

CONDUIT PARALLEL TO BACK OF CURB

Notes:

1. Trenching: Conduit trenches shall have vertical walls and be excavated to a depth that permits conduit to be laid at 2'-0" below finished grade with a gravel cover, above and below. Backfill gravel to topsoil limit. Trenches shall be located adjacent to and parallel with curbs or pavements and shall not deviate more than 6" from the lines designated. Trenches shall not exceed 12" in width. Remove excess soil after backfilling.
2. Gravel: Shall be uncrushed washed gravel and pass a 1/2" sieve. Pour in place and compact to 95% standard proctor in layers not exceeding 6" each. City to inspect during construction.
3. Topsoil: Shall be clean, loose friable, loamy topsoil free of subsoil or refuse. Topsoil may be from the site or imported. Topsoil shall be placed and spread over the areas designated to a depth sufficiently greater than that shown so that after natural settlement the compacted work will conform to the elevations shown.
4. Conduit: Shall be heavy wall rigid nonmetallic schedule 40 PVC for use above and below ground or concrete encased. Rated for 90 degrees Celsius conductors and use in direct sunlight. Material shall be UL listed and comply with NEMA TC2-1978 and F.S. #WC-1094A. Provide in 10' sections. Seal all joints watertight. Glue joints with PVC cement. Bush all ends. All bends shall use long radius preformed elbows.
5. Conduit caps: Provide molded plastic or rubber capping device that only permits wire to pass through while preventing dirt, water, etc. from entering.
6. Pull wire: All empty conduit installed for future lighting shall contain a No. 10 AWG copper-clad pull wire.
7. Caution tape: 3" wide red plastic tape with black letters reading "CAUTION BURIED LINE BELOW". Bury above conduit 6" maximum below grade. Run continuous in all trenches not covered by pavement. City to inspect prior to burying.

APPROVED

Clyde R. Seidle
 CITY ENGINEER 9-1-15 DATE

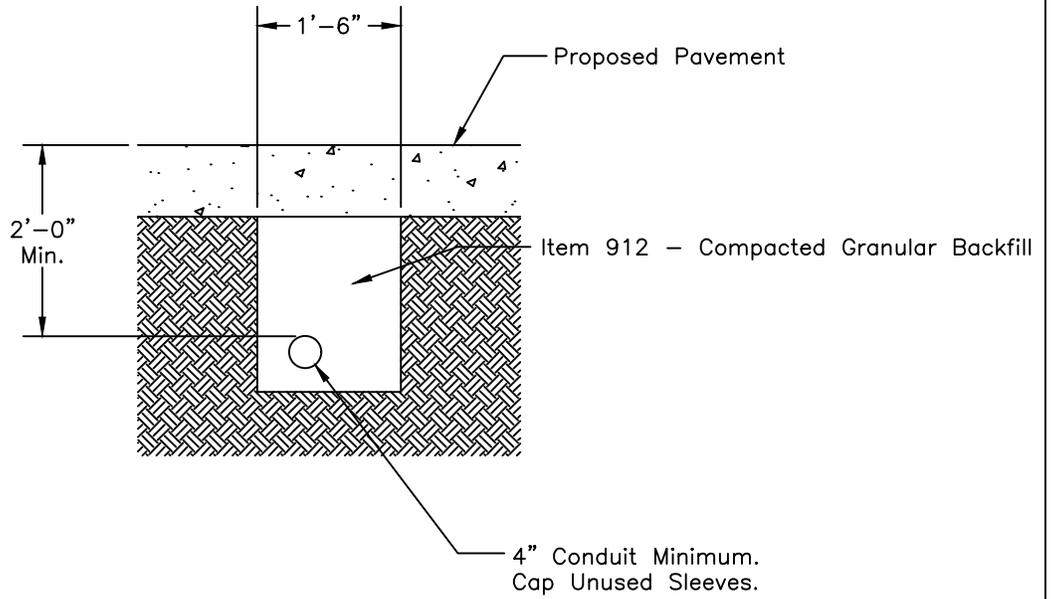
SCALE: 1/2" = 1'

UNDERGROUND
 CONDUIT/TRENCH DETAILS

CITY OF
HILLIARD, OHIO
 STANDARD
 CONSTRUCTION DRAWING

1/3

SL-6

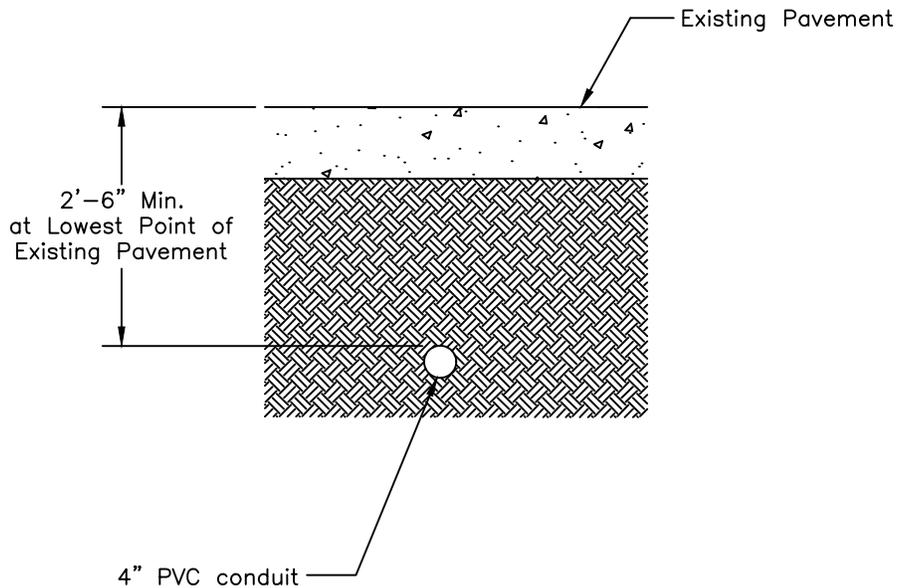


4" CONDUIT UNDER PROPOSED PAVEMENT & UNDER COMMERCIAL DRIVES BY OPEN TRENCH

Notes:

1. Trenching: Sleeve trenches shall have vertical walls and be excavated to a depth that permits sleeves to be laid at 2'-0" below finished grade with 3" concrete encasement around conduit sleeves. Sleeve trenches shall be located perpendicular to the road centerline unless otherwise specifically noted. Maintain in line with conduit setback dimensions at intersections and at curb cuts. gravel cover, above and below.
2. Conduit: Shall be a minimum of 4-inch Schedule 40 PVC conduits and fittings.
3. Conduit caps: Provide molded plastic or rubber capping device that only permits wire to pass through while preventing dirt, water, etc. from entering.
4. Pull wire: All empty conduit installed for future lighting shall contain a No. 10 AWG copper-clad pull wire.

APPROVED  CITY ENGINEER 9-1-15 DATE	UNDERGROUND CONDUIT/TRENCH DETAILS	CITY OF HILLIARD, OHIO STANDARD CONSTRUCTION DRAWING	
SCALE: 1/2" = 1'		2/3	SL-6



**4" CONDUIT UNDER PROPOSED PAVEMENT & UNDER
COMMERCIAL DRIVES BY HORIZONTAL DRILLING**

Notes:

1. Conduit sleeves placed under existing pavement or paved shoulders shall be installed by drilling, subject to approval of the City Engineer. If placed by drilling, the bore shall not exceed the conduit diameter by more than 5 percent. Conduit shall be placed with a minimum amount of disturbance to the roadway.
2. Conduit: Shall be heavy wall rigid nonmetallic Schedule 40 PVC (725.05) for use above and below ground or concrete encased. Rated for 90 degrees Celsius conductors and use in direct sunlight. Material shall be UL listed and comply with NEMA TC2-1978 and F.S. #WC-1094A. Provide in 10' sections. Seal all joints watertight. Glue joints with PVC cement. Bush all ends. All bends shall use long radius preformed elbows.
3. Conduit caps: Provide molded plastic or rubber capping device that only permits wire to pass through while preventing dirt, water, etc. from entering.
4. Pull wire: All empty conduit installed for future lighting shall contain a No. 10 AWG copper-clad pull wire.

<p>APPROVED</p> <p><i>Clyde R. Seidle</i> 9-1-15 CITY ENGINEER DATE</p>	<p>UNDERGROUND CONDUIT/TRENCH DETAILS</p>	<p>CITY OF HILLIARD, OHIO</p>	
		<p>STANDARD CONSTRUCTION DRAWING</p>	
<p>SCALE: 1/2" = 1'</p>		<p>3/3</p>	<p>SL-6</p>