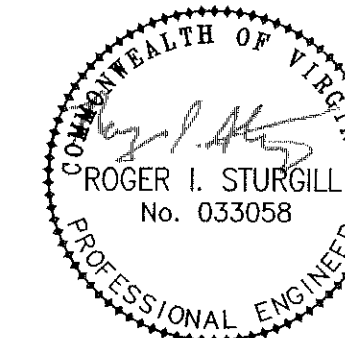




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New Century Industrial Park

Grading and Erosion Control Plan

Hollins District
ROANOKE COUNTY, VIRGINIA

DRAWN BY: SMH

DESIGNED BY: SMH

CHECKED BY: RIS

DATE: 2-28-05

REVISIONS:

4-15-05
5-15-05
5-27-05
6-7-05
6-8-05
7-5-05
7-29-05

SCALE: 1"= 40'

SHEET NO.

C4

JOB NO.

R0500002.00

STORM SEWER STRUCTURE SCHEDULE

- 48 LF 36" DIA RCP
AT 2.9 % W/ ES-1
INV IN = 1065.00
INV OUT = 1063.60
- STORM WATER MANAGEMENT RISER
5' DIA RCP W DI-7 TOP
TOP = 1072.50
(SEE DETAIL)
- 45 LF 36" DIA RCP
AT 7.77 % W/ ES-1
INV IN = 1073.50
INV OUT = 1070.00
- STORM MANHOLE MH-1 W/IS-1
TOP = 1083
- 223 LF 36" DIA RCP
AT 1.97 % W/ EW-1
INV IN = 1078.00
INV OUT = 1073.6
- 144 LF 24" DIA RCP
AT 3.4 %
INV IN = 1081.00
INV OUT = 1076.10
- STORM MANHOLE MH-1
TOP = 1087.75
- 73.12 LF 24" DIA RCP
AT 1.16 % W/ ES-1
INV IN = 1069.15
INV OUT = 1068.25
- STORM MANHOLE MH-1 W/IS-1
TOP = 1075.00
- 37 LF 24" DIA RCP
AT 3.1 %
INV IN = 1071.40
INV OUT = 1071.03
- DI 3-B INSTALLED ON GRADE W/IS-1
LENGTH=10'
TOP = 1076.50
- 57.5 LF 18" DIA RCP
AT 0.88 %
INV IN = 1072.00
INV OUT = 1071.50
- DI 3-B INSTALLED ON GRADE
LENGTH= 12'
TOP = 1076.00
- 55 LF 48" DIA RCP (3 EACH) SEE NOTE THIS SHEET
AT 1.8 % W/ ES-7
INV IN = 1057.50
INV OUT = 1056.50
- 23 LF 18" DIA RCP
AT 3.9 % W/ ES-1
INV IN = 1058.90
INV OUT = 1058.00
- DI 3-C INSTALLED AT LOW POINT W/IS-1
LENGTH= 8'
TOP = 1065.00
- 40 LF 15 DIA RCP
AT 1.0 %
INV IN = 1059.40
INV OUT = 1059.00
- DI 3-C INSTALLED AT LOW POINT
LENGTH=8'
TOP = 1065.00

OUTLET PROTECTION CHART

- STR # 1
EC-1 CLASS II RIPRAP
MIN 3' DEPTH
LENGTH APRON = 12'
WIDTH OF APRON = 15'
- STR # 3
EC-1 CLASS II RIPRAP
MIN 3' DEPTH
LENGTH APRON = 15'
WIDTH OF APRON = 18'
- STR # 8
EC-1 CLASS I RIPRAP
MIN 2' DEPTH
LENGTH APRON = 8'
WIDTH OF APRON = 10'
- STR # 15
EC-1 CLASS 1 RIPRAP
MIN 3' DEPTH
LENGTH APRON = 15'
WIDTH OF APRON = 18'

NOTE: RIPRAP SHALL BE
PLACED IN BANKS ONLY,
NOT IN EXISTING CHANNEL

NOTE: SEDIMENT TRAP #2 AND #3 TO BE INSTALLED
AFTER THE ROAD IS BROUGHT TO GRADE AND CURB
AND GUTTER INSTALLED. THESE TRAPS ARE NOTED AS
PHASE 2. TIE ALL APPROPRIATE DIVERSION TO THE PHASE 2
TRAPS ONCE INSTALLED.

EROSION CONTROL LEGEND

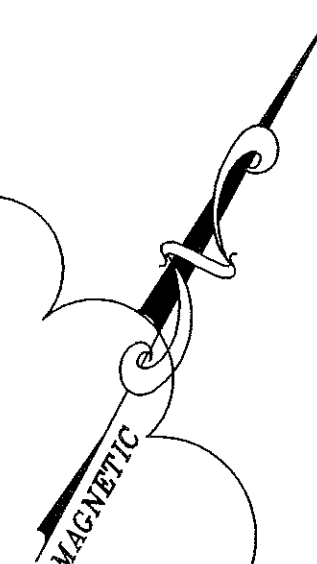
3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE
3.09	TEMPORARY DIVERSION DIKE	DD
3.18	OUTLET PROTECTION	OP
3.11	TEMPORARY RIGHT OF WAY DIVERSION	RWD
3.05	SILT FENCE	SF
3.13	TEMPORARY SEDIMENT TRAP	ST
3.32	PERMANENT SEEDING	PS
3.35	MULCHING	MU

SEDIMENT TRAP DATA

TRAP 1	60'L X 30'W X 3'D
TRAP 2	60'L X 30'W X 3'D
TRAP 3	30'L X 15'W X 4'D

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.



0.20 MI TO RT 115
FRIENDSHIP
RT 1895

SANITARY SEWER MANHOLE
TOP ELEV.=1071.2'
INV. IN=1061.1'
INV. OUT=1061.0'
SHELF=1062.1'

T.M. #18.18-3-5

