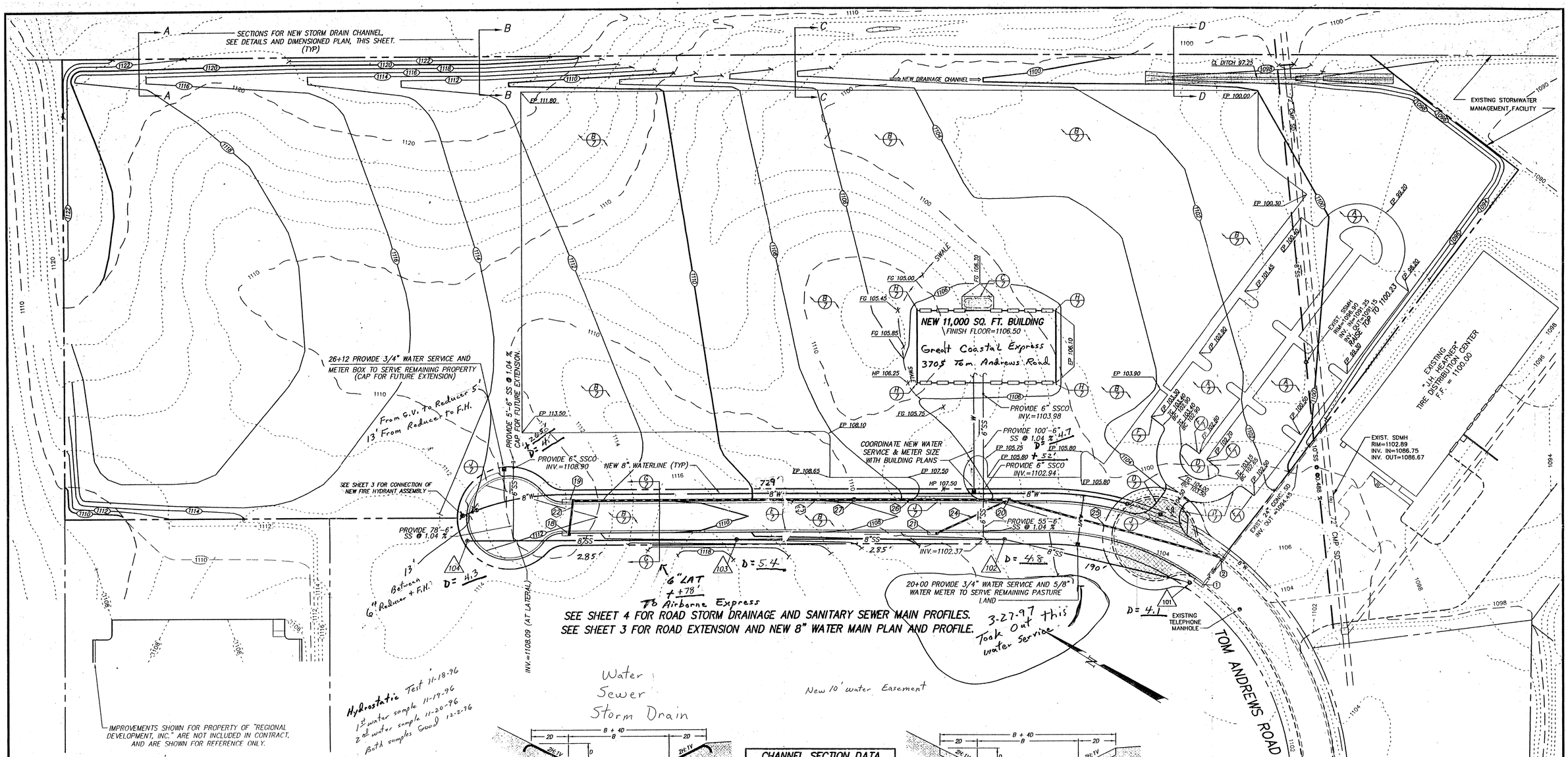


STORM DRAIN SCHEDULE

1 EXISTING CURB INLET
RIM=1103.82
INV. = 1098.26

2 EXISTING CURB INLET
RIM=1103.56
INV. IN = 1097.52
INV. OUT = 1097.51

18 PROVIDE VDOT ST'D. DI-3B, L=8'
STA. 25+43.41, 18.5' LT.
RIM=1112.39
INV.=1107.72

19 PROVIDE VDOT ST'D. DI-3B, L=14'
STA. 25+39.41, 18.5' RT.
RIM=1112.34
INV. IN=1107.45
INV. OUT=1107.35

20 PROVIDE VDOT ST'D. DI-3B, L=8'
STA. 20+76.24, 18.5' RT.
RIM=1106.55
INV. IN=1099.97 (18")
INV. IN=1099.97 (15")
INV. OUT=1099.87

21 PROVIDE VDOT ST'D. DI-3B, L=12'
STA. 21+52.58, 18.5' LT.
RIM=1107.50
INV.=1100.81

22 PROVIDE 37'-15" CONC. PIPE @ 0.73 %
INV. IN=1107.72
INV. OUT=1107.45

23 PROVIDE 300'-18" CONC. PIPE @ 1.57 %
INV. IN=1107.35
INV. OUT=1102.64

24 PROVIDE 84'-15" CONC. PIPE @ 1.00 %
INV. IN=1100.81
INV. OUT=1099.97

25 PROVIDE 235'-18" CONC. PIPE @ 1.00 %
INV. IN=1099.87
INV. OUT=1097.52

26 PROVIDE 163'-18" CONC. PIPE @ 1.57 %
INV. IN=1102.54
INV. OUT=1099.97

27 PROVIDE 4' DIA. VDOT ST'D. MANHOLE
22+39.41, 18.5' RT.
RIM=1108.60
INV. IN=1102.64
INV. OUT=1102.54

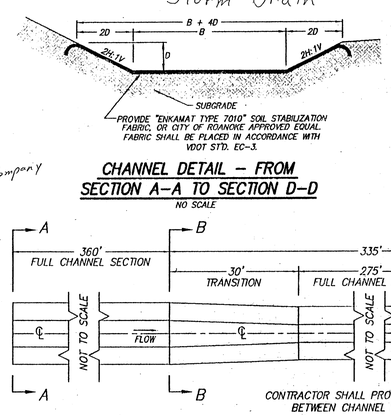
SANITARY SEWER SCHEDULE

101 EXIST. SSMH
RIM=1104.11
INV.=1100.00

102 NEW SSMH
STA. 20+80.85, 25.00' LT.
RIM=1106.90
INV. IN=1102.10
INV. OUT=1102.00

103 NEW SSMH
STA. 23+66.03, 25.00' LT.
RIM=1110.50
INV. IN=1105.76
INV. OUT=1105.66

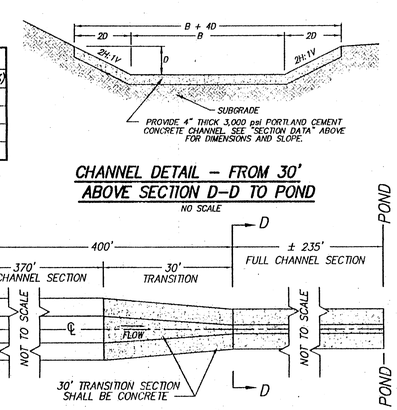
104 NEW SSMH
STA. 26+51.03, 25.00' LT.
RIM=1112.85
INV.=1108.61



CHANNEL DETAIL – FROM SECTION A–A TO SECTION D–D

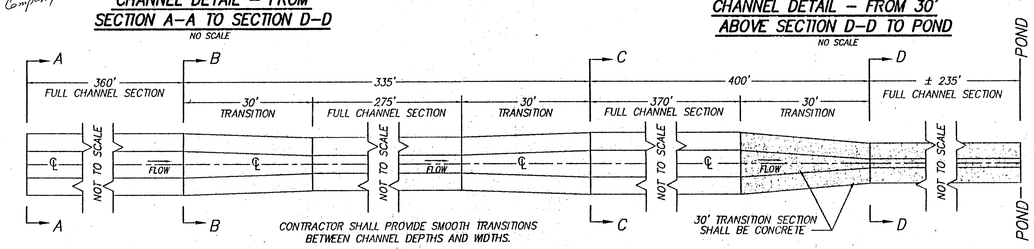
NO SCALE

CHANNEL SECTION DATA			
REACH	B (ft)	D (ft)	SLOPE (%)
A–A to B–B	6	2	1.11
B–B to C–C	4	2	2.38
C–C to D–D	6	2	1.00
D–D to POND	2	1.75	1.49



CHANNEL DETAIL – FROM 30' ABOVE SECTION D–D TO POND

NO SCALE



DIMENSIONED CHANNEL PLAN

NO SCALE

REVISED APRIL 22, 1996 PER CITY OF ROANOKE REVIEW – CLW
REVISED APRIL 08, 1996 PER CITY OF ROANOKE REVIEW – CLW

COMMONWEALTH OF VIRGINIA
FRANK B. CALDWELL, III
NO. 9184
PROFESSIONAL ENGINEER

GRADING AND SITE UTILITIES PLAN
FOR
GREAT COASTAL EXPRESS INC.

SITUATE 3705 TOM ANDREWS ROAD, N.W.
CITY OF ROANOKE, VIRGINIA

SCALE: 1" = 50' DATE: FEBRUARY 23, 1996

DESIGNED BY C.L. White
DRAWN BY C.L. White
CHECKED BY F.B. Caldwell III
W.O. # 95-0673
N.B. ANDREWS PROP.
TAX NO. 6530101

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