		I HEREBY CERTIFY THAT THE FOREGOING ESTIMATE REFLECTS THE ÇURRE	ESTIMATED TOTAL		FLOAT SWITCH, ELECTRIC, PIPING  10% CONTINGENCY	90 GPM PUMP	STORMWATER MANAGEMENT	AS-BUILT PLANS		STANDARD MANHOLE W/FRAME & COVER	8" SANITARY SEWER		-IN. GATE VALVES, W/VAULT, FRAME & COVER -IN. GATE VALVES, W/VAULT, FRAME & COVER	& COVER	6" WATER LINE	8" WATER LINE		-IN. SUBBASE MATERIAL	-IN. BIT. CONC.: TYPE SIN. BASE MATERIAL	SURFACE TREATMENT -IN. BIT. CONC.: TYPE B-	GRAVEL SHOULDER	GRAVEL BASE	CURB & GUTTER CG6	2 ITTED	-IN. END SECTION ES-	THE CONTROL PROPERTY OF THE PARTY OF THE PAR		SODDED SWALE	DIDDAD - CLASS	PAVED DITCH	30 - IN RCP		-IN. C.M. CULVERT	18 -IN. CONCRETE PIPE, CLASS IV	15 -IN. CONCRETE PIPE, CLASS III	MANHOLE MH-		CURB INLET DI-	EMBANKMENT	CLEARING AND GRUBBING EXCAVATION	QUANTITY + CC
		RENT IMPROVEMENT COSTS OF THIS PROJECT.	696,003		1 LUMP SUM 5,000 5,000 1 LUMP SUM 4,000 4,000 63,273	LUMP SUM 1,500		1 LUMP SUM 2,250 2,250	EACH	3062.5	1772 LIN. FT. 40 70,880		EACH EACH	4 EACH 2750 11,000 EACH	LIN. FT.	1500 LIN. FT. 43.7 65,600		C.Y.	S.Y. ,	14000 S.Y. 12.7 178,000	S.Y.	0 TN 0 0	3200 LIN. FT. 25 80,000		EACH			1400 S.Y. 5 7000		IN ET	0 LIN. FT. 0 0		LIN. FT.	LIN. FT. 0		2 EACH 3500 7,000 EACH		10 EACH 3850 38500 EACH	С.Ү. 0	e ITY	TIMATE for PHASE 2
TOWNE DRIVE NORTH AND SOUTH PLAN AND PROFILE LARYN LANE EAST AND WEST PLAN AND PROFILE LEIGH LANE NORTH AND SOUTH PLAN AND PROFILE	PROJECT ROAD CROSS SECTIONS  PAVEMENT MARKING PLAN  43	4.2 4.2	-30 SCALE UTILITY PLAN (NORTH) 40 30 SCALE UTILITY PLAN (SOUTH) 41 42 43 44 45 45 46 46 46 46 46 46 46 46 46 46 46 46 46	30 SCALE GRADING PLAN (EAST) 30 SCALE GRADING PLAN (NORTH) 38 OVERALL UTILITY PLAN	. 35	30 SCALE SITE (EAST)  30 SCALE SITE (EAST)  34	VDOT SIGHT TRIANGLES  OVERALL SITE PHASING PLAN  * 32	1. COVER SHEET  2. EXISTING CONDITIONS AND DEMOLITION PLAN  3. EXISTING BOUNDARY MAP  4. PROPOSED SUBDIVISION & EASEMENT MAP  1. COVER SHEET  27. WATER LINE A PLAN AND PROFILE  28. WATER LINE E PLAN PROFILE SHEET  30. SANITARY SEWER A PLAN AND PROFILE	r any retaining wall over 2 feet in height. All permitted	Ild changes including new alignments, change in oles shall be done without the approval of the colors.	in VDOT Right of Way.	nd Bridge Standards.  shall repair or replace any existing structures damaged during connection t	sign, design criteria etc. shall be reviewed and approved by the County. Culverts located in VDOT Right of Way and Easements shall conform to <u>2</u> C	n shall conform to Roanoke County standards.  Permit is required by Roanoke County. Prior to	skes shall be set for all curb and gutter, culvert, sanitary sewer	and flood plain informa	rections : Virainia V	All work shall be subject to inspection by Roanoke County, Western Virginia Water Authority and/or V.D.O.T. inspectors.	~	than ten (10) working days in advance. Area public utilities may be notified through "Miss Utility": 1—800—552—7001.	actors shall notify utilities of proposed construction at least two (2), but I	nd/or contractor shall supply all utility companies with copies	The contractor shall provide adequate means of cleaning mud from trucks and/or other equipment prior to entering public streets. It is the contractors responsibility to insure that the streets are in a clean, mud and dust free condition at all times.	ris shall be containerized in accordance with the Virginia Litter Co e litter receptacle shall be provided on site.	et and traffic control signs shall be erected at each intersection by the r to final street acceptance.	be capped and piped to the nearest storm sewer or natural e 6 inch minimum diameter and conform to V.D.O.T. Standard	V.D.O.T	hes or grades of more than 5 percent shall be paved with c limits as indicated on the plans and as required at the field	ring Division prior to placement. CBR values < 7 and t sections.	s on approved plans are based on a minimum CBR of 7 and an RF be performed by the engineer and submitted to V.D.O.T. and to the	All unsuitable material shall be removed from the construction limits of the roadway before placing embankment.	struction shall honor proposed drainage divides as sh	A permit must be obtained from the V.D.O.T. Salem Residency Office prior to construction in the highway right—of—way.  Plan approval does not guarantee issuance of any permits by V.D.O.T. An approved set of plans and all permits must be available at the construction site.	ntrol erosion and siltation must be provided prior to p no way relieves the developer or contractor of the n the erosion and siltation control policies.	A pre—construction conference should be scheduled with the Roanoke County Engineering Division, and Western Virginia Water Authority to be held at least one (1) day prior to any construction.	Installing water lines Installing sanitary sewer	•	D. Installing storm sewers or culverts  E. Setting curb and gutter forms  F. Placing curb and gutter	A. Installation of approved erosion control devices  B. Clearing and grubbing C. Subgrade excavation	The contractor or developer is required to notify the Roanoke County Engineering Division, Western Virginia Water Authority in writing at least three (3) days prior to any construction, including, but not limited to the following:	All construction methods and materials shall conform to the Construction Standards and Specifications of Roanoke County, Western Virginia Water Authority, and/or the Virginia Department of Transportation (V.D.O.T.).
	TAX MAP NO(S) 067.17-01-01.00-0000; 067.17-01-01.05-0000 BLOCK NO(S)	ENGINEER, ARCHITECT OR SURVEYOR (name, address, telephone) MIKE MORGAN ENGINEERING, LLC, 14350 SOMMERVILLE COURT, MIDLOTHIAN		DEVELOPER (name, address, telephone) HIDDEN VALLEY VILLAS, LLC, 5041—A BENOIS ROAD, ROANOKE, VIRGINIA	HIDDEN VALLEY VILLAS, LLC, 5041—A BENOIS ROAD, ROANOKE, PERSON: VICTOR FOTI, 5041—A BENOIS ROANOKE, VIRGINIA 24014,	3	MAGISTERIAL DISTRICT(S)	NAME OF DEVELOPMENT THE TOWNES AT HIDDEN VALLE.		COULT			Proposed Storm Sewer  Proposed Sanitary Sewer  8" M.H.		Proposed Contour ————————————————————————————————————	Conto	Sanitary Sewer8" san8" s	storm Sewer18" s.p	Centerline ————————————————————————————————————	Right—of—way			Cydiability lidilibei. 07-239	1	Water main shall be minimum Class 52 Ductile Iron in accordance to AWWA C151 or DR-14 PVC in accordance with AWWA C-900.  All water connections to existing lines shall be coordinated with and	Lines shall be staked prior to construction.	All trenches in existing or future highway right—of—ways shall be compacted	All existing utilities may not be shown or may not be shown in the exact location. The contractor shall comply with the State Water Works Regulations, Section 12.05.03, where lines cross.	Contractor shall be responsible for locating and uncovering valve vaults after paving and adjustment to final grade if necessary.	A minimum cover of three (3) feet is required over proposed lines.	All water and sanitary sewer facilities are to be installed according to the Western Virginia Water Authority Design and Construction Standards.	WATER NOTES	All sanitary sewer connections to existing lines shall be coordinated with and performed by the Western Virginia Water Authority.	to V.D.O.T. standards.  Lines shall be staked prior to construction.	ipe s	Laterals from manholes shall be PVC or Ductile Iron of sufficient length to	House connections are to be made with 4" pipe installed at a minimum grade of 1/4 inch to 1 foot in Right of Way (R/W)	All existing utilities may not be shown or may not be shown in the exact location. The contractor shall comply with State Water Works Regulations, Section 12.05.03, where lines cross.	Contractor shall be responsible for locating and uncovering all manholes after paving. Manhole tops shall be adjusted to grade if necessary.	All water and sanitary sewer facilities are to be installed according to the Western Virginia Water Authority Design and Construction Standards.  A minimum cover of three (3) feet is required over proposed lines.	
	) O LARYN LANE PARCEL NO(S)	IIAN, VIRGINIA 23113, (540)239—2080		IIA 24014, (540) 345—9600	VIRGINIA 24014, (540) 345-9600 (540) 345-9600	S MODIFIED IN ACCORDANCE WITH LOCAL LA	APPLICABLE COUNTY CODES. I HEREBY CERTIFY THAT I AGREE TO COMPLY WITH THESE REQUIREMENT	I, Z/LZ J. J.Z. OWNER/DEVELOF  AWARE OF THE SITE DESIGN REQUIREMEN  BY THIS SITE DEVELOPMENT PLAN AND O		OF ROANOKE						TOWNES									is mapping to be accurate and	The professional seal and signature below certifies the boundary survey and	dated revised 21 APRIL 1997	agted:	POGRAPHICAL INFORMATION ROANOKE CO	All elevations must be referenced to the National Geodetic Vertical Datum of 1929.	Horizontal and vertical control surveys were performed in 1997	SURVEY INFORMATION	/ICINITY	Hidden Valley Court	The or of the store of the stor	I Mo Con Con Con Con Con Con Con Con Con Co			WALTON IN WALTON IN THE WALTON	SITE	We saliman Foliest Cit (419)

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2006-125
DRAWN BY:
DLC
DATE
03/20/07

SITE DEVELOPMENT PLAN
FOR
THE TOWNES AT HIDDEN VALLEY
WINDSOR HILLS DISTRICT, ROANOKE COUNTY, VIRGINIA



