GRADING PLAN

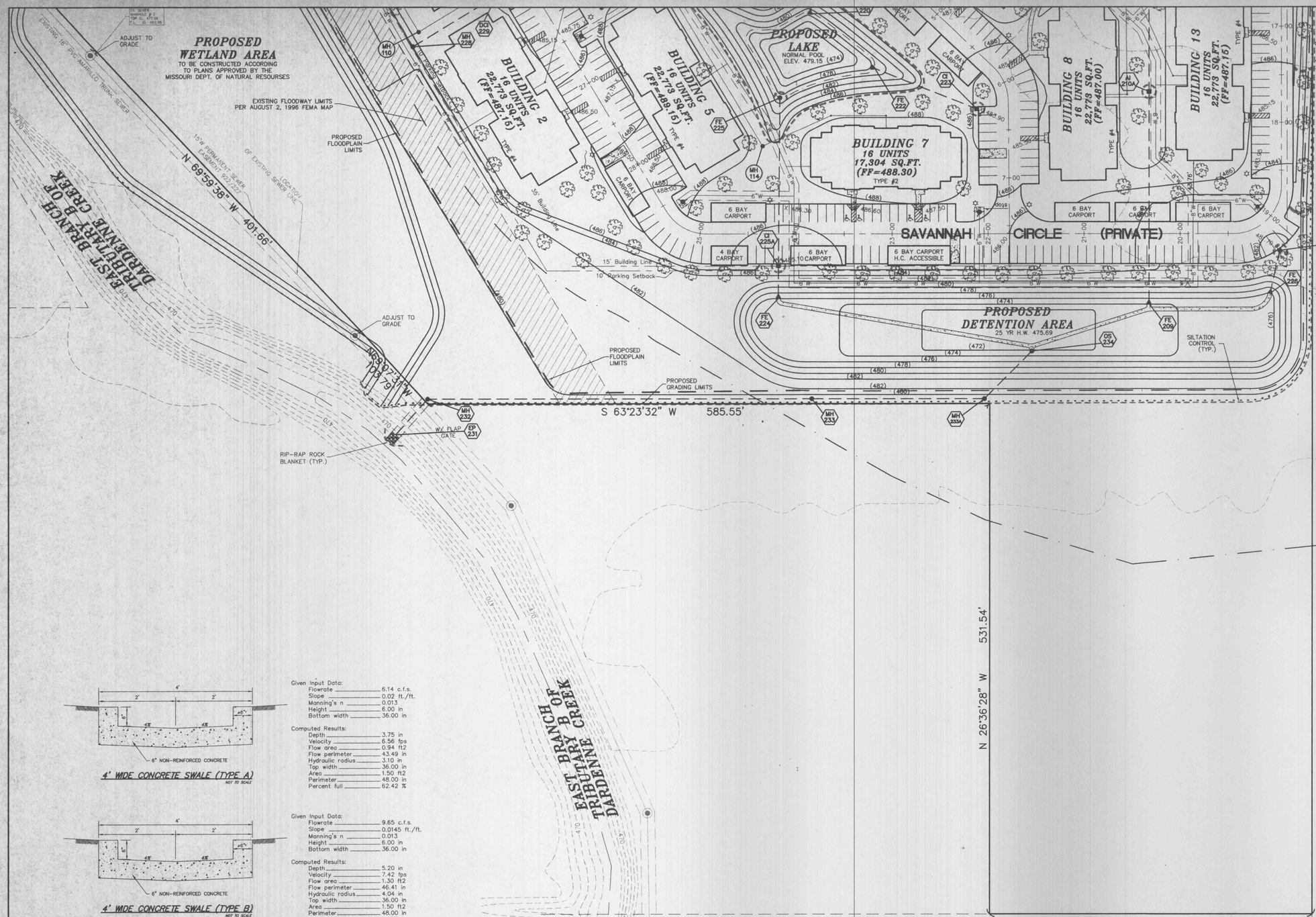
PHEASANT POINT APARTMENTS

2-9-98

95-7218E

REVISIONS

7-20-99	CITY COMMENTS
7-22-99	FIRE DIST. COMMENTS
10-15-99	MISC. REVISIONS
11-18-99	MISC. REVISIONS
12-1-99	STREETNAMES
12-17-99	MISC. REVISIONS
1-19-00	REVIEW COMMENTS
2-14-00	REVIEW COMMENTS
2-17-00	DCSD COMMENTS
3-7-00	COMMENTS
3-18-00	BUILDING ADDRESSES
4-12-00	REVIEW COMMENTS
5-2-00	CLIENT REVISIONS



4' WIDE CONCRETE SWALE (TYPE A)
NOT TO SCALE

Given Input Data:

Flowrate	6.14 c.f.s.
Slope	0.02 ft./ft.
Manning's n	0.013
Height	6.00 in
Bottom width	36.00 in

Computed Results:

Depth	3.75 in
Velocity	6.56 fps
Flow area	0.94 ft2
Flow perimeter	43.49 in
Hydraulic radius	3.10 in
Top width	36.00 in
Area	1.50 ft2
Perimeter	48.00 in
Percent full	62.42 %

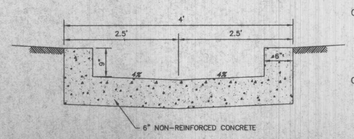
4' WIDE CONCRETE SWALE (TYPE B)
NOT TO SCALE

Given Input Data:

Flowrate	9.65 c.f.s.
Slope	0.0145 ft./ft.
Manning's n	0.013
Height	6.00 in
Bottom width	36.00 in

Computed Results:

Depth	5.20 in
Velocity	7.42 fps
Flow area	1.30 ft2
Flow perimeter	46.41 in
Hydraulic radius	4.04 in
Top width	36.00 in
Area	1.50 ft2
Perimeter	48.00 in
Percent full	86.73 %



4 WIDE CONCRETE SWALE (TYPE C)
NOT TO SCALE

Given Input Data:

Flowrate	13.25 c.f.s.
Slope	0.006 ft./ft.
Manning's n	0.0130
Height	9.00 in
Bottom width	36.00 in

Computed Results:

Depth	7.01 in
Velocity	7.49 fps
Flow area	1.77 ft2
Flow perimeter	50.16 in
Hydraulic radius	5.08 in
Top width	36.00 in
Area	2.25 ft2
Perimeter	54.00 in
Percent full	78.64 %

E:\DWG\7000PLDS\7218E-Pheasant Point Apartments\7218econ.dwg Tue Oct 03 11:03:57 2000 STATION 11 SCOTT L.