



**A Century of Progress with Pride**

**CONSTRUCTION REQUIREMENTS**

**General**

1. All contractors shall be insured, bonded and licensed with The City of Berwyn.
2. All curb and gutter, sidewalk, driveway pavement, alley pavement and street patches scheduled for removal shall be saw cut full depth on all edges prior to starting removal.
3. Contractor is required to notify residents/businesses, Police and Fire Departments of any road closure due to construction.
4. City of Berwyn requires all water use to be metered. The contractor is required to arrange for a fire hydrant meter with the Public Works Department. A \$1,500.00 deposit is required.
5. City of Berwyn requires a 48-hour notice prior to construction.
6. All replacement shall be of equal or better condition to what existed prior to construction.
7. All work shall be performed in accordance with the latest edition of the "Standard Specifications for Road & Bridge Construction" as published by I.D.O.T.

**Concrete**

1. All curb and gutter damaged during construction shall be removed and replaced in accordance with I.D.O.T. standards (9" minimum gutter thickness required).
2. All concrete sidewalk damaged during construction shall be removed and replaced in accordance with I.D.O.T. Standards (5" minimum thickness for standard locations and 7" minimum thickness for sidewalk running through drives).
3. All public sidewalks shall be removed and replaced control joint to control joint, 5' X 5' minimum squares. All service and carriage sidewalk shall be removed and replaced from contraction joint to contraction joint. Partial square removal and replacement will not be allowed.
4. Detectable warnings, where required, shall be "Armor – Tile Tactile Systems" cast-in-place tiles.
5. All concrete driveway damaged during construction shall be removed and replaced in accordance with I.D.O.T. standards (7" minimum thickness over 4" of compacted aggregate base).
6. All concrete driveways shall be removed and replaced from contraction joint to contraction joint. Partial slab removal and replacement will not be allowed.

7. All alley pavement damaged during construction shall be removed and replaced in accordance with I.D.O.T. standards (8" minimum thickness with No. 6 epoxy coated tie bars grouted in place on 30" centers to tie the new pavement to the existing curb and gutter or pavement).
8. All alley pavements shall be removed and replaced from contraction joint to contraction joint at a minimum width of one half of the alley. Partial slab removal and replacement will not be allowed.
9. Expansion joints shall be placed where the sidewalk abuts existing sidewalks, between driveway pavement and sidewalk, and between sidewalk accessibility ramps and curbs where the ramp abuts a curb.

NOTE: All concrete referenced above shall be a six (6) bag mix or greater. Fiberglass may be used in place of wire mesh where applicable.

### **Hot-Mix Asphalt (HMA) Pavements**

1. All HMA driveway damage during utility installation shall be removed and replaced in accordance with I.D.O.T. standards (1 ½" HMA surface course over 1 ½" HMA leveling binder over 10" compacted aggregate base).
2. All HMA pavement on collector roadways shall be removed and replaced in accordance with the City's Standard (2" HMA surface course, Mix D, and 1" HMA leveling binder over 8" reinforced concrete base with No. 6 epoxy coated tie bars grouted in place on 30" centers to tie the existing curb and gutter or pavement to the new pavement).
3. All HMA pavement on residential roadways shall be removed and replaced in accordance with the City's Standard (2 – 1 ½" lifts of HMA surface course, Mix D, over 8" reinforced concrete base with No. 6 epoxy coated tie bars grouted in place on 30" centers to tie the existing curb and gutter or pavement to the new pavement).
4. All HMA alley pavement shall be removed and replaced in accordance with the City's Standard (2" HMA surface course, Mix D, over 6" reinforced concrete base with No. 6 epoxy coated tie bars grouted in place on 30" centers to tie the existing or pavement to the new pavement).

### **Miscellaneous Items**

1. All brick pavers damaged during utility installation shall be removed and replaced in accordance with the City's standard (brick paver over 1" sand bed over 8" compacted aggregate base over geotechnical fabric). Replacement brick pavers shall be identical to existing pavers.
2. All grass parkways disturbed during utility installation shall be restored with 4" of pulverized topsoil and sod.
3. All pavement markings, curb painting and reflective pavement markers need to be restored to their original condition.
4. All excavations within the roadway shall be backfilled with CA-7, compacted in 18 inch lifts (flowable fill may be substituted for CA-7).

5. All roadway excavations must be restored in accordance with The City of Berwyn Engineering Standards.
6. The City requires abandoned sewer services to be terminated at the point of connection at the main.
7. Projects located within a combined sewer area require a vapor barrier to be installed on the last storm sewer catch basin before entering the combined sewer system.
8. Fire hydrants shall be Mueller Super Centurion 250 Fire Hydrant, model A-423 (5 ¼” Barrel) with Mueller Valves/Hardware and Auxiliary Valve 6” Gate Valve No. 2360-23-9020 Modified Wedge Resilient Seat, or approved equal.
9. All hydrants shall be painted with two coats of Rust-Oleum Fire Hydrant Enamel (Fire Hydrant Red).
10. All commercial sewer repairs require an MWRD permit.

<b>PAVEMENT SUMMARY</b>			
<b>CONCRETE TYPE</b>	<b>REINFORCEMENT</b>	<b>CONC. DEPTH</b>	<b>STONE DEPTH</b>
PRIVATE SIDEWALK	Optional	4”	2”
PUBLIC SIDEWALK (non-driveway)	None	5”	2”
PRIVATE DRIVEWAY	Wire Mesh	6”	4”
DRIVEWAY IN RIGHT-OF-WAY	Wire Mesh/Fiberglass	7”	4”
GARAGE FLOOR	Wire Mesh	4”	4”
PATIO	Wire Mesh	4”	4”
ALLEY PAVEMENT	Wire Mesh/Fiberglass	8”	4”
<b>ASPHALT TYPE</b>	<b>THICKNESS</b>		<b>STONE</b>
RESIDENTIAL	2.5” Surface		6”
COMMERCIAL	1.5” Binder / 1.5” Surface		10”
ROADWAY-RESIDENTIAL	1.5” Binder / 1.5” Surface / 8” Concrete		4”
ROADWAY-COLLECTOR	1” Binder / 2” Surface / 8” Concrete		4”
ALLEY PAVEMENT	2” Surface / 6” Concrete		4”
<b>PAVER TYPE</b>	<b>STONE DEPTH</b>	<b>BEDDING TYPE</b>	
STANDARD-PRIVATE	4” CA-6	1” Sand	
STANDARD-RIGHT OF WAY	8” CA-6	1” Sand	
PERMABLE	12” CA-7	1” CA-16	

**NOTE:**

Stone base must be compacted before pre-pour inspection is conducted.