

RECORD DRAWING

9'-0" MIN.

Diagram illustrating the Tee distance. A horizontal line represents the pipe, with a vertical line representing the Tee. The distance from the Tee to the end of the pipe is labeled "TEE".

SECTION

EXISTING GROUND

TO BE USED IN LOCATIONS WHERE THE EXISTING GROUND SLOPES AWAY FROM THE TOE OF SLOPE

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The diagrams illustrate two types of check dams used for soil conservation:

- PLAN Straw Check Dam:** This diagram shows a cross-section of a dam made of straw bales. The bales are arranged in a row, with a gap between them. The distance between the bales is labeled "2' x 2' x 3' STAKES TWO EACH BALE". The height of the dam is labeled "6'±". The flow of water is indicated by an arrow labeled "FLOW". The top of the dam is labeled "TOE OF SLOPE". The number of bales and the spacing are noted as "NO. OF BALES AND SPACING VARIABLE".
- PLAN Hay Check Dam:** This diagram shows a cross-section of a dam made of hay bales. The bales are arranged in a row, with a gap between them. The distance between the bales is labeled "2' x 2' x 3' STAKES TWO EACH BALE". The height of the dam is labeled "6'±". The flow of water is indicated by an arrow labeled "FLOW". The top of the dam is labeled "TOE OF SLOPE". The number of bales and the spacing are noted as "NO. OF BALES AND SPACING VARIABLE".

Diagram illustrating the cross-section of a trench and its surrounding structure, showing various layers and dimensions:

- PAVEMENT REPLACEMENT (SEE DETAIL)**: The top layer of the trench.
- SURFACE RESTORATION (SEE SPECIFICATIONS)**: The layer above the pavement replacement.
- FINISHED GRADE**: The top surface of the restoration.
- PAYMENT LIMITS BASED ON 4" TRENCH WIDTH (4" MIN.)**: The width of the trench.
- 5'-0" MIN.**: The total depth of the trench.
- 12" MIN.**: The depth of the compacted select backfill layer.
- COMPACTED SELECT BACKFILL**: The layer below the trench.
- COMPACTED CLASS "B" BACKFILL**: The layer below the select backfill.
- WATER MAIN**: The pipe being installed.
- 6" MIN. CLEARANCE TO ROCK**: The clearance between the water main and the rock layer.
- ROCK**: The layer below the water main.
- 2" MAX. CLEARANCE TO UNDISTURBED EARTH**: The clearance between the water main and the undisturbed earth.

HYDRANT
 FINISHED GRADE
 2'-0" MIN.
 4"
 EDGE OF PAVEMENT OR CURB
 COVER LABELED "WATER"
 FLANGE
 ADJUSTABLE SLIDING VALVE BOX
 3'-0" MIN.
 6" GATE VALVE
 6" D.I. WATER MAIN
 5'-0" MIN. (TYP.)
 ANCHORING TEE
 LAYER OF PVC OR FELT
 PROVIDE 1/2 CU. YD. OF CRUSHED STONE TO AT LEAST 6" ABOVE DRAIN HOLES
 CONCRETE BACKING AGAINST UNDISTURBED MATERIAL
 CONCRETE BACKING AGAINST UNDISTURBED MATERIAL
 FLAT STONE OR CONCRETE BLOCK
 USE TWO 6" BENDS OR OFFSET ON LATERAL TO ACHIEVE REQUIRED
 E RODS OR RESTRAINED JOINT SYSTEM MAY BE USED IN LIEU OF

NUMBER OF TIE RODS AND DIAMETER AS SHOWN IN TABLE

TIE BOLTS SHALL HAVE THREADS OF ADEQUATE LENGTH TO ALLOW NUTS BOTH SIDES OF GLAND

2 NUTS PER BOLT

TIE BOLTS (SAME DIAM. AS TIE RODS)

PIPE SIZE	TIE ROD NO.	TIE ROD DIA.
6"	2	1/2"
8"	2	5/8"
10"	2	3/4"
12"	4	3/4"

TABLE OF CONCRETE THRUST RESTRAINT MINIMUM BEARING AREA IN SQUARE FEET AGAINST UNDISTURBED MATERIAL FOR WATER MAIN FITTINGS	30" BENDS, TEES, COPS AND ELBOWS	45° BENDS AND WYES	22- 1/2" BENDS	11- 1/4" BENDS
6", 8"	5	4	2	2
10", 12"	12	9	5	2
16"	25	18	8	4
20"	36	20	13	7

NOTES: 1. ALL WATER MAIN FITTINGS SHALL HAVE CONCRETE BACKING FOR WATER MAIN FITTINGS.

[illegible]