


	<p style="text-align: center;">CIVIL TRENCHING</p>	1419
		Sheet 1 of 1
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1419

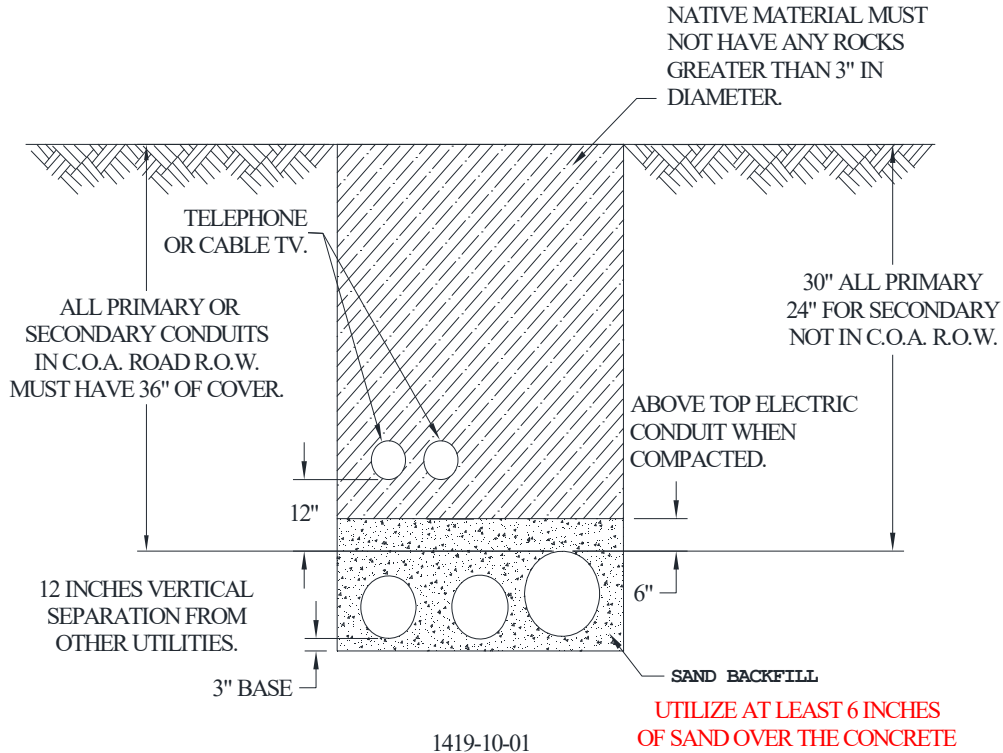
TRENCHING

CONTAINS

- 1419-10 BASE, SAND, AND BACKFILL**
- 1419-20 BASE, CONCRETE HOT MIX, & CONCRETE
BACKFILL**
- 1419-25 NON-JOINT TRENCHING BASE, CONCRETE
HOT MIX, & CONCRETE BACKFILL**

1419-10	CIVIL	
Sheet 1 of 2	TRENCHING	
	BASE, SAND, AND BACKFILL	Rev: 08/01/20

TYPICAL URD TRENCH CROSS - SECTION



BEDDING SAND


AGGREGATE SHALL CONSIST OF CLEAN, HARD, DURABLE AND UNCOATED PARTICLES OF NATURAL OR MANUFACTURED SAND OR COMBINATION THEREOF, WITH OR WITHOUT MINERAL FILLER. IT SHALL BE FREE OF FROZEN MATERIAL OR INJURIOUS AMOUNT OF SALT, ALKALI, VEGETABLE MATTER OR OBJECTIONABLE MATERIAL AND SHALL NOT CONTAIN MORE THAN 0.5 PERCENT BY WEIGHT OF CLAY OR OTHER BINDING AGENTS. BEDDING SAND SHALL CONFORM TO THE FINE AGGREGATE REQUIREMENTS OF THE CITY OF AUSTIN, STANDARD SPECIFICATION, ITEM NO. 403, CONCRETE FOR STRUCTURES.

FLEXIBLE BASE

THE FLEXIBLE BASE MATERIAL SHALL CONSIST OF CRUSHED LIMESTONE ARTICLES AND DURABLE COURSE AGGREGATE PARTICLES MIXED WITH APPROVED BINDING MATERIALS AND SHALL CONFORM TO THE CITY OF AUSTIN, STANDARD SPECIFICATION, ITEM NO. 210, FLEXIBLE BASE.

MINIMUM COVER OVER TOP OF PRIMARY AND SECONDARY CONDUITS SHALL BE 30-IN. AND 24-IN., RESPECTIVELY.

USE RED WARNING TAPE OR TRACER TAPES FOR ROADS OR R.O.W. IF APPLICABLE.


	CIVIL TRENCHING	1419-10
	BASE, SAND, AND BACKFILL	Sheet 2 of 2
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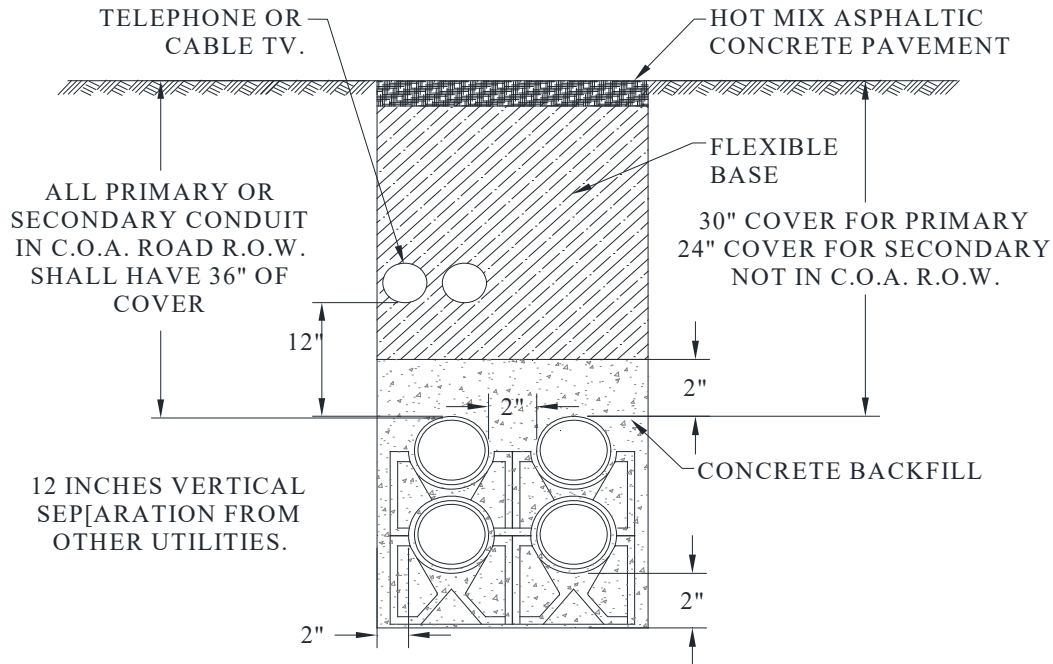
CU

CU-ID	CU-REF	CU-DESCRIPTION
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SAND1-CY	14191001	SAND - 1 CUBIC YARD
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ID	PART NUM	PART DESC	QTY	CU-REF
1	0000001391	SAND ONE CUBIC YARD	1 CY	14191001

1419-20	CIVIL	
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	BASE, CONCRETE HOT MIX, AND CONCRETE BACKFILL	



- 1419-20-10 BASE FLEXABLE - 1 CUYD
- 1419-20-20 CONCRETE HOT MIX ASPHALT - 1 CUYD
- 1419-20-30 CONCRETE BACKFILL - 1 CUYD

THE FLEXIBLE BASE MATERIAL SHALL CONSIST OF CRUSHED LIMESTONE PARTICLES AND DURABLE COURSE AGGREGATE PARTICLES MIXED WITH APPROVED BINDING MATERIALS AND SHALL CONFORM TO THE CITY OF AUSTIN, STANDARD SPECIFICATION, ITEM NO. 210, FLEXIBLE BASE.


IN ENCASED CONCRETE INSTALLATIONS, THE CONCRETE MIXTURE SHALL DEVELOP A MINIMUM STRENGTH OF 2000 PSI AT 28 DAYS AND SHALL HAVE A MINIMUM OF FOUR SACKS OF CONCRETE PER CUBIC YARD. MAXIMUM SLUMP FOR THE MIXTURE SHALL BE 6-IN., AND THE AGGREGATE IN THE MIXTURE SHALL BE NO LARGER THAN 3/8-IN. (2" MIN. CONCRETE ENCASEMENT)

HOT MIX ASPHALTIC CONCRETE PAVEMENT SHALL BE THE TYPE NECESSARY TO REPLACE OR MATCH PAVEMENT REMOVED DURING THE PURSUANCE OF DUCTLINE CONSTRUCTION AND SHALL CONFORM TO THE CITY OF AUSTIN, STANDARD SPECIFICATION, ITEM NO. 340, HOT MIX ASPHALTIC CONCRETE.

CONDUIT SPACERS SHALL BE REQUIRED FOR ALL STACKED CONDUIT CONFIGURATIONS.

BACKFILL IN PAVED STREETS WITHIN THE CITY LIMITS OF AUSTIN SHALL CONFORM TO THE CITY OF AUSTIN, PUBLIC WORKS AND TRANSPORTATION DEPARTMENT SPECIFICATION, CUTS IN PUBLIC RIGHT-OF-WAY. BACKFILL IN COUNTY OR STATE HIGHWAY RIGHT-OF-WAY SHALL CONFORM TO THE REQUIREMENT OF THE OFFICIAL AUTHORITY FOR THE CONSTRUCTION LOCATION.

USE RED WARNING TAPE OR TRACER TAPES FOR ROADS OR R.O.W. IF APPLICABLE.

	CIVIL TRENCHING	1419-20
	BASE, CONCRETE HOT MIX, AND CONCRETE BACKFILL	Sheet 2 of 2
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CU

CU-ID	CU-REF	CU-DESCRIPTION
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BASEFLEX-1CY	14192010	FLEXIBLE BASE - 1 CUBIC YARD
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ID	PART NUM	PART DESC	QTY	CU-REF
1	0000001407	BASE FLEXIBLE ONE CUBIC YARD BASE FLEX ICY	1 CY	14192010

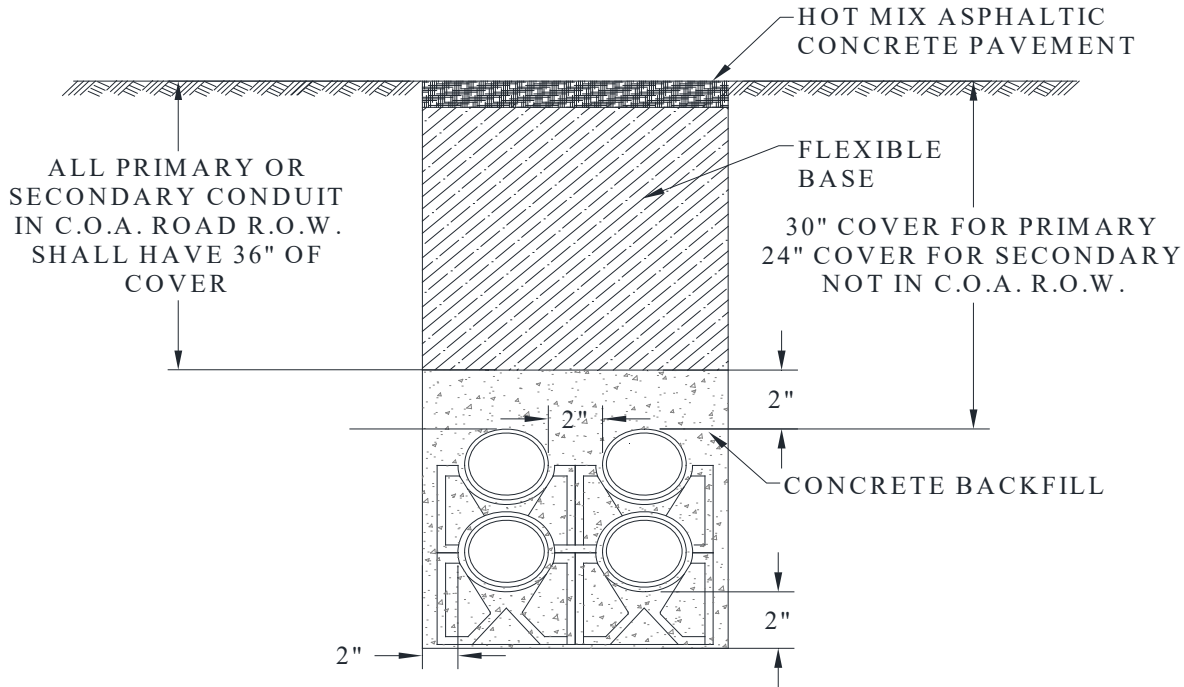
HMASPCONPAV-1CY	14192020	HOT MIX ASPH CONCRETE - 1 CUBIC YARD
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ID	PART NUM	PART DESC	QTY	CU-REF
1	0000001408	HOT MIX ASPHALTIC CONCRETE PAVEMENT ONE CUBIC YARD	1 CY	14192020

CON2000PSI	14192030	CONCRETE BACKFILL 1 CUBIC YARD
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ID	PART NUM	PART DESC	QTY	CU-REF
1	0000012733	CONCRETE GRAVEL MIX 80 LB SACK	1 CY	14192030

1419-25	CIVIL	
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	BASE, CONCRETE HOT MIX, AND CONCRETE BACKFILL	Rev: 08/01/20



- 1419-25-10 BASE FLEXABLE - 1 CU YD
- 1419-25-20 CONCRETE HOT MIX ASPHALT - 1 CU YD
- 1419-25-30 CONCRETE BACKFILL - 1 CU YD

THE FLEXIBLE BASE MATERIAL SHALL CONSIST OF CRUSHED LIMESTONE PARTICLES AND DURABLE COURSE AGGREGATE PARTICLES MIXED WITH APPROVED BINDING MATERIALS AND SHALL CONFORM TO THE CITY OF AUSTIN, STANDARD SPECIFICATION, ITEM NO. 210, FLEXIBLE BASE.


IN ENCASED CONCRETE INSTALLATIONS, THE CONCRETE MIXTURE SHALL DEVELOP A MINIMUM STRENGTH OF 2000 PSI AT 28 DAYS AND SHALL HAVE A MINIMUM OF FOUR SACKS OF CONCRETE PER CUBIC YARD. MAXIMUM SLUMP FOR THE MIXTURE SHALL BE 6-IN., AND THE AGGREGATE IN THE MIXTURE SHALL BE NO LARGER THAN 3/8-IN. (2" MIN. CONCRETE ENCASEMENT)

HOT MIX ASPHALTIC CONCRETE PAVEMENT SHALL BE THE TYPE NECESSARY TO REPLACE OR MATCH PAVEMENT REMOVED DURING THE PURSUANCE OF DUCTLINE CONSTRUCTION AND SHALL CONFORM TO THE CITY OF AUSTIN, STANDARD SPECIFICATION, ITEM NO. 340, HOT MIX ASPHALTIC CONCRETE.

CONDUIT SPACERS SHALL BE REQUIRED FOR ALL STACKED CONDUIT CONFIGURATIONS.

BACKFILL IN PAVED STREETS WITHIN THE CITY LIMITS OF AUSTIN SHALL CONFORM TO THE CITY OF AUSTIN, PUBLIC WORKS AND TRANSPORTATION DEPARTMENT SPECIFICATION, CUTS IN PUBLIC RIGHT-OF-WAY. BACKFILL IN COUNTY OR STATE HIGHWAY RIGHT-OF-WAY SHALL CONFORM TO THE REQUIREMENT OF THE OFFICIAL AUTHORITY FOR THE CONSTRUCTION LOCATION.

USE RED WARNING TAPE OR TRACER TAPES FOR ROADS OR R.O.W. WHEN APPLICABLE.

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	BASE, CONCRETE HOT MIX, AND CONCRETE BACKFILL	

CU

CU-ID **CU-REF** **CU-DESCRIPTION**

BASEFLEX-1CY 14192010 FLEXIBLE BASE - 1 CUBIC YARD

ID	PART NUM	PART DESC	QTY	CU-REF
1	0000001407	BASE FLEXIBLE ONE CUBIC YARD BASE FLEX ICY	1 CY	14192010

HMASPCONPAV-1CY 14192020 HOT MIX ASPH CONCRETE - 1 CUBIC YARD

ID	PART NUM	PART DESC	QTY	CU-REF
1	0000001408	HOT MIX ASPHALTIC CONCRETE PAVEMENT ONE CUBIC YARD	1 CY	14192020

CON2000PSI 14192030 CONCRETE BACKFILL 1 CUBIC YARD

ID	PART NUM	PART DESC	QTY	CU-REF
1	0000012733	CONCRETE GRAVEL MIX 80 LB SACK	1 CY	14192030