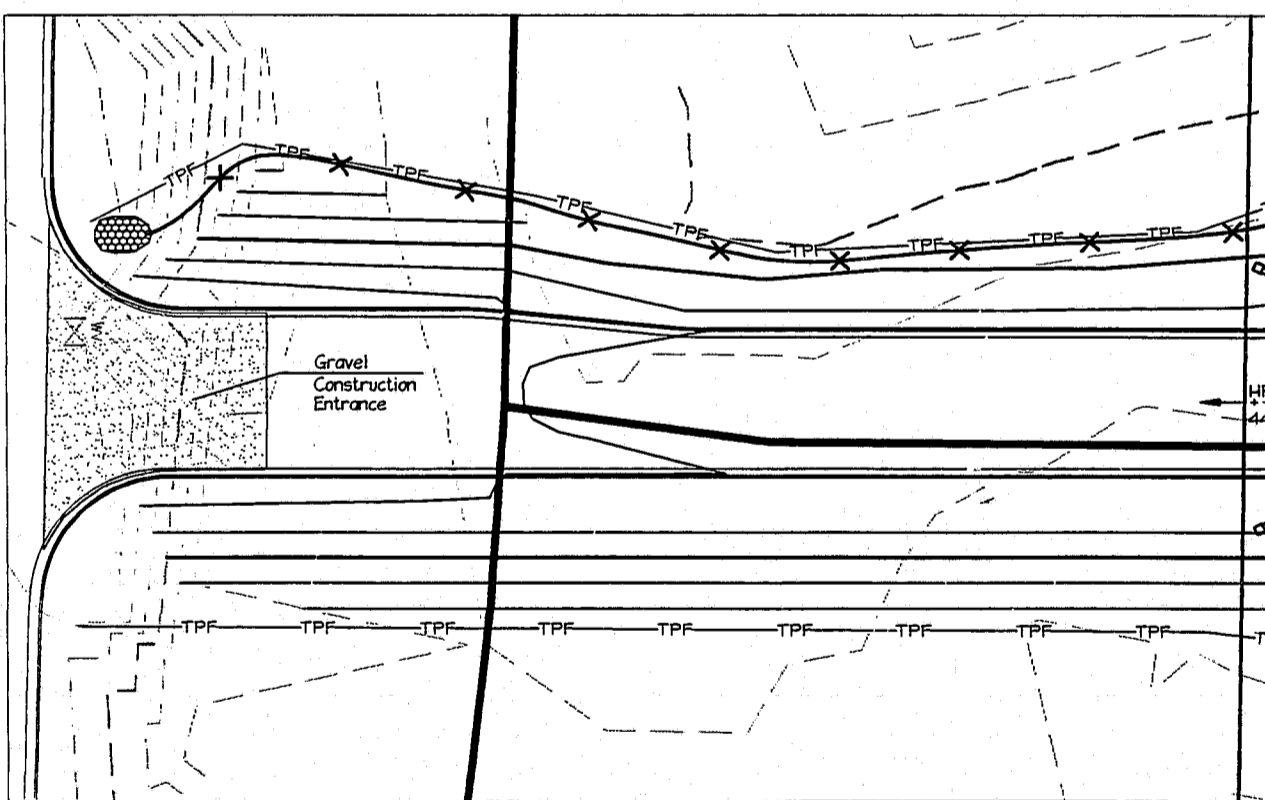


**Legend**

- Temporary filter basin
- Protected drainage structure
- Permanent swale
- Temp. diversion ditch
- Silt fence

**Sediment Traps**

Disturbed area	FES into Trap	Area from FES in	Trap sized for area	Required storage	Dimensions	height	width	length	Provided storage	Weir width
SBI1	2.62 ac	none	n/a	2.62 ac	4,720 cf	3.5'	26'	52'	4,720 cf	8.0'
SBI2	2.23 ac	FES-G6	2.92 ac	2.92 ac	5,250 cf	3.5'	44'	34'	5,250 cf	8.0'
SBI3	0.67 ac	FES-F2	1.15 ac	1.15 ac	2,070 cf	3.5'	16'	35'	2,070 cf	6.0'
SBI4	4.65 ac	FES-E2 and D3	2.05 ac	4.65 ac	8,370 cf	3.5'	35'	64'	8,370 cf	12.0'
SBI5	2.20 ac	FES-C3	2.16 ac	2.20 ac	3,960 cf	3.5'	24'	48'	3,960 cf	8.0'
SBI6	2.71 ac	none	n/a	2.71 ac	4,880 cf	3.5'	26'	53'	4,880 cf	8.0'
SBI7	2.05 ac	none	n/a	2.05 ac	3,960 cf	3.5'	23'	46'	3,960 cf	8.0'
SBI8	4.14 ac	none	n/a	4.14 ac	7,450 cf	3.5'	33'	65'	7,450 cf	12.0'
SBI9	1.75 ac	none	n/a	1.75 ac	3,150 cf	3.5'	21'	42'	3,150 cf	6.0'
SBI10	0.57 ac	FES-A5	2.68 ac	2.68 ac	4,820 cf	3.5'	26'	52'	4,820 cf	8.0'
SBI11	0.65 ac	none	n/a	0.65 ac	1,170 cf	3.5'	13'	26'	1,170 cf	4.0'
SBI12	0.44 ac	FES-H2	1.00 ac	1.44 ac	2,540 cf	3.5'	19'	38'	2,540 cf	6.0'

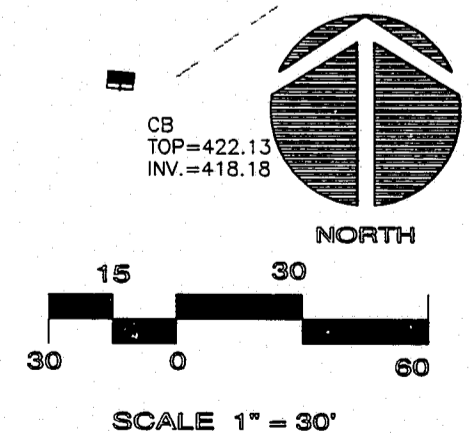


Inset 1" = 30'

**Outlet Protection**

structure number	pipe dia. (d <sub>o</sub> )	stone class	thickness	beginning width (3d <sub>o</sub> )	ending width	length
FES-A5	15"	10" class B	24"	45'	14'	37'
FES-B7	42"	10" class B	24"	10.5'	12'	20'
FES-C3	15"	10" class B	24"	45'	20'	16'
FES-D3	15"	4" class A	12"	see sheet II		
FES-E2	15"	4" class A	12"	see sheet II		
FES-F2	15"	4" class A	12"	45'	14'	10'
FES-G6	24"	10" class B	24"	72"	24"	23'
FES-H2	15"	3" class A	12"	45'	14'	10'
FES-J8	18"	10" class B	24"	54"	24"	10'
FES-K2	24"	6" class B	24"	72"	17'	15'

ALL CLASS B STONE HAS A 4" #57 STONE BED



REV#	DESCRIPTION	DATE

DESIGNED	MRB
DRAWN	MRB
CHECKED	TCC
PROJ. ENG.	

**MCKIM & CREED**  
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**WATERFORD FOREST APARTMENTS**  
 CARY, NC

**SEDIMENTATION AND EROSION CONTROL**

CONSTRUCTION DRAWINGS		SCALE	SHEET NO.
DATE: 24 FEB 95	HORIZONTAL: 1" = 30'	15 30 60	13
MICE PROJ #0976-0007	VERTICAL: 1" = 30'		
DWG FILE #568F4501			DF: 27