

BUILD DRAINAGE ON TEMP CUL-DE-SAC TO PERMANENT STANDARDS & ELEVATIONS EXCEPT INLET 5-5. INLET 5-5 SHALL HAVE A 0.75 GRATE FOR TEMP CUL-DE-SAC WHICH WILL BE REPLACED WITH A 14" X 20" TOP FOR PERM DRAINAGE PIPES TO BE EXTENDED FOR PERM CONST.

CURB AND GUTTER TO BE BUILT SO WATER WILL DRAIN THRU 2" OPENING IN CURB INTO INLET 5-5.

NOTE: PERMANENT DRAINAGE MUST BE INSTALLED TO THE STORM WATER DETENTION BASIN (SH. 5) WITHIN THE PERIOD OF ONE YEAR STARTING JUNE, 1989

STA. 33+50 - STAGE II CONSTRUCTION STAGE IA CONSTRUCTION

NOTE: IF SITES ARE DEVELOPED IN CONJUNCTION WITH THE ROADWAY CONSTRUCTION, SOME DRAINAGE ITEMS WILL NOT BE REQUIRED. THE DELETION OF THOSE ITEMS MUST BE APPROVED BY THE ENGINEER.

STORM DRAIN SCHEDULE												
STRUCT. NO.	TYPE	LENGTH	INV. IN	H. or D.	FROM POINT	TO POINT	PIPE SIZE	LENGTH	INV. IN	INV. OUT	SLOPE	REMARKS
G-1	D1-3B	70'	1221.39	4.67	G-1	5-5	24"	164'	1221.39	1215.90	0.335	STD. ES-1 LT.
G-4	D1-3B	10'	1237.18	3.92	G-4	OUTLET	16"	80'	1237.18	1236.50	0.0085	

* 24" PIPE TO BE RELAID UPON REMOVAL OF CUL-DE-SAC TO INV. OUT EL. 1214.00

DETAIL B TEMPORARY CUL-DE-SAC

MATCH LINE STA 34+50 SHEET 4

PERMANENT LANDSCAPE EASEMENT

38+25.00 P.O.T. VALLEYPOINTE PKWY
38+51.53 P.O.T. CONCOURSE DRIVE
41=90°00' LT

C-14
A=80°22'18.21" RT.
D=13.7578'
T=391.16'
L=584.19'
R=416.96'
P.C. 37+25.39
P.T. 37+77.15
P.C. 35+09.58
L.S.=200'
E=0.0344 FT/FT
V=25 M.P.H.

C-13
A=36°47'58" RT.
D=10.5515'
T=190.59'
L=367.99'
R=572.96'
P.C. 33+16.94
P.T. 35+07.53
P.T. 36+84.93
L.S.=200'
E=0.04 FT/FT
V=40 M.P.H.

C-12
A=71°12'32" LT.
D=10'
T=107.27'
L=200.00'
R=572.96'
P.C. 33+35.23
P.T. 40+42.50
P.T. 41+47.32
L.S.=200'
E=0.04 FT/FT
V=40 M.P.H.

C-11
A=20°00'00" RT.
D=10'
T=101.03'
L=200.00'
R=572.96'
P.C. 35+09.58
P.T. 36+10.62
P.T. 37+09.58
L.S.=200'
E=0.03 FT/FT
V=25 M.P.H.

6-2 104'-18" CONC. PIPE REQ'D (11' COVER)
INV IN 1239.0 INV OUT 1230.0
SKEW=20°
STD. ES-1 REQ'D RT & LT
STD. EC-1 TYPE A REQ'D LT

6-3 144'-36" CONC. PIPE REQ'D (15' COVER)
INV IN 1224.0 INV OUT 1218.0
SKEW=45°
STD. EW-1 REQ'D RT & LT
STD. EC-1 TYPE A LT

NOTE:
FOR SLEEVE LAYOUT
SEE SH. 2.

NOTE: FIGURES IN BRACKETS AND DOT-DASHED LINES DENOTE PERMANENT CONSTRUCTION EASEMENT

- DENOTES TEMPORARY FILTER BARRIER

REVISION	DATE	DESCRIPTION	BY	APP
4	5/90	REMOVED RESEARCH RD - ADDED REVISED CONCOURSE DRIVE	JLS	JSH
3	11/88	UTILITY SLEEVES ADDED	JLS	JSH
2	11/88	TEMP. CUL-DE-SAC ADDED ON RESEARCH RD.	JLS	JSH
1	11/88	VALLEYPOINTE DR. REMOVED, RESEARCH RD. ADDED	JLS	JSH
DESIGNED JLS				
DRAWN J.C.S.				
CHECKED JLS				
APPROVED JPB				
SUBMITTED JPB				
HAYES, SEAY, MATTERN & MATTERN		LINGERFELT DEVELOPMENT CORPORATION		
ARCHITECTS - ENGINEERS - PLANNERS		VALLEYPOINTE - PHASE I		
ROANOKE, VIRGINIA		STAGE IA		
		ROADWAY PLANS		
		SCALE 1"=50'	COMM. NO. 5268 B	
		DATE JUNE 1988	SHEET 6	