

THRUST BLOCK DETAILS

NOT TO SCALE

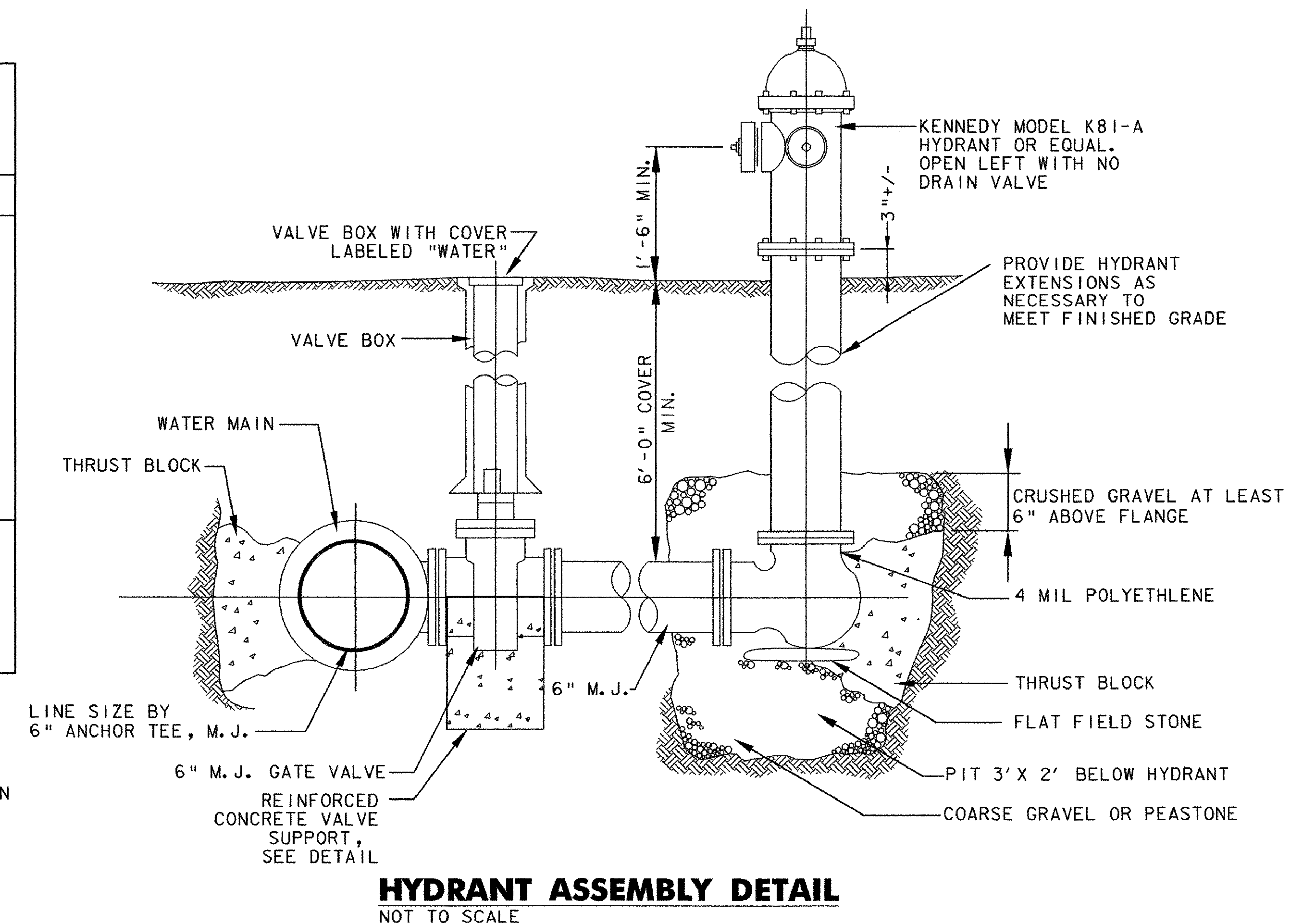
THRUST BLOCK SCHEDULE SQUARE FEET OF CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL			
REACTION TYPE	PIPE SIZE		
	6"	8"	
TEST PRESSURE = 100 PSIG	(A)	5.5	9.5
	(B)	4.0	6.5
	(C)	3.0	5.0
	(D)	1.5	2.5
	(E)	0.8	1.3
OTHER TEST PRESSURES FOR THE ABOVE REACTIONS	SQUARE FEET OF CONCRETE THRUST BLOCKING FOR OTHER TEST PRESSURES IS DIRECTLY PROPORTIONAL TO THE ABOVE TABLE. FOR INSTANCE, AT 200 PSI TEST PRESSURE FOR ABOVE NUMBERS DOUBLE. TEST PRESSURE SHALL BE 150 PSI FOR FERRISBURGH PARK AND RIDE WATER SUPPLY.		

NOTES:

- POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO JOINTS SHALL BE COVERED WITH CONCRETE.
- ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
- PLACE CONCRETE PATIO BLOCKS IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCK.
- REQUIREMENTS OF THE ABOVE TABLE ASSUME 1000 LBS/SF AND MAY BE VARIED BY THE ENGINEER TO MEET OTHER CONDITIONS ENCOUNTERED.
- MEGALUG RETAINER GLANDS ARE REQUIRED FOR ALL MECHANICAL JOINTS. THESE GLANDS DO NOT REDUCE THE REQUIREMENTS FOR THRUST RESTRAINT.
- ALL FITTINGS SHALL BE WRAPPED IN POLYETHYLENE PRIOR TO INSTALLATION OF CONCRETE RESTRAINT.
- THREADED ROD SHALL BE ANSI A242 FY50 PIPE RESTRAINT NUTS TO MATCH AWWA C111. THREADED RODS AND NUTS TO BE FIELD COATED WITH BITUMINOUS PAINT.
- THRUST RESTRAINT IS REQUIRED FOR ALL TEES, BENDS, REDUCERS, CAPS, PLUGS, OR CROSSES.
- INSTALL LIFT HOOKS INTO THRUST BLOCKS AT END CAPS AND PLUGS.

THRUST BLOCK NOTES

PAID FOR UNDER ITEM 501.25 - CONCRETE, CLASS B



HYDRANT ASSEMBLY DETAIL

NOT TO SCALE

WATER LINE LAYOUT POINTS

POINT #	N	E	STA.
WP#1	14316.77	44587.36	0+00.00
WP#2	14316.63	44554.68	0+32.59
WP#3	14272.37	44510.79	0+94.93
WP#4	14178.12	44417.33	2+27.66
WP#5	14109.80	44349.58	3+23.88
WP#6	13995.44	44242.23	4+80.72
WP#7	13880.07	44130.60	6+41.26
WP#8	13820.04	44072.38	7+24.89
WP#9	13781.18	44026.73	7+84.85
WP#10	13755.02	43985.40	8+33.75
WP#11	13742.67	43959.67	8+53.75
WP#12	13693.43	43923.24	9+21.49
WP#13	13658.39	43910.93	9+58.66
WP#14	13638.30	43920.58	9+81.01

PROJECT NAME: FERRISBURGH/VERGS-FERRISBURGH
 PROJECT NUMBER: CMG PARK (15)S/STP EHOI(21)
 FILE NAME: ...\\PlotFiles\52waterdet1.ptf PLOT DATE: 4/19/2006
 PROJECT LEADER: MLD DRAWN BY: JSK
 DESIGNED BY: BFR CHECKED BY: JTM
WATER LINE DETAILS 1 SHEET 52 OF 65