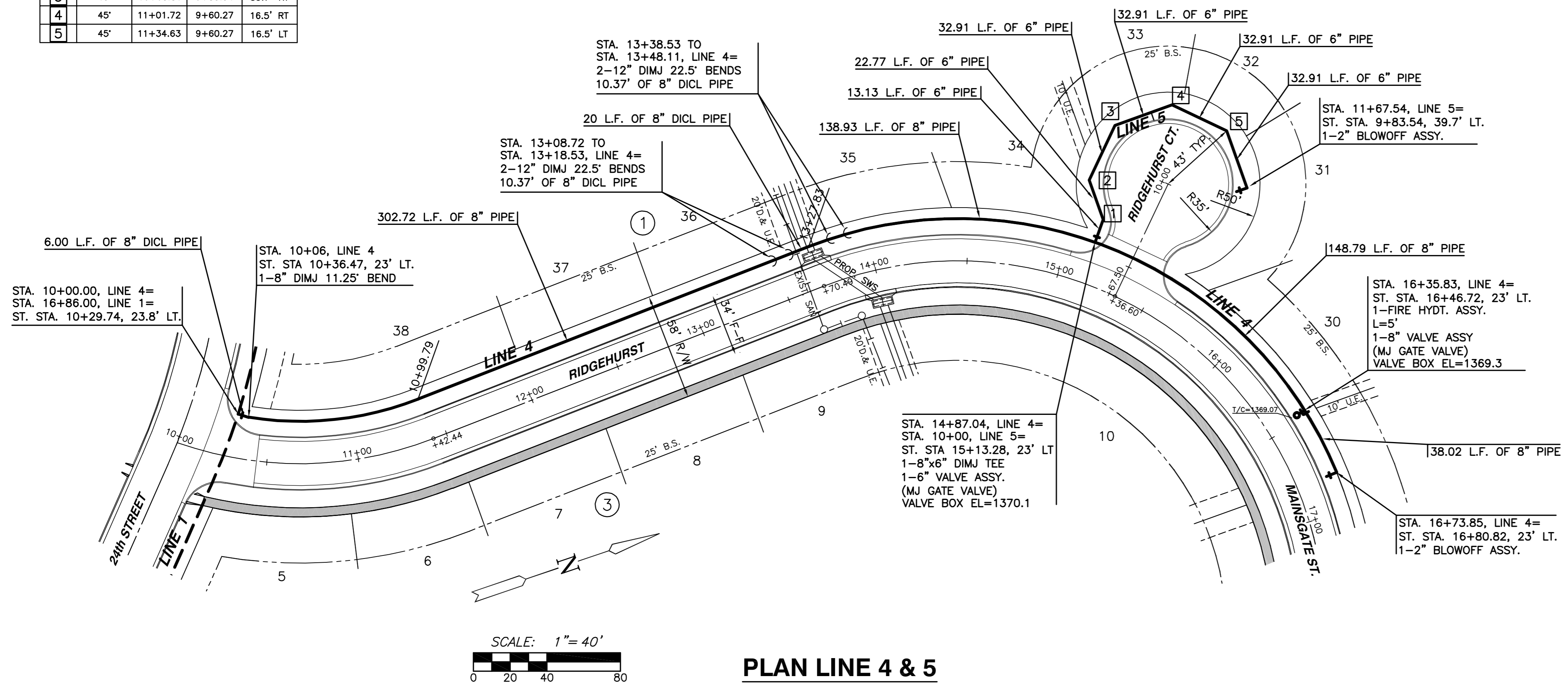


BEND CHART				
NO.	6" BEND	STA.	BL. STA.	OFFSET
1	45°	10+13.13	10+32.56	23.6' RT
2	45°	10+35.90	10+16.46	39.7' RT
3	45°	10+68.81	9+83.54	39.7' RT
4	45°	11+01.72	9+60.27	16.5' RT
5	45°	11+34.63	9+60.27	16.5' LT

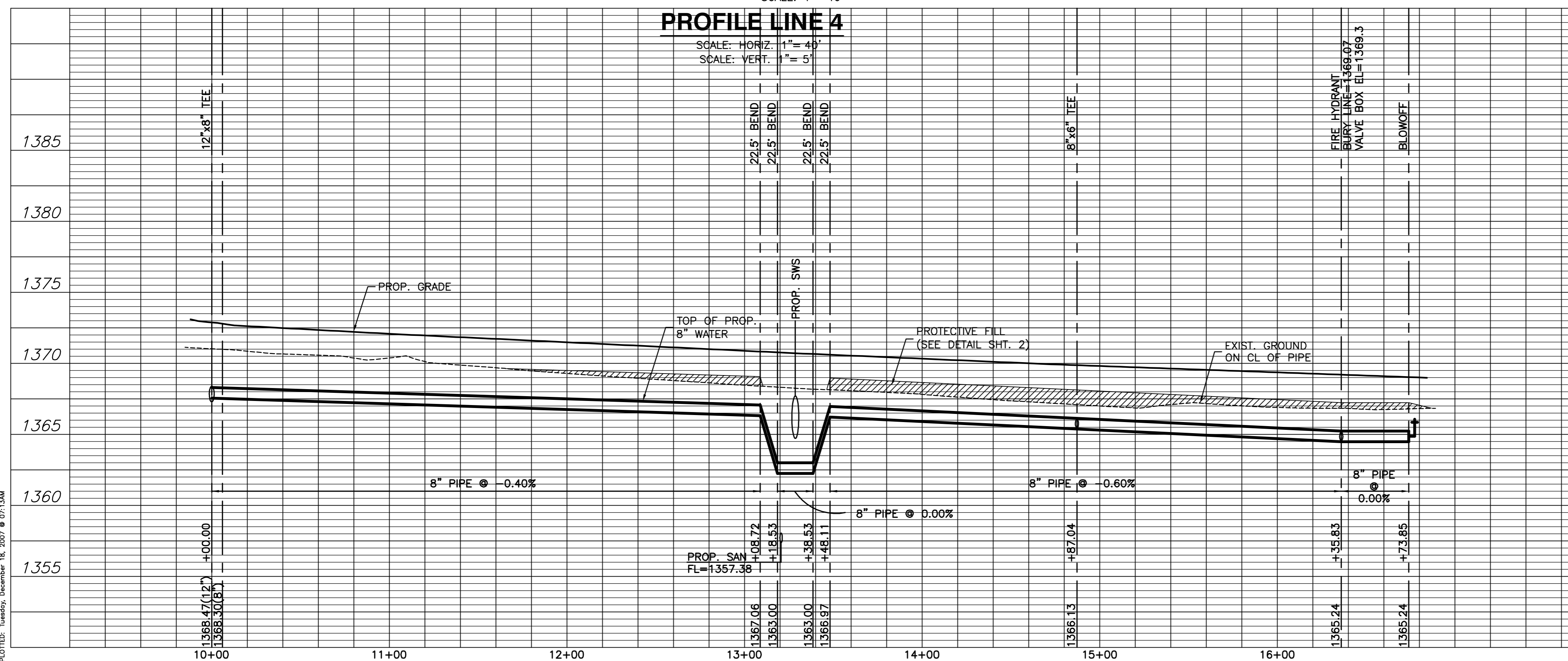


PLAN LINE 4 & 5
SCALE: 1" = 40'

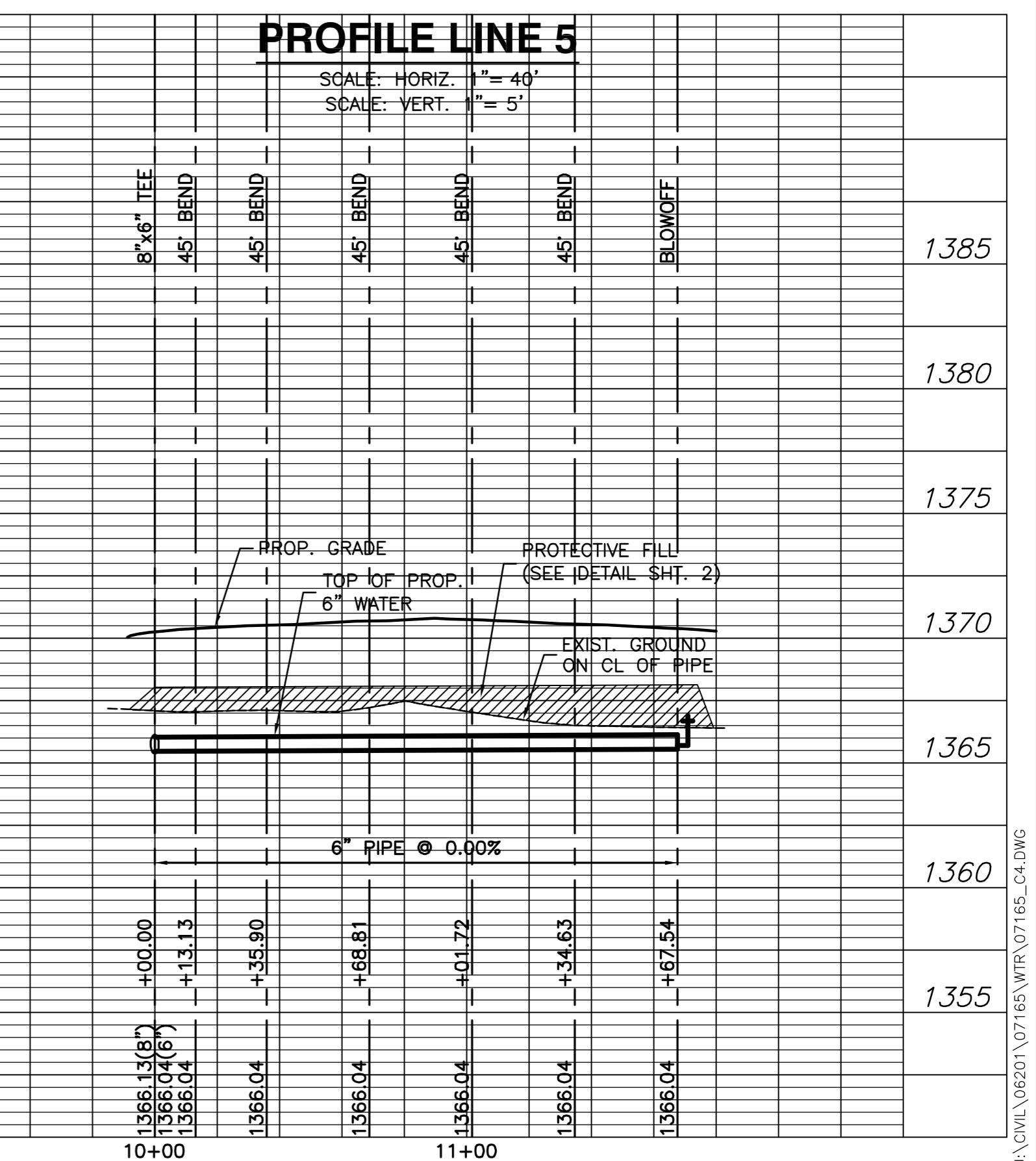
CURVE TABLE					
$\Delta = 30'21'32''$ R = 177.00' T = 48.02' L = 93.79' LC = 92.69'					
CURVE DATA BASED ON WATERLINE $\Delta/2 = 15'10'46''$					
STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		6' LT Offset	6' RT Offset		
10+06.00	-	-	-	00°00'00"	00°00'00"
10+25.00	19.00'	18.35'	-	03°04'31"	03°04'31"
10+50.00	25.00'	24.13'	-	04°02'47"	07°07'17"
10+75.00	25.00'	24.13'	-	04°02'47"	11°10'04"
10+99.79	24.79'	23.93'	-	04°00'42"	15°10'46"
Def/Ft = 9.71115 Min.					

CURVE TABLE					
$\Delta = 88'54'06''$ R = 223.00' T = 218.77' L = 346.01' LC = 312.33'					
CURVE DATA BASED ON WATERLINE $\Delta/2 = 44'27'03''$					
STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		6' LT Offset	6' RT Offset		
13+08.72	-	-	-	00°00'00"	00°00'00"
13+18.53	9.81'	10.07'	-	01°15'37"	01°15'37"
13+27.83	9.30'	9.55'	-	01°11'41"	02°27'18"
13+38.53	10.70'	10.99'	-	01°22'29"	03°49'46"
13+48.11	9.58'	9.84'	-	01°13'51"	05°03'37"
13+50.00	1.89'	1.94'	-	00°14'34"	05°18'11"
13+75.00	25.00'	25.66'	-	03°12'42"	08°30'53"
14+00.00	25.00'	25.66'	-	03°12'42"	11°43'35"
14+25.00	25.00'	25.66'	-	03°12'42"	14°56'17"
14+50.00	25.00'	25.66'	-	03°12'42"	18°08'59"
14+75.00	25.00'	25.66'	-	03°12'42"	21°21'41"
14+87.04	12.04'	12.36'	-	01°32'48"	22°54'29"
15+00.00	12.96'	13.31'	-	01°39'54"	24°34'23"
15+25.00	25.00'	25.66'	-	03°12'42"	27°47'05"
15+50.00	25.00'	25.66'	-	03°12'42"	30°59'46"
15+75.00	25.00'	25.66'	-	03°12'42"	34°12'28"
16+00.00	25.00'	25.66'	-	03°12'42"	37°25'10"
16+25.00	25.00'	25.66'	-	03°12'42"	40°37'52"
16+35.83	10.83'	11.12'	-	01°23'29"	42°01'21"
16+50.00	14.17'	14.55'	-	01°49'13"	43°50'34"
16+73.84	23.84'	24.47'	-	03°03'47"	46°54'21"
Def/Ft = 7.70795 Min.					

PROFILE LINE 4
SCALE: HORIZ. 1" = 40'
SCALE: VERT. 1" = 5'



PROFILE LINE 5
SCALE: HORIZ. 1" = 40'
SCALE: VERT. 1" = 5'



LINES 4 & 5
SHEET TITLE
448-90334
PROJECT NUMBER

DLF
DESIGN BY
JLB
DRAWN BY
GJA
CHECKED BY

ISSUED
December 2007
REVISED

PLOTED: Tuesday, December 18, 2007 @ 09:13AM

J:\CIVIL\062007\07165\WTR\07165_C4.DWG