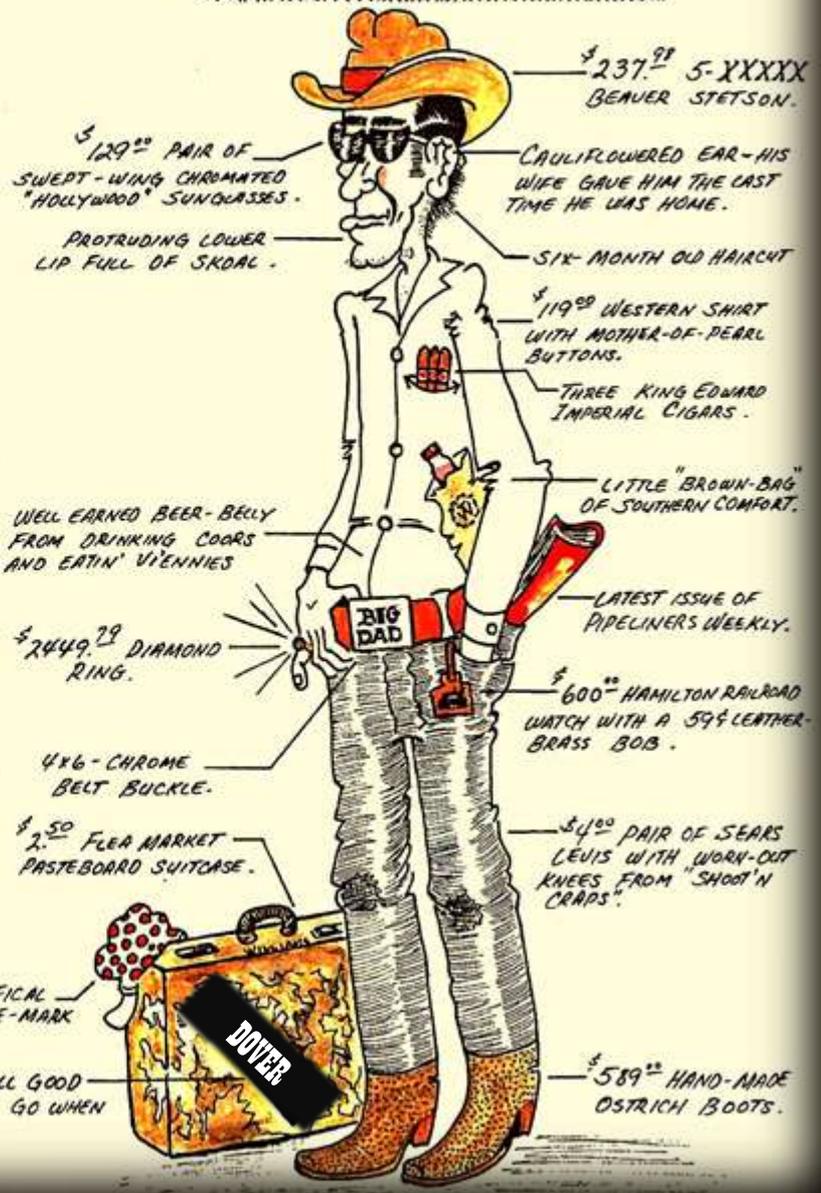
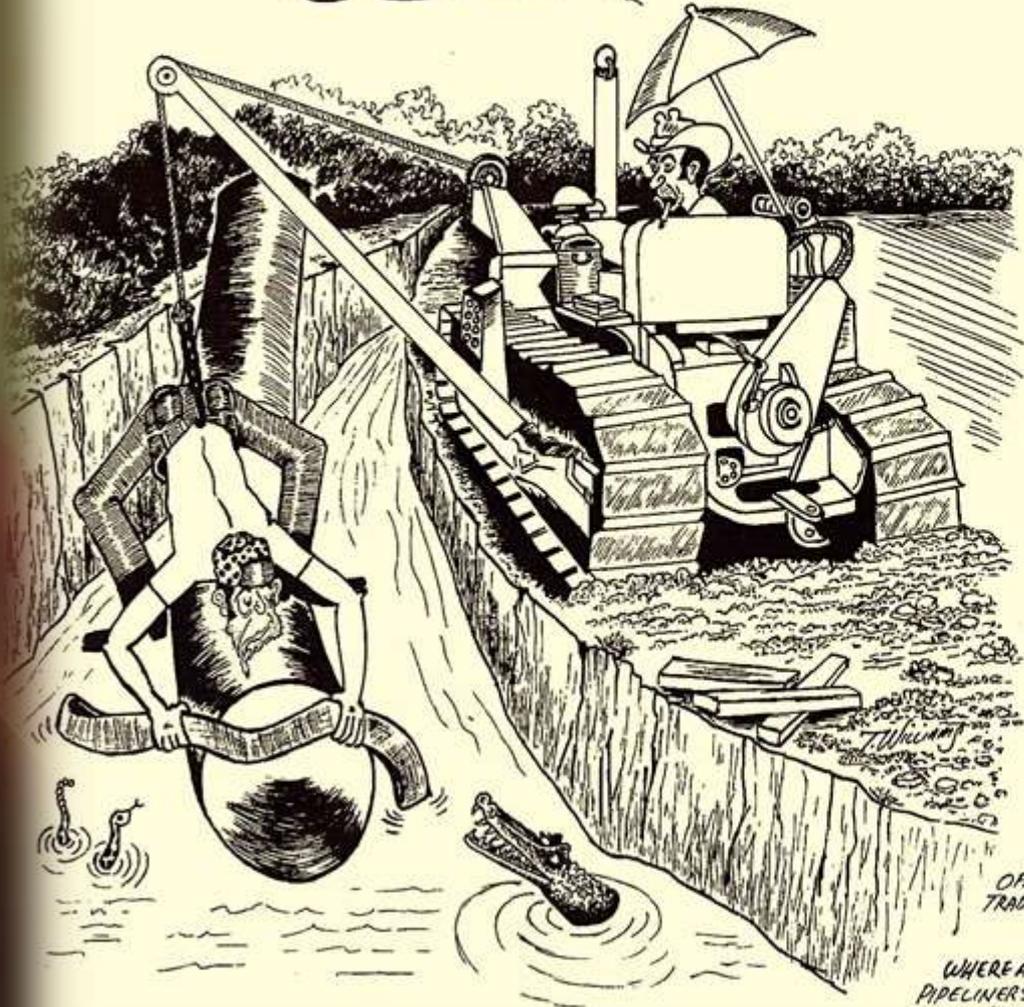


The TYPICAL PIPELINER

"Cum' on 'Pearlie May."
Nooose it! - We aint got
all day -



\$237.⁹⁹ 5-XXXXX
BEAVER STETSON.

\$129.⁰⁰ PAIR OF
SWEPT-WING CHROMATED
"HOLLYWOOD" SUNGLASSES.

CAULIFLOWERED EAR - HIS
WIFE GAVE HIM THE LAST
TIME HE WAS HOME.

PROTRUDING LOWER
LIP FULL OF SKOAL.

SIX-MONTH OLD HAIRCUT

\$119.⁰⁰ WESTERN SHIRT
WITH MOTHER-OF-PEARL
BUTTONS.

THREE KING EDWARD
IMPERIAL CIGARS.

WELL EARNED BEER-BELLY
FROM DRINKING COORS
AND EATIN' VIENNIES

LITTLE "BROWN-BAG"
OF SOUTHERN COMFORT.

\$2449.²⁹ DIAMOND
RING.

LATEST ISSUE OF
PIPELINERS WEEKLY.

\$600.⁰⁰ HAMILTON RAILROAD
WATCH WITH A 59¢ LEATHER-
BRASS BOB.

4x6-CHROME
BELT BUCKLE.

\$4.⁰⁰ PAIR OF SEARS
LEVIS WITH WORN-OUT
KNEES FROM "SHOOT'N
CRAPS".

\$2.⁵⁰ FLEA MARKET
PASTEBOARD SUITCASE.

OFFICAL
TRADE-MARK

WHERE ALL GOOD
PIPELINERS GO WHEN
THEY DIE.

\$589.⁰⁰ HAND-MADE
OSTRICH BOOTS.





Delaware 2018 Seminar

O&M & EMERGENCY PLANS

Specificity and details
for
written procedures

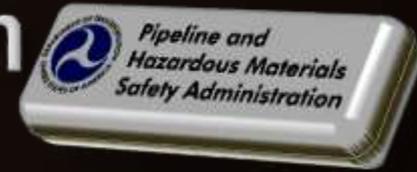


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Dover, Delaware



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O&M & EMERGENCY PLANS

Specificity and details
for
written procedures



What's Wrong With This Picture













A Wide Shot for Perspective (note the severely sloped driveway)





PNC
1-33-87
0000





specificity

Would you order
Strawberry?
Cherry?
Raspberry?
Cinnamon?
Red Velvet Cake?

Or . . .

Would you
Just order RED?



 Mosquito?



details

Or . . .
Spider?

Flea?



Hyppopotamus?



O&M Plans

- ▣ Details
 - Who
 - What
 - When
 - Where
 - Why
 - How
 - Other information to provide clarity



O&M Manuals

- the plans should be an outline for compliance.
 - They should either say what you do
or,
 - You should do what they say

Either way you will be in compliance with your own procedures



O&M Manuals

Example:

There are two types of full encirclement sleeves.

- **Type A** is nonpressure-containing
- **Type B** is pressure-containing

Note: Dresser-style reinforcement sleeves, weldovers, pumpkins, and possum bellies are also pressure-containing sleeves used in special-case repairs. Consult with the appropriate supervisor for their application



O&M Manuals

- ▣ Only the right combination of specificity and detail will provide what we essentials to achieve these goals and give us the compliance we want and need.



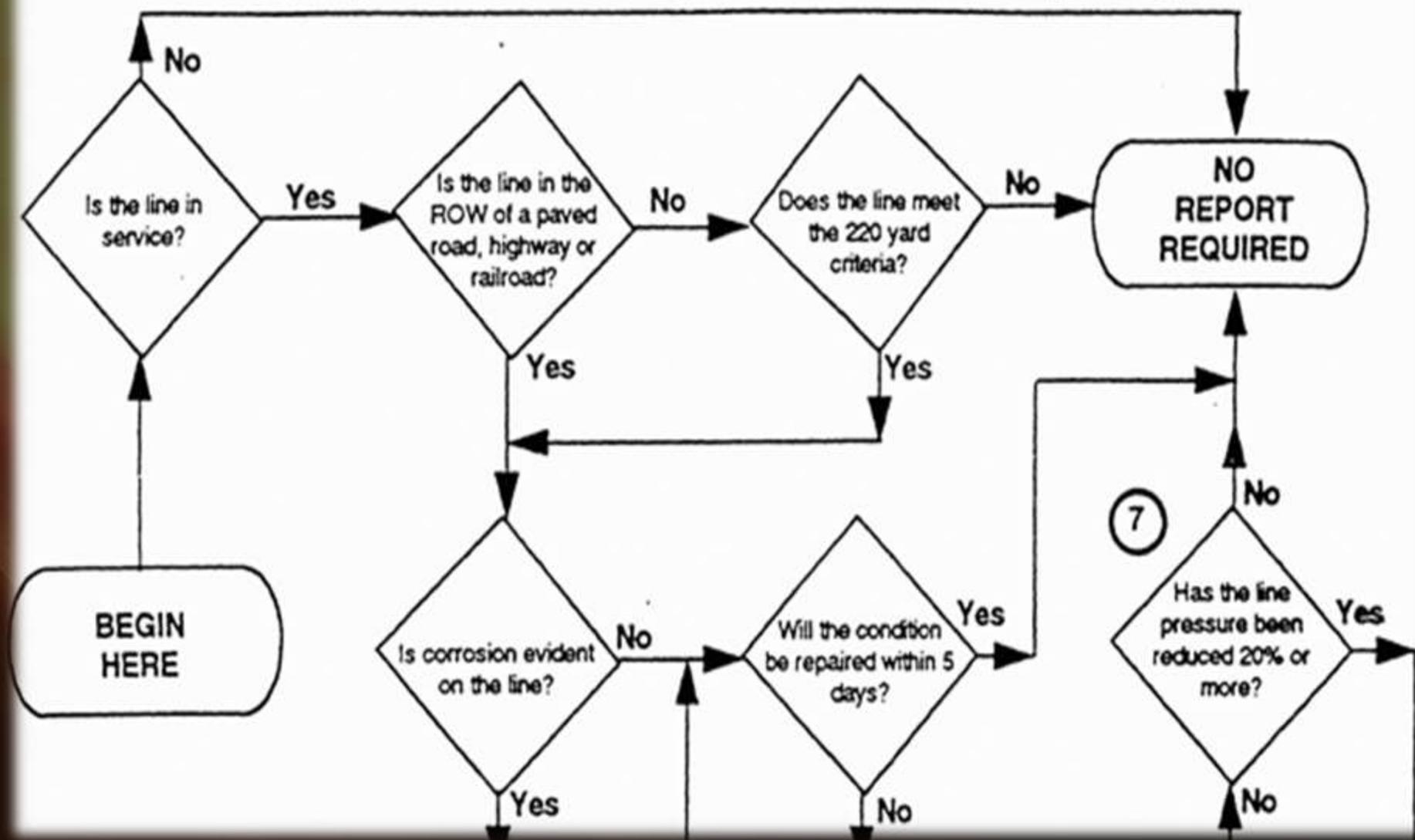
Specificity & Detail

- ▣ Other things that add specificity, detail and clarity
 - Flowcharts, Drawings and photos
 - Tables
 - Definitions
 - References to DOT codes



Specificity & Detail - Flowcharts

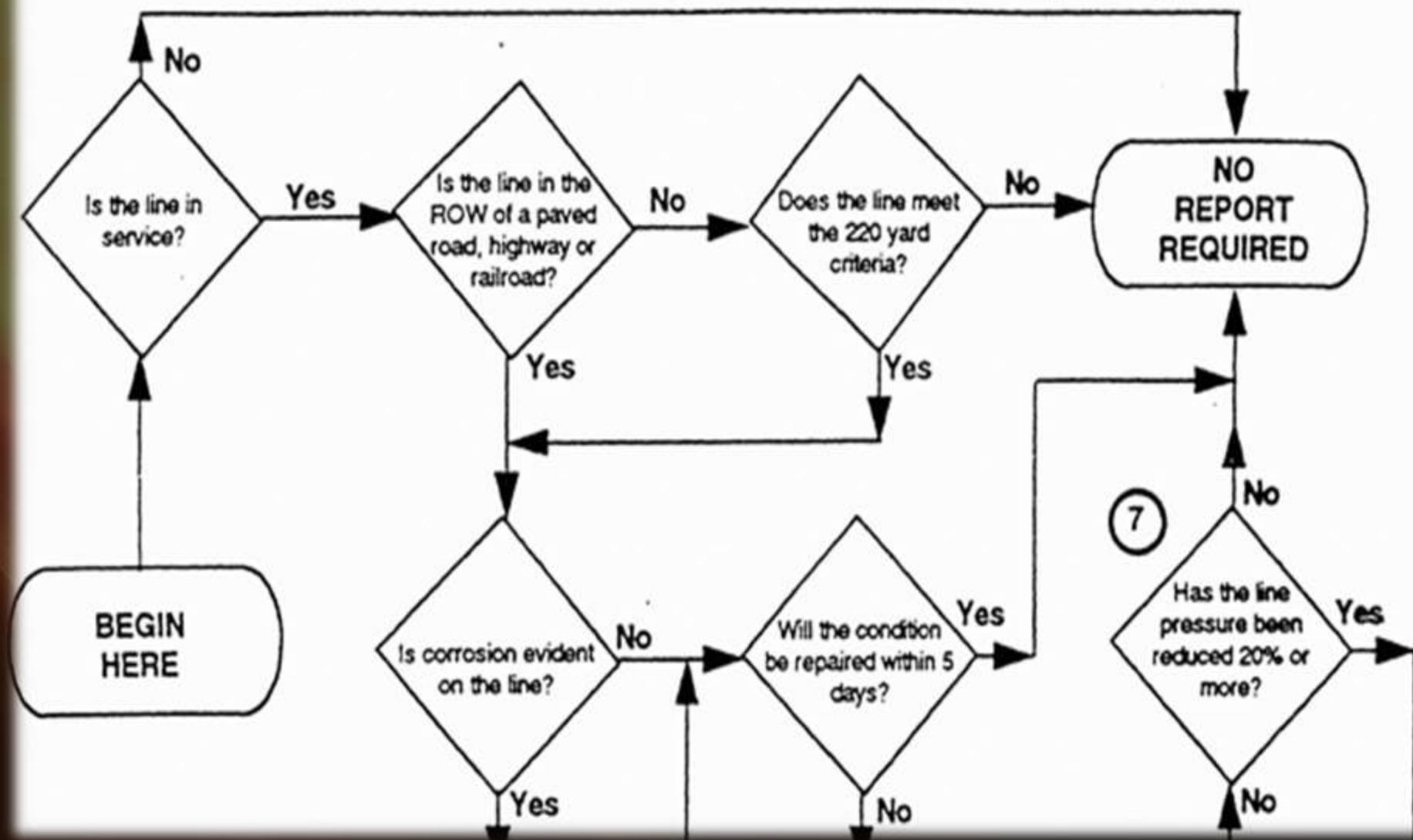
Safety Related Condition Evaluation for Reporting





Specificity & Detail - Flowcharts

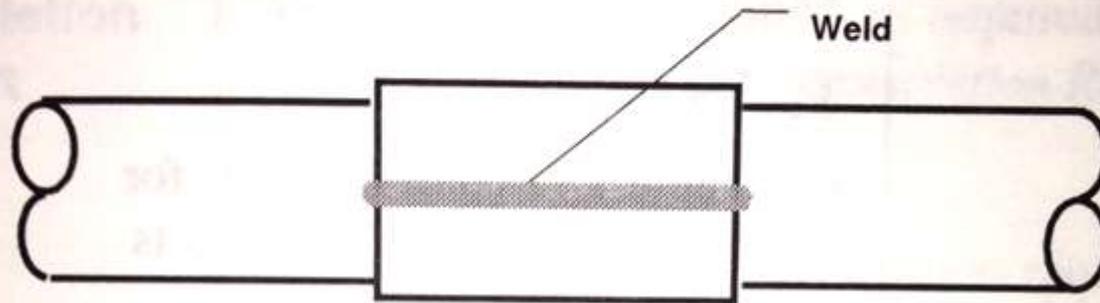
Safety Related Condition Evaluation for Reporting



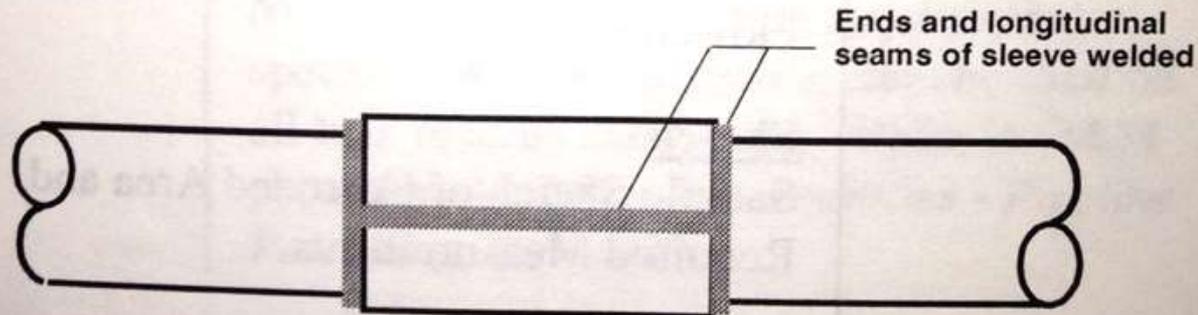


Specificity & Detail -Drawings

Type A Sleeve

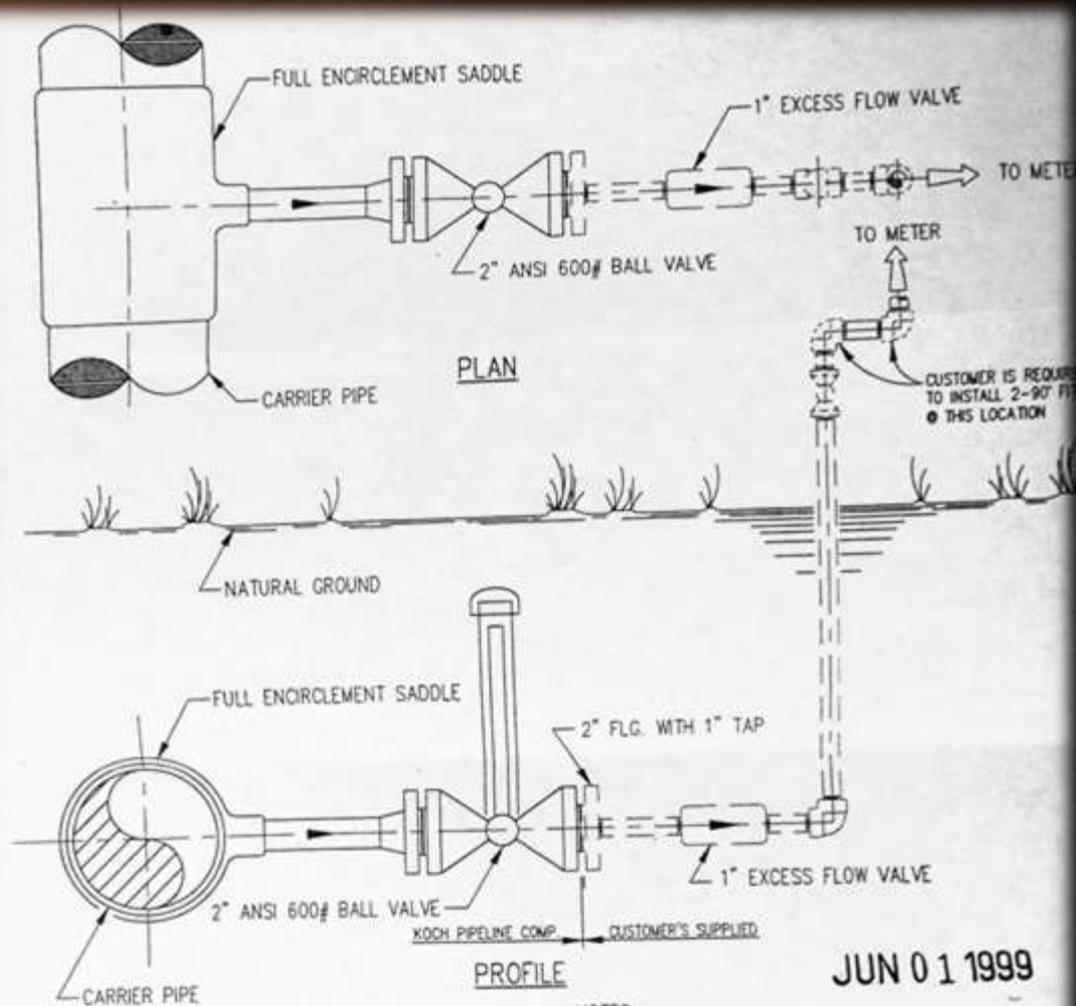


Type B Sleeve





Specificity & Detail -Drawings



TYPICAL 2" FARM TAP

NOTES:

1. CUSTOMER TO PROVIDE BARRICADE OR FENCE TO PROVIDE ADEQUATE PROTECTION FROM 3RD PARTY DAMAGE.
2. CUSTOMER TO PROVIDE METER TO KGPC SPECIFICATIONS FOR CUSTODY TRANSFER.
3. ANY CHANGES TO MAXIMUM FLOW (I.E. ADDING CUMULATIVE) MUST BE REFERRED TO KGPC OPERATIONS IN OREGON.



Specificity & Detail -Tables

Table 1 - Repair Methods for Manufacturing Type Defects

| Manufacturing Defect Type | | | Sleeve Type | | Use Filler Material w/Sleeve | Rep by Re |
|-----------------------------|-------------------|------------------------|-------------|-----|------------------------------|-----------|
| | | | "A" | "B" | | |
| In Seam Weld -- Not Leaking | DSAW | Undercut | Yes | Yes | No | Y |
| | | Incomplete Fusion | Yes | Yes | No | Y |
| | | Incomplete Penetration | Yes | Yes | No | Y |
| | | Crack | Yes | Yes | No | Y |
| | ERW or Flash Weld | Upturned Fiber | No | Yes | No | |
| | | Incomplete Fusion | No | Yes | No | |
| | | Penetrator | No | Yes | No | |
| | | Cold Weld | No | Yes | No | |
| | | Crack | No | Yes | No | |
| | | | Seam or Lap | Yes | Yes | No |



Specificity & Detail -Definitions

Definitions

Assembly area -- an area where the pipeline lies *within 300 feet* of either a building or a small, well-defined outside area (such as a playground, recreation area, outdoor theater, or other place of public assembly) that is occupied by *20 or more* people for *at least 5 days* a week for *10 weeks* in any 12-month period. *Note:* The days of the week need not be consecutive.

Barrier -- something that may limit expansion of development.

Dwelling -- an occupied residence (house, apartment, or residential house trailer).
Note: Each residence in an apartment counts as an individual dwelling.



Specificity & Detail

- ▣ Other things that add specificity, detail and clarity
 - References to other Company Manuals or Plans that contain more details and specificity
 - ▣ Corrosion
 - ▣ Safety
 - ▣ Measurement
 - ▣ Design



Passive vs. Active

- ▣ Example:

“The incident needs to be reported to the pipeline controller.”

Rewritten.

The first employee having knowledge of the emergency and/or arriving on the emergency scene will report incident information within 15 min. of notification and/or arriving at the site, to the pipeline control center by telephone or company radio.



Passive vs. Active

General Emergency Respon- sibilities

General emergency responsibilities involve:

- First Employee Having Knowledge of Emergency and/or Arriving on Emergency Scene
- Appropriate Supervisors
- Area Manager or His/Her designee
- Pipeline Control Center
- Houston Operations Department
- Reporting and Documenting

First Employee Having Knowledge of Emergency and/or Arriving on Emergency Scene

Initial Action - When an employee is notified of a gas pipeline leak, break, or emergency situation that requires prompt and effective response, the employee should obtain the following information:

- Name of person finding or reporting the leak or emergency situation.
- Telephone number and location where this person can be contacted.
- Severity of leak, break, or emergency.

...to a known reference



Tips to Recognize the Passive Voice

KEY WORDS

- Be
- Is
- Are
- A
- Was
- Were
- Has been
- Have been
- Will be
- Being



Passive vs. Active

▣ Example:

Extensive training on the new safety procedures is required to be attended by the maintenance staff.

Rewritten.

The entire maintenance staff is required to attend extensive training on the new safety procedures from 8 -11 a.m. next Monday in the Welding Shop.



Passive vs. Active

Correct the following five sentences to practice changing passive to active voice.

1. Hunger was what Bill felt.
2. Reading is enjoyed by Mary.
3. The town was destroyed by fire.
4. Funny is what clowns are.
5. Cheese was liked by Sara.



Passive vs. Active

Hunger was what Bill felt.

Bill felt hungry. (*Bill* is the subject, *felt* is the action)



Passive vs. Active

Reading is enjoyed by Mary.

Mary enjoys reading (*Mary* is the subject, *enjoys* is the action)

Reading is enjoyed by Mary.



Passive vs. Active

The town was destroyed by fire.

Fire destroyed the town (*Fire* is the subject,
destroyed is the action)



Passive vs. Active

Funny is what clowns are.

Clowns are funny (*Clowns* is the subject, *funny* is the action)

Clowns are enjoyed by Mary.



Passive vs. Active

Cheese was liked by Sara.

Sara likes cheese (*Sara* is the subject, *likes* is the action)



Specificity & Detail

- ▣ Problems can occur with operators who fall back on specifics in their OQ Plan to avoid the specifics in their O&M.



Specificity & Detail

- ▣ Although OQ Plans have specifics, they are not usually available onsite for verification by inspection personnel during O&M activity inspections or emergencies;
 - hence the need for a certain level of specificity and detail in the O&M and Emergency plan procedures



O&M Plans

- ▣ Remember in the end,
 - The plans should either say what you do or,
 - You should do what they say

Either way you will be in compliance with your own procedures