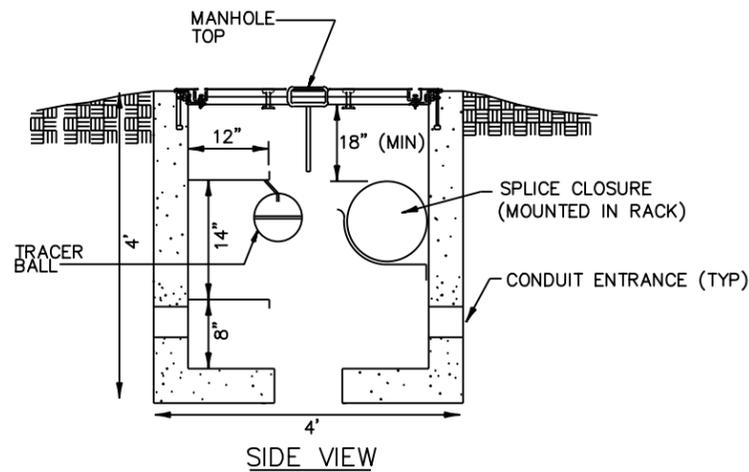
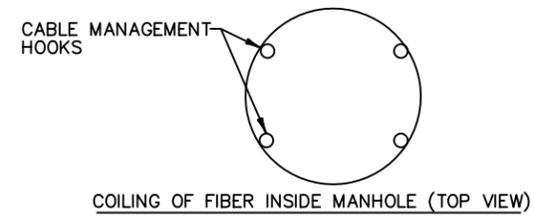


FRONT VIEW



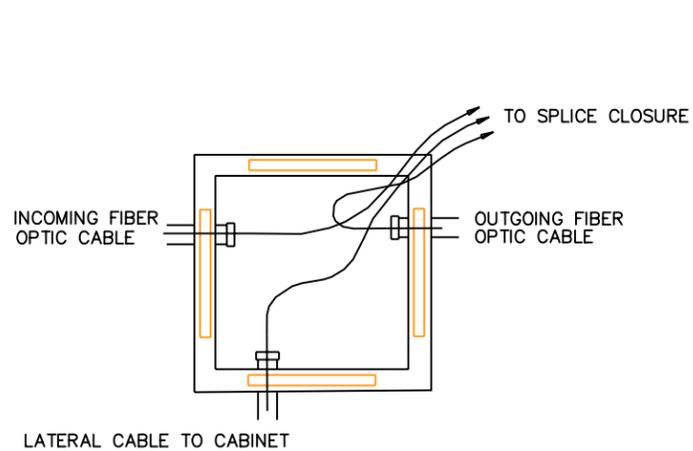
SIDE VIEW



**NOTES:**

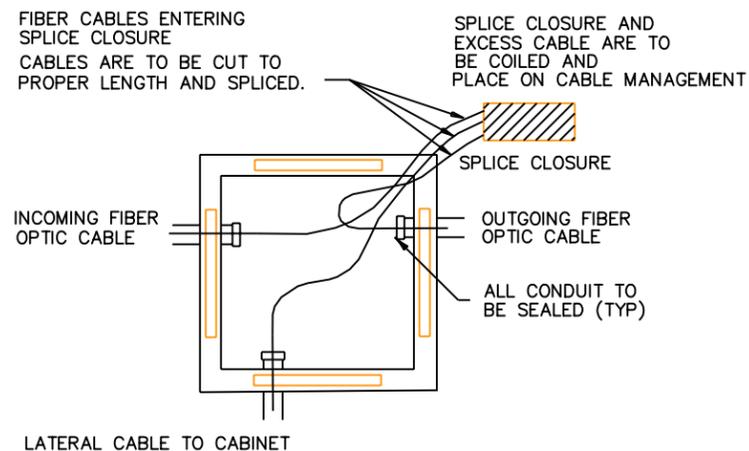
1. CONDUIT ENTERING MANHOLE SHALL NOT DEFLECT BY MORE THAN THE MANUFACTURER'S RECOMMENDATIONS FROM THE ALIGNMENT PRECEDING OR FOLLOWING MANHOLES.
2. SEE PROJECT SPECIFICATIONS FOR THE QUANTITY OF BOTH FIBER OPTIC BACKBONE CABLE AND FIBER OPTIC LATERAL CABLE TO BE COILED IN EACH MANHOLE.
3. ALL FIBER MUST BE LABELED PER PROJECT DETAIL SHEETS.
4. THE CONTRACTOR SHALL PROVIDE SUBMITTALS FOR ALL CABLE MANAGEMENT INCLUDING HOOKS, RACKS, FASTENERS, ANCHORS, AND STRAPS FOR USE INSIDE MANHOLES FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
5. FOR ALL EXISTING MANHOLES, FIBER MANAGEMENT HARDWARE SHALL BE PAID FOR WITH FIBER OPTIC CABLE, NO ADDITIONAL PAYMENT SHALL BE MADE.
6. ACCESS LADDER SHALL BE REMOVABLE AND ENGINEERED TO SUPPORT 300 POUNDS. BOLTS FOR LADDER SUPPORT SHALL BE EITHER EPOXIED INTO CONCRETE OR BY USE OF EXPANSION ANCHORS.

ITS MANHOLE – INTERIOR CABLE MANAGEMENT HARDWARE DETAIL (SIDE VIEW)



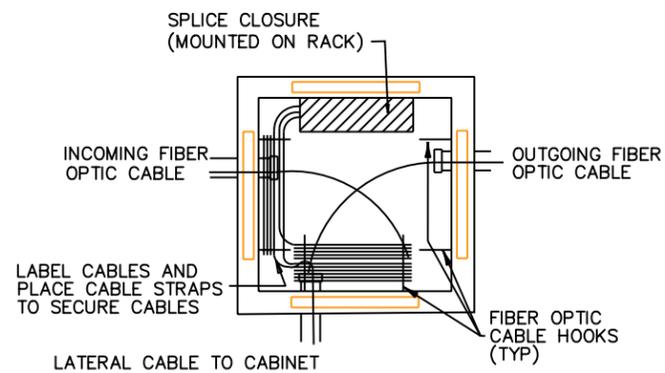
STEP 1

BRINGING FIBER CABLE INTO MANHOLE



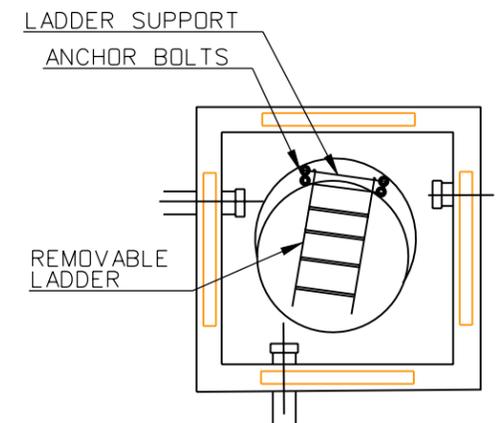
STEP 2

SPLICE PROCEDURE



STEP 3

CLOSURE AND CABLE MANAGEMENT



ACCESS LADDER

Top View (Typical)

ITS MANHOLE – CABLE MANAGEMENT DETAIL (TOP VIEW)

Print Date: 6/22/2010
File Name: ITS_Manhole.dgn
Horiz. Scale: 1:100      Vert. Scale: As Noted
Unit Information      Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



425 C Corporate Circle  
Golden, CO 80401  
Phone: 303-512-5801 FAX: 303-512-5878

HQ ITS Branch      AI

As Constructed
No Revisions:
Revised:
Void:

MANHOLE (Traffic Management Systems)			
Designer:	Wjkjr	Structure Numbers	X-XX-XX
Detailer:	JKS	Structure Numbers	X-XX-XX
Sheet Subset:	ITS	Subset Sheets:	XXX of XXX

Project No./Code	
Project Number	
Code	
Sheet Number	XXX