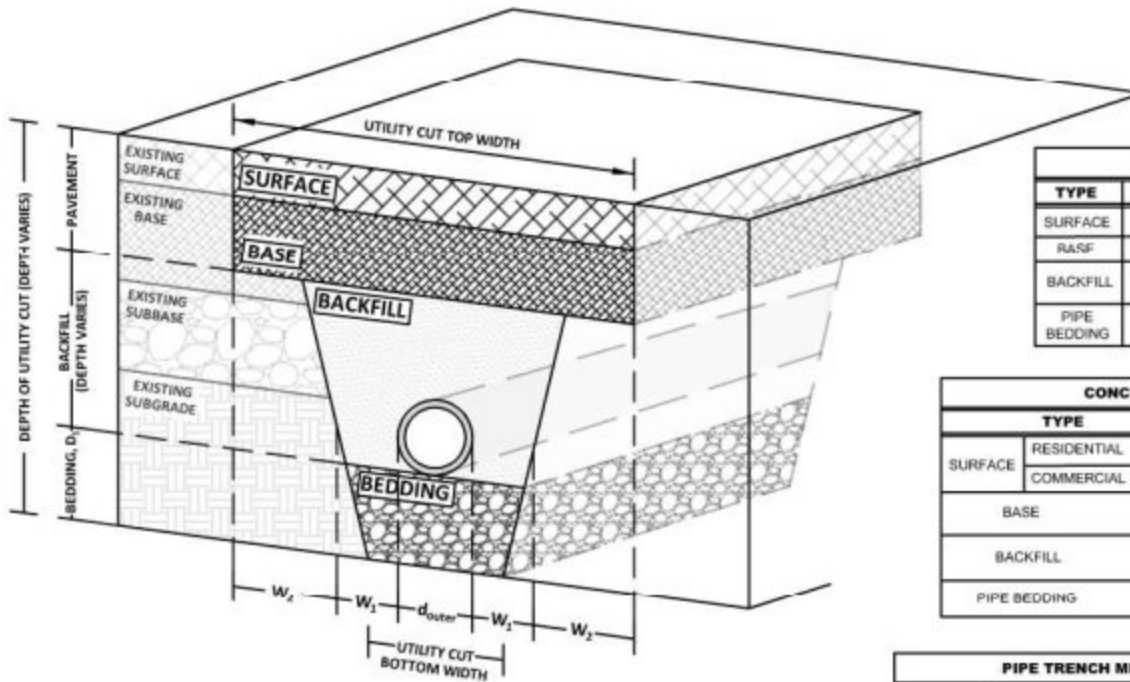


UTILITY STREET CUT



ASPHALT PAVEMENT REQUIREMENTS		
TYPE	MATERIAL	THICKNESS
SURFACE	165 LB/SY HMA 9.5mm	1.5"
BASE	385 LB/SY HMA 25mm	3.5"
BACKFILL	DIGGABLE FLOWABLE FILL, 150 - 250psi	VARIES
PIPE BEDDING	#11 OR #53 CRUSHED STONE, MECHANICALLY COMPACTED	SEE PIPE TRENCH TABLE

CONCRETE PAVEMENT REQUIREMENTS		
TYPE	MATERIAL	THICKNESS
SURFACE	RESIDENTIAL P.C.C.P. 3500psi	6" MIN.
	COMMERCIAL P.C.C.P. 3500psi	10" MIN.
BASE	#53 CRUSHED STONE, MECHANICALLY COMPACTED	6" MIN.
BACKFILL	DIGGABLE FLOWABLE FILL, 150 - 250psi	VARIES
PIPE BEDDING	#11 OR #53 CRUSHED STONE, MECHANICALLY COMPACTED	SEE PIPE TRENCH TABLE

PIPE TRENCH MINIMUM REQUIRED DIMENSIONS			
SYMBOL	DESCRIPTION	PIPE DIAMETER	DIMENSION
D ₁	Depth From Bottom Of Pipe To Trench Floor	Pipe Diameter ≤ 24"	4"
		Pipe Diameter > 24"	6"
W ₁	Width From Edge Of Pipe To Trench Wall	Pipe Diameter ≤ 24"	6"
		Pipe Diameter > 24"	12"
W ₂	Width Of Pavement To Exceed Trench Limits		12"
d _{outer}	Pipe Outer Diameter		Varies

GENERAL NOTES

- Utility street cuts shall be saw cut to the full depth of the pavement.
- The new pavement material shall match the material of the existing, adjacent pavement.
- Dependent on the type of work of the utility repair, the replacement of the utility bedding may not be required.
- Castings located in the roadway shall be flush with the pavement and follow the cross slope and grade of the road. See Detail CA-1 for casting adjustment details.
- Traffic control shall conform to and be in accordance with the Indiana Manual of Uniform Traffic Control Devices.
- All faces of the existing pavement shall be applied with a tack coat.
- All stone and asphalt courses shall be compacted to a minimum of 95% compaction. Areas inaccessible to rollers shall be compacted thoroughly with a vibratory plate compactor.
- Diggable flowable fill shall be thoroughly consolidated against all faces of the forms or adjacent structures.
- HMA courses less than 110 LB/SY are to be placed when the ambient and surface temperatures are 60°F or above. HMA courses equal to or greater than 110 LB/SY but less than 220 LB/SY are to be placed when the ambient and surface temperatures are 45°F or above.
- The limits of a concrete pavement patch shall be extended to that of a full panel.
- The concrete pavement shall match the existing concrete pavement thickness if it is greater than the minimum thickness requirements.
- All stone shall be compacted to a minimum of 95% compaction. Areas inaccessible to rollers shall be compacted thoroughly with a vibratory plate compactor.
- P.C.C.P and diggable flowable fill shall be thoroughly consolidated against all faces of the forms or adjacent structures.
- Dowel bars and tie bars shall be doweled into existing pavement with an approved epoxy for P.C.C.P greater than 6" in thickness.
- See Detail XXX for dowel and tie bar placement and requirements.
- Concrete shall not be placed on frozen subgrade or subbase.
- Transverse D-1 contraction joints shall not exceed a spacing of 18' and/or shall line up with the existing transverse joint pattern.
- Longitudinal joints shall be added if the panel is wider than 12' and/or shall line up with the existing longitudinal joint pattern.
- Longitudinal and transverse construction joints shall be sealed. See Detail XXX for joint seal requirements.



DETAIL USCP-1 UTILITY STREET CUT PATCH

NO SCALE