

THIS REVISION DOES NOT AFFECT STORMWATER MANAGEMENT, AS THE REAR OF THESE LOTS WERE CONSIDERED DIRECT RUNOFF AS SHOWN ON PAGE 42 OF THE CALCULATIONS. IN A SIMILAR MANNER, THE MATTERN & CRAIG INITIAL DESIGN CONSIDERED THE OVERALL LOTS ON THIS SIDE OF THE ROAD AS DIRECT RUNOFF.

Temp. Sediment Trap No. 3
Drainage Area: 1.65 AC
Total Storage Required: 222 CY
Wet/Dry Storage Required: 111 CY
Wet Storage Bottom: 2' Dimensions: 25'X50'
Wet Storage Depth: 2'
Wet Storage Provided: 117 CY
Top Dimensions: 43'X68'
Dry Storage Depth: 1.5'
Dry Storage Provided: 122 CY
Total Storage Provided: 239 CY
Total Depth (H): 4.5'
Bottom Elev.: 1065
Trap Overflow Elev.: 1068.5
Trap Dam: 1069.5
Riprap Length: 11'

△ 5 FIELD REVISION
4-22-2009

- a. REVISE SANITARY SEWER STRUCTURES D, C, B, AND A. REVISE SLOPE E TO D AND B TO A. REVISE LENGTH FROM B TO A.
- b. REVISE LATERAL MINIMUM GRAVITY SERVICE ELEVATION.
- c. REVISE ALLEY GRADING

**CONTRACTOR SHALL
PROTECT/ RESTABILIZE
EXISTING GRAVEL ACCESS
ROAD TO SWM POND AND
CONSTRUCT
T-TURNAROUND AS
SHOWN ON PLANS.**

**VARIABLE WIDTH S
ACCESS EASEMENT**

Diagram illustrating the construction details of a retaining wall, showing various layers and components:

- CAP UNIT ADHERES TO TOP UNIT W/VERSA-LOK CONCRETE ADHESIVE
- IMPERVIOUS FILL 12" DEEP
- 12" THICK MIN. DRAINAGE AGGREGATE
- VERSA-GRID GEOSYNTHETIC REINFORCEMENT [L=4.5'; TYPE VERSA-GRID VG 3.0]
- RETAINED SOIL
- SQUARE FOOT CONCRETE UNITS
- 3.7' MAX.
- 2'
- 1'
- 0.5'
- 2'
- UNDISTURBED SOIL
- REINFORCED BACKFILL COMPACTED 95% OF MAXIMUM STANDARD PROCTOR DENSITY
- APPROXIMATE EXCAVATION LINE
- 4" DIA. DRAIN PIPE OUTLET @ END OF WALL OR @ 40' CENTERS MAX.
- IMPERVIOUS FILL

TYPICAL SECTION
REINFORCED RETAINING WALL

SCALE: NONE

- RETAINING WALL NOTES:
1. SECTION FOR RETAINING WALL NO GREATER THAT 66" TALL MEASURED FROM BOTTOM OF BLOCK TO TOP OF CAP BLOCK.
 2. APPROVED EQUAL OR EQUIVALENT MAY BE USED IF APPROVED BY ENGINEER.
 3. A SEPARATE BUILDING PERMIT FROM THE ROANOKE COUNTY BUILDING DEPARTMENT IS REQUIRED PRIOR TO WALL CONSTRUCTION.

— ELEVATIONS SHOWN
REPRESENT UPPER AND
LOWER FLOOR ELEVATIONS

**CONTRACTOR SHALL
—PROTECT/
RECONSTRUCT
EXISTING ENTRANCE
FOR SWM POND
ACCESS ROAD**

p a r k e r
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COMMONWEALTH OF VIRGINIA
Paul J. Brown
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 11-25-2009
 PROFESSIONAL ENGINEER

Comprehensive Site Plan for The Village at Tinker Creek-Phase II Prepared for Star City Developers

REVISIONS:

Revisions per Roanoke County Comments	9-26-07
Revisions per Roanoke County Comments	10-31-07
Revisions per Roanoke County	11-14-07
Field Revisions addressing Sanitary Sewer	04-22-2009

DESIGNED BY: SRB.

DRAWN BY: AAS

CHECKED BY: SPD

CHECKED BY: SRB

SCALE: 1"=20'

DATE: July 20, 2007

SHEET TITLE:

Grading Plan & Phase

E&S Control Plan

Walhalla Court

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600

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8 OF 16

PROJECT NUMBER:

06-0402-04

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