EROSION & SEDIMENT CONTROL NOTES

1. PROVIDE CONSTRUCTION MATERIALS AND METHODS IN ACORDANCE WITH ALL STATE AND LOCAL REGULATIONS, INCLUDING THE STANDARDS AND SPECIFICATIONS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK", LATEST EDITION. REFER TO THIS HANDBOOK FOR DETAILS AND SPECIFICATIONS OF EROSION CONTROL DEVICES.
2. SCHEDULE A PRECONSTRUCTION MEETING INVOLVING THE ENGINEER, DEVELOPER'S REPRESENTATIVE AND SELECTED CONTRACTOR ON SITE PRIOR TO BEGINNING CONSTRUCTION.
3. ADHERE TO THE EROSION AND SEDIMENT CONTROL NARRATIVE AS PART OF THIS CONTRACT. INSTALL EROSION CONTROL DEVICES AS PER THE NARRATIVE/PLAN.
4. NOTIFY THE PROJECT ENGINEER WHEN THE LOCAL GOVERNING OFFICIAL HAS INSPECTED AND APPROVED ALL IN-PLACE EROSION AND SEDIMENT CONTROL DEVICES, REQUIRED BY LOCAL ORDINANCES TO BE IN PLACE PRIOR TO LAND DISTURBANCE.
5. NOTIFY THE PROJECT ENGINEER 24 HOURS IN ADVANCE OF BEGINNING CLEARING AND GRADING OPERATIONS.
6. DISPOSE OF EXCESS EXCAVATION, AS WELL AS ALL ORGANIC MATTER AND DEBRIS, OFF SITE.
7. SEED AND MULCH OR TEMPORARILY STABILIZE ALL DENUDED AREAS WITHIN SEVEN DAYS OF DISTURBANCE. SEED TRENCHES IMMEDIATELY FOLLOWING BACKFILL.
8. REMOVE ALL DEMOLISHED MATERIAL FROM THE PROJECT SITE AND DISPOSE OF IN AN ACCEPTABLE LOCATION.
9. REINSTALL ANY STRUCTURE(S) RELOCATED AND/OR REMOVED DURING THE INSTALLATION OF THE PROPOSED IMPROVEMENTS AT NO ADDITIONAL COST TO OWNER.
10. INSPECT ESC MEASURES WEEKLY AND AFTER EACH RAINFALL TO INSURE PROPER FUNCTIONING.
11. AVOID CONSTRUCTION TRAFFIC IN NATURAL STREAMS AND DRAINAGE WAYS WHENEVER POSSIBLE.
12. REMOVE ALL SILT FROM STREAMS AND DRAINAGE WAYS PRIOR TO BOND RELEASE.

EROSION & SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION
The project consists of the construction of an 100 seat church. Public utilities are planned. Total project area is 6.6 acres. Total disturbed area is approximately 2.2 acres.

EXISTING SITE CONDITIONS
The existing site is a vacant grassed lot. The property slopes from the west to the east at 4%±.

ADJACENT PROPERTIES
Adjacent properties are of a residential use.

OFF-SITE AREAS
The site runoff will be detained in the new storm water management facility as shown and released into the existing ditch along Alleghany Avenue.

SOILS
No geologic study was performed for this project.

CRITICAL EROSION AREAS
The southeast portion of the property containing the new SWMF will be seeded upon completion of the grading. Silt fence will be placed as shown to keep runoff from entering the existing ditches.

EROSION AND SEDIMENT CONTROL MEASURES
All measures to be in accordance with the Virginia Erosion and Sediment Control Handbook, latest edition.

Construction Entrance-3.02
A gravel construction entrance will prevent mud and dust from entering Second Street.
Silt Fence-3.05
Silt fence will protect downstream property form sediment laden runoff.
Storm Drain Inlet Protection-3.07
Each inlet will be protected form sediment until the site has stabilized.
Culvert Inlet Protection-3.08
Culvert will be protected from sediment until the site has stabilized.
Temporary Diversion Dike-3.09
A temporary diversion dike will divert runoff from potentially critical erosion areas.
Temporary Sediment Trap-3.13
Temporary sediment traps will allow sediment to settle out to runoff before the runoff leaves the site during the construction phase.
Outlet Protection-3.18
Each outlet will be protected to prevent scouring.
Temporary Seeding-3.31
Any denuded areas left dormant for extended periods of time will be seeded temporarily within seven days.
Permanent Seeding-3.32
Areas not receiving buildings, paving or landscaping will be seeded.

MANAGEMENT STRATEGIES
1. Construction will be sequenced so that grading operations can begin and end as quickly as possible.
2. The gravel construction entrance will be installed as a first step in construction.
3. Other measures will be installed as work progresses into those areas.
4. Temporary seeding or other stabilization will follow immediately after grading.
5. The job superintendent shall be responsible for the installation and maintenance of all erosion and sediment control practices.
6. After achieving adequate stabilization, the temporary erosion and sediment control measures will be cleaned and removed.

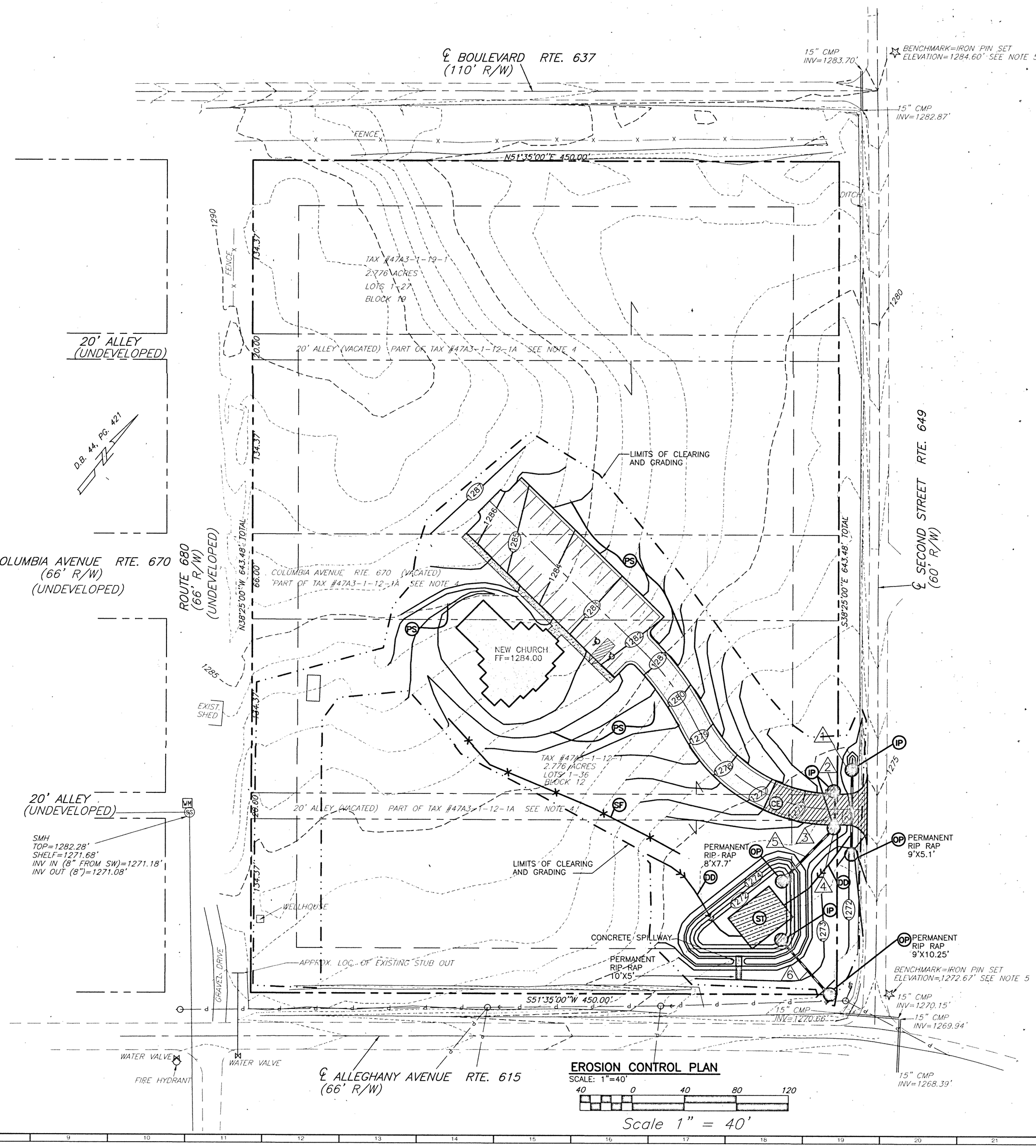
PERMANENT STABILIZATION
All areas disturbed by construction which do not receive buildings or paving shall be stabilized with permanent seeding as specified. All seeding shall be tacked and mulched and placed immediately after reaching finished grade. The parking area shall receive paving.

STORMWATER MANAGEMENT
A storm water management facility is planned as shown. The facility will receive runoff from surface flow and through the planned storm drain system.

MAINTENANCE
1. Silt fence will be checked regularly for undermining or deterioration of the fabric. Sediment shall be removed when the level of sediment deposition reaches halfway to the top of the barrier.
2. The seeded areas will be checked regularly to ensure that a good stand is maintained. Areas should be fertilized and reseeded as needed.
3. The contractor shall inspect all erosion control devices immediately after each significant rainfall and daily during periods of prolonged or heavy rainfall and repair all structures as necessary within 48 hours.

SEDIMENT TRAP DATA

DRAINAGE AREA: 1.49 ACRES
STORAGE REQUIRED: 200 CY
STORAGE PROVIDED: 224 CY
WET STORAGE: 30'X40'X3'
DRY STORAGE: 38'X48'X2'



EROSION CONTROL PLAN
SCALE: 1"=40'

40 0 40 80 120

Scale 1" = 40'

COMMONWEALTH OF VIRGINIA
ROGER I. STURGILL
No. 033058
3/24/01
PROFESSIONAL ENGINEER

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ST. JOHN THE EVANGELIST CATHOLIC CHURCH
EROSION CONTROL PLAN
CRAIG COUNTY
NEW CASTLE, VIRGINIA

DRAWN BY: DRB
DESIGNED BY: DRB
CHECKED BY: RIS
DATE: MAR. 22, 2001
REVISIONS:

SCALE: AS SHOWN
SHEET NO.
C5
JOB NO.
R0000326

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