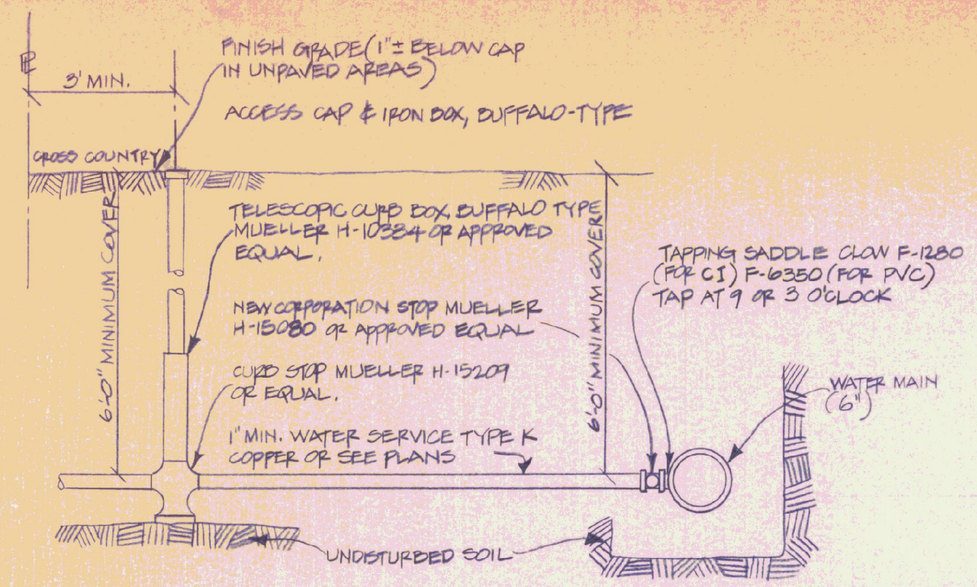
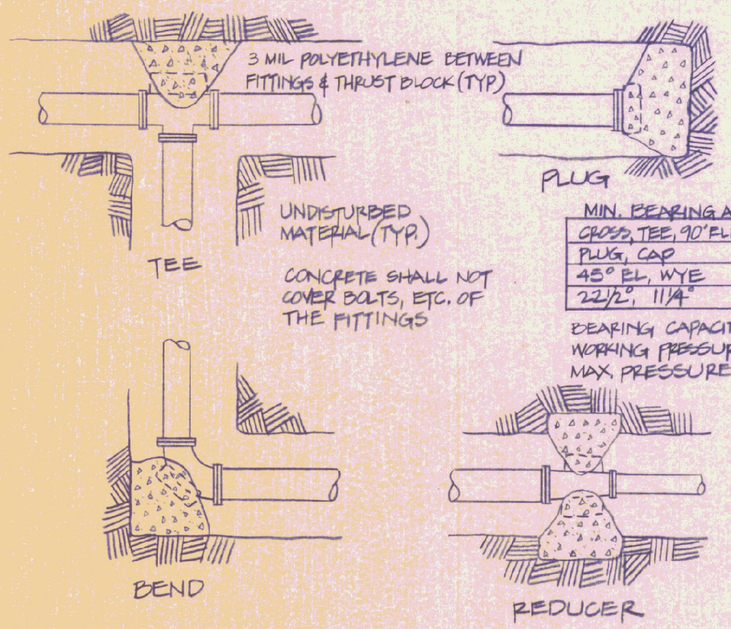


NOTE: TAP MAY BE MADE DIRECTLY TO DUCTILE IRON PIPE. WITH OTHER PIPES USE EITHER A COUPLING CONTAINING A FACTORY-TAPPED BRASS BUSHING OR USE A DOUBLE STRAP SERVICE CLAMP.

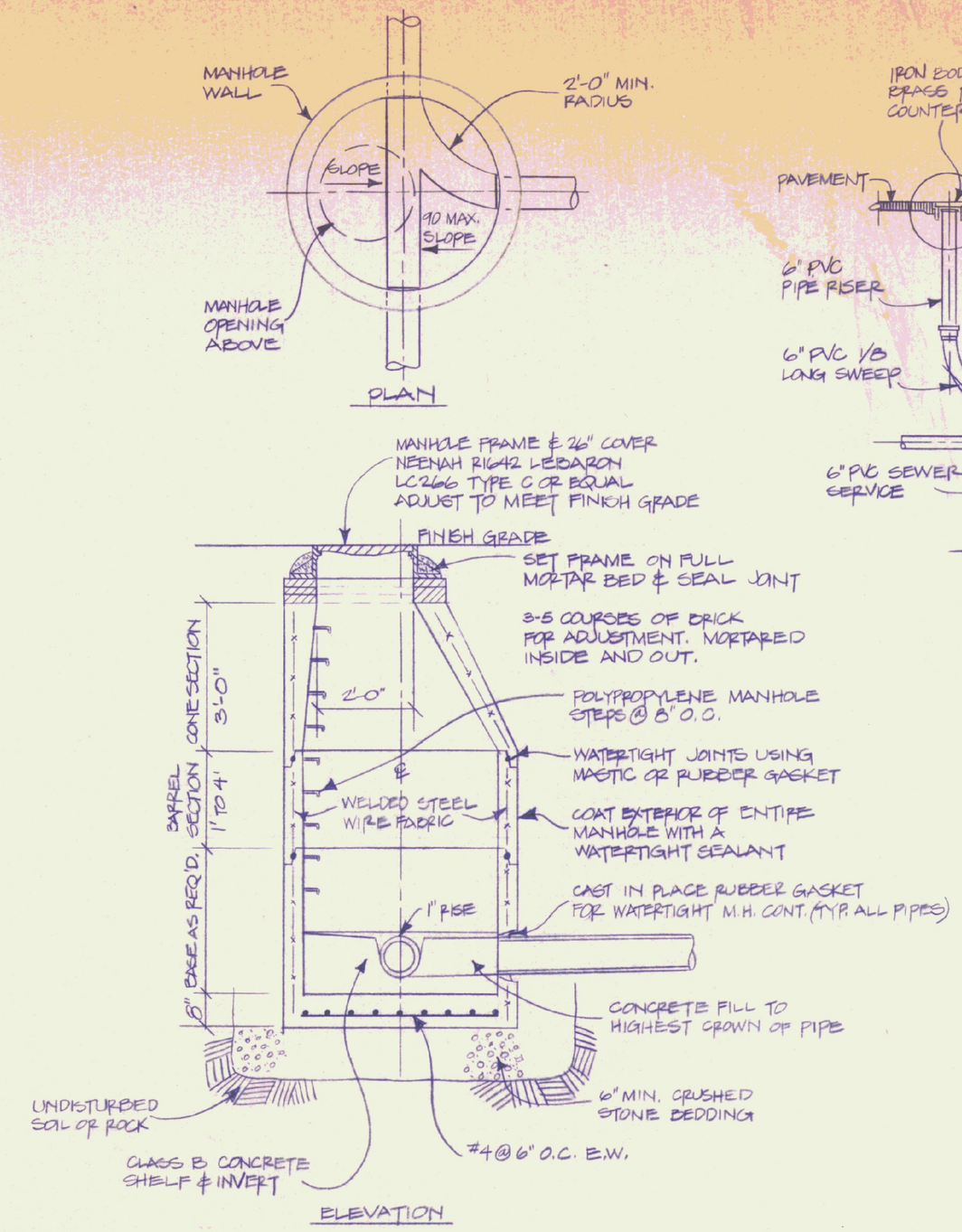
WATER SERVICE DETAIL
NOT TO SCALE



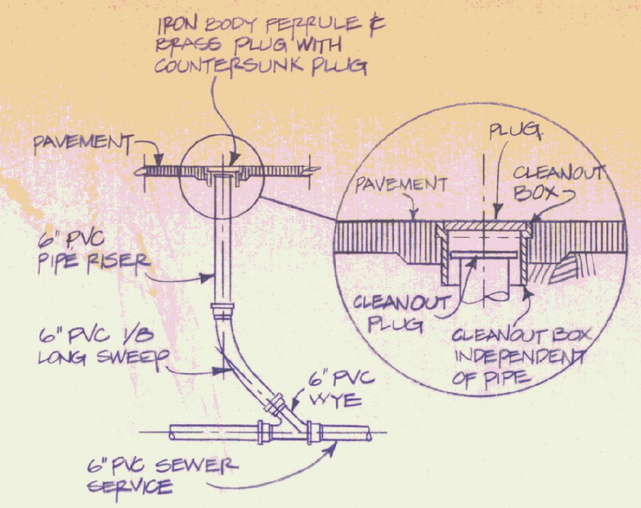
MIN. BEARING AREA - S.F.	
CROSS, TEE, 90° ELBOW	13.0
PLUG, CAP	9.0
45° EL, WYE	7.0
22 1/2°, 11 1/4°	3.5

BEARING CAPACITY - 2000 PSF
WORKING PRESSURE - 100 PSI
MAX. PRESSURE - 300 PSI

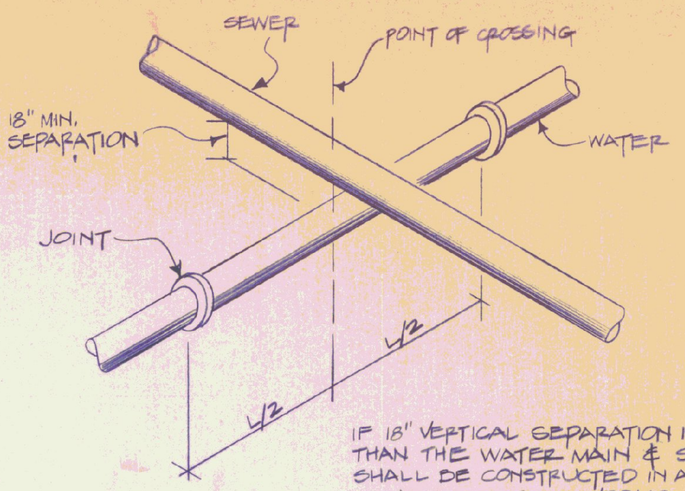
TYPICAL THRUST BLOCK DETAIL
NOT TO SCALE



TYPICAL SANITARY SEWER MANHOLE
NOT TO SCALE

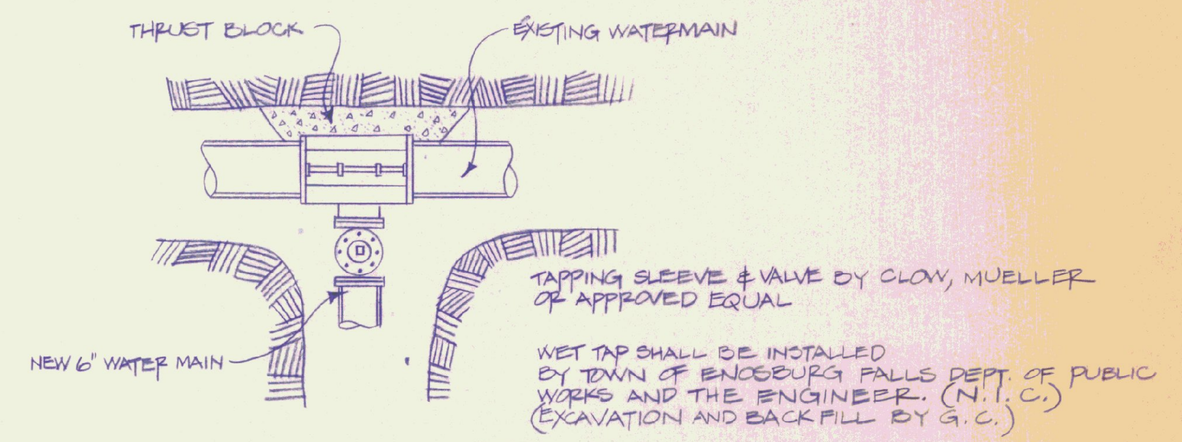


CLEANOUT DETAIL
NOT TO SCALE



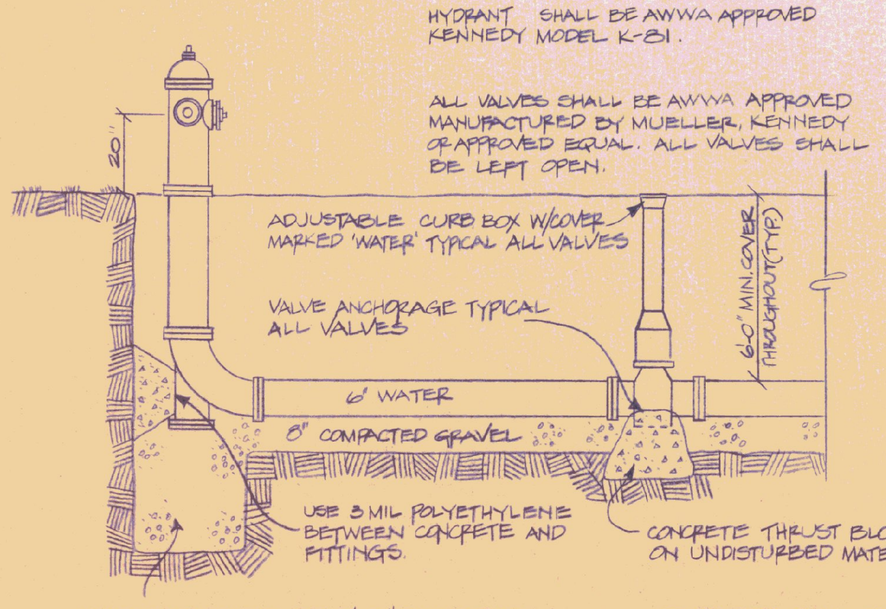
IF 18" VERTICAL SEPARATION IS IMPOSSIBLE THAN THE WATER MAIN & SEWER LINE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STATE OF VERMONT ENVIRONMENTAL PROTECTION RULES.

WATER/SEWER CROSSING DETAIL
NOT TO SCALE



WET TAP SHALL BE INSTALLED BY TOWN OF ENOSBURG FALLS DEPT. OF PUBLIC WORKS AND THE ENGINEER. (N.I.C.) (EXCAVATION AND BACKFILL BY G.C.)

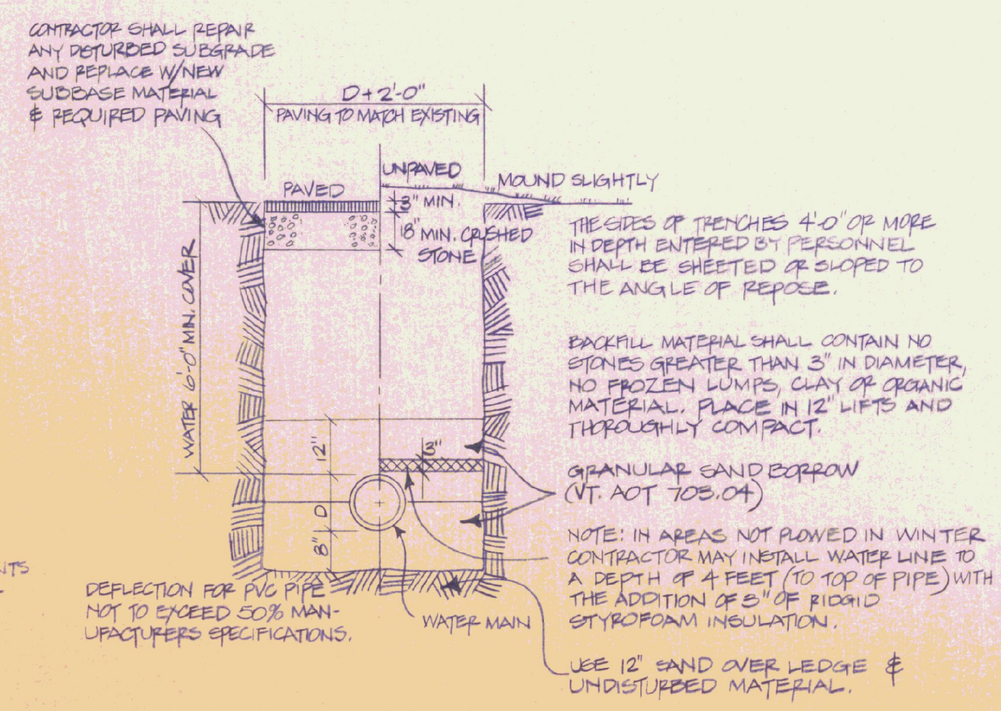
TYPICAL TAPPING SLEEVE & VALVE (By Others)
NOT TO SCALE



HYDRANT DRAINAGE PIT 3'-0" DIAMETER 3'-0" DEEP, HYDRANT SHALL BE PROVIDED W/DRAIN PLUGS IF GROUNDWATER ELEVATION IS WITHIN 6'-0" OF GROUND SURFACE.

CONTRACTOR SHALL PAINT HYDRANTS TO TOWN SPECIFICATIONS AFTER FLOW TESTS BY TOWN.

TYPICAL HYDRANT
NOT TO SCALE



THE SIDES OF TRENCHES 4'-0" OR MORE IN DEPTH ENTERED BY PERSONNEL SHALL BE SHEETED OR SLOPED TO THE ANGLE OF REPOSE.

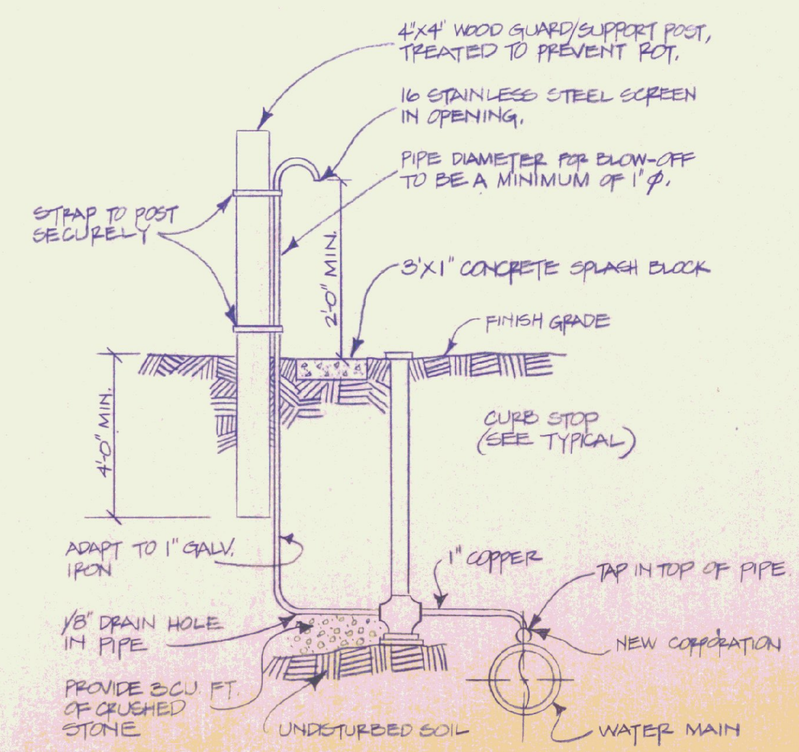
BACKFILL MATERIAL SHALL CONTAIN NO STONES GREATER THAN 3" IN DIAMETER, NO FROZEN LUMPS, CLAY OR ORGANIC MATERIAL. PLACE IN 12" LIFTS AND THOROUGHLY COMPACT.

GRANULAR SAND BORROW (VT. AOT 703.04)

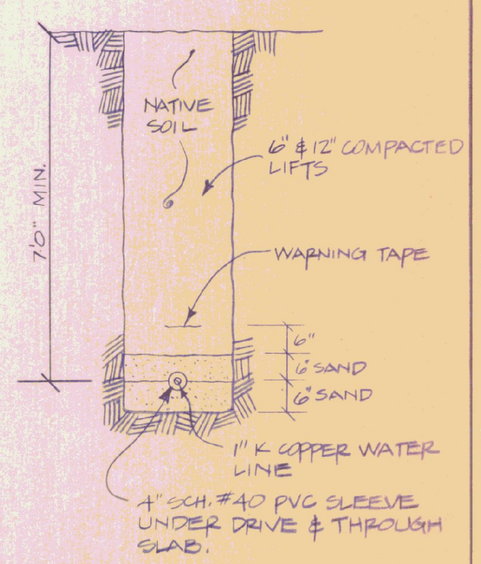
NOTE: IN AREAS NOT PLOWED IN WINTER CONTRACTOR MAY INSTALL WATER LINE TO A DEPTH OF 4 FEET (TO TOP OF PIPE) WITH THE ADDITION OF 5" OF RIGID STYROFOAM INSULATION.

USE 12" SAND OVER LEDGE & UNDISTURBED MATERIAL.

TRENCH DETAIL
NOT TO SCALE



TYPICAL AIR RELEASE DETAIL
NOT TO SCALE



WATER LINE TRENCH DETAIL
SCALE: 1/2" = 1'-0"

STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER. VERMONT

TYPICAL WATER & SEWER DETAILS
VERMONT AGENCY OF TRANSPORTATION
5 BAY MAINTENANCE GARAGE
ENOSBURG FALLS, VERMONT

DATE: MAY 20, 1991	SCALE: NOT TO SCALE	REVISIONS:	DWG NO. P-2
DRAWN BY: A. POULIN	APPROVED BY: F. Hall		18 OF 24