

FINAL GRADE

FINAL GRADE

FINAL GRADE

6"
MIN.

6"
MIN.

6"
MIN.

4'-0" B C

4'-0" B C

3'-0" B C

BACKFILL A

BACKFILL A

BACKFILL A

D

D

D

PRIMARY CABLE

PRIMARY CABLE

TELECOMMUNICATION CABLE

TELECOMMUNICATION CABLE

TELECOMMUNICATION CABLE

**DETAIL 1
PRIMARY ONLY**

**DETAIL 2
PRIMARY AND SECONDARY**

**DETAIL 3
SECONDARY OR SERVICE**

MAINTENANCE ONLY

CODED NOTES:

A THE BOTTOM OF THE TRENCH AND THE LOWER 12 IN. OF BACKFILL SHALL BE FREE OF STONE. IF STONES ARE PRESENT IN THE BOTTOM OF THE TRENCH IT SHALL BE DUG 6 IN. DEEPER AND BACKFILLED WITH STONE FREE MATERIAL AND COMPACTED. THE SUPPLY CABLE MAY BE INSTALLED IN CONDUIT IN LIEU OF THESE REQUIREMENTS. REFER TO TDMIS-1000 FOR CONDUIT SIZING GUIDE.

B SUPPLY CABLE MAY BE INSTALLED AT LESS THAN THE MINIMUM DEPTHS LISTED IF SUPPLEMENTAL MECHANICAL PROTECTION IS USED. THE SUPPLEMENTAL MECHANICAL PROTECTION SHALL BE SUFFICIENT TO PROTECT CABLE FROM DAMAGE IMPOSED BY EXPECTED SURFACE USAGE. WHERE CABLE IS INSTALLED IN CONDUIT, ADDITIONAL SUPPLEMENTAL MECHANICAL PROTECTION IS NOT REQUIRED IF THE CONDUIT IS OF SUFFICIENT STRENGTH TO PROTECT THE CABLE FROM EXPECTED SURFACE USAGE.

C BURIAL DEPTH IS DEFINED AS THE DISTANCE BETWEEN FINAL GRADE AND THE TOP OF THE BURIED CABLE OR CONDUIT. DIRECT BURIED PRIMARY SUPPLY CONDUIT SHALL BE INSTALLED AT A BURIAL DEPTH OF NOT LESS THAN 3'-0". PRIMARY DIRECT BURIED SUPPLY CABLE SHALL BE INSTALLED AT A BURIAL DEPTH OF NOT LESS THAN 4'-0". DIRECT BURIED SECONDARY SUPPLY CONDUITS SHALL BE INSTALLED AT A BURIAL DEPTH OF NOT LESS THAN 30". DIRECT BURIED SECONDARY SUPPLY CABLES SHALL BE INSTALLED AT A BURIAL DEPTH OF NOT LESS THAN 36". THE INITIAL 3'-0" AND 2'-5" BURIAL DEPTHS ARE TO ALLOW FOR CHANGES IN SURFACE CONDITIONS.

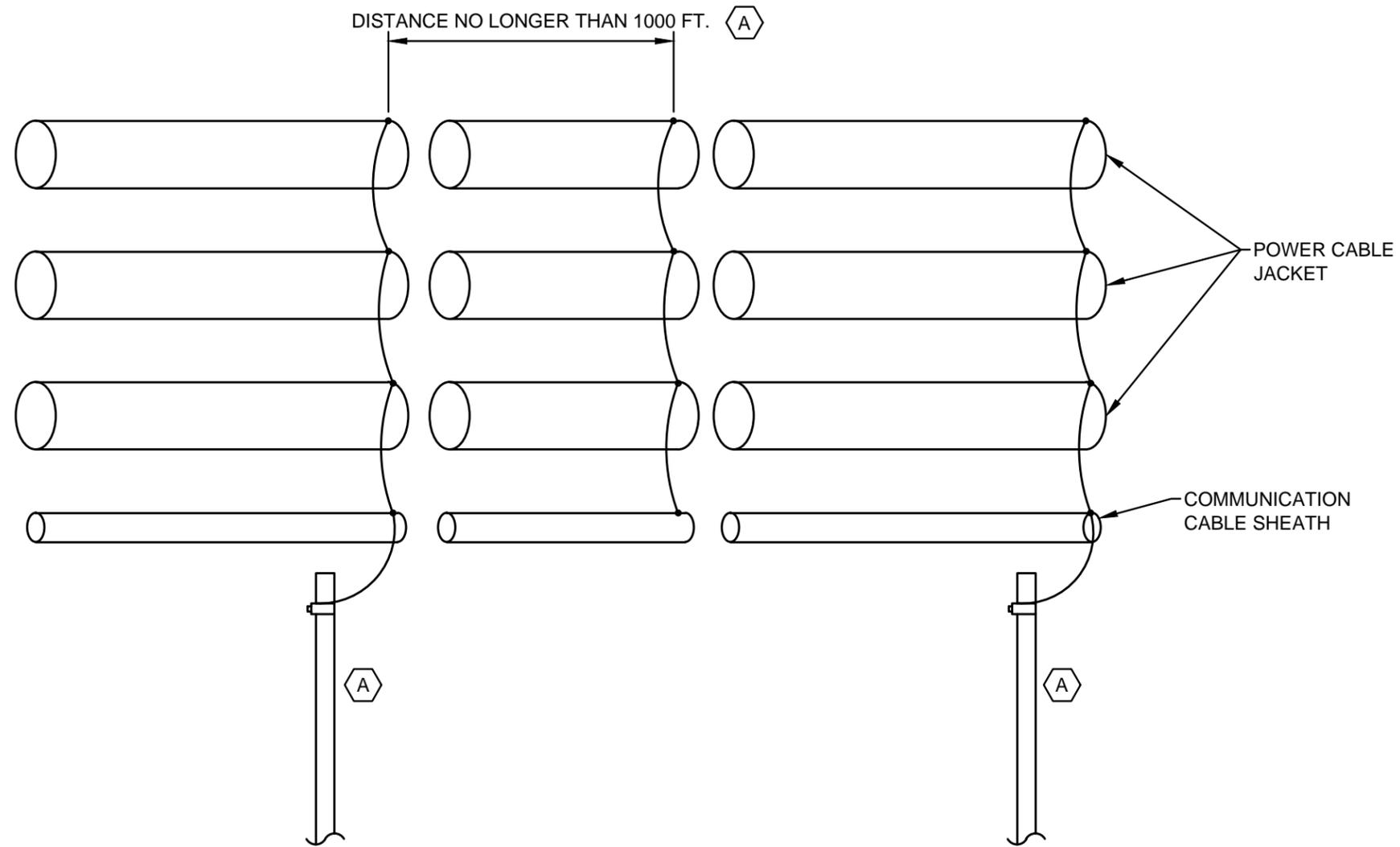
D SUPPLY AND TELECOMMUNICATION CABLES OR CONDUCTORS MAY BE BURIED TOGETHER AT THE SAME DEPTH. MAINTAIN 12" MINIMUM CLEARANCE WHERE POSSIBLE. IF MINIMUM REQUIREMENTS CANNOT BE MET, NO DELIBERATE SEPARATION MAY BE NEEDED, PROVIDED ALL PARTIES INVOLVED ARE IN AGREEMENT. REFER TO NESC RULE 354D1, AND EITHER RULE 354D2 OR 354D3 FOR COMPLIANCE.

CITY OF COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES - DIVISION OF POWER	
CLEARANCE FOR JOINT USE DIRECT BURIED TELECOM & SUPPLY CABLE/CONDUIT	
DRAWN BY: AEC	DATE: 01/01/2018
APPROVED: R. SPRITE	
SCALE: NTS	SHEET: 1 OF 2

TDMIS-1004

CODED NOTES:

A EFFECTIVELY GROUNDED JACKETED SUPPLY CONDUCTOR(S) OR CABLE(S) AND SHEATH(S) OF TELECOMMUNICATION CONDUCTOR(S) OR CABLE(S) SHALL BE BONDED AT INTERVALS NOT TO EXCEED 1000 FT. FOR THE JACKETED SUPPLY CONDUCTOR(S) OR CABLE(S), EIGHT(8) GROUNDS PER MILE ARE REQUIRED PER NESC RULE. FOR REQUIREMENTS OF GROUNDING SYSTEM, REFER TO TDMIS-1607.



DETAIL 4
SECONDARY OR SERVICE

MAINTENANCE ONLY

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CLEARANCE FOR JOINT USE DIRECT BURIED TELECOM & SUPPLY CABLE/CONDUIT		
DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-1004
APPROVED: R. SPRITE		
SCALE: NTS	SHEET: 2 OF 2	