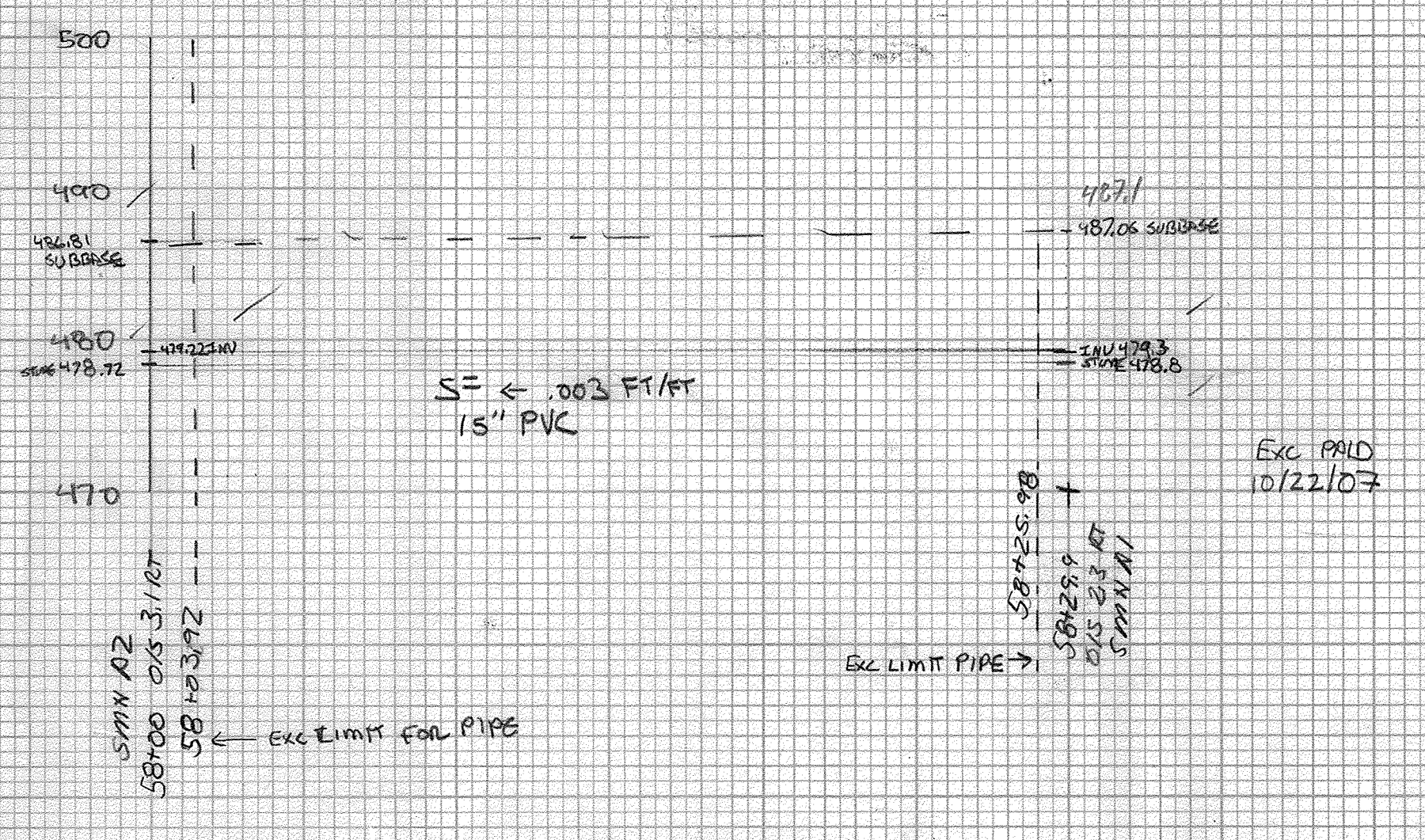


49 58+00 RT O/S 31 RT TO 58+29.9 RT O/S 2.3 RT (30 L.F.)  
 SMA A2



ITEM 204.20 TRENCH EXCAVATION OF EARTH

STATION	HEIGHT	AVG HT	≤ 5'	+ 5'	WIDTH	LENGTH	C.Y.	150%	
58+03.92	8.09	8.18	5	3.18	3.28	27.06	13.40	22.06	
58+25.98	8.26				3.28	27.06	13.40	22.06	
							26.18	12.78	26.18

BL 5/16/07 PD 10/23/07

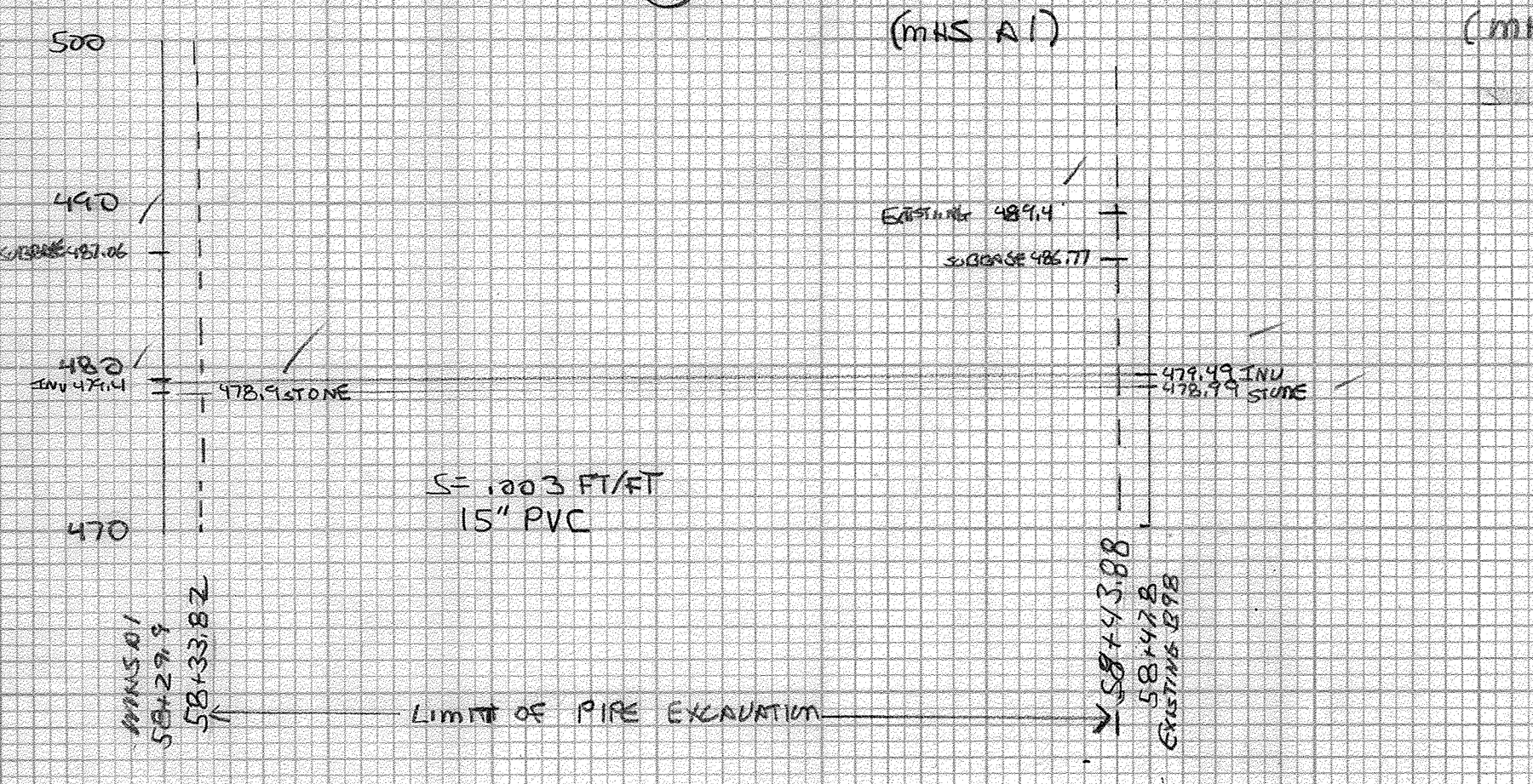
EXCAVATION OF MNS A1 TO BE BASED ON SHOP DWG.

ITEM 204.30 GRANULAR BACK FILL FOR STRUCTURE  
 (22.06 + 5 + 5 + 1) x 3.28 x 1.13 x 1/27 = 3.44 CY  
 UNDER MNS A1 = 1.20 CY  
 4.64 CY

2.12 CY FOR MNS A2 SEE SHEET 5 FOR CALC.  
 SUBTOTAL = 47.38 CY  
 1.73 CY TRENCH ROCK REMOVAL EXISTING STRUCTURES  
 2.31 CY SOCIO ROCK  
 48.34 CY 3/1/08  
 CPH 1/3/08

SEWER MNS A1  
 HEIGHT (487.06 - 479.3) + 1.2 INCH TO BOTTOM OF SUMP + 1.5 SLAB = 9.46 FT  
 5' DIA STRUCTURE F.M. DIM. 6.0 FT + STAKE + 5' + 1.5 + 1.8 = 7.6 FT. PLUS 2' DIA RAD = 4.8  
 5 x (4.8) x 1.13 x 1/27 = 13.4 CY  
 4.96 x (4.8) x 1.13 x 1/27 x 150% = 11.75 CY  
 4.46  
 23.35 CY RUP 9/23/06  
 2/33 CY CPH ✓ BL 2/18/08

50 STATION 58+29.9 RT O/S 2.3 RT TO 58+47.8 LT (MNS A1) (MNS B98) (34 L.F.) USE 26.16 LF\*



STATION	HEIGHT	AVG HT	≤ 5'	+ 5'	WIDTH	LENGTH	C.Y.	150%	
58+33.82	8.16	7.97	5	2.97	3.28	26.16	15.89	14.16	
58+43.88	7.78				3.28	26.16	15.89	14.16	
							30.05	14.16	30.05

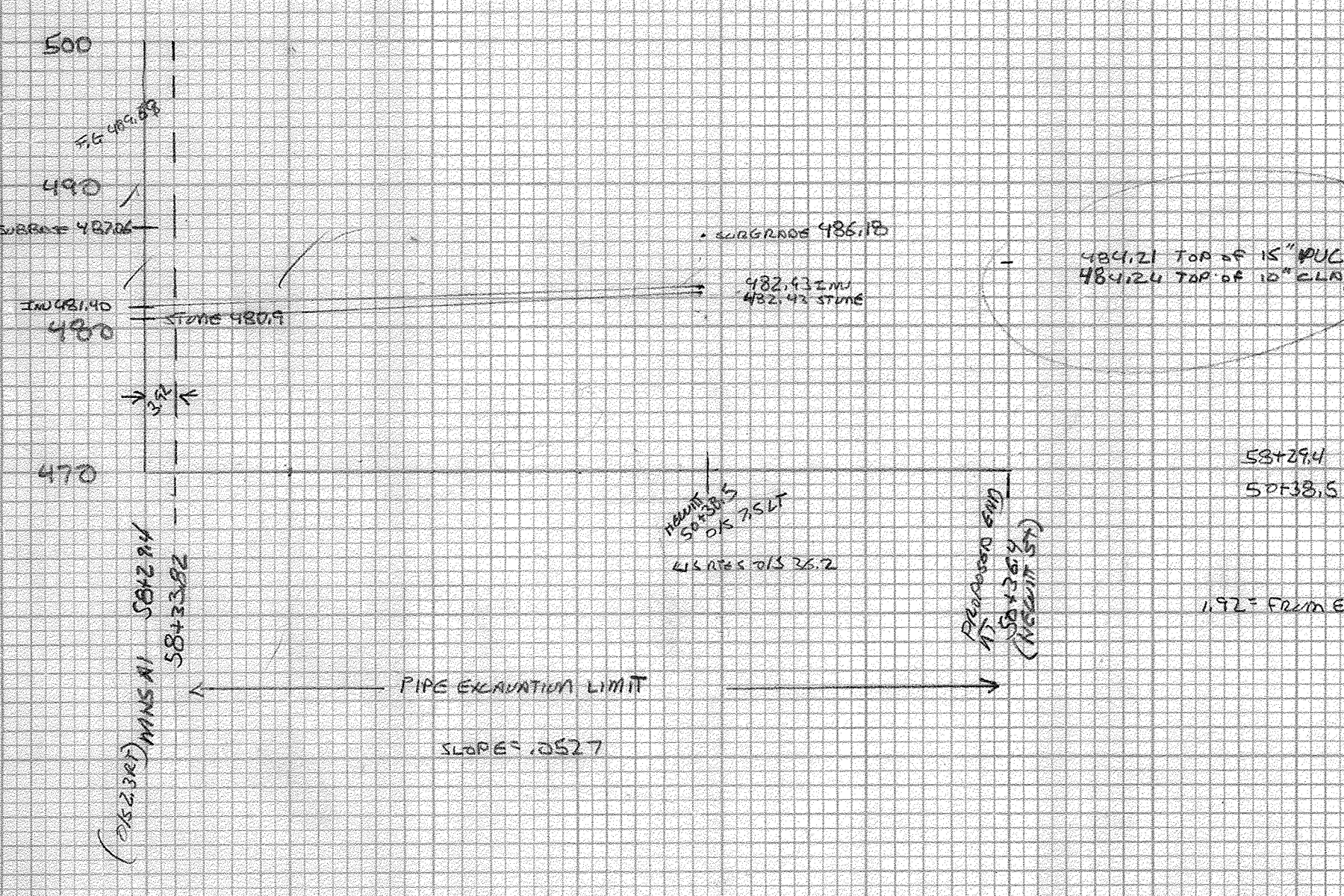
BL 5/1/07 PD 10/26/07

MNS B98 - EXISTING - NO EXCAVATION.

ITEM 204.30 GRANULAR BACK FILL FOR STRUCTURE  
 (26.16 + 1.5 + 1.5 + 1) x 1.13 x 3.28 x 1/27 = 4.00 CY

30.05 TRENCH  
 3.133 TRENCH EXC.  
 61.38 CY 9/31/08  
 1.72  
 59.66 CY 4/8 05/12/10  
 RCD 1/31/11  
 CPH 2/01/08  
 REMOVAL OF A-1 ROCK 10/22/07  
 TRENCH 10/22/07  
 SOLID ROCK NOT INCL IN TRENCH EARTH AREA

56 (MNS A1) STATION 58+29.4 RT TO 58+36.4 LT (NEWITT ST) 40 L.F.  
 CONNECT TO EXISTING 10" VIC. PIPE



58+29.4 487.06 - 480.9 = 6.16  
 58+36.4 486.18 - 482.13 = 3.78  
 4.76 x (38.5 - 19.2 + 1) x 3.28 x 1/27 = 22.64 CY  
 7.4 12/18/07

1.92' FROM EXCAVATION OF STRUCTURE 1.42 WALL, 1.5' SLAB LOWER LIMIT = 1.92'

CPH 2/01/08

ORIGINAL SURVEY	DATE
NOTED	
REVISIONS	
NO.	
BY	
DATE	

FINAL SURVEY	DATE
NOTED	
REVISIONS	
NO.	
BY	
DATE	