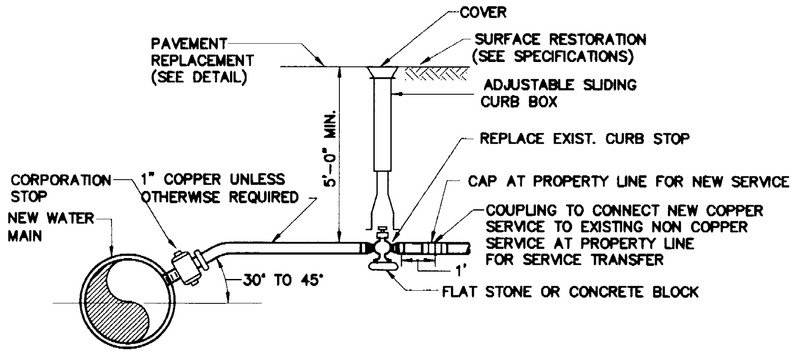
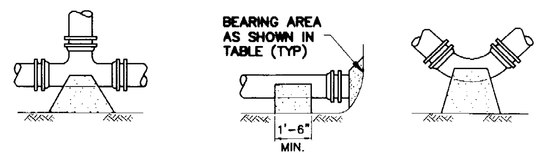


NOTE: PROVIDE SADDLE FOR ALL AC AND PVC MAINS AND ALL 2" OR LARGER STOPS

WATER SERVICE DETAIL
N.T.S.



TEE DETAIL (PLAN VIEW) | CAP DETAIL (PLUG SIMILAR) (SECTION VIEW) | BEND DETAIL (PLAN VIEW)

TABLE OF CONCRETE THRUST RESTRAINT MINIMUM BEARING AREAS IN SQUARE FEET AGAINST UNDISTURBED MATERIAL FOR WATER MAIN FITTINGS

SIZE OF MAIN	90° BENDS, TEES, CAPS AND PLUGS	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"	20	15	8	4
20"	36	24	13	7

NOTES: 1. ALL WATER MAIN FITTINGS SHALL HAVE CONCRETE BACKING FOR THRUST RESTRAINT UNLESS OTHERWISE SPECIFIED.
2. CONTRACTOR SHALL USE CARE TO AVOID PLACEMENT OF CONCRETE ON THE FITTING JOINTS

CONCRETE THRUST RESTRAINT FOR FITTINGS
N.T.S.

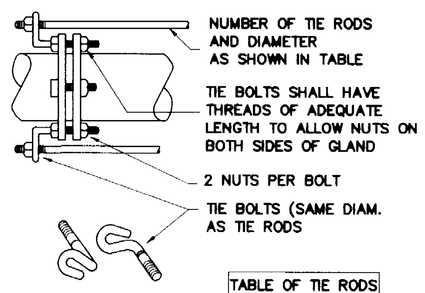
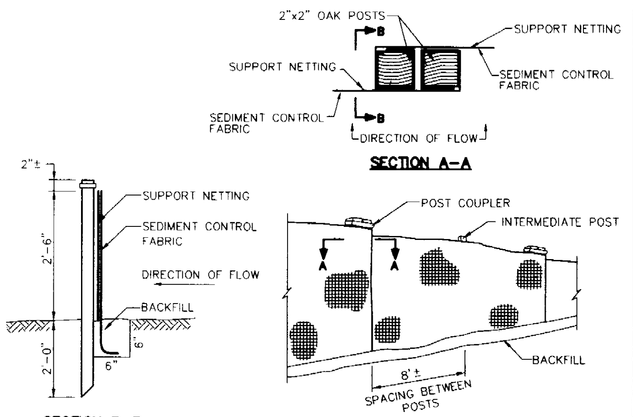
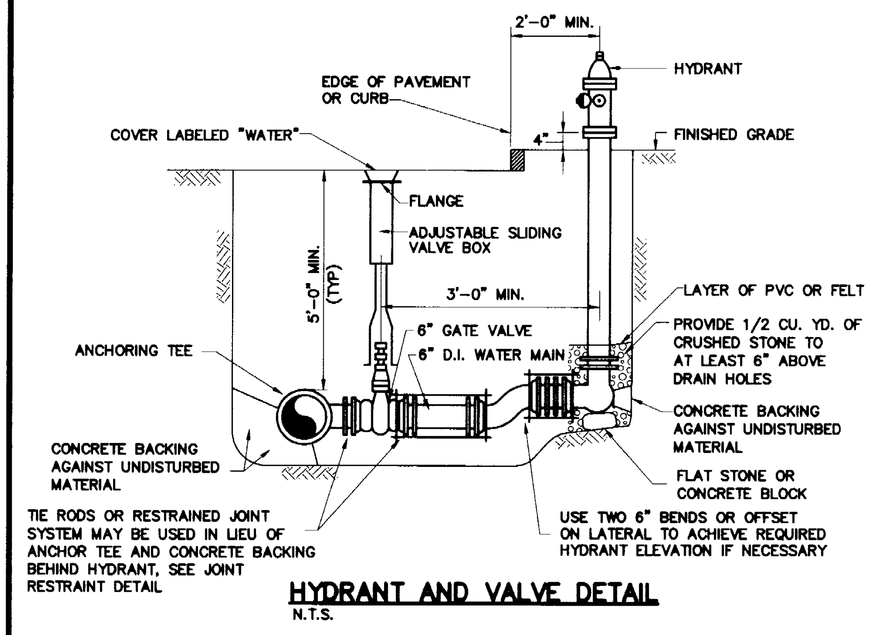


TABLE OF TIE RODS		
PIPE SIZE	TIE ROD NO.	TIE ROD DIA.
6"	2	1/2"
8"	2	5/8"
10"	2	3/4"
12"	4	3/4"

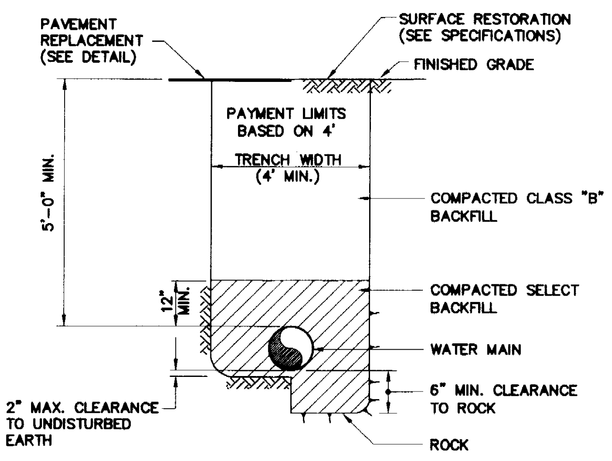
JOINT RESTRAINT DETAIL
N.T.S.



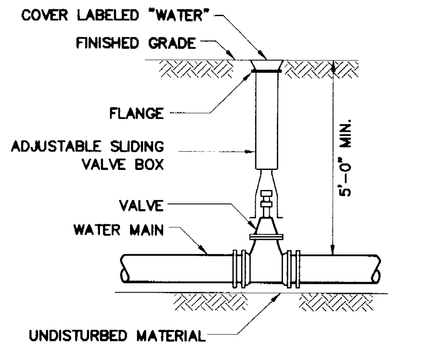
SILT FENCE DETAIL
N.T.S.



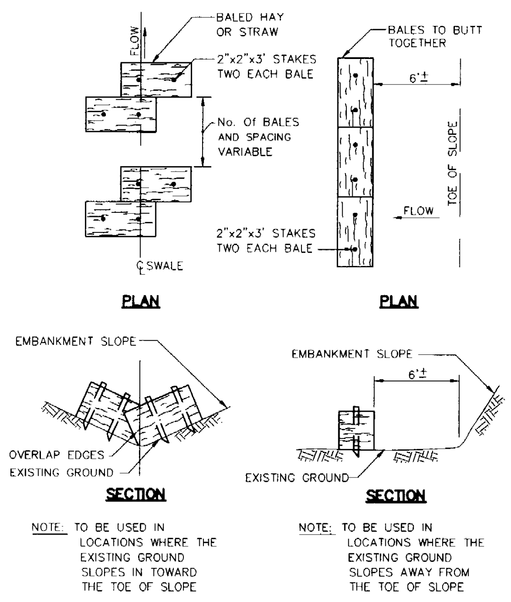
HYDRANT AND VALVE DETAIL
N.T.S.



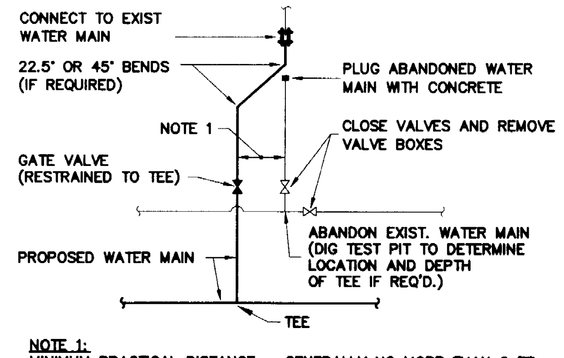
WATER MAIN TRENCH DETAIL
N.T.S.



VALVE AND BOX DETAIL
N.T.S.

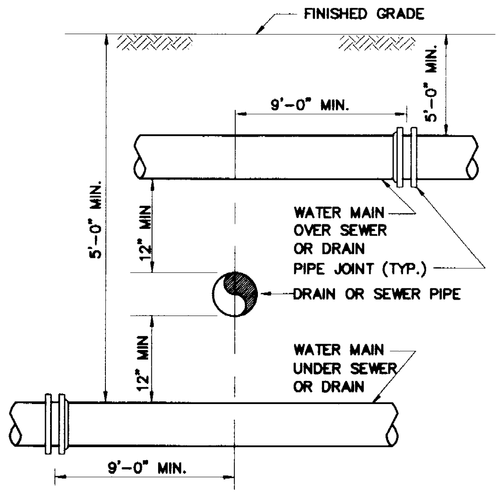


HAY BALES DETAIL
N.T.S.

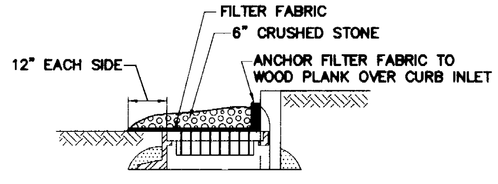


NOTE 1:
MINIMUM PRACTICAL DISTANCE – GENERALLY NO MORE THAN 2 FT.

WATER MAIN LATERAL CONNECTION
N.T.S.



SEWER OR DRAIN CROSSING DETAIL
N.T.S.



CATCH BASIN INLET PROTECTION DETAIL
N.T.S.

RECORD DRAWING

Weston & Sampson ENGINEERS, INC.
Five Centennial Drive, Peabody, MA 01960-7985

No.	Date	Description	By	Ck By	App By
1	11/1/01	RECORD DRAWING	PJC	DRL	PJC

APPROVED
11/20/01
DATE
REGISTERED PROFESSIONAL ENGINEER

COMMONWEALTH OF MASSACHUSETTS PATRICK J. CONNELLY REGISTERED No. 31468 PROFESSIONAL ENGINEER

TOWN OF EAST LONGMEADOW, MASSACHUSETTS
BOARD OF PUBLIC WORKS
SOMERS ROAD HIGH SERVICE WATER MAIN REPLACEMENT

DETAILS

CADD NO.	CONTRACT:	DR BY	DSN BY	CHK BY	APP BY
RC-3		WGS	WGS	DRL	PJC

SCALE:	JOB NO.	FILE NO.
AS NOTED	200096	

C-3

SHEET 5 OF 5