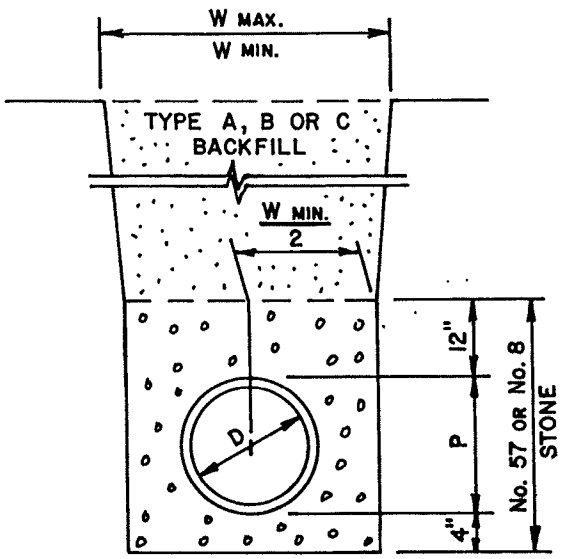
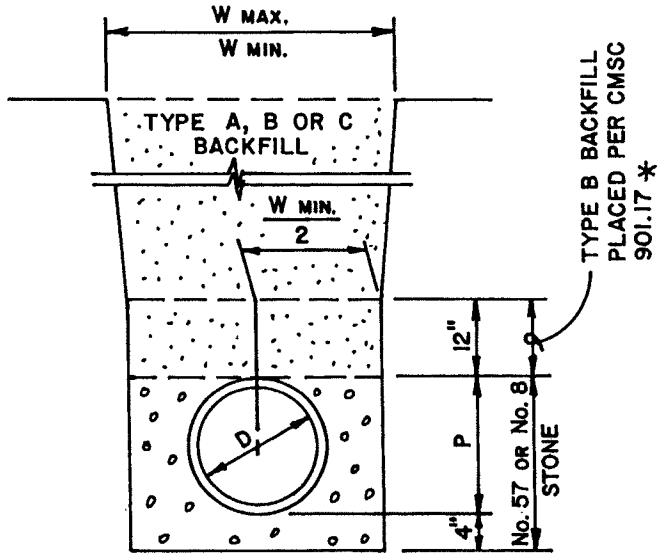
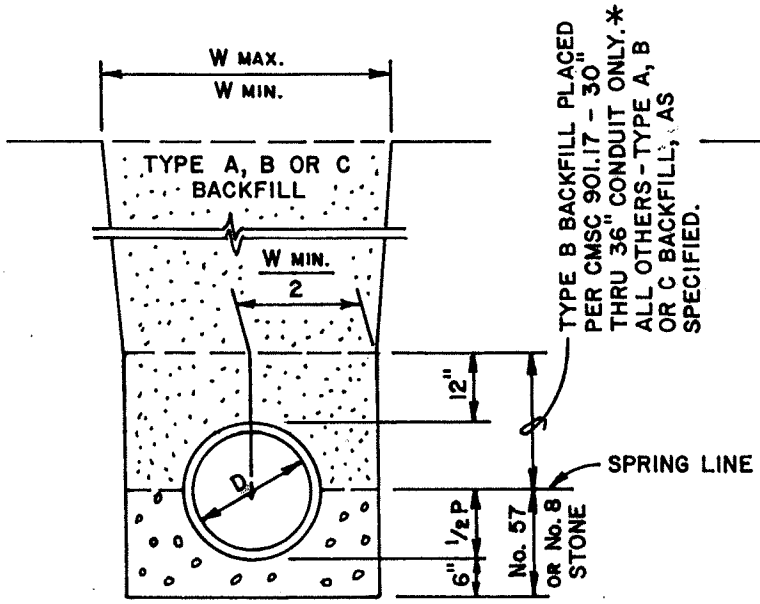


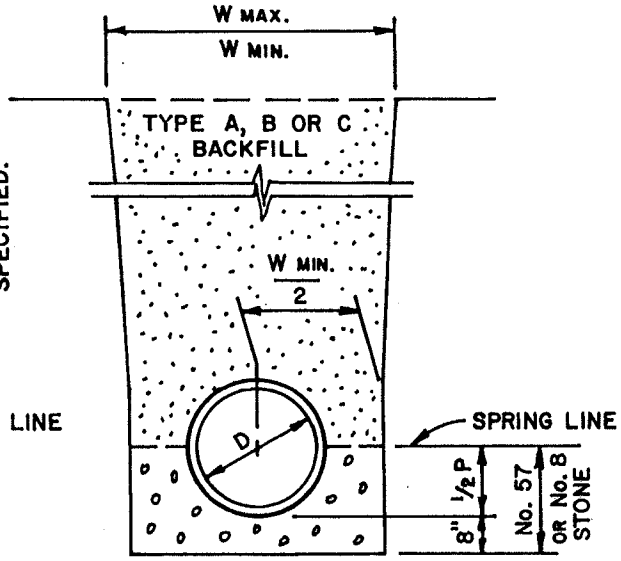
TYPICAL SECTION
6" THRU 16" RIGID CONDUIT
ALL FLEXIBLE CONDUIT



TYPICAL SECTION
18" THRU 27" RIGID CONDUIT



TYPICAL SECTION
30" THRU 90" RIGID CONDUIT



TYPICAL SECTION
96" & LARGER RIGID CONDUIT

* No. 57 OR No. 8 STONE MAY BE SUBSTITUTED WITHOUT ADDITIONAL COMPENSATION.

1/3

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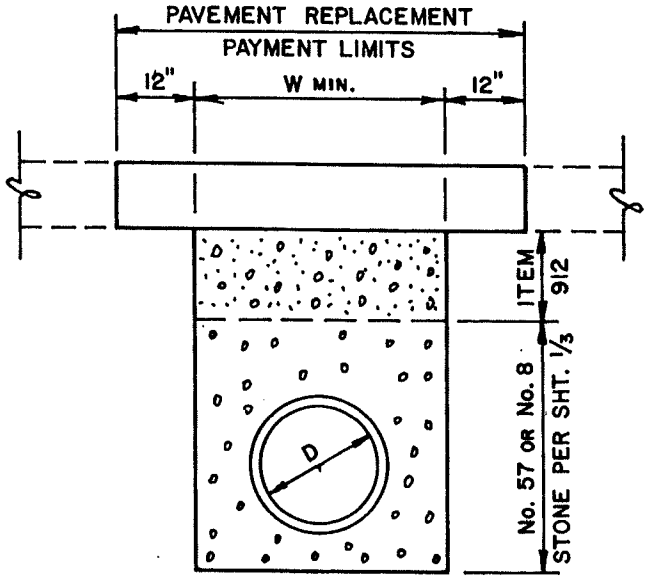
TYPICAL TRENCH SECTIONS WITH TYPE I BEDDING

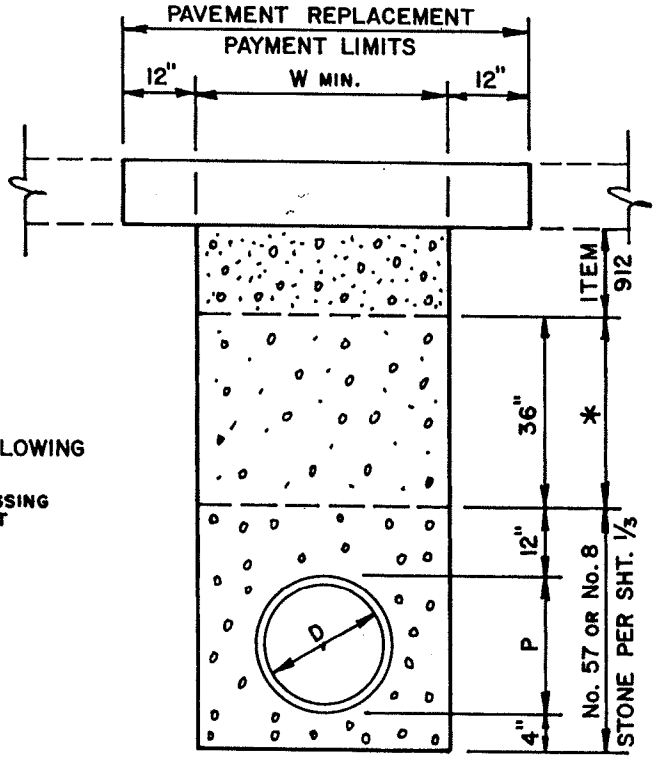
CITY OF
GROVE CITY, OHIO

STANDARD CONSTRUCTION DRAWING

REV.	DATE	DWG. Nº
9-1-99		C-GC-26



TYPICAL SECTION
RIGID CONDUIT UNDER EXISTING
OR PROPOSED PAVEMENT



* BACKFILL MEETING THE FOLLOWING GRADATION:

SIEVE	TOTAL % PASSING BY WEIGHT
1 INCH	100
No. 8	3-5

OR CONTROLLED DENSITY FILL, ITEM 636

TYPICAL SECTION
FLEXIBLE CONDUIT UNDER EXISTING
OR PROPOSED PAVEMENT

2/3

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TYPICAL TRENCH - NOTES

ALL ITEM NUMBERS SHOWN REFER TO CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC) ITEM NUMBERS.

TYPE A BACKFILL SHALL BE GRANULAR MATERIAL, ITEM 304 OR ITEM 310, COMPACTED AS STIPULATED IN ITEM 912.03, OR WHEN 6 FEET PLUS A PIPE DIAMETER ABOVE THE PIPE, SOIL COMPACTED TO MEET THE EMBANKMENT REQUIREMENTS OF ITEM 203.12. IN ALL CASES GRANULAR MATERIAL SHALL BE USED AROUND ALL MANHOLES, STRUCTURES AND CLEANOUTS.

TYPE B BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN TWO INCHES ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH OR FROZEN MATERIAL, COMPACTED TO 95% OF ITS MAXIMUM LABORATORY DRY WEIGHT.

TYPE C BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN SIX INCHES ACROSS THEIR GREATEST DIMENSION, VEGETATION, DEBRIS, RUBBISH OR FROZEN MATERIAL, COMPACTED TO 90% OF ITS MAXIMUM LABORATORY DRY WEIGHT. WHEN APPROVED BY THE ENGINEER, ROCKS NO LARGER THAN ONE CUBIC FOOT MAY BE DEPOSITED AT LEAST THREE FEET ABOVE THE TOP OF THE SEWER.

AGGREGATE FOR BEDDING IS Nº 57 OR Nº 8, ITEM 703.

THE EXCAVATED TRENCH WIDTH TWELVE INCHES (12") ABOVE THE CONDUIT MAY BE INCREASED WITHOUT EXTRA COMPENSATION.

TRENCH DAMS SHALL BE CONSTRUCTED ON ALL SANITARY SEWERS IN ACCORDANCE WITH ITEM 901.11.

DIMENSIONS - INCHES

CONDUIT		MIN. W	MAX. W	CONDUIT		MIN. W	MAX. W	CONDUIT		MIN. W	MAX. W
D	P			D	P			D	P		
6	7 7/16	30	48	24	30	48	60	66	79	105	127
8	9 3/4	30	48	27	33 1/2	52	64	72	86	116	134
10	12	30	48	30	37	57	67	78	92	123	141
12	14 5/16	32	48	33	40 1/2	61	71	84	101	130	148
15	17 13/16	36	50	36	44	64	74	90	106	136	155
16	19	38	52	42	51	71	81	96	113	143	162
18	23	40	53	48	58	78	88	102	119	151	169
20	25 1/4	42	56	54	65	87	95	108	126	160	176
21	26 1/2	44	57	60	72	96	102				

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TYPICAL TRENCH SECTIONS WITH TYPE I BEDDING

CITY OF GROVE CITY, OHIO

STANDARD CONSTRUCTION DRAWING

REV.	DATE	DWG. Nº
9-1-99		C-GC-26