINISHED GRADE.
- 4. THE OWNER RESERVES THE RIGHT TO ADD OR DELETE WATER SERVICE TAPS AND TO CHANGE LOCATIONS FROM THOSE SHOWN.

WATER METER RELOCATION DETAIL



NOTES:

- 1. RELOCATION SHALL INCLUDE THE REMOVAL AND INSTALLATION AT THE APPROPRIATE LOCATION OF THE WATER METER, METER SETTER AND YOKE, METER VALVES, AND METER BOX WITH LID.
- 2. THE NEW WATER SERVICE LINE SHALL BE OF THE SAME TYPE AND GRADE AS THE EXISTING WATER SERVICE LINE UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
- 3. THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUN OF 900mm COVER BELOW FINISHED GRADE.
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WATER METER RELOCATION DETAIL

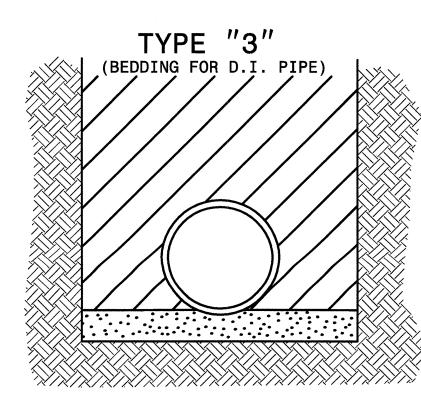
		RENCH WIDTH OF PIPE	
NOMINAL PIPE SIZE (mm)	TRENCH WIDTH (meter)	NOMINAL PIPE SIZE (mm)	TRENCH WIDTH (meter)
102	0.72	508	1.12
152	0.76	610	1.22
203	0.81	762	1.37
254	0.86	914	1.57
305	0.91	1067	1.68
356	0.97	1219	1.83
406	1.02	1400	1.98
457	1.07		

1.8m MIN. EXISTING FIRE HYDRANT RELOCATED TO BE RELOCATED FIRE HYDRANT - PROP. PAVEMENT PROP. GRADE -EXISTING 150mm GATE VALVE AND VALVE BOX EXIST. 150mm DI WATER PIPE - EXIST. TEE PROP. 20mm BITUMINOUS COATED ALL THREAD RESTRAINING RODS (2 EACH PER CONNECTION) PROP. 150mm DI WATER PIPE EXIST. 100mmX200mmX400mm PRECAST CONC. BLOCKING EXIST. 20mm BITUMINOUS COATED ALL THREAD RESTRAINING RODS - PROP. 100mmX200mmX400mm EXIST. CONC. PRECAST CONC. BLOCKING THRUST BLOCKING (2 EACH PER CONNECTION) PROP. CONC. THRUST BLOCKING FIRE HYDRANT RELOCATION DETAIL CONNECT TO EXISTING WATER SERVICE 300mm INSIDE RIGHT OF WAY PROPOSED GRADE -

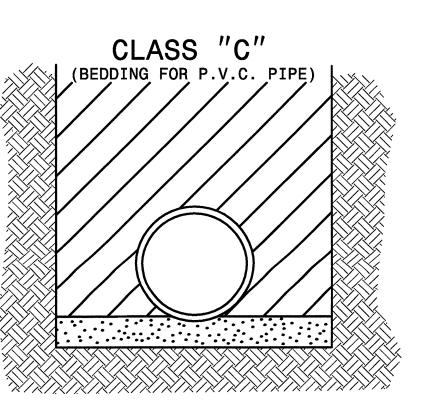
DITCH/ -EXISTING WATER METER AND METER BOX EXISTING GRADE 600mm MIN. EXISTING WATER LINE EXISTING WATER MAIN - EXISTING WATER LINE PROPOSED WATER LINE CORPORATION STOP PROPOSED WATER MAIN - TAPPING SADDLE NOTES: 1. THE NEW WATER SERVICE LINE SHALL BE OF THE SAME TYPE AND GRADE AS THE EXISTING WATER SERVICE LINE UNLESS OTHERWISE SHOWN ON THE

- PLANS OR DIRECTED BY THE ENGINEER.
- 2. THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUM OF 900mm COVER BELOW FINISHED GRADE.

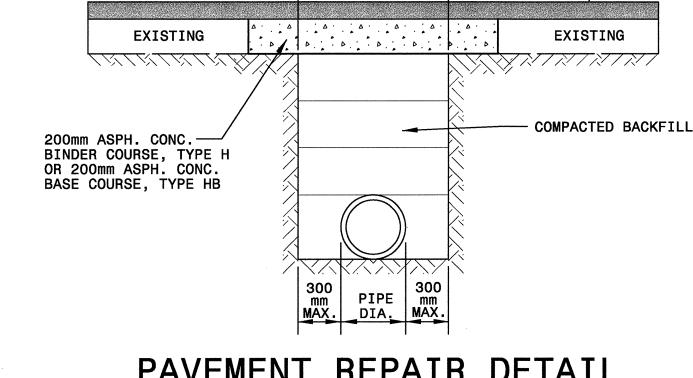
RECONNECT EXISTING WATER METER DETAIL



PIPE BEDDED IN 100mm MINIMUM LOOSE SOIL. TRENCH BACKFILLED IN LOOSE 150mm LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.



PIPE BEDDED IN LOOSE MATERIAL, LIGHTLY TAMPED WITH A MINIMUM OF 150mm UNDER PIPE. TRENCH BACKFILLED IN LOOSE 150mm LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL, IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.



WIDTH

EXIST. WATER MAIN

PAVEMENT REPAIR DETAIL

PROJECT REFERENCE NO.

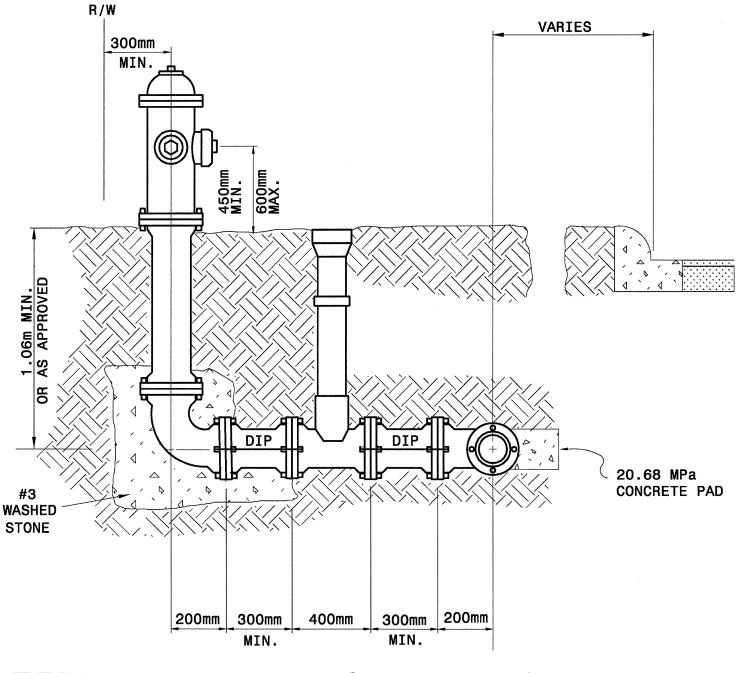
U-2408

UTILITY CONSTRUCTION

RESURFACING MATERIAL ---

METRIC

SHEET NO. UC-32



FIRE HYDRANT INSTALLATION DETAIL

Prepared in the Office of:

701 Corporate Center Drive, Suite 475 Raleigh, NC 27607 (919) 854-6200 - (919) 854-6259(FAX)