

ELEVATIONAL CONTROL:

- ELEVATIONS SHOWN ARE BASED UPON NGVD 29 DATUM FROM VDOT MONUMENTATION RESET ADJACENT TO THE SITE. VDOT MONUMENTATION ORIGINATED FROM FEMA BENCHMARK "RM-66". THIS ELEVATION HAS BEEN VERIFIED BY TWO ADDITIONAL FEMA BENCHMARKS.
- THE SITE HAS BEEN DESIGNED TO CONSTRUCT BUILDINGS AT LEAST 2 FEET ABOVE THE 100-YR FLOOD ELEVATION, AS DETERMINED BY THE FEMA FLOOD INSURANCE RATE MAP 51161C0026D. THIS DETERMINATION IS BASED UPON SAID MAP AND HAS BEEN VERIFIED BY ACTUAL FIELD ELEVATIONS.
- ROANOKE COUNTY PERSONNEL HAS BEEN CONTACTED REGARDING THE FILLING WITHIN THE FLOOD PLAIN WITHOUT FILLING WITHIN THE FLOOD WAY.

EROSION AND SEDIMENT CONTROL MEASURES:

- (CE) PROVIDE STONE CONSTRUCTION ENTRANCE MEETING VESCH STD. & SPEC. 3.02
- (SF) PROVIDE SILT FENCE MEETING VESCH STD. & SPEC. 3.05
- (IP) PROVIDE STORM DRAIN INLET PROTECTION MEETING VESCH STD. & SPEC. 3.07
- (CIP) PROVIDE STORM DRAIN INLET PROTECTION MEETING VESCH STD. & SPEC. 3.08
- (ST) PROVIDE TEMPORARY SEDIMENT TRAP MEETING VESCH STD. & SPEC. 3.13
- (PS) PROVIDE PERMANENT SEEDING MEETING VESCH STD. & SPEC. 3.32
- (B/M) PROVIDE SOIL STABILIZATION MATTING MEETING VESCH STD. & SPEC. 3.35, TREATMENT TYPE 2
- (DC) PROVIDE DUST CONTROL MEETING VESCH STD. & SPEC. 3.39

GRADING NOTES

- GRADING ACROSS THE WESTERN MOST 30-FOOT STRIP SHALL ONLY OCCUR IF AN AGREEMENT HAS BEEN MADE WITH THE ST. PHILLIPS EVANGELICAL LUTHERAN CHURCH. THE CONTRACTOR SHALL VERIFY WITH THE DEVELOPER PRIOR TO GRADING IN THIS AREA.
- ROANOKE COUNTY REQUIRES COMPACTION TESTS ON THE STORMWATER MANAGMENT POND IN FILL CONDITIONS.
- LOCATION OF UNDERGROUND UTILITIES IS BASED ON A CURRENT FIELD SURVEY. UTILITY LINES SHOWN ARE A RESULT OF LINES MARKED IN THE FIELD. REFERENCE IS DIRECTED TO THE UTILITY PLAN, THE "MISS UTILITY TICKET NO.", AND UTILITIES WITHIN THE AREA. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL COMPLY WITH LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF THE SITE. REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK FOR DETAILS AND SPECIFICATIONS OF THOSE EROSION CONTROL ITEMS FOUND ON THESE DRAWINGS. REFERENCE IS DIRECTED TO THE "EROSION CONTROL NARRATIVE & DETAILS" FOR SELECTED DETAILS AND EROSION CONTROL "QUANTITY AND BOND ESTIMATE".
- THE SITE SHALL BE CLEARED, GRUBBED, AND SELECTED ITEMS REMOVED AS SHOWN WITHIN THE LIMITS OF CONSTRUCTION. ALL DEBRIS SHALL BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL SAW-CUT ALL EXISTING PAVEMENT THAT IS TO BE REMOVED AND WHERE NEW CONSTRUCTION JOINS THE EXISTING.
- THE LIMITS OF CONSTRUCTION ARE ROUGHLY SHOWN ON THE "DEMOLITION PLAN".
- THE CONTRACTOR SHALL PROVIDE ALL SITE GRADING, GENERAL EXCAVATION, UTILITY TRENCHING & BACKFILLING, AND FINISH GRADING AS INDICATED ON THE DRAWINGS. WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH VDOT STANDARDS AND SPECIFICATIONS. ALL FILLS AND BACKFILLS SHALL BE UNIFORMLY COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DENSITY. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES.
- THE CONTRACTOR SHALL STOCKPILE ANY AVAILABLE TOPSOIL AND PLACE THE TOPSOIL AT THE COMPLETION OF THE PROJECT.
- THE LOCATION OF ALL OFF-SITE FILL/BORROW AREAS ASSOCIATED WITH THE CONSTRUCTION PROJECT SHALL BE PROVIDED TO THE ROANOKE COUNTY COMMUNITY DEVELOPMENT OFFICE. AN EROSION CONTROL PLAN OR MEASURES MAY BE REQUIRED FOR THESE AREAS.

PROPERTY OF
ST. PHILIP EVANGELICAL LUTHERAN CHURCH

D.B. 1372 PG. 1429
TAX MAP NO. 027.08-04-07
7.27 ACRES BY DEED

GRADING IN THIS AREA SHOULD ONLY BE ACCOMPLISHED IF THE AGREEMENT BETWEEN THE DEVELOPER AND ST. PHILLIPS IS OBTAINED. SHOULD THERE BE NO AGREEMENT, THE DEVELOPER MUST CONTACT ENGINEER FOR REVISED GRADING PLAN & A RETAINING WALL DESIGN MUST BE SUBMITTED AND APPROVED BY ROANOKE COUNTY

GRADING VOLUME (ESTIMATED)

ESTIMATED 22,400 CY OF CUT ALONG WESTERN PORTION OF SITE (PARCEL 2)
ESTIMATED 3,000 CY OF FILL ALONG WESTERN PORTION OF SITE (PARCEL 2)
ESTIMATED 19,200 CY OF FILL ALONG EASTERN PORTION OF SITE (PARCEL 5)
ESTIMATED 325 CY OF CUT ALONG EASTERN PORTION OF SITE (PARCEL 5)
(VOLUMES CALCULATED FROM EXISTING GRADE TO FINISHED PROPOSED GRADE AND DOES NOT ACCOUNT FOR PAVEMENT SECTION AND FOUNDATION DEPTHS.)

PROPERTY OF
WESLEYAN CHURCH TRUSTEES

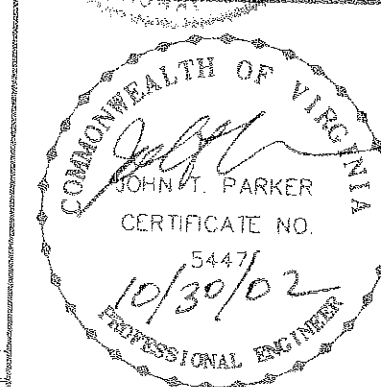
D.B. 988 PG. 770
TAX MAP NO. 027.08-04-04
1.03 ACRES BY DEED

PORTION OF
PROPERTY OF
JAMES D. FRALIN
D.B. 1200 PG. 170
PARCEL "1"
0.755 ACRES
TM# 028.05-01-13.1

7/14/03 NO AS BUILT
INFORMATION PROVIDED

GRAPHIC SCALE

GRADING & EROSION CONTROL PLAN - PARCEL 2A
FOR
MEADOWBROOK VILLAGE TOWNHOUSES
PHASE V
BARRENS DEVELOPMENT CORPORATION
NORTH BROOK DRIVE & U.S. ROUTE 11,
HOLLINS MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA
REVISED: 18 SEPT 2002 SCALE: 1" = 30'



DESIGNED BY P.J. BROWN
DRAWN BY PJB
CHECKED BY JTD, SR
W.D.# 01-0207
N.B. RR-5
TAX NO. 028.05-01-12/13

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01-0207-12.DWG

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