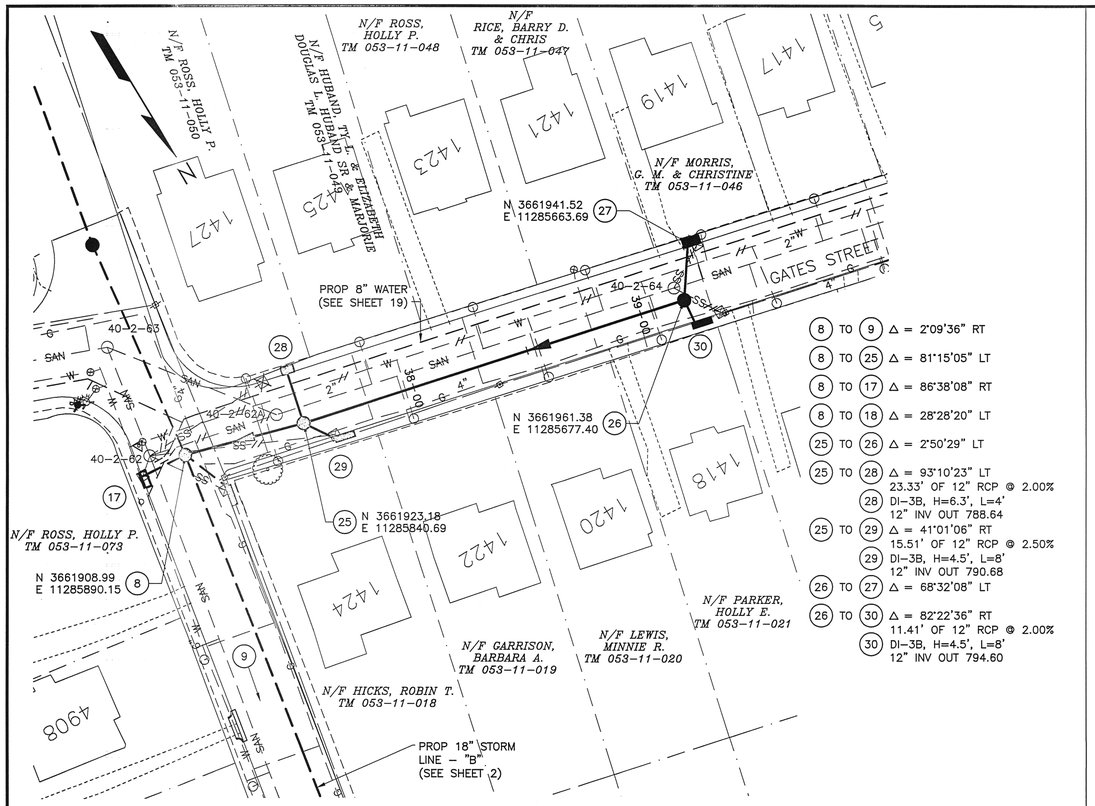
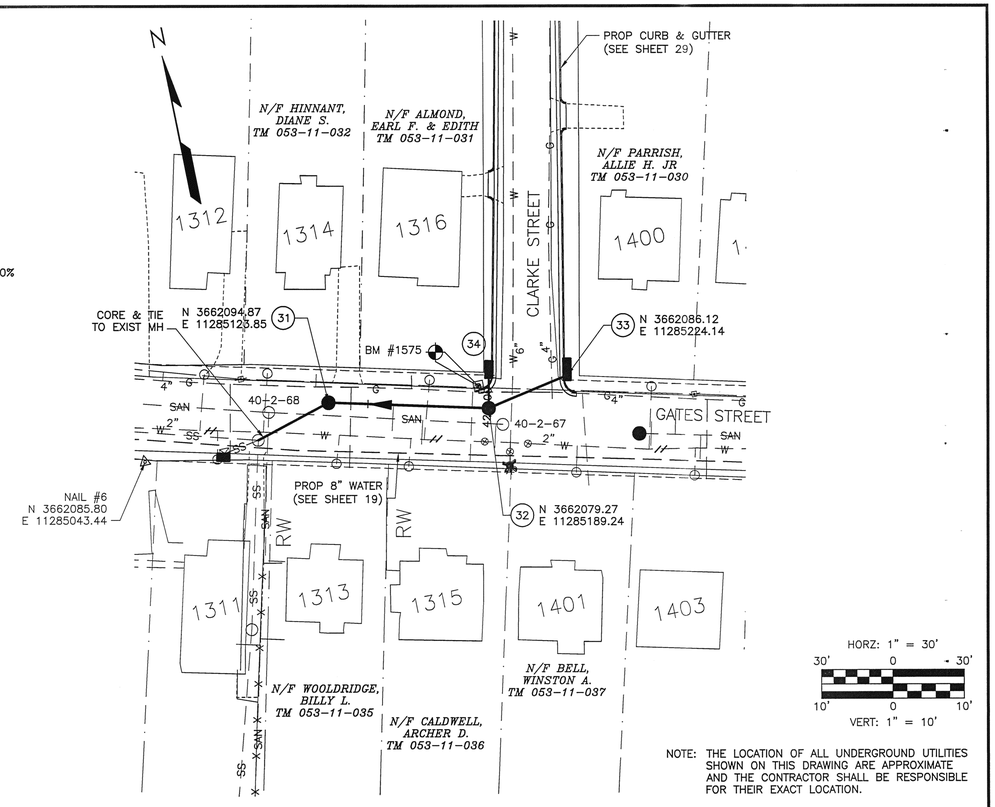


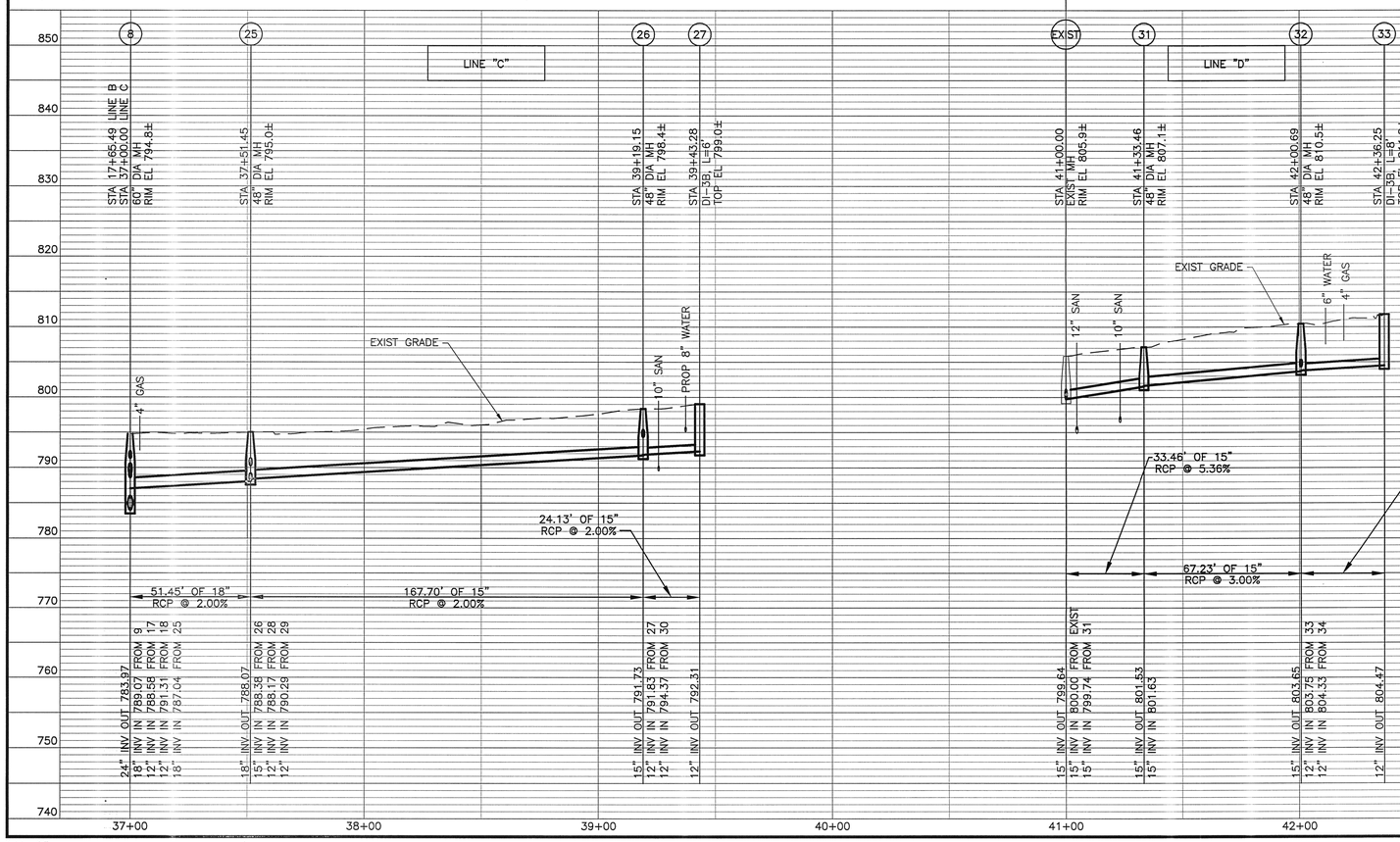
(8) TO (9) Δ = 2°09'36" RT
(8) TO (25) Δ = 81°15'05" LT
(8) TO (17) Δ = 86°38'08" RT
(8) TO (18) Δ = 28°28'20" LT
(25) TO (26) Δ = 2°50'29" LT
(25) TO (28) Δ = 93°10'23" LT
23.33' OF 12" RCP @ 2.00%
(28) DI-3B, H=6.3', L=4'
12" INV OUT 788.64
(25) TO (29) Δ = 41°01'06" RT
15.51' OF 12" RCP @ 2.50%
(29) DI-3B, H=4.5', L=8'
12" INV OUT 790.68
(26) TO (27) Δ = 68°32'08" LT
(26) TO (30) Δ = 82°22'36" RT
11.41' OF 12" RCP @ 2.00%
(30) DI-3B, H=4.5', L=8'
12" INV OUT 794.60

EXIST TO (31) Δ = 59°53'51" RT
(31) TO (32) Δ = 30°06'36" RT
(32) TO (33) Δ = 24°31'24" LT
(32) TO (34) Δ = 91°38'01" LT
14.61' OF 12" RCP @ 2.00%
(34) DI-3B, H=4.5', L=6'
12" INV OUT 804.62



HORZ: 1" = 30'
VERT: 1" = 10'

NOTE: THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ON THIS DRAWING ARE APPROXIMATE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR EXACT LOCATION.



COMMONWEALTH OF VIRGINIA
THOMAS L. FITZGERALD
No. 036727
7-16-04
PROFESSIONAL ENGINEER

BID SET

CSO SEPARATION 18.2 STORM SEWER

LINE C – STA 37+00 TO STA 41+00
LINE D – STA 41+00 TO STA 46+00

THE CITY OF LYNCHBURG, VIRGINIA
DEPT. OF PUBLIC WORKS
ENGINEERING

DESIGNED BY: GKT	DRAWN BY: GKT	CHECKED BY: TLF
HORIZONTAL SCALE: 1" = 30'	PROJECT NO: 01093-S	
VERTICAL SCALE: 1" = 10'	W & W NO.: 202084.01	
DATE: 7-16-04	SHEET 5	

04Jan05

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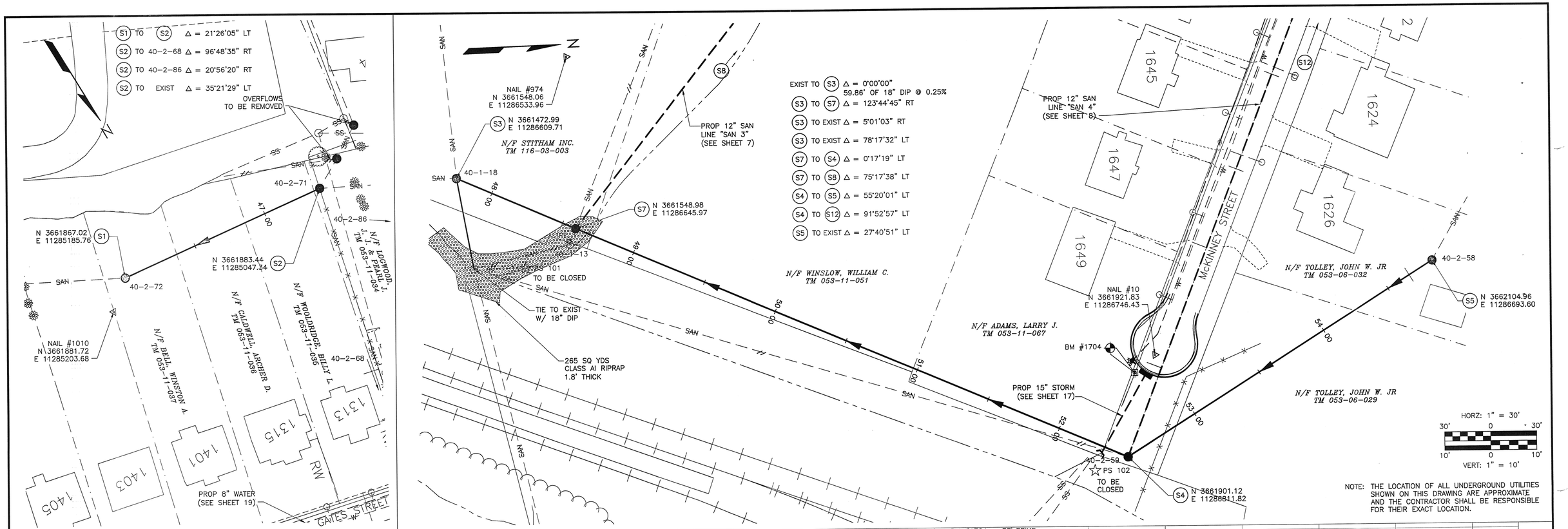
S1 TO S2 Δ = 21°26'05" LT
S2 TO 40-2-68 Δ = 96°48'35" RT
S2 TO 40-2-86 Δ = 20°56'20" RT
S2 TO EXIST Δ = 35°21'29" LT
OVERFLOWS TO BE REMOVED
N 3661867.02 E 11285185.76 S1
N 3661883.44 E 11285047.34 S2
40-2-71
40-2-72
40-2-86
40-2-68
NAIL #1010 N 3661881.72 E 11285203.68
N/F BELL, WINSTON A. TM 053-11-037
N/F CALDWELL, ARCHER D. TM 053-11-036
N/F WOOLDRIDGE, BILLY L. TM 053-11-035
N/F LOCKWOOD, J. & PEARL J. TM 053-11-034
1405
1403
1401
1315
1313
RW
PROP 8" WATER (SEE SHEET 19)
GATES STREET
NAIL #974 N 3661548.06 E 11286533.96
S3 N 3661472.99 E 11286609.71
N/F STITHAM INC. TM 116-03-003
40-1-18
PROP 12" SAN LINE "SAN 3" (SEE SHEET 7)
S7 N 3661548.98 E 11286645.97
PS 101 TO BE CLOSED
TIE TO EXIST W/ 18" DIP
265 SQ YDS CLASS AI RIPRAP 1.8" THICK
EXIST TO S3 Δ = 0°00'00" 59.86' OF 18" DIP @ 0.25%
S3 TO S7 Δ = 123°44'45" RT
S3 TO EXIST Δ = 5°01'03" RT
S3 TO EXIST Δ = 78°17'32" LT
S7 TO S4 Δ = 0°17'19" LT
S7 TO S8 Δ = 75°17'38" LT
S4 TO S5 Δ = 55°20'01" LT
S4 TO S12 Δ = 91°52'57" LT
S5 TO EXIST Δ = 27°40'51" LT
N/F WINSLOW, WILLIAM C. TM 053-11-051
N/F ADAMS, LARRY J. TM 053-11-067
PROP 12" SAN LINE "SAN 4" (SEE SHEET 8)
1645
1647
1649
1624
1626
McKINNEY STREET
NAIL #10 N 3661921.83 E 11286746.43
BM #1704
PROP 15" STORM (SEE SHEET 17)
40-2-59
PS 102 TO BE CLOSED
N 3661901.12 E 11286811.82
N/F TOLLEY, JOHN W. JR TM 053-06-032
40-2-58
N 3662104.96 E 11286693.60
N/F TOLLEY, JOHN W. JR TM 053-06-029
HORZ: 1" = 30'
VERT: 1" = 10'
NOTE: THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ON THIS DRAWING ARE APPROXIMATE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR EXACT LOCATION.
BM #1704 – RR SPIKE IN POWER POLE EL 762.05
LINE SAN 1
LINE SAN 2
STA 46+00.00 48" DIA MH RIM EL 785.9±
12" INV OUT 778.70 12" INV IN 778.80
STA 47+39.40 48" DIA MH RIM EL 786.6±
12" INV OUT 780.69 12" INV IN 780.79
STA 47+75.00 60" DIA MH W/ WT FRAME AND COVER RIM EL 751.1±
18" INV OUT 743.70 FROM S7 18" INV IN 743.80 FROM EXIST 18" INV IN 744.56 FROM EXIST 12" INV IN 744.20 FROM EXIST
STA 48+59.20 LINE SAN 2 STA 55+00.00 LINE SAN 3 48" DIA MH W/ WT FRAME AND COVER RIM EL 748.7±
18" INV OUT 744.12 18" INV IN 744.22 FROM S4 12" INV IN 744.72 FROM S8
NOTE: CONTRACTOR SHALL GRADE TO PROVIDE A MINIMUM 2' OF COVER OVER PROPOSED SANITARY SEWER.
EXIST GRADE
EXIST 18" (TBA)
PROP 15" STORM
STA 52+48.45 LINE SAN 2 STA 64+00.00 LINE SAN 4 60" DIA MH W/ WT FRAME AND COVER RIM EL 760.3±
18" INV OUT 751.31 18" INV IN 752.09 FROM S5 12" INV IN 751.81 FROM S12
STA 54+84.09 48" DIA MH RIM EL 763.0±
18" INV OUT 756.74 18" INV IN 756.84
139.41' OF 12" SAN @ 1.36%
84.20' OF 18" DIP @ 0.50%
389.25' OF 18" DIP @ 1.82%
235.64' OF 18" SAN @ 1.97%
46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00
BID SET
CSO SEPARATION 18.2
SANITARY SEWER
LINE SAN 1 – STA 46+00 TO STA 47+75
LINE SAN 2 – STA 47+75 TO STA 55+00
THE CITY OF LYNCHBURG, VIRGINIA
DEPT. OF PUBLIC WORKS
ENGINEERING
DESIGNED BY: GKT
DRAWN BY: GKT
CHECKED BY: TLF
HORIZONTAL SCALE: 1" = 30'
PROJECT NO: 01093-S
VERTICAL SCALE: 1" = 10'
W & W NO.: 202084.01
DATE: 7-16-04
SHEET 6
COMMONWEALTH OF VIRGINIA
THOMAS L. FITZGERALD
No. 036727
7-16-04
PROFESSIONAL ENGINEER
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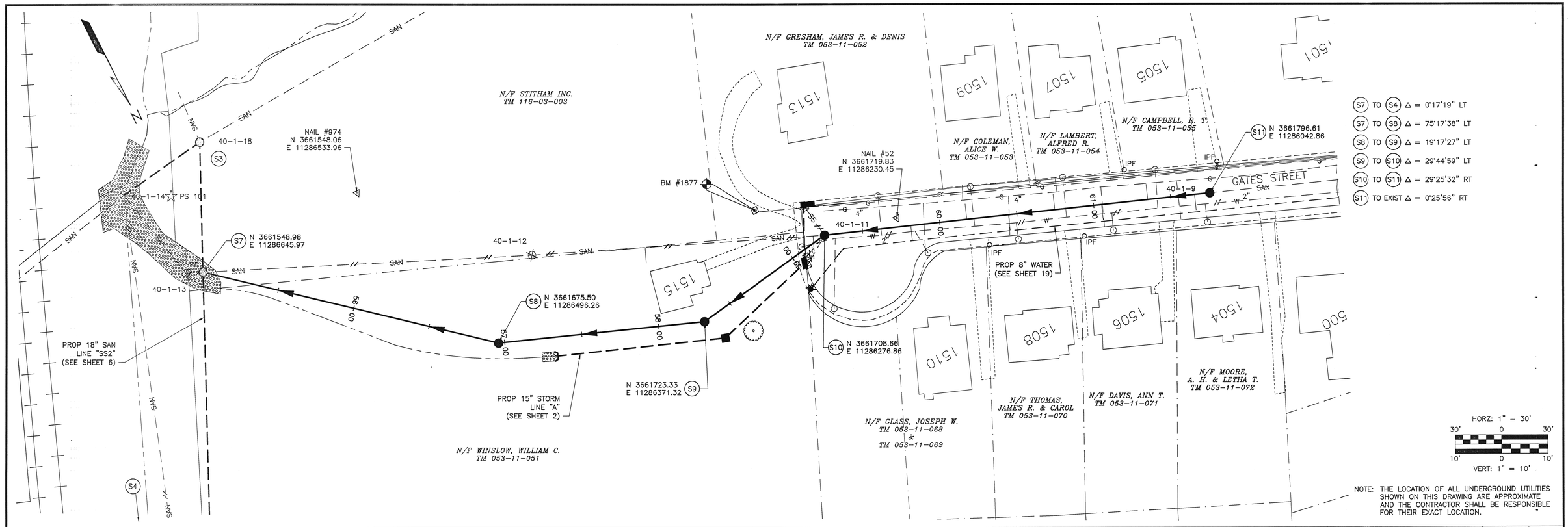

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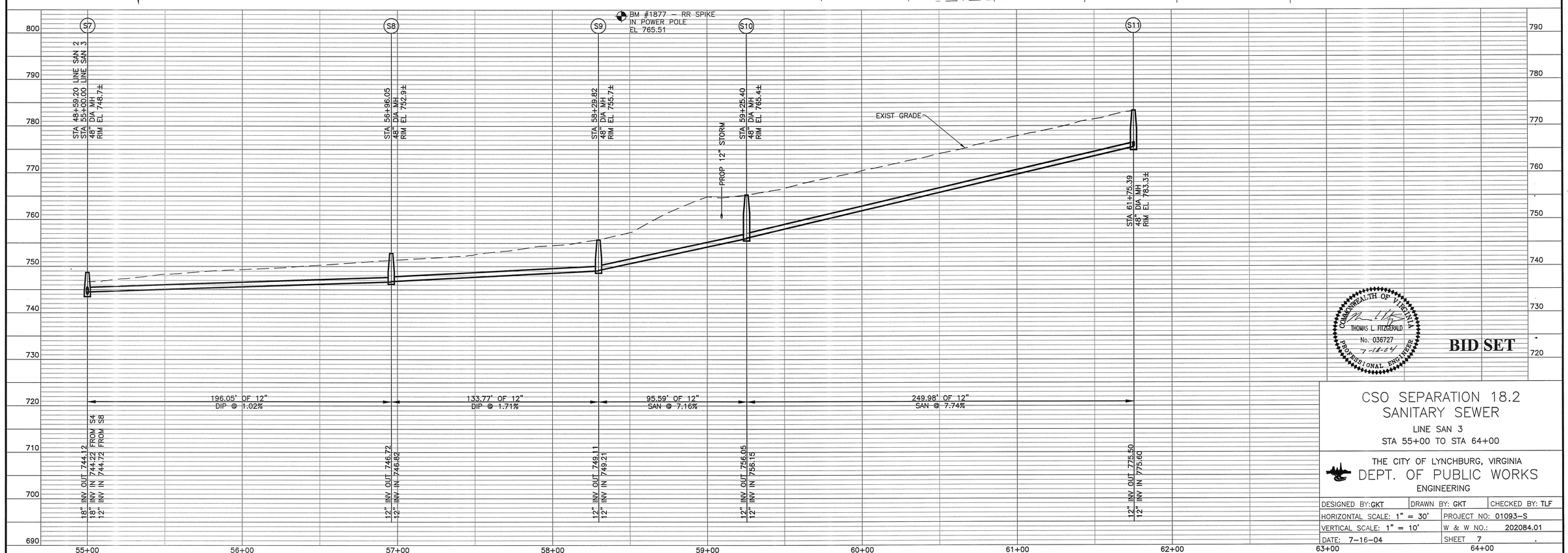

COMMONWEALTH OF VIRGINIA
THOMAS L. FITZGERALD
No. 036727
7-16-04
PROFESSIONAL ENGINEER

BID SET

CSO SEPARATION 18.2
SANITARY SEWER

LINE SAN 3

STA 55+00 TO STA 64+00

THE CITY OF LYNCHBURG, VIRGINIA

DEPT. OF PUBLIC WORKS

ENGINEERING

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HORIZONTAL SCALE: 1" = 30'	PROJECT NO: 01093-S	
VERTICAL SCALE: 1" = 10'	W & W NO.: 202084.01	
DATE: 7-16-04	SHEET 7	

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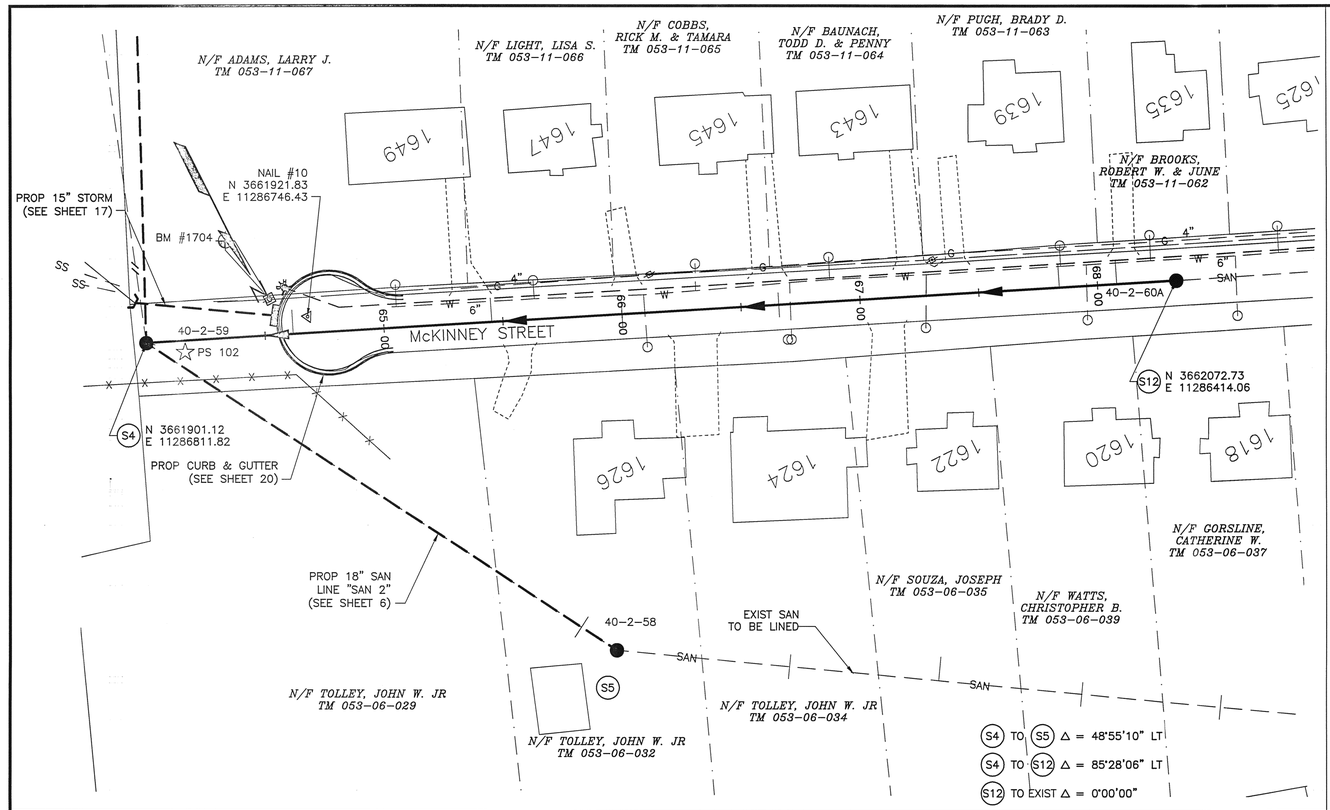

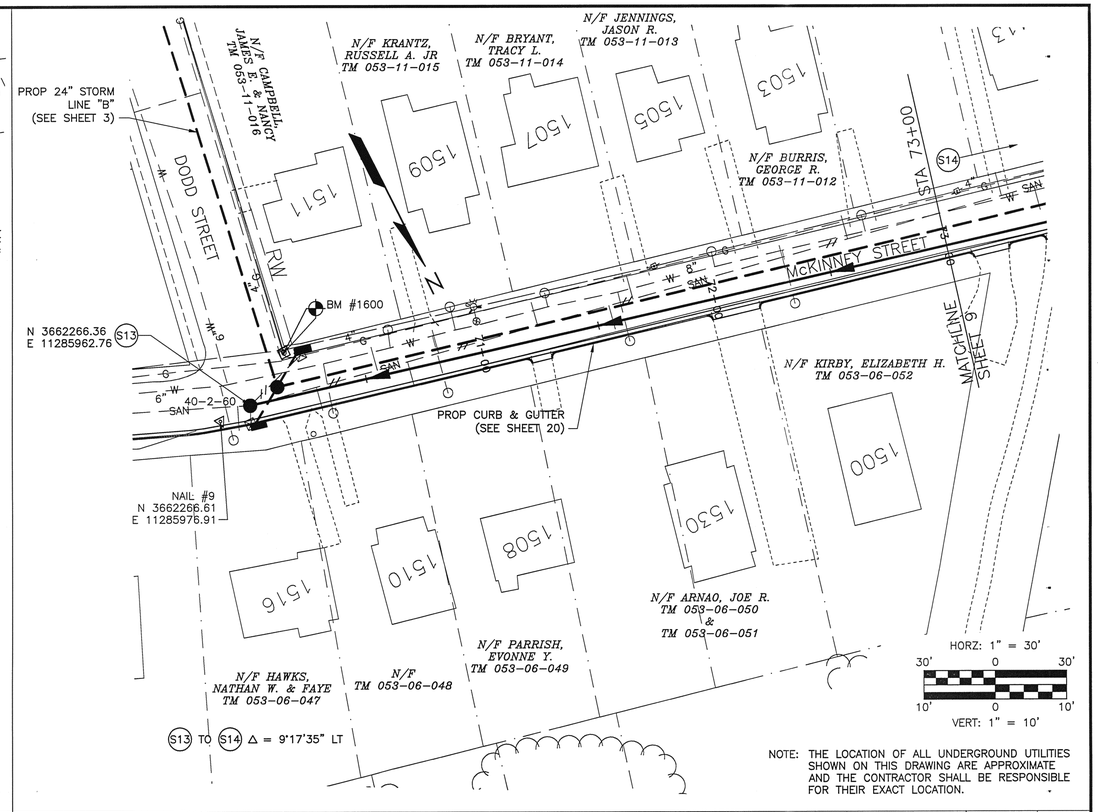

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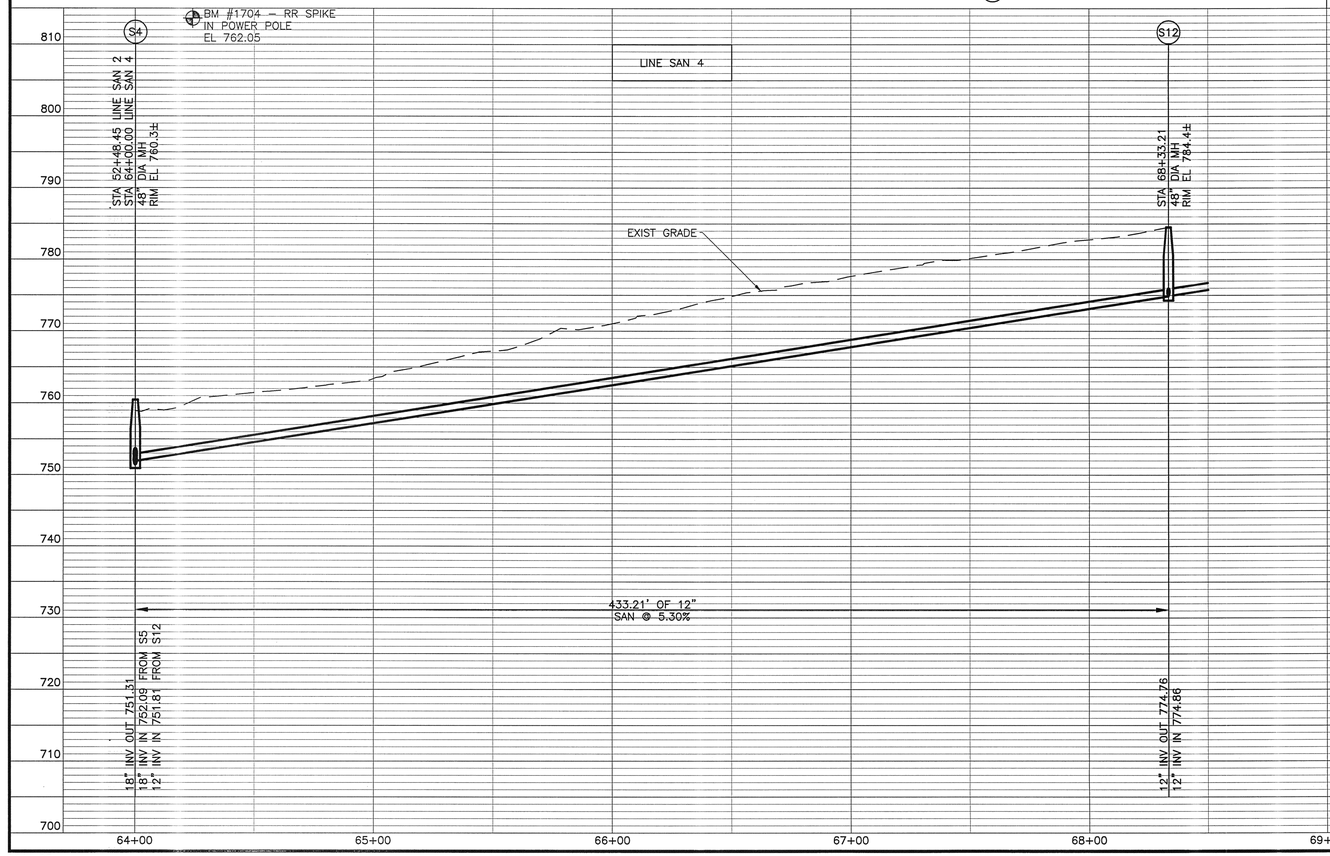

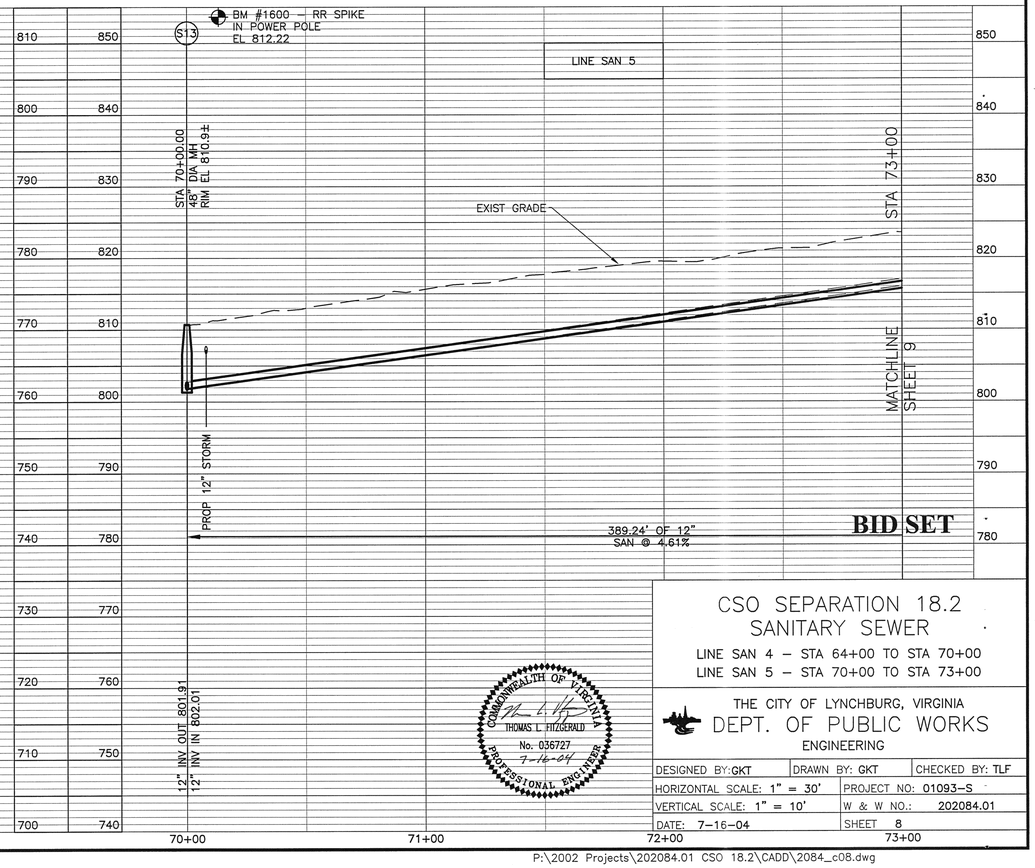

BID SET

COMMONWEALTH OF VIRGINIA
THOMAS L. FITZGERALD
No. 036727
7-16-04
PROFESSIONAL ENGINEER

CSO SEPARATION 18.2
SANITARY SEWER

LINE SAN 4 – STA 64+00 TO STA 70+00
LINE SAN 5 – STA 70+00 TO STA 73+00

THE CITY OF LYNCHBURG, VIRGINIA
DEPT. OF PUBLIC WORKS
ENGINEERING

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HORIZONTAL SCALE: 1" = 30'	PROJECT NO: 01093-S	
VERTICAL SCALE: 1" = 10'	W & W NO.: 202084.01	
DATE: 7-16-04	SHEET 8	

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