

## GENERAL NOTES

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF ROANOKE COUNTY AND/OR THE VIRGINIA DEPARTMENT OF TRANSPORTATION.

THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE ENGINEERING DIVISION IN WRITING AT LEAST THREE (3) DAYS PRIOR TO ANY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- INSTALLATION OF APPROVED EROSION CONTROL DEVICES.
- CLEARING AND GRUBBING.
- SUBGRADE EXCAVATION.
- INSTALLING STORM SEWERS OR CULVERTS.
- INSTALLING CURB AND GUTTER FORMS.
- PLACING CURB AND GUTTER.
- PLACING OTHER CONCRETE.
- PLACING GRAVEL BASE.
- PLACING ANY ROADWAY SURFACE.
- INSTALLING WATER LINES.
- INSTALLING SANITARY SEWER LINES.

A PRECONSTRUCTION CONFERENCE SHOULD BE SCHEDULED WITH THE ROANOKE COUNTY ENGINEERING DIVISION, TO BE HELD AT LEAST ONE DAY PRIOR TO ANY CONSTRUCTION.

MEASURES TO CONTROL EROSION AND SILTATION MUST BE PROVIDED FOR PRIOR TO PLAN APPROVAL. PLAN APPROVAL IN NO WAY RELIEVES THE DEVELOPER OR CONTRACTOR OF THE RESPONSIBILITIES CONTAINED IN EROSION AND SILTATION CONTROL POLICIES.

AN APPROVED SET OF PLANS AND ALL PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE.

FIELD CONSTRUCTION SHALL HONOR PROPOSED DRAINAGE DIVIDES AS SHOWN ON PLANS.

CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AT THE JOB SITE.

VDOT ST'D. HR-1 HANDRAIL IS REQUIRED ON ALL WALLS EXCEEDING 4.0' IN HEIGHT.

CONSTRUCTION DEBRIS SHALL BE CONTAINED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT. NO LESS THAN ONE LITTER RECEPTACLE SHALL BE PROVIDED ON-SITE.

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 INSURE THAT THE STREETS ARE IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.

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.

CONTRACTORS SHALL NOTIFY UTILITIES OF PROPOSED CONSTRUCTION AT LEAST TWO, BUT NOT MORE THAN TEN WORKING DAYS IN ADVANCE. AREA PUBLIC UTILITIES MAY BE NOTIFIED THROUGH MISS UTILITY AT (800) 552-7001.

THE DEVELOPER OR CONTRACTOR SHALL PROVIDE THE DEVELOPER AND COUNTY WITH CORRECT AS-BUILT PLANS BEFORE FINAL ACCEPTANCE.

ALL WORK SHALL BE SUBJECT TO INSPECTION BY COUNTY AND KANE REALTY INSPECTORS.

FIELD CORRECTIONS SHALL BE APPROVED BY THE DEVELOPER AND COUNTY ENGINEERING DIVISION PRIOR TO SUCH CONSTRUCTION.

GRADE STAKES SHALL BE SET FOR ALL CURB AND GUTTER, CULVERT, SANITARY SEWER, AND STORM SEWER.

LOCATION OF UNDERGROUND UTILITIES IS BASED ON FIELD SURVEYS, AS SHOWN BY AVAILABLE RECORDS, AND AS LOCATED BY THE UTILITY LOCATOR SERVICE. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

THE SITE WORK AND LANDSCAPING CONTRACTOR(S) SHALL COMPLY WITH LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES, BOTH ON AND OFF THE SITE. REFER TO THE VIRGINIA UNIFORM CODING SYSTEM CONTAINED IN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION, FOR DETAILS AND SPECIFICATIONS OF EROSION CONTROL ITEMS SHOWN ON THESE PLANS.

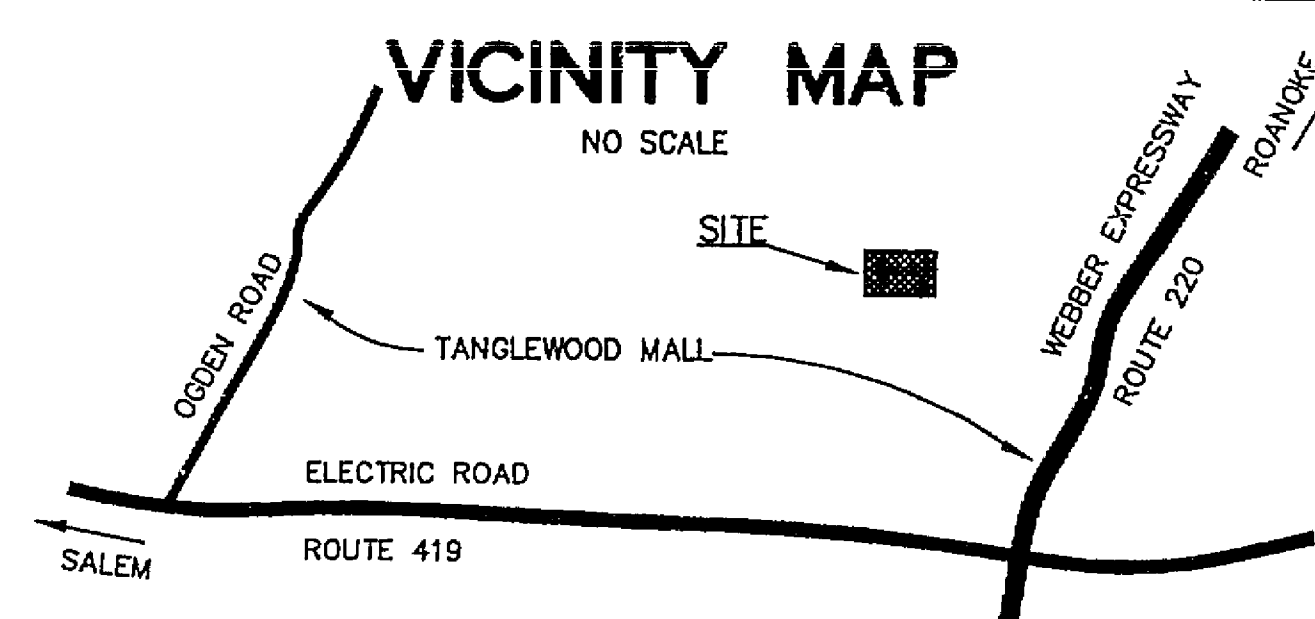
## ENGINEER'S NOTES

T.P. PARKER & SON ASSUMES NO RESPONSIBILITY FOR ADEQUACY OF PLANS OR FOR INFORMATION ON PLANS UNTIL SUCH PLANS HAVE BEEN APPROVED BY THE REQUIRED PUBLIC AGENCIES.

ANY WORK COMMENCED ON A PROJECT PRIOR TO PLAN APPROVAL IS AT SOLE RISK OF THE DEVELOPER.

T.P. PARKER & SON DOES NOT GUARANTEE THE COMPLETION OR QUALITY OF PERFORMANCE OF THE CONTRACTS OR THE COMPLETION OR QUALITY OF PERFORMANCE OF CONTRACTS BY SUBCONTRACTORS OR OTHER THIRD PARTIES.

SOURCE OF TOPOGRAPHIC MAPPING IS T.P. PARKER AND SON DATED 2/97 AND BARTON AERIAL TECHNOLOGIES DATED MARCH 18, 1995.



## SEWER NOTES

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL MANHOLES AFTER PAVING. MANHOLE TOPS SHALL BE ADJUSTED TO GRADE IF NECESSARY.

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.

HOUSE CONNECTIONS ARE TO BE MADE WITH 4" PIPE INSTALLED ON A MINIMUM GRADE OF 1/4 INCH TO 1 FOOT IN THE RIGHT OF WAY.

LATERALS FROM MANHOLES SHALL BE P.V.C. 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 SHALL BE MADE WITH AN ADAPTOR COUPLING IN THE RIGHT OF WAY.

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT OF WAYS SHALL BE COMPACTED ACCORDING TO VDOT STANDARDS.

LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

## WATER NOTES

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING VALVE VAULTS AFTER PAVING AND ADJUSTMENT TO FINAL GRADE IF NECESSARY.

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.

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT OF WAYS SHALL BE COMPACTED ACCORDING TO VDOT STANDARDS.

LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

WATER MAIN SHALL BE MINIMUM CLASS 52 DUCTILE IRON IN ACCORDANCE TO AWWA C151 OR SDR35 PVC IN ACCORDANCE TO C-900.

## GENERAL NOTES

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF ROANOKE COUNTY AND/OR THE VIRGINIA DEPARTMENT OF TRANSPORTATION.

THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE ENGINEERING DIVISION IN WRITING AT LEAST THREE (3) DAYS PRIOR TO ANY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- INSTALLATION OF APPROVED EROSION CONTROL DEVICES.
- CLEARING AND GRUBBING.
- SUBGRADE EXCAVATION.
- INSTALLING STORM SEWERS OR CULVERTS.
- INSTALLING CURB AND GUTTER FORMS.
- PLACING CURB AND GUTTER.
- PLACING OTHER CONCRETE.
- PLACING GRAVEL BASE.
- PLACING ANY ROADWAY SURFACE.
- INSTALLING WATER LINES.
- INSTALLING SANITARY SEWER LINES.

A PRECONSTRUCTION CONFERENCE SHOULD BE SCHEDULED WITH THE ROANOKE COUNTY ENGINEERING DIVISION, TO BE HELD AT LEAST ONE DAY PRIOR TO ANY CONSTRUCTION.

MEASURES TO CONTROL EROSION AND SILTATION MUST BE PROVIDED FOR PRIOR TO PLAN APPROVAL. PLAN APPROVAL IN NO WAY RELIEVES THE DEVELOPER OR CONTRACTOR OF THE RESPONSIBILITIES CONTAINED IN EROSION AND SILTATION CONTROL POLICIES.

AN APPROVED SET OF PLANS AND ALL PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE.

FIELD CONSTRUCTION SHALL HONOR PROPOSED DRAINAGE DIVIDES AS SHOWN ON PLANS.

CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AT THE JOB SITE.

VDOT ST'D. HR-1 HANDRAIL IS REQUIRED ON ALL WALLS EXCEEDING 4.0' IN HEIGHT.

CONSTRUCTION DEBRIS SHALL BE CONTAINED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT. NO LESS THAN ONE LITTER RECEPTACLE SHALL BE PROVIDED ON-SITE.

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 INSURE THAT THE STREETS ARE IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.

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.

CONTRACTORS SHALL NOTIFY UTILITIES OF PROPOSED CONSTRUCTION AT LEAST TWO, BUT NOT MORE THAN TEN WORKING DAYS IN ADVANCE. AREA PUBLIC UTILITIES MAY BE NOTIFIED THROUGH MISS UTILITY AT (800) 552-7001.

THE DEVELOPER OR CONTRACTOR SHALL PROVIDE THE DEVELOPER AND COUNTY WITH CORRECT AS-BUILT PLANS BEFORE FINAL ACCEPTANCE.

ALL WORK SHALL BE SUBJECT TO INSPECTION BY COUNTY AND KANE REALTY INSPECTORS.

FIELD CORRECTIONS SHALL BE APPROVED BY THE DEVELOPER AND COUNTY ENGINEERING DIVISION PRIOR TO SUCH CONSTRUCTION.

GRADE STAKES SHALL BE SET FOR ALL CURB AND GUTTER, CULVERT, SANITARY SEWER, AND STORM SEWER.

LOCATION OF UNDERGROUND UTILITIES IS BASED ON FIELD SURVEYS, AS SHOWN BY AVAILABLE RECORDS, AND AS LOCATED BY THE UTILITY LOCATOR SERVICE. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

THE SITE WORK AND LANDSCAPING CONTRACTOR(S) SHALL COMPLY WITH LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES, BOTH ON AND OFF THE SITE. REFER TO THE VIRGINIA UNIFORM CODING SYSTEM CONTAINED IN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION, FOR DETAILS AND SPECIFICATIONS OF EROSION CONTROL ITEMS SHOWN ON THESE PLANS.

## SHEET INDEX

SHEET #

TITLE

1

COVER SHEET

2

SITE PLAN

3

WATERLINE PROFILE

## LEGEND

### ABBREVIATIONS

|       |                       |       |                                       |
|-------|-----------------------|-------|---------------------------------------|
| AFH   | ARROW HEAD TOP OF     | MIN   | MINIMUM                               |
| ASPH  | ASPHALT               | MON   | MONUMENT                              |
| BC    | BOTTOM OF CURB        | NBL   | NORTH BOUND LANE                      |
| BT    | BITUMINOUS            | PROP  | PROPOSED                              |
| BLDG  | BUILDING              | PUE   | PUBLIC UTILITY EASEMENT               |
| BLK   | BLOCK                 | PWT   | PAVEMENT                              |
| BM    | BENCHMARK             | R     | RADIUS                                |
| BW    | BOTTOM OF WALL        | RT    | RIGHT                                 |
| CB    | CINDER BLOCK          | R/W   | RIGHT OF WAY                          |
| C&G   | CURB & GUTTER         | REQD  | REQUIRED                              |
| C&P   | CORRUGATED METAL PIPE | RR    | RAILROAD                              |
| CONC  | CONCRETE              | RY    | REAL YARD SETBACK                     |
| COR   | CORNER                | SAN   | SANITARY                              |
| DBL   | DOUBLE                | SBL   | SOUTH BOUND LANE                      |
| DEFL  | DEFLECTION            | SD    | STORM DRAIN                           |
| DI    | DROP INLET            | SECT  | SECTION                               |
| DIA   | DIAMETER              | SE    | SLOPE EASEMENT                        |
| DE    | DRAINAGE EASEMENT     | SS    | SANITARY SEWER                        |
| EBL   | EAST BOUND LANE       | SSE   | SANITARY SEWER EASEMENT               |
| ELEV  | ELEVATION             | STA   | STATION                               |
| ENTR  | ENTRANCE              | STD   | STANDARD                              |
| EP    | EDGE OF PAVEMENT      | STO   | STORAGE                               |
| EW    | ENDWALL               | SYS   | SIDE YARD SETBACK                     |
| EXIST | EXISTING              | TBM   | TEMPORARY BENCHMARK                   |
| FDN   | FOUNDATION            | TC    | TOP OF CURB                           |
| FF    | FINISHED FLOOR        | TEL   | TELEPHONE                             |
| HPT   | HIGH POINT            | TRANS | TRANSFORMER                           |
| INV   | INVERT                | TW    | TOP OF WALL                           |
| IP    | IRON PIPE             | TYP   | TYPICAL                               |
| LT    | LEFT                  | VDOT  | VIRGINIA DEPARTMENT OF TRANSPORTATION |
| MBL   | MINIMUM BUILDING LINE | VERT  | VERTICAL                              |
| MH    | MANHOLE               | WBL   | WEST BOUND LANE                       |
|       |                       | YD    | YARD                                  |

### SYMBOLS

| EXISTING | NEW   |
|----------|-------|
| 100.5 E  | 100.5 |
| 100      | 100   |
| 8"SS     | 8"SS  |
| 4"W      | 4"W   |
| 8"SD     | 8"SD  |
| 2"G      | 2"G   |
| E        | E     |
| T        | T     |
| CATV     | CATV  |
| UE       | UE    |
| UT       | UT    |
| F.H.     | F.H.  |
| C.O.     | C.O.  |
| Y.L.     | Y.L.  |
| Y.H.     | Y.H.  |

SPOT ELEVATION  
CONTOURS  
SANITARY SEWER LINE  
WATERLINE  
STORM DRAIN  
GAS LINE  
OVERHEAD ELECTRIC LINE  
OVERHEAD TELEPHONE LINE  
OVERHEAD CABLE TELEVISION LINE  
UNDERGROUND TEL. OR ELEC LINE  
WATER OR GAS METER  
VALVE  
FIRE HYDRANT  
MANHOLE  
CLEANOUT  
DROP INLET (CURB OR GRATE)  
UTILITY POLE, GUY & ANCHOR  
DITCH OR SWALE  
CENTERLINE OR BASELINE  
PROPERTY LINE  
SURVEY TRAVERSE POINT  
DEFLECTION ANGLE  
DIRECT ANGLE  
YARD LIGHTING  
YARD HYDRANT  
WELL  
BENCHMARK  
FENCE  
TREE LINE  
RAILROAD  
HANDICAPPED SPACE

NAME OF DEVELOPMENT

"BARNES AND NOBLE BOOKSTORE"

LOCATION

TANGLEWOOD MALL  
ROANOKE COUNTY, VA

OWNER

BARNES AND NOBLE

ATTN: MR. PAUL PATRICK  
1501 LBJ FREEWAY, SUITE 290  
DALLAS, TX 75234

DEVELOPER

KANE REALTY CORPORATION

ATTN: MR. JAKE REPASS  
4420-A ELECTRIC RD. SW  
ROANOKE VA 24014  
(540) 989-4685

Kane Realty  
OWNER/DEVELOPER, AM AWARE OF THE SITE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DEVELOPMENT PLAN AND OTHER APPLICABLE COUNTY CODES. I HEREBY CERTIFY THAT I AGREE TO COMPLY WITH THESE REQUIREMENTS, UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW.

TAX MAP #(S) 77.16 BLOCK #(S) 1 PARCEL #(S) 2

Designed By: JMS

Drawn By: JMS

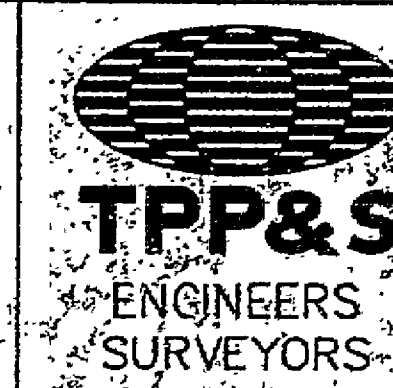
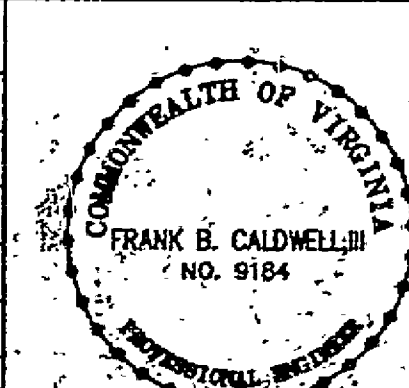
Date: 4/17/97

W.O. # 97-0019

N.B. # T'WOOD #2.1

## REVISIONS

| No. | Date | Remarks                                                     | By  |
|-----|------|-------------------------------------------------------------|-----|
| 1   | 4/17 | PER COUNTY REVIEW/ ADD 8" WATERLINE RELOCATION PLAN/PROFILE | JMS |
| 2   | 5/5  | PER COUNTY REVIEW/ ADD AIR RELEASE, MOVE VAULT              | JMS |



T. P. PARKER & SON  
816 Boulevard  
Post Office Box 30  
Salem, Virginia 24153  
Telephone: 540-387-1153  
FAX: 540-384-5787

SHEET 1 OF 3  
RC-7055