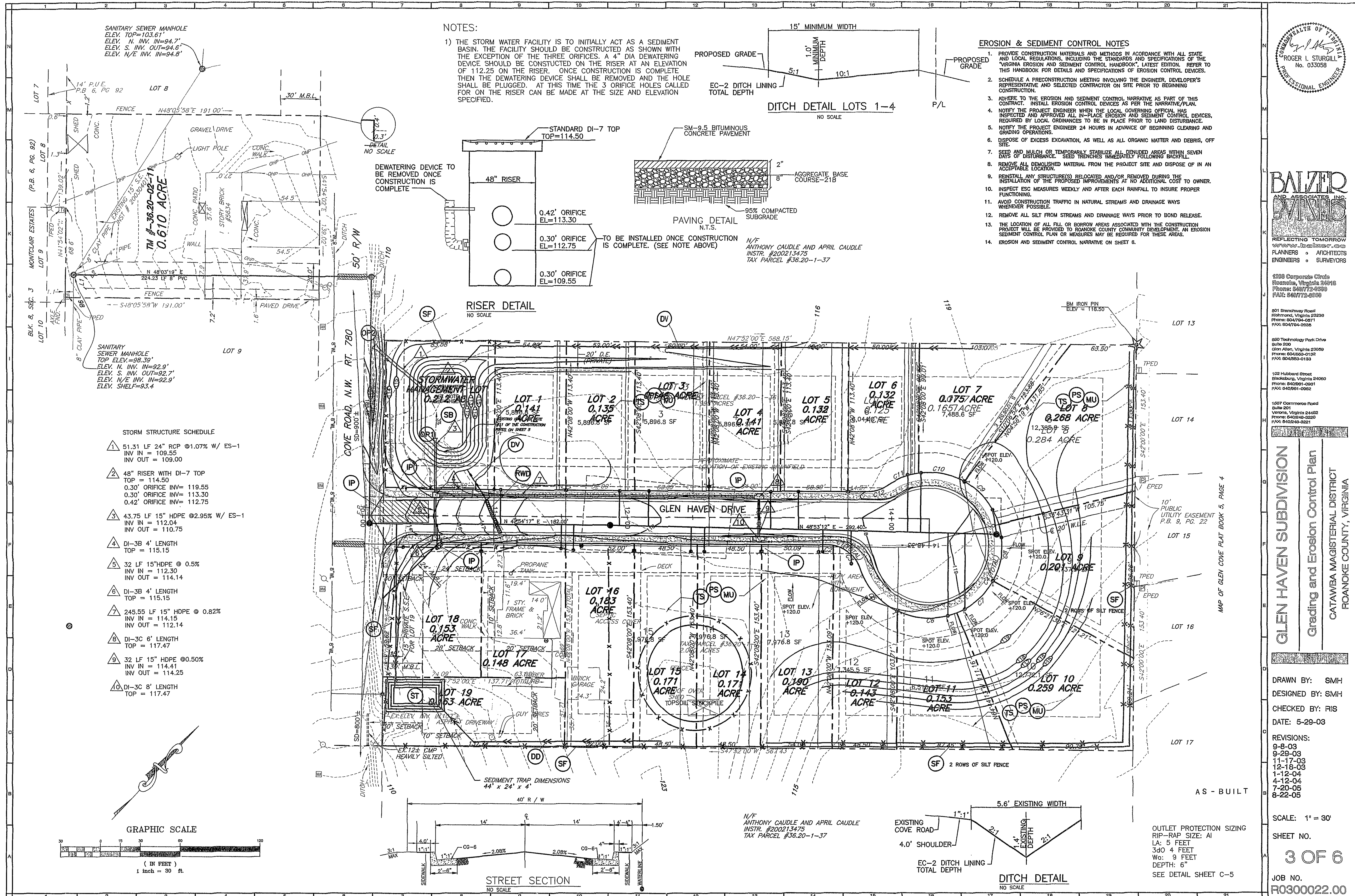
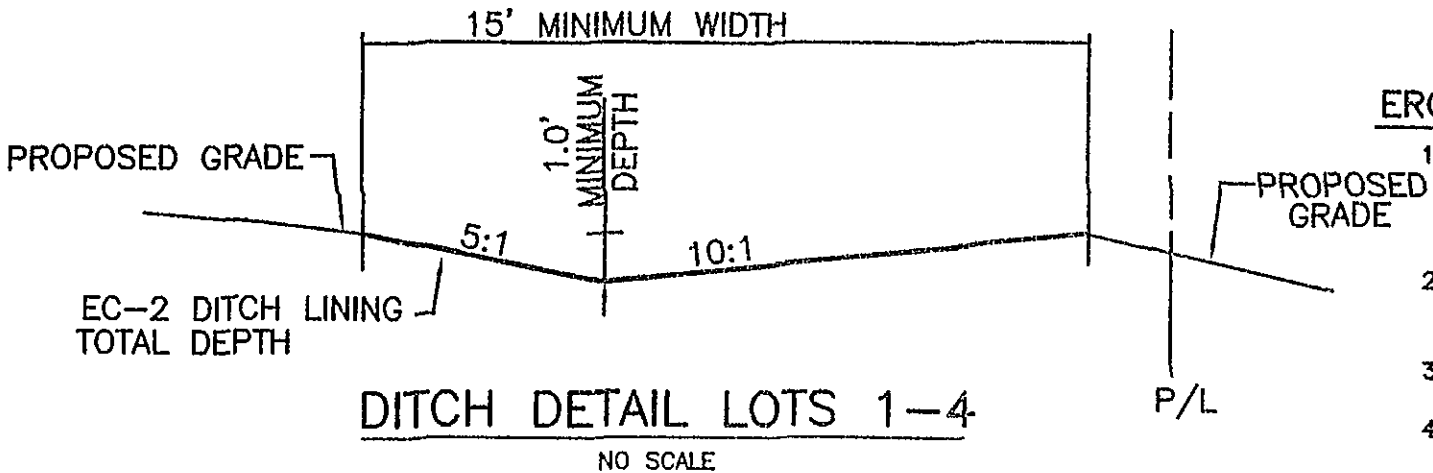




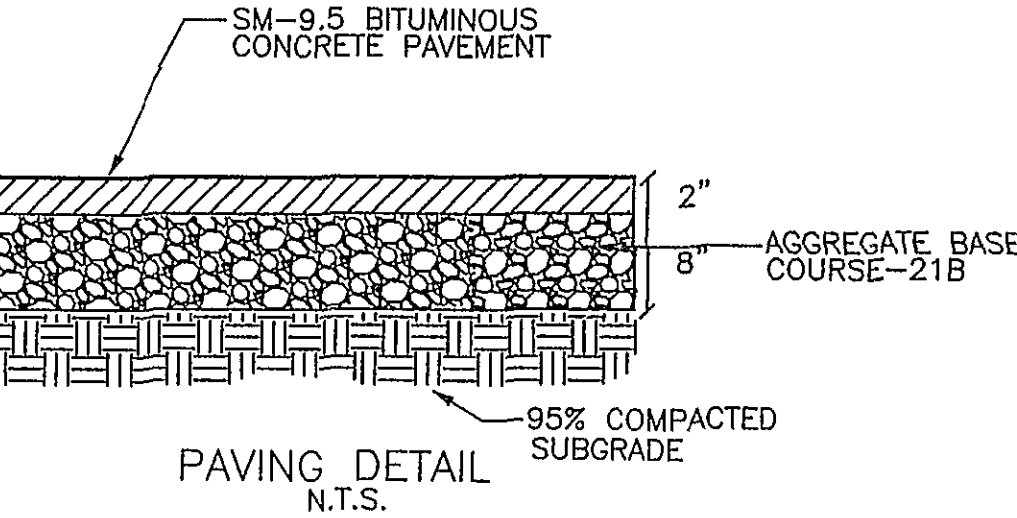
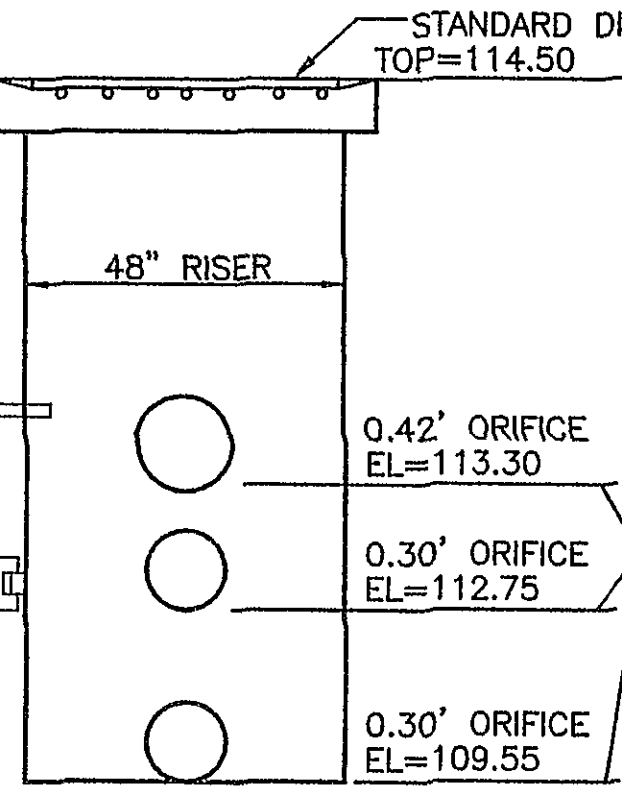
NOTES:

1) THE STORM WATER FACILITY IS TO INITIALLY ACT AS A SEDIMENT BASIN. THE FACILITY SHOULD BE CONSTRUCTED AS SHOWN WITH THE EXCEPTION OF THE THREE ORIFICES. A 4" DIA DEWATERING DEVICE SHOULD BE CONSTRUCTED ON THE RISER AT AN ELEVATION OF 112.25 ON THE RISER. ONCE CONSTRUCTION IS COMPLETE THEN THE DEWATERING DEVICE SHALL BE REMOVED AND THE HOLE SHALL BE PLUGGED. AT THIS TIME THE 3 ORIFICE HOLES CALLED FOR ON THE RISER CAN BE MADE AT THE SIZE AND ELEVATION SPECIFIED.



EROSION & SEDIMENT CONTROL NOTES

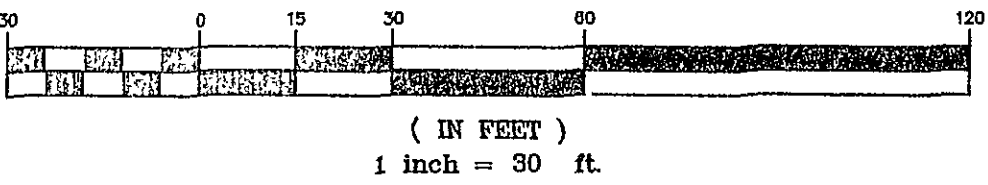
1. PROVIDE CONSTRUCTION MATERIALS AND METHODS IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS, INCLUDING THE STANDARDS AND SPECIFICATIONS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK", LATEST EDITION. REFER TO THIS HANDBOOK FOR DETAILS AND SPECIFICATIONS OF EROSION CONTROL DEVICES.
2. SCHEDULE 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.
13. THE LOCATION OF ALL FILL OR BORROW AREAS ASSOCIATED WITH THE CONSTRUCTION PROJECT WILL BE PROVIDED TO ROANOKE COUNTY COMMUNITY DEVELOPMENT. AN EROSION SEDIMENT CONTROL PLAN OR MEASURES MAY BE REQUIRED FOR THESE AREAS.
14. EROSION AND SEDIMENT CONTROL NARRATIVE ON SHEET 6.



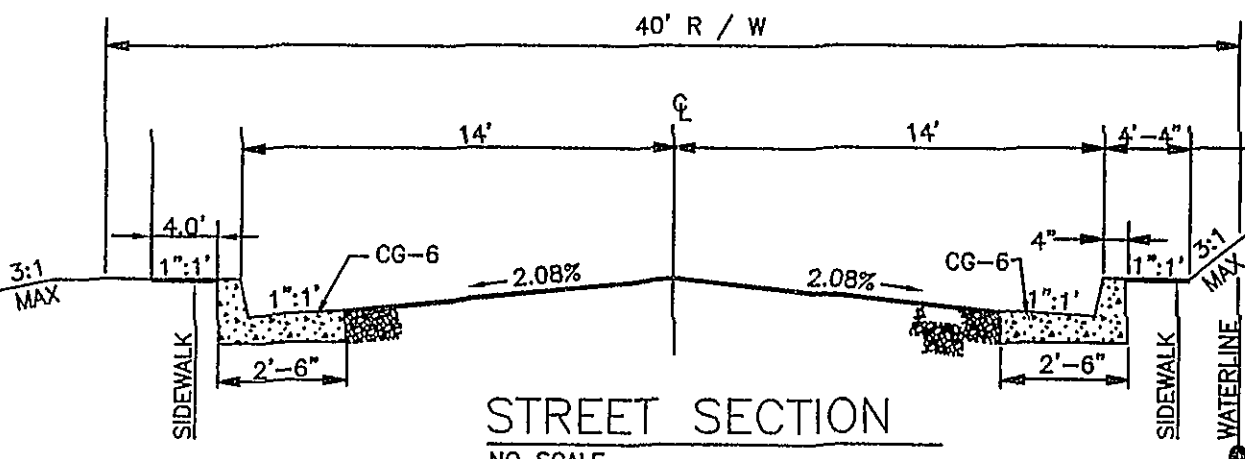
STORM STRUCTURE SCHEDULE

1. 51.31 LF 24" RCP @ 1.07% W/ ES-1
INV IN = 109.55
INV OUT = 109.00
2. 48" RISER WITH DI-7 TOP
TOP = 114.50
0.30" ORIFICE INV= 119.55
0.30" ORIFICE INV= 113.30
0.42" ORIFICE INV= 112.75
3. 43.75 LF 15" HDPE @ 2.95% W/ ES-1
INV IN = 112.04
INV OUT = 110.75
4. DI-3B 4' LENGTH
TOP = 115.15
5. 32 LF 15" HDPE @ 0.5%
INV IN = 112.30
INV OUT = 114.14
6. DI-3B 4' LENGTH
TOP = 115.15
7. 245.55 LF 15" HDPE @ 0.82%
INV IN = 114.15
INV OUT = 112.14
8. DI-3C 6' LENGTH
TOP = 117.47
9. 32 LF 15" HDPE @ 0.50%
INV IN = 114.41
INV OUT = 114.25
10. DI-3C 8' LENGTH
TOP = 117.47

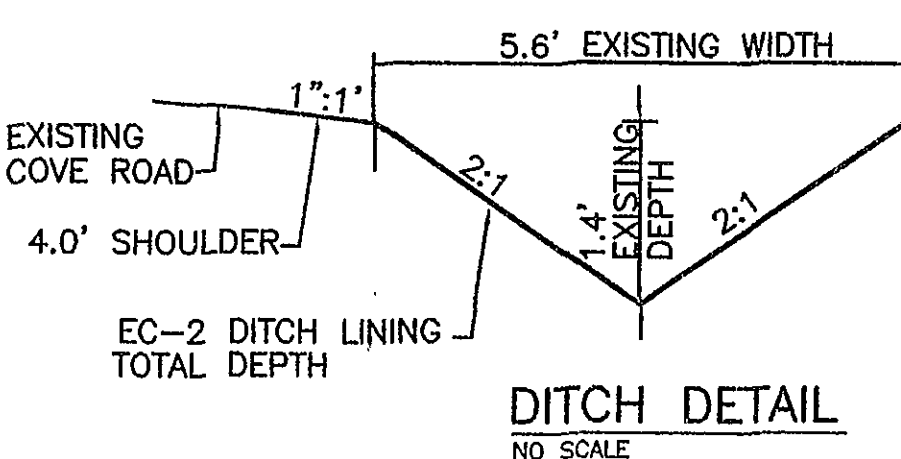
GRAPHIC SCALE



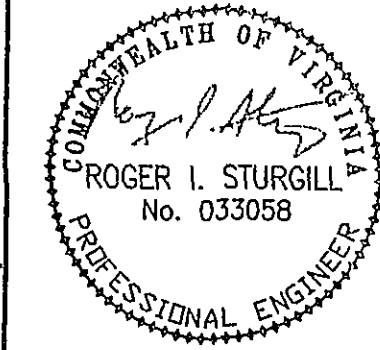
STREET SECTION



N/F ANTHONY CAUDLE AND APRIL CAUDLE
INSTR. #200213475
TAX PARCEL #36.20-1-37



OUTLET PROTECTION SIZING
RIP-RAP SIZE: AI
LA: 5 FEET
3dO 4 FEET
Wa: 9 FEET
DEPTH: 6"
SEE DETAIL SHEET C-5



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Virginia, Virginia 24462
Phone: 540/248-3500
FAX: 540/248-3321

GLEN HAVEN SUBDIVISION
Grading and Erosion Control Plan
CATAWBA MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

DRAWN BY: SMH
DESIGNED BY: SMH
CHECKED BY: RIS
DATE: 6-29-03
REVISIONS:
9-8-03
9-29-03
11-17-03
12-18-03
1-12-04
4-12-04
7-20-05
8-22-05

SCALE: 1" = 30'
SHEET NO.
3 OF 6
JOB NO.
R0300022.00