Designer Note: Insert into all contracts using Class C or Class D pipe culverts, or Class B storm sewers.

## CORRUGATED PLASTIC PIPE (CULVERT AND STORM SEWER) (BDE)

Effective: January 1, 2021
Revise Tables IIIA and IIIB of Article 542.03 and the storm sewers tables of Article 550.03 of the Standard Specifications to read:
(SEE TABLES ON NEXT 10 PAGES)


| PIPE CULVERTS (metric) TABLE IIIA: PLASTIC PIPE PERMITTED <br> FOR A GIVEN PIPE DIAMETER AND FILL HEIGHT OVER THE TOP OF THE PIPE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal Diameter (mm) | Type 1 |  |  |  |  | Type 2 |  |  |  |  | Type 3 |  |  |  |  | Type 4 |  |  |  |  |
|  | Fill Height: 1 m and less, with 0.3 m min. cover |  |  |  |  | II Height: Greater than 1 m , not exceeding 3 m |  |  |  |  | II Height: Greater than 3 m , not exceeding 4.5 m |  |  |  |  | Fill Height: Greater than 4.5 m , notexceeding 6 m |  |  |  |  |
|  | PVC | CPVC | PE | CPE | CPP | PVC | CPVC | PE | CPE | CPP | PVC | CPVC | PE | CPE | CPP | PVC | CPVC | PE | CPE | CPP |
| 250 | X | QPL | X | QPL | NA | X | QPL | X | QPL | NA | X | QPL | X | QPL | NA | X | QPL | X | QPL | NA |
| 300 | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL |
| 375 | X | QPL | NA | QPL | QPL | X | QPL | NA | QPL | QPL | X | QPL | NA | QPL | QPL | X | QPL | NA | QPL | QPL |
| 450 | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL |
| 525 | X | QPL | NA | QPL | NA | X | QPL | NA | QPL | NA | X | QPL | NA | QPL | NA | X | QPL | NA | NA | NA |
| 600 | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL | X | QPL | X | NA | QPL |
| 675 | X | NA | NA | NA | NA | X | NA | NA | NA | NA | X | NA | NA | NA | NA | X | NA | NA | NA | NA |
| 750 | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL | X | QPL | X | NA | QPL |
| 900 | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL | X | QPL | X | QPL | QPL | X | QPL | X | NA | QPL |
| 1050 | X | NA | X | QPL | QPL | X | NA | X | QPL | QPL | X | NA | X | NA | QPL | X | NA | X | NA | NA |
| 1200 | X | NA | X | QPL | QPL | X | NA | X | QPL | QPL | X | NA | X | NA | QPL | X | NA | X | NA | NA |
| 1350 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1500 | NA | NA | NA | QPL | QPL | NA | NA | NA | QPL | QPL | NA | NA | NA | NA | QPL | NA | NA | NA | NA | NA |

Notes: PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe with a Smooth Interior
PE Polyethylene Pipe
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene Pipe with a Smooth Interior
$X \quad$ Permitted
QPL Permitted for the producers approved for that diameter in the Department's qualified product list
NA Not Acceptable

| PIPE CULVERTSTABLE IIIB: PLASTIC PIPE PERMITTEDFOR A GIVEN PIPE DIAMETER AND FILL HEIGHT OVER THE TOP OF THE PIPE |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal Diameter (in.) | Type 5 |  |  |  |  | Type 6 |  |  | Type 7 |  |  |
|  | Fill Height: Greater than 20',not exceeding $25^{\prime}$ |  |  |  |  | Height: Greater than 25', not exceeding $30^{\prime}$ |  |  | Height: Greater than 30', not exceeding $35^{\prime}$ |  |  |
|  | PVC | PVC | PE | PPE | PPP | PVC | PVC | PE | PVC | PVC | PE |
| 10 | X | 2PL | X | 2PL | NA | $\bar{X}$ | 2PL | $\begin{aligned} & X \\ & x \end{aligned}$ | $\underset{v}{X}$ | QPL | $\bar{X}$ |
| 15 | X | 2PL | NA | NA | 2PL | X | 2PL | NA | X | QPL | NA |
| 18 | X | 2PL | X | NA | NA | X | 2PL | X | X | QPL | X |
| 21 | X | 2PL | NA | NA | NA | X | 2PL | NA | X | QPL | NA |
| 24 | X | PPL | X | NA | NA | X | 2PL | X | X | QPL | X |
| 27 | X | NA | NA | NA | NA | X | NA | NA | X | NA | NA |
| 30 | X | 2PL | X | NA | 2PL | X | QPL | X | X | QPL | X |
| 36 | X | 2PL | X | NA | NA | X | 2PL | X | X | QPL | X |
| 42 | X | NA | X | NA | NA | X | NA | X | X | NA | X |
| 48 | X | NA | X | NA | NA | X | NA | X | X | NA | X |
| 54 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 60 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |


| Notes: | PVC | Polyvinyl Chloride Pipe |
| :--- | :--- | :--- |
| CPVC | Corrugated Polyvinyl Chloride Pipe with a Smooth Interior |  |
| CPP | Corrugated Polypropylene Pipe with a Smooth Interior |  |
| X | Permitted |  |
| QPL | Permitted for the producers approved for that diameter in the Department's qualified product list |  |
| NA | Not Acceptable |  |




| STORM SEWERS (metric) <br> KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED <br> FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal Diameter mm | Type 1 |  |  |  |  |  |  |  | Type 2 |  |  |  |  |  |  |  |
|  | Fill Height: 1 m and less, with 300 mm min, |  |  |  |  |  |  |  | Fill Height: Greater than 1 m , not exceeding 3 m |  |  |  |  |  |  |  |
|  | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP |
| 250 | NA | 3 | X | X | QPL | X | QPL | NA | NA | 1 | ${ }^{*}$ X | X | QPL | X | QPL | NA |
| 300 | IV | NA | X | X | QPL | X | QPL | QPL | II | 1 | *X | X | QPL | X | QPL | QPL |
| 375 | IV | NA | NA | X | QPL | NA | QPL | QPL | II | 1 | *X | X | QPL | NA | QPL | QPL |
| 450 | IV | NA | NA | X | QPL | X | QPL | QPL | II | 2 | X | X | QPL | X | QPL | QPL |
| 525 | III | NA | NA | X | QPL | NA | QPL | NA | II | 2 | X | X | QPL | NA | QPL | NA |
| 600 | III | NA | NA | X | QPL | X | QPL | QPL | II | 2 | X | X | QPL | X | QPL | QPL |
| 675 | III | NA | NA | X | NA | NA | NA | NA | II | 3 | X | X | NA | NA | NA | NA |
| 750 | IV | NA | NA | X | QPL | X | QPL | QPL | II | 3 | X | X | QPL | X | QPL | QPL |
| 825 | III | NA | NA | NA | NA | NA | NA | NA | II | NA | X | NA | NA | NA | NA | NA |
| 900 | III | NA | NA | X | QPL | X | QPL | QPL | II | NA | X | X | QPL | X | QPL | QPL |
| 1050 | 11 | NA | X | X | NA | X | QPL | QPL | II | NA | X | X | NA | X | QPL | QPL |
| 1200 | II | NA | X | X | NA | X | QPL | QPL | II | NA | X | X | NA | X | QPL | QPL |
| 1350 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 1500 | II | NA | NA | NA | NA | NA | QPL | QPL | II | NA | NA | NA | NA | NA | QPL | QPL |
| 1650 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 1800 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 1950 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 2100 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 2250 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 2400 | II | NA | NA | NA | NA | NA | NA | NA | III | NA | NA | NA | NA | NA | NA | NA |
| 2550 | II | NA | NA | NA | NA | NA | NA | NA | III | NA | NA | NA | NA | NA | NA | NA |
| 2700 | II | NA | NA | NA | NA | NA | NA | NA | III | NA | NA | NA | NA | NA | NA | NA |
| RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CSP Concrete Sewer, Storm drain, and Culvert Pipe (number in column indicates strength class) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ESCP Extra Strength Clay Pipe |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | Polyvinyl Chloride Pipe |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | CPV | Corrugated Polyvinyl Chloride Pipe with a Smooth Interior Polyethylene Pipe |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | PE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | CPE | Corrugated Polyethylene Pipe with a Smooth Interior |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | CPP | Corrugated Polypropylene Pipe with a Smooth Interior |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | X | Permitted |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | QPL | Permitted for the producers approved for that diameter in the Department's qualified product list |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | NA | Not Acceptable |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | May also use Standard Strength Clay Pipe |  |  |  |  |  |  |  |  |  |  |  |  |  |


| STORM SEWERS KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED <br> FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal Diameter in. | Type 3 |  |  |  |  |  |  |  | Type 4 |  |  |  |  |  |  |  |
|  | Fill Height: Greater than 10' not exceeding $15^{\prime}$ |  |  |  |  |  |  |  | Fill Height: Greater than $15^{\prime}$ not exceeding 20' |  |  |  |  |  |  |  |
|  | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP |
| 10 | NA | 2 | X | X | QPL | X | QPL | NA | NA | 3 | X | X | QPL | X | QPL | NA |
| 12 | III | 2 | X | X | QPL | X | QPL | QPL | IV | NA | NA | X | QPL | X | QPL | QPL |
| 15 | III | 3 | X | X | QPL | NA | QPL | QPL | IV | NA | NA | X | QPL | NA | QPL | QPL |
| 18 | III | NA | X | X | QPL | X | QPL | QPL | IV | NA | NA | X | QPL | X | QPL | QPL |
| 21 | III | NA | NA | X | QPL | NA | QPL | NA | IV | NA | NA | X | QPL | NA | NA | NA |
| 24 | III | NA | NA | X | QPL | X | QPL | QPL | IV | NA | NA | X | QPL | X | NA | QPL |
| 27 | III | NA | NA | X | NA | NA | NA | NA | IV | NA | NA | X | NA | NA | NA | NA |
| 30 | III | NA | NA | X | QPL | X | QPL | QPL | IV | NA | NA | X | QPL | X | NA | QPL |
| 33 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 36 | III | NA | NA | X | QPL | X | QPL | QPL | IV | NA | NA | X | QPL | X | NA | QPL |
| 42 | III | NA | NA | X | NA | X | NA | QPL | IV | NA | NA | X | NA | X | NA | NA |
| 48 | III | NA | NA | X | NA | X | NA | QPL | IV | NA | NA | X | NA | X | NA | NA |
| 54 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 60 | III | NA | NA | NA | NA | NA | NA | QPL | IV | NA | NA | NA | NA | NA | NA | NA |
| 66 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 72 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 78 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 84 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 90 | III | NA | NA | NA | NA | NA | NA | NA | 1680 | NA | NA | NA | NA | NA | NA | NA |
| 96 | III | NA | NA | NA | NA | NA | NA | NA | 1690 | NA | NA | NA | NA | NA | NA | NA |
| 102 | III | NA | NA | NA | NA | NA | NA | NA | 1700 | NA | NA | NA | NA | NA | NA | NA |
| 108 | 1360 | NA | NA | NA | NA | NA | NA | NA | 1710 | NA | NA | NA | NA | NA | NA | NA |

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe (RCCP with a number instead of a Roman numeral shall
be furnished according to AASHTO M170 Section 6. This number represents the D-load to produce a 0.01 in crack.)

| CSP | Concrete Sewer, Storm drain, and Culvert Pipe (number in column indicates strength class) |
| :--- | :--- |
| ESCP | Extra Strength Clay Pipe |
| PVC | Polyvinyl Chloride Pipe |
| CPVC | Corrugated Polyvinyl Chloride Pipe with a Smooth Interior |
| PE | Polyethylene Pipe |
| CPE | Corrugated Polyethylene Pipe with a Smooth Interior |
| CPP | Corrugated Polypropylene Pipe with a Smooth Interior |
| X | Permitted |
| QPL | Permitted for the producers approved for that diameter in the Department's qualified product list |
| NA | Not Acceptable |


| STORM SEWERS (metric) <br> KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED <br> FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal Diameter mm | Type 3 |  |  |  |  |  |  |  | Type 4 |  |  |  |  |  |  |  |
|  | Fill Height: Greater than 3 m , not exceeding 4.5 m |  |  |  |  |  |  |  | Fill Height: Greater than 4.5 m , not exceeding 6 m |  |  |  |  |  |  |  |
|  | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP |
| 250 | NA | 2 | X | X | QPL | X | QPL | NA | NA | 3 | X | X | QPL | X | QPL | NA |
| 300 | III | 2 | X | X | QPL | X | QPL | QPL | IV | NA | NA | X | QPL | X | QPL | QPL |
| 375 | III | 3 | X | X | QPL | NA | QPL | QPL | IV | NA | NA | X | QPL | NA | QPL | QPL |
| 450 | III | NA | X | X | QPL | X | QPL | QPL | IV | NA | NA | X | QPL | X | QPL | QPL |
| 525 | III | NA | NA | X | QPL | NA | QPL | NA | IV | NA | NA | X | QPL | NA | NA | NA |
| 600 | III | NA | NA | X | QPL | X | QPL | QPL | IV | NA | NA | X | QPL | X | NA | QPL |
| 675 | III | NA | NA | X | NA | NA | NA | NA | IV | NA | NA | X | NA | NA | NA | NA |
| 750 | III | NA | NA | X | QPL | X | QPL | QPL | IV | NA | NA | X | QPL | X | NA | QPL |
| 825 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 900 | III | NA | NA | X | QPL | X | QPL | QPL | IV | NA | NA | X | QPL | X | NA | QPL |
| 1050 | III | NA | NA | X | NA | X | NA | QPL | IV | NA | NA | X | NA | X | NA | NA |
| 1200 | III | NA | NA | X | NA | X | NA | QPL | IV | NA | NA | X | NA | X | NA | NA |
| 1350 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 1500 | III | NA | NA | NA | NA | NA | NA | QPL | IV | NA | NA | NA | NA | NA | NA | NA |
| 1650 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 1800 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 1950 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 2100 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA | NA |
| 2250 | III | NA | NA | NA | NA | NA | NA | NA | 80 | NA | NA | NA | NA | NA | NA | NA |
| 2400 | III | NA | NA | NA | NA | NA | NA | NA | 80 | NA | NA | NA | NA | NA | NA | NA |
| 2550 | III | NA | NA | NA | NA | NA | NA | NA | 80 | NA | NA | NA | NA | NA | NA | NA |
| 2700 | 70 | NA | NA | NA | NA | NA | NA | NA | 80 | NA | NA | NA | NA | NA | NA | NA |

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe (RCCP with a number instead of a Roman numeral
shall
be furnished according to AASHTO M170 Section 6. This number represents the D-load to produce a 25.4 micro-meter crack.)
CSP Concrete Sewer, Storm drain, and Culvert Pipe (number in column indicates strength class)
ESCP Extra Strength Clay Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe with a Smooth Interior
PE Polyethylene Pipe
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene Pipe with a Smooth Interior
$X \quad$ Permitted
QPL Permitted for the producers approved for that diameter in the Department's qualified product list
NA Not Acceptable

| STORM SEWERS <br> KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED <br> FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal Diameter in. | Type 5 |  |  |  |  |  | Type 6 |  |  |  | Type 7 |  |  |  |
|  | Fill Height: Greater than 20', not exceeding $25^{\prime}$ |  |  |  |  |  | Fill Height: Greater than 25',not exceeding $30^{\prime}$ |  |  |  | Fill Height: Greater than 30', not exceeding 35' |  |  |  |
|  | RCCP | PVC | CPVC | PE | CPE | CPP | RCCP | PVC | CPVC | PE | RCCP | PVC | CPVC | PE |
| 10 | NA | X | QPL | X | QPL | NA | NA | X | QPL | X | NA | X | QPL | X |
| 12 | IV | X | QPL | X | QPL | QPL | V | X | QPL | X | V | X | QPL | X |
| 15 | IV | X | QPL | NA | NA | QPL | V | X | QPL | NA | V | X | QPL | NA |
| 18 | IV | X | QPL | X | NA | NA | V | X | QPL | X | V | X | QPL | X |
| 21 | IV | X | QPL | NA | NA | NA | V | X | QPL | NA | V | X | QPL | NA |
| 24 | IV | X | QPL | X | NA | NA | V | X | QPL | X | V | X | QPL | X |
| 27 | IV | X | NA | NA | NA | NA | V | X | NA | NA | V | X | NA | NA |
| 30 | IV | X | QPL | X | NA | QPL | V | X | QPL | X | V | X | QPL | X |
| 33 | IV | NA | NA | NA | NA | NA | V | NA | NA | NA | V | NA | NA | NA |
| 36 | IV | X | QPL | X | NA | NA | V | X | QPL | X | V | X | QPL | X |
| 42 | IV | X | NA | X | NA | NA | V | X | NA | X | V | X | NA | X |
| 48 | IV | X | NA | X | NA | NA | V | X | NA | X | V | X | NA | X |
| 54 | IV | NA | NA | NA | NA | NA | V | NA | NA | NA | V | NA | NA | NA |
| 60 | IV | NA | NA | NA | NA | NA | V | NA | NA | NA | V | NA | NA | NA |
| 66 | IV | NA | NA | NA | NA | NA | V | NA | NA | NA | V | NA | NA | NA |
| 72 | V | NA | NA | NA | NA | NA | V | NA | NA | NA | V | NA | NA | NA |
| 78 | 2020 | NA | NA | NA | NA | NA | 2370 | NA | NA | NA | 2730 | NA | NA | NA |
| 84 | 2020 | NA | NA | NA | NA | NA | 2380 | NA | NA | NA | 2740 | NA | NA | NA |
| 90 | 2030 | NA | NA | NA | NA | NA | 2390 | NA | NA | NA | 2750 | NA | NA | NA |
| 96 | 2040 | NA | NA | NA | NA | NA | 2400 | NA | NA | NA | 2750 | NA | NA | NA |
| 102 | 2050 | NA | NA | NA | NA | NA | 2410 | NA | NA | NA | 2760 | NA | NA | NA |
| 108 | 2060 | NA | NA | NA | NA | NA | 2410 | NA | NA | NA | 2770 | NA | NA | NA |
| RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe (RCCP with a number instead of a Roman numeral <br> shall <br> be according to AASHTO M170 Section 6. This number represents the D-load to produce a 0.01 in crack.) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PVC CPVC PE |  |  | Polyvinyl Chloride Pipe |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | Corrugated Polyvinyl Chloride Pipe with a Smooth Interior |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | Polyethylene Pipe |  |  |  |  |  |  |  |  |  |  |  |
| CPE |  |  | Corrugated Polyethylene Pipe with a Smooth Interior |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { CPP } \\ & \mathrm{X} \end{aligned}$ |  |  | Corrugated Polypropylene Pipe with a Smooth Interior |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | Permitted |  |  |  |  |  |  |  |  |  |  |  |
| QPL |  |  | Permitted for the producers approved for that diameter in the Department's qualified product list |  |  |  |  |  |  |  |  |  |  |  |
| NA |  |  | Not Acceptable |  |  |  |  |  |  |  |  |  |  |  |



Revise the first paragraph of Article 1040.03 of the Standard Specifications to read:
"1040.03 Polyvinyl Chloride (PVC) Pipe. Acceptance testing of PVC pipe and fittings shall be accomplished during the same construction season in which they are installed. The pipe shall meet the following additional requirements."

Revise Article 1040.04(b) of the Standard Specifications to read:
"(b) Corrugated PE Pipe with a Smooth Interior. The manufacturer shall be listed as compliant through the NTPEP program and the pipe shall be according to AASHTO M 294 (nominal size -12 to 60 in . ( 300 mm to 1500 mm )). The pipe shall be Type S or D."

Revise the first paragraph of Article 1040.04(d) of the Standard Specifications to read:
"(d) PE Pipe with a Smooth Interior. The pipe shall be according to ASTM F 714 (DR 32.5) with a minimum cell classification of PE 335434 as defined in ASTM D 3350."

Revise the first paragraph of Article 1040.08 of the Standard Specifications to read:
"1040.08 Polypropylene (PP) Pipe. Storage and handling shall be according to the manufacturer's recommendations, except in no case shall the pipe be exposed to direct sunlight for more than six months. Acceptance testing of the pipe shall be accomplished during the same construction season in which it is installed. The pipe shall meet the following additional requirements."

