**FACE INSPECTED ANCHORAGE WITH FILLER OUTLET**

**FILLER OUTLET CONNECTION TO DUCT**

**POCKET PREPARATION**

**FILLER OUTLET DETAIL AT HORIZONTAL SURFACES**

**PROCEDURE:**
1. After filler injection is completed, remove pocket forming material and rigid filler pipe.
2. Inspect tendon for voids as necessary.
3. Vacuum inject as required. If grout is used, allow grout to cure. If flexible filler is used, replace filler displaced by inspection. Remove pipe used for vacuum injecting.
4. Clean threads and rethread as required.
5. Install threaded plug to form a tight fit.
6. Clean and roughen sides of pocket.
7. Fill pocket with epoxy grout.

**NOTES:**
1. Holes used for the inspection and filler inlets/outlets may be formed using tapered pipes or mandrels.
2. Where a vacuum system is connected to an anchor, connect both the anchor outlet and the cap outlet to the vacuum system.
### Filler Inlet and Outlet Details for Bar Tendons

*Vertically Oriented Tendon Shown; Horizontally Oriented Tendon Similar*

#### Inlet End
*(Embedded Anchorage Shown; Anchorage at Concrete Surface Similar)*

- Anchor or Nut to allow for flow of Filler into Cap.
- Where a vacuum system is connected to an anchorage, connect both the anchorage outlet and the cap outlet to the vacuum system.

#### Outlet End
*(Embedded Anchorage Shown; Anchorage at Concrete Surface)*

1. **Filler Outlet Connection to Tendon**
   - **Procedure:**
     1. Remove Rigid Filler Pipe or drill Grout in flexible pipe.
     2. Inspect tendon for voids.
     3. Vacuum inject as required. If grout is used, allow grout to cure. If flexible filler is used, replace filler displaced by inspection. Remove pipe used for vacuum injecting.
     4. Install Threaded Plug into Outlet to form a tight fit.
     5. Over-ream hole (1/4" Ø over-ream). Clean and roughen sides.
     6. Fill pocket with epoxy grout.

2. **Pocket Preparation**
   - **Procedure:**
     1. Remove Rigid Filler Pipe or drill Grout in flexible pipe.
     2. Inspect tendon for voids.
     3. Vacuum inject as required. If grout is used, allow grout to cure. If flexible filler is used, replace filler displaced by inspection. Remove pipe used for vacuum injecting.
     4. Install Threaded Plug into Outlet to form a tight fit.
     5. Over-ream hole (1/4" Ø over-ream). Clean and roughen sides.
     6. Fill pocket with epoxy grout.

### Filler Inlet and Outlet Details for Bar Tendons

*Vertically Oriented Tendon Shown; Horizontally Oriented Tendon Similar*

#### Filler Inlet and Outlet Details for I-Girders

#### Filling Pocket

- **Procedure:**
  1. Remove Rigid Filler Pipe or drill Grout in flexible pipe.
  2. Inspect tendon for voids.
  3. Vacuum inject as required. If grout is used, allow grout to cure. If flexible filler is used, replace filler displaced by inspection. Remove pipe used for vacuum injecting.
  4. Install Threaded Plug into Outlet to form a tight fit.
  5. Over-ream hole (1/4" Ø over-ream). Clean and roughen sides.
  6. Fill pocket with epoxy grout.

### Filler Inlet and Outlet Details for Low Points

#### Filler Outlet Detail at Vertical Surfaces

- **Procedure:**
  1. Remove Rigid Filler Pipe or drill Grout in flexible pipe.
  2. Inspect tendon for voids.
  3. Vacuum inject as required. If grout is used, allow grout to cure. If flexible filler is used, replace filler displaced by inspection. Remove pipe used for vacuum injecting.
  4. Install Threaded Plug into Outlet to form a tight fit.
  5. Over-ream hole (1/4" Ø over-ream). Clean and roughen sides.
  6. Fill pocket with epoxy grout.

**Details for C.I.P. Boxes with Internal Tendons Similar. Web reinforcing not shown for clarity.**