4750 4750 4750 4750 4750 4750 4750 4750						
NOTE: COST ESTIMATES SHOWN ABOVE WERE BONDED WITH "	GRADING AND ER	SION AND SEDIM	NT CONTROL PLA	N" FOR "THE FAR	M"	
DATED "FEB. 14, 2007" WITH A LAST REVISION DATE OF "MA	RCH 29, 2007",	HESE COSTS ARE	NOT INCLUDED II	THE TOTAL BELO)W.	•
EC3, TYPEB LINING	196	S.Y.	10.00		\$	1,960.0
15" REINFORCED CONCRETE PIPE	214	LIN. FT.	25.00		\$	5,350.0
24" REINFORCED CONCRETE PIPE	103	LIN. FT.	30.00		\$	3,090.
15" ES-1	3	EACH	400.00		\$	1,200.0
24" ES-1 / EW-1	4	EACH	800.00		\$	3,200.0
CURB INLET DI— 3	1	EACH	1,200.00		\$	1,200.0
DROP INLET DI— 7	2	EACH	750.00		\$	1,500.0
VDOT SWM-1 W/DI-7, TR. RACK AND ORIFICE PLATE	1	EACH	1,500.00		\$	1,500.
8" WATER LINE	4310	LIN. FT.	18.00	;	\$	77,580.0
6" WATER LINE	2416	LIN. FT.	16.00		\$	38,656.0
4" WATER LINE	3722	LIN. FT.	12.00	,	\$	44,664.0
FIRE HYDRANT ASSEMBLIES	10	EACH	1,500.00		\$	15,000.0
BLOW OFFS W/VAULT, FRAME & COVER	5	EACH	600.00		\$	3,000.
8" GATE VALVES, W/VAULT, FRAME & COVER	15	EACH	600.00		\$	9,000.
AIR RELEASE ASSEMBLY W/ FRAME & COVER	2	EACH	600.00		\$	1,200.
6" GATE VALVES, W/VAULT, FRAME & COVER	7	EACH	500.00		\$	3,500.
4" GATE VALVES, W/VAULT, FRAME & COVER	4	EACH	450.00		\$	1,800.
MISC. TEES, BENDS, REDUCERS, SLEEVES	1	LUMP SUM	27,400.00		\$	27,400.
RESIDENTIAL SERVICE, SINGLE	69	EACH	200.00		\$	13,800.
JACK & BORE	234	EACH	120		\$	28,080.

RESIDENTIAL SERVICE, SINGLE	69	EACH	200.00	\$ 13,800.00
JACK & BORE	234	EACH	120	\$ 28,080.0
ASPHALT PAVEMENT WITH AGGREGATE BASE	12537	S.Y.	12.00	\$ 150,444.0
6'-WIDE GRASS-SWALE # 1	177	LIN. FT.	50.00	\$ 8,850.0
6'-WIDE GRASS-SWALE # 2	74	LIN. FT.	50.00	\$ 3,700.0
4'-WIDE GRASS-SWALE # 3	84	LIN. FT.	35.00	\$ 2,940.0
BIO-RETENSION AREA	1	LUMP SUM	35,000.00	\$ 35,000.00
EXTENDED DETENSION FACILITY # 1	1	LUMP SUM	10,000.00	\$ 10,000.00
OUT SENOE	0.570		7.00	A 7 700 00
SILT FENCE	2,576	LIN. FT.	3.00	\$ 7,728.00
INLET PROTECTION	4	EACH	350.00	\$ 1,400.00
OUTLET PROTECTION	6	EACH	350.00	\$ 2,100.00
CULVERT INLET PROTECTION	2	EACH	350.00	\$ 700.00
TEMPORARY & PERMANENT SEEDING, MULCHING, ETC.	6	ACRE	1,500.00	\$ 9,000.00
				•
SUBTOTAL				\$ 514,542

HEREBY CERTIFY THAT THE FOREGOING ESTIMATE REFLECTS THE CURRENT IMPROVEMENT COSTS OF THIS PROJECT.

GENERAL NOTES

- 1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE MOST CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF FRANKLIN COUNTY AND/OR THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT), WHICHEVER IS MORE STRINGENT. STREETS MUST ALSO CONFORM TO THE MOST CURRENT VDOT SUBDIVISION STREET SPECIFICATIONS/STANDARDS.
- 2. ALL CONSTRUCTION METHODS AND MATERIALS MUST BE IN ACCORDANCE WITH JANUARY 1987 VDOT ROAD AND BRIDGE SPECIFICATIONS.
- 3. MEASURES TO CONTROL EROSION AND SILTATION MUST BE PROVIDED FOR PRIOR APPROVAL. PLAN APPROVAL IN NO WAY RELIEVES THE DEVELOPER OR CONTRACTOR OF THE RESPONSIBILITIES CONTAINED IN THE EROSION AND SILTATION CONTROL POLICIES.
- 4. AN ENTRANCE PERMIT MUST BE OBTAINED FROM THE VDOT RESIDENCY OFFICE, FRANKLIN COUNTY, PRIOR TO CONSTRUCTION IN THE HIGHWAY RIGHT—OF—WAY.
- 5. PLAN APPROVAL DOES NOT GUARANTEE ASSURANCE OF ANY PERMITS BY THE VDOT.
- An approved set of plans and all permits must be available at the construction site.
- 7. FIELD CONSTRUCTION SHALL HONOR PROPOSED DRAINAGE DIVIDES AS SHOWN ON PLAT.
- 8. ALL UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE CONSTRUCTION LIMITS OF THE ROADWAY BEFORE PLACING EMBANKMENT
- 9. ALL SPRINGS SHALL BE CAPPED AND PIPED TO THE NEAREST NATURAL WATERCOURSE. THE PIPE SHALL BE 6" (SIX INCH) MINIMUM DIAMETER AND CONFORM TO VDOT STANDARD SB-1, UNLESS OTHERWISE STATED IN A REVIEW BY THE VDOT OR AS DETERMINED BY THE PROJECT ENGINEER.
- 10. CONSTRUCTION DEBRIS SHALL BE CONTAINERIZED IN ACCORDANCE WITH VIRGINIA LITTER CONTROL ACT. NO LESS THAN ONE LITTER RECEPTACLE SHALL BE PROVIDED ON SITE.
- 11. A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE WILL BE REQUIRED AT INTERSECTION OF SUBDIVISION STREETS AND PUBLIC STREETS AND HIGHWAYS.
- 12. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING MUD FROM TRUCKS AND/OR OTHER EQUIPMENT PRIOR TO ENTERING PUBLIC STREETS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT STREETS ARE IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.
- 13. THE DEVELOPER AND/OR CONTRACTOR SHALL SUPPLY ALL UTILITY COMPANIES WITH COPIES OF APPROVED PLANS, ADVISING THEM THAT ALL GRADING AND INSTALLATION SHALL CONFORM TO APPROVED PLANS.
- 14. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHOWN ON PLANS IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON PLAN. IF THERE APPEARS TO BE A CONFLICT, AND UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THIS PLAN, CALL "MISS UTILITY" OF CENTRAL VIRGINIA AT 1—800—552—7001.
- 15. UTILITY LOCATION SHALL BE SHOWN ON PLAT AND LOCATION APPROVED BY VDOT PRIOR TO PLACEMENT.
- 16. ALL UTILITIES TO BE IN PLACE PRIOR TO LAYING BASE MATERIAL AND SHALL BE ENCASED. THE DEVELOPER IS ENCOURAGED TO UTILIZE THE P.U.E. (PUBLIC UTILITY EASEMENT) FOR THE PLACEMENT OF PARALLEL POWER, TELEPHONE, WATER AND SEWER FACILITIES.
- 17. ANY EASEMENTS GRANTED TO A UTILITY COMPANY, PUBLIC OR PRIVATE, FOR PLACEMENT OF UTILITIES MUST BE RELEASED PRIOR TO ACCEPTANCE. IN ORDER TO MEET PUBLIC SERVICE REQUIREMENTS, ALL STREETS MUST SERVE A MINIMUM OF THREE (3) DWELLINGS PRIOR TO ACCEPTANCE.
- 18. THE DEVELOPER SHALL PROVIDE THE COUNTY AND VDOT WITH A LETTER FROM A LICENSED LAND SURVEYOR CONFIRMING THAT THE STREETS, RIGHTS-OF-WAY, AND EASEMENTS SUBSTANTIALLY CONFORM TO THE CONSTRUCTION PLANS AND SUBDIVISION PLAT. SUFFICIENT DEVIATION OF ACTUAL STREET LOCATION FROM PROPOSED CONSTRUCTION PLANS SHALL REQUIRE SUBMITTAL OF AS-BUILT PLANS FOR REVIEW AND APPROVAL PRIOR TO FINAL ACCEPTANCE FOR ADDITION TO THE VDOT ROAD AND STREET SYSTEM.
- 19. ALL WORK SHALL BE SUBJECT TO INSPECTION BY FRANKLIN COUNTY AND VDOT INSPECTORS.
- 20. FIELD CORRECTIONS OR DEVIATIONS FROM PLANS APPROVED "FOR CONSTRUCTION ONLY" SHALL BE APPROVED BY THE VDOT PRIOR TO SUCH CONSTRUCTION.
- 21. 100 YEAR FLOODWAY AND FLOOD PLAIN SHALL BE SHOWN WHERE APPLICABLE.
- 22. MINIMUM LOT FRONTAGES SHALL BE IN ACCORDANCE WITH CURRENT FRANKLIN COUNTY SUBDIVISION AND ZONING ORDINANCES.
- 23. ALL ROADSIDE DITCHES SHOWN AS PAVED ON PLANS ARE TO BE PAVED IN ACCORDANCE WITH STANDARD TYPICAL SECTION AS SHOWN ON PLANS, WILL BE DETERMINED PRIOR TO ACCEPTANCE OF THE ROADS INTO THE VDOT SECONDARY ROAD SYSTEM.
- 24. ALL DRAINAGE FACILITIES OR OTHER ROADWAY FACILITIES TO BE MAINTAINED BY THE DEPARTMENT MUST BE CONTAINED WITHIN THE STREET RIGHT-OF-WAY OR WITHIN THE VDOT APPROVED EASEMENT.
- 25. ALL DRAINAGE OUTFALL EASEMENTS WILL BE TWENTY (20) FEET WIDE.
- 26. FIELD REVIEW WILL BE MADE DURING CONSTRUCTION TO DETERMINE THE NEED AND LIMITS OF ADDITIONAL DRAINAGE EASEMENTS. ALL DRAINAGE EASEMENTS. ALL DRAINAGE EASEMENTS MUST BE CORRECTED BY ANY MEANS NECESSARY PRIOR TO SUBDIVISION ACCEPTANCE. THE FIELD REVIEW WILL ALSO DETERMINE THE EXTENT OF OUTFALL DITCHES AND ASSOCIATED EASEMENTS, THE NEED OF ADDITIONAL OUTFALL DITCHES AND EASEMENTS, AND THE DIMENSIONS OF SAME.
- 27. CLEARING AND GRUBBING SHALL BE COMPLETED WITHIN THE RIGHTS—OF—WAY AS INDICATED ON THE LAYOUT PLAN.
- 28. ALL VEGETATION AND OVERBURDEN TO BE REMOVED FROM SHOULDER TO SHOULDER PRIOR TO THE ESTABLISHMENT OF SUBGRADE.
- 29. EXCESS EXCAVATION TO BE DISPOSED OF AS DIRECTED BY THE ENGINEER INTO AN APPROVED WASTE AREA..
- 30. ACTUAL COPIES OF THE CBR REPORTS ARE TO BE SUBMITTED PRIOR TO THE ACCEPTANCE OF THE ROADS INTO THE SECONDARY SYSTEM. IF THE CBR VALUES ARE LESS THAN 10, THE DEVELOPER WILL BE REQUIRED TO SUBMIT FOR OUR APPROVAL HIS PROPOSED METHOD OF CORRECTION. ONE CBR TEST PER STREET WILL BE SUBMITTED. OTHERWISE, A CBR TEST WILL BE REQUIRED WHEN THE TYPE OF SUBGRADE MATERIAL CHANGES, NO CONSOLIDATED CBR VALUES WILL BE ACCEPTED. ALL CBR REPORTS MUST INDICATE STREET AND STATION NUMBER. CBR TESTS ARE TO BE TAKEN AT SUBGRADE LEVEL BY THE ENGINEERING COMPANY PERFORMING THESE TESTS. THE DESIGN ENGINEER SHALL INCORPORATE THE ACTUAL CBR VALUES IN THE CONSTRUCTION COST ESTIMATE.
- 31. THE SUBGRADE MUST BE APPROVED BY VDOT PRIOR TO PLACEMENT OF THE SURFACE.
- 32. BASE MUST BE APPROVED BY VDOT PRIOR TO THE PLACEMENT OF THE SURFACE.
- 33. AN INSPECTOR WILL NOT BE FURNISHED EXCEPT FOR PERIODIC PROGRESS INSPECTION, THE ABOVE MENTIONED FIELD REVIEWS AND CHECKING FOR REQUIRED TO POST A SURETY TO GUARANTEE THE ROAD FREE OF DEFECTS FOR ONE (1) YEAR AFTER ACCEPTANCE BY THE DEPARTMENT OF TRANSPORTATION
- 34. THE STREETS MUST BE PROPERLY MAINTAINED UNTIL ACCEPTANCE. AT SUCH TIME AS ALL REQUIREMENTS HAVE BEEN MET FOR ACCEPTANCE, ANOTHER INSPECTION WILL BE MADE TO DETERMINE THAT THE STREET HAS BEEN PROPERLY MAINTAINED.
- 35. THE CONSTRUCTION OF THE ROADWAY TO STATE STANDARDS DOES NOT MEAN THE ROADWAY WILL EVER BE ACCEPTED INTO THE VDOT SYSTEM. THE SERVICE REQUIREMENT MUST ALSO BE MET.
- 36. A MINIMUM PAVEMENT RADIUS OF TWENTY-FIVE (25) FEET IS REQUIRED AT ALL STREET INTERSECTIONS.
- 37. ALL ENTRANCE PIPES FOR PRIVATE ENTRANCES WILL BE A MINIMUM DIMENSIONS 24° X 15" UNLESS A REVIEW BY DEPARTMENTAL REPRESENTATIVES DETERMINES OTHERWISE. CONCRETE OR CORRUGATED METAL PIPE IS RECOMMENDED.
- 38. RADIUS FOR CUL-DE-SAC PAVEMENT AND RIGHT-OF-WAY MUST MEET CURRENT VDOT STANDARDS OR FRANKLIN COUNTY SUBDIVISION AND ZONING ORDINANCES, WHICHEVER IS GREATER.
- 39. ON SECTIONAL DEVELOPMENTS, THE DEPARTMENT REQUIRES SUBMITTAL OF AN OVERALL DEVELOPMENT SCHEME TO DETERMINE TRAFFIC GENERATION FIGURES AND FLOW.
- 40. UNLESS DISCUSSED WITH AND APPROVED BY VDOT'S ENGINEERS, ALL CROSSPIPE WILL HAVE A MINIMUM DIAMETER OF EIGHTEEN (18) INCHES.
- 41. INDIVIDUAL SUBDIVISION PLAN SUBMITTED MAY REQUIRE CHANGES/ADDITIONS TO THIS LIST, AS DETERMINED BY VDOT REVIEW. VDOT APPROVAL OF THESE PLANS EXPIRES THREE (3) YEARS FROM DATE OF SIGNATURES.
- 42. ALL STREET NAMES ARE TO BE REVIEWED AND APPROVED BY 9-1-1 SERVICES.
- 43. LIMITS OF STREET ROADWAY CATEGORY WILL BE NOTED ON THE SUBDIVISION PLANS FOR EACH STREET. LIMITS WILL BE FROM STREET INTERSECTION TO STREET INTERSECTION.
- 44. STOPPING DISTANCES AT GRADE CHANGES AND CURVES AND SITE DISTANCES AT STREET INTERSECTIONS WILL BE ILLUSTRATED ON THE CONSTRUCTION PLANS AND MUST CONFORM TO VDOT SPECIFICATIONS.
- 45. PRIOR TO ACCEPTANCE FOR THE VDOT ROAD AND STREET SYSTEM, THE DEVELOPER SHALL PROVIDE VDOT WITH FIVE (5) SETS OF CONSTRUCTION PLANS ILLUSTRATING THE LOCATION OF ALL UTILITIES WITHIN THE STREET RIGHTS—OF—WAY (PRIVATE OR PUBLIC TO INCLUDE SEWER LINES RUNNING FROM A PRIVATE RESIDENCE TO A DRAINAGE AREA LOCATED ON A SEPARATE LOT WHERE CROSSING OF A STREET IS REQUIRED) WITH NAMES AND ADDRESSES OF THE RESPONSIBLE PUBLIC UTILITY COMPANIES.
- 46. PRIOR TO THE TIME THE STREETS ARE CONSIDERED FOR ADDITION TO THE VDOT ROAD AND STREET SYSTEM, THE DEVELOPER SHALL PROVIDE, BY LETTER, TO VDOT THE DEED BOOK, PAGE, AND DATE OF RECORDATION OF THE SUBDIVISION IN FRANKLIN COUNTY CLERK OF THE CIRCUIT COURT'S OFFICE OF THE STREET RIGHTS-OF-WAY.
- 47. PROPOSED DENSITY (P.D.): SINGLE______ MULTI______ FAMILY_____ TRIPS PER DAY_____ TRAFFIC VOLUME PER DAY =____

SURVEY INFORMATION

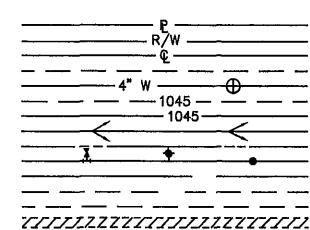
HORIZONTAL AND VERTICAL SURVEYS WERE PERFORMED IN 2005 BY LUMSDEN ASSOCIATES, P.C. ALL ELEVATIONS MUST BE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 SOURCE OF TOPOGRAPHIC MAPPING IS AERIAL MAPPING BY MCKENZIE SNYDER, INC. PERFORMED IN 2005. BOUNDARY SURVEY WAS PERFORMED BY LUMSDEN ASSOCIATES, P.C. IN 2005 THE PROFESSIONAL SEAL AND THE SIGNATURE BELOW CERTIFIES THE BOUNDARY SURVEY AND TOPOGRAPHIC MAPPING TO BE ACCURATE AND CORRECT.

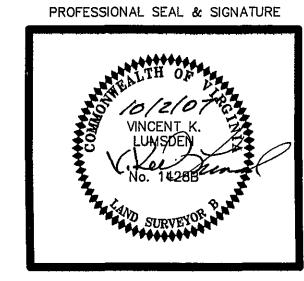
LEGEND

\$ 51,458

\$ 566,000

PROPERTY LINE RIGHT-OF-WAY CENTERLINE MINIMUM BUILDING LINE EXISTING WATER MAIN EXISTING CONTOUR PROPOSED CONTOUR PROPOSED DRAINAGE DIVIDE PROPOSED LIMITS OF CLEARING PROPOSED WATER MAIN EXISTING SEWER PROPOSED SEWER DEDICATED EASEMENT CROSSING EASEMENT





COUNTY OF FRANKLIN

NAME OF DEVELOPMENT "THE FARM" MAGISTERIAL DISTRICT(S) GILLS CREEK RKL HOLDINGS, LLC (CONTACT: RONALD WILLARD, II) P.O. BOX 540, WIRTZ, VA 24184 (540) 721-5288 DEVELOPER NAME SAME AS OWNER ENGINEER, ARCHITECT, OR SURVEYOR LUMSDEN ASSOCIATES, P.C. P.O. BOX 20669, ROANOKE, VA 24018 **ADDRESS** (540) 774-4411 TAX MAP NO(S) 48-15 AND 48-24

ZONING CLASSIFICATION R-1 AND RPD

COMM: 2005-213 SHEET _2 OF _22

10% CONTINGENCY

TOTAL

SIGNED