| | QUANTITY | | | | | ROANOKE COUNTY GENERAL NOTES All construction methods and materials shall conform to the Construction | SEWER NOTES | |
|-----------|---|---|---|----------------------------|------------|--|--|---|
| | ITEM CLEARING AND GRUBBING | QUANTITY UNIT UNIT PRICE COST B ACRES | ONDABLE | | | | Standards and Specifications of Roanoke County and/or the Virginia Department of Transportation. | A minimum cover of three (3) feet is required over proposed lines. |
| | EXCAVATION EMBANKMENT | C.Y. | | | | | The contractor or developer is required to notify the Roanoke County Engineering Division in writing at least three (3) days prior to any construction, including, but not limited to the following: | Contractor shall be responsible for locating and uncovering all manholes after paving. Manhole tops shall be adjusted to grade if necessary. |
| | CURB INLET DI-3A CURB INLET DI- | 4 EACH 1500 6000 EACH | 6000 | | | | A. Installation of approved erosion control devices B. Clearing and grubbing C. Subgrade excavation D. Installing storm sewers or culverts | 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. |
| | MANHOLE MH- | | | | | | E. Setting curb and gutter forms F. Placing curb and gutter G. Placing other concrete | House connections are to be made with 4" pipe installed at a minimum grade of 1/4 inch to 1 foot in R/W. |
| | MANHOLE MH- | EACH | | | | | H. Placing gravel base I. Placing any roadway surface J. Installing water lines K. Installing sanitary sewer lines | Laterals from monholes shall be PVC or Ductile Iron of sufficient length to provide two (2) feet of bearing on natural ground. The transition from ductile iron to asbestos cement or concrete pipe |
| | 24 - IN. ADS PIPE 18 -IN. CONCRETE PIPE | LIN. FT. | | | | | A pre-construction conference should be scheduled with the Roonoke County Engineering Division, to be held at least one (1) day prior to any construction. | shall be made with an adapter coupling in R/W. All trenches in existing or future rights—of—way shall be compacted |
| | 18 — IN. ADS PIPE | LIN. FT. | | | | | Measures to control erosion and siltation must be provided prior to plan approval. Plan approval in no way relieves the developer or contractor of the responsibilities contained within the erosion and | according to V.D.O.T. standards. Lines shall be staked prior to construction. |
| | -IN. C.M. CULVERT -IN. C.M. CULVERT | LIN. FT. | | | | | siltation control policies. A permit must be obtained from the V.D.O.T. Residency Office, Roanoke County, 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 | WATER NOTES |
| | BOX CULVERT | LUMP SUM | STORM | INANTEED NAME AND | OFMENIT | | construction site. Field construction shall honor proposed drainage divides as shown | A minimum cover of three (3) feet is required over proposed lines. |
| | PAVED DITCH | LIN. FT. | · · | WATER MANAG COST ESTIMA | | | on plans. All unsuitable material shall be removed from the construction limits of the roadway before placing embankment. | Contractor shall be responsible for locating and uncovering valve vaults after paving and adjustment to final grade if necessary. |
| | RIPRAP - CLASS | S.F. | ALL COSTS GIVEN ARE COMPLETE II DESCRIPTION UNIT | | | | Pavement sections on approved plans are based on a minimum CBR of 10. CBR tests are to be performed by the engineer and submitted to VD 0.T | 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. |
| | SODDED SWALE | S.Y. | CLEARING & GRUBBING | QUANTITY | UNIT COST | TOTAL COST | and to the Roanoke County Engineering Division prior to placement. CBR values < 10 will require revised pavement sections. All roadside ditches or grades of more than 5 percent shall be paved | All trenches in existing or future highway right—of—ways shall be compacted according to V.D.O.T. standards. |
| | -IN. CONCRETE ENDWALL EW- | EACH | EXCAVATION | | | | with cement concrete to the limits as indicated on the plans and as required at the field inspection. | Lines shall be staked prior to construction |
| | 24 -IN. END SECTION ES- | EACH | EMBANKMENT FENCING | | | | Location of guard rails shall be determined at a joint field inspection by the County and V.D.O.T. | Water main shall be minimum Class 52 Ductile Iron in accordance to AWWA C151 or DR-14 PVC in accordance with AWWA C-900. |
| | | | STRUCTURES EACH | 1 | 500 | 500 | All springs shall be capped and piped to the nearest storm sewer or natural watercourse. The pipe shall be 6 inch minimum diameter and conform to V.D.O.T. Standard SB—1. | Availability numberOO-41R-A |
| | CURB CG-2 CURB & GUTTER CG-6 | LIN. FT. 10 10800 | END SECTION | | | | Standard street and traffic control signs shall be erected at each intersection by the developer prior to final street acceptance. | |
| | VALLEY GUTTER GRAVEL BASE | E A C H S. Y. | AS-BUILTS SUB-TOTAL | | | 500 | Construction debris shall be containerized in accordance with the Virginia Litter Control Act. No less than one litter receptacle shall be provided on site. | <u>LEGEND</u> |
| | GRAVEL SHOULDER SURFACE TREATMENT | S.Y. S.Y. | 10% CONTINGENCY | | | 50 | The contractor shall provide adequate means of cleaning mud from trucks and/or other equipment prior to entering public streets. | Property Line — R/W — — R/W — — — R/W — — — R/W — — — — — — — — — — — — — — — — — — — |
| | -IN. BIT. CONC.: TYPE B- 2 -IN. BIT. CONC.: TYPE SM-2A | S. T. S. Y. 1260 S. Y. 11 13,860 | TOTAL PROJECT COST | | | 550 | It is the contractors responsibility to insure that the streets are in a clean, mud and dust free condition at all times. | Centerline |
| | 8 -IN. BASE MATERIAL -IN. SUBBASE MATERIAL | C.Y. C.Y. | EROSIC | N-SILTATION | CONTROL | | 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. | Existing Storm Sewer18" S.D 18" S.D |
| | OFF SITE PAVEMENT REPAIR | S.Y. | ALL COSTS GIVEN ARE COMPLETE | COST ESTIMA | ATE | | Contractors shall notify utilities of proposed construction at least two (2), but not more than ten (10) working days in advance. Area public utilities may be notified thru "Miss Utility": 1-800-552-7001. | Existing Sanitary Sewer8" SAN8" SAN Existing Water Main4" w—4" w— |
| | TRAFFIC BARRICADE 8" WATER LINE | EACH 22 13,354 1 | DESCRIPTION UNIT | QUANTITY | UNIT COST | TOTAL COST | The developer or contractor shall supply the county with correct As-Built plans before final acceptance. | Existing Contour ———————————————————————————————————— |
| | 8" WATER LINE (OFF SITE) | | 30,360 CONSTRUCTION EACH | 1 | 500 | 500 | All work shall be subject to inspection by Roanoke County and/or V.D.O.T. inspectors. | Proposed Drainage Divide Proposed Limits of Clearing ———————————————————————————————————— |
| | FIRE HYDRANT ASSEMBLIES BLOW OFFS W/VAULT, FRAME & COVER | 2 EACH 1000 2000 | 1500 SILT FENCE 2000 INLET PROTECTION | | | | Field corrections shall be approved by the Roanoke County Engineering Division prior to such construction. | Proposed Storm Sewer Proposed Sanitary Sewer 8" M.H. |
| | 8 -IN. GATE VALVES, W/VAULT, FRAME & COVER -IN. GATE VALVES, W/VAULT, FRAME & COVER | 2 EACH 1500 3000 EACH | DIVERSION DIKE LF | 725 | 3 | 2175 | 100 year floodway and floodplain information shall be shown where applicable. | Proposed Water Main HYDRANT VALVE BLOWOFF |
| | | | TEMPORARY FILL DIVERSION | | | | Grade stakes shall be set for all curb and gutter, culver, sonitary sewer and storm sewer. | ☆ |
| | 8" SANITARY SEWER | 941 LIN. FT. 15 14,115 | SEDIMENT TRAP EACH 14,115 CHECK DAM EACH | | 100 50 | 200 700 | | |
| | STANDARD MANHOLE W/FRAME & COVER SAMPLING MANHOLE/PORT | 4 EACH 1500 6000 6 | 0000 PERMANENT SEEDING | | | | COUNTY OF | ROANOKE |
| • | | | OUTLET PROTECTION SEDIMENT BASIN | | | | · | |
| | AS-BUILT PLANS | 1 LUMP SUM 500 500 | 500 | | | | NAME OF DEVELOPMENT BROOKFIELD COURT RESIDENTIAL COMMUNITY | I, <u>TODD ROSS</u> OWNER DEVELOPER AM AWARE OF THE SITE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DEVELOPMENT PLAN AND OTHER APPLICABLE COUNTY |
| | SUB TOTAL 10% CONTINGENCY | | 7700 SUB-TOTAL | | | 3575 | MAGISTERIAL DISTRICT(S) HOLLINS | CODES. I HEARBY CERTIFY THAT I AGREE TO COMPLY WITH THESE REQUIREMENTS, UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW. |
| | ESTIMATED TOTAL | 8 | 4,529 TOTAL PROJECT COST | | | 350 3925 | R & J ENTERPRISES LLC OWNER 4415 PHEASANT RIDGE ROAD BOANOKE MEGINA 24014 | |
| · | All quantities and costs estimates indica grading, landscaping, erosion and sedime | ent control, and stormwater | | | | | ROANOKE, VIRGINIA 24014 R & J ENTERPRISES LLC DEVELOPER 4415 PHEASANT RIDGE ROAD | |
| | considered absolute. The contractor shall and costs | management are for Roanoke County purposes only and are not to be considered absolute. The contractor shall be responsible for all quantities and costs | | | | • | ROANOKE, VIRGINIA 24014 JONES AND JONES ASSOCIATES ARCHITECTS, PC | |
| | TO THE BEST OF MY KNOWLEDGE AND BELIEF THE FOREGOIN SIGNED: | NG ESTIMATE REFLECTS THE CURRENT IMPROVEMENT COSTS OF THIS | PROJECT. | | | | ARCHITECT ROANOKE, VIRGINIA 24019 (540) 366-3335 | |
| | Film Tong | | | | DATE: 2 | 24 JUNE 2002 | TAX MAP NO(S)27.09-02-23, 27.09-02-28.2, 27.09-02-31 BLOCK NO(S) | PARCEL NO(S) |
| | | | | | | | | SHEET RC-1 |
| a Million | | | | | | | | |