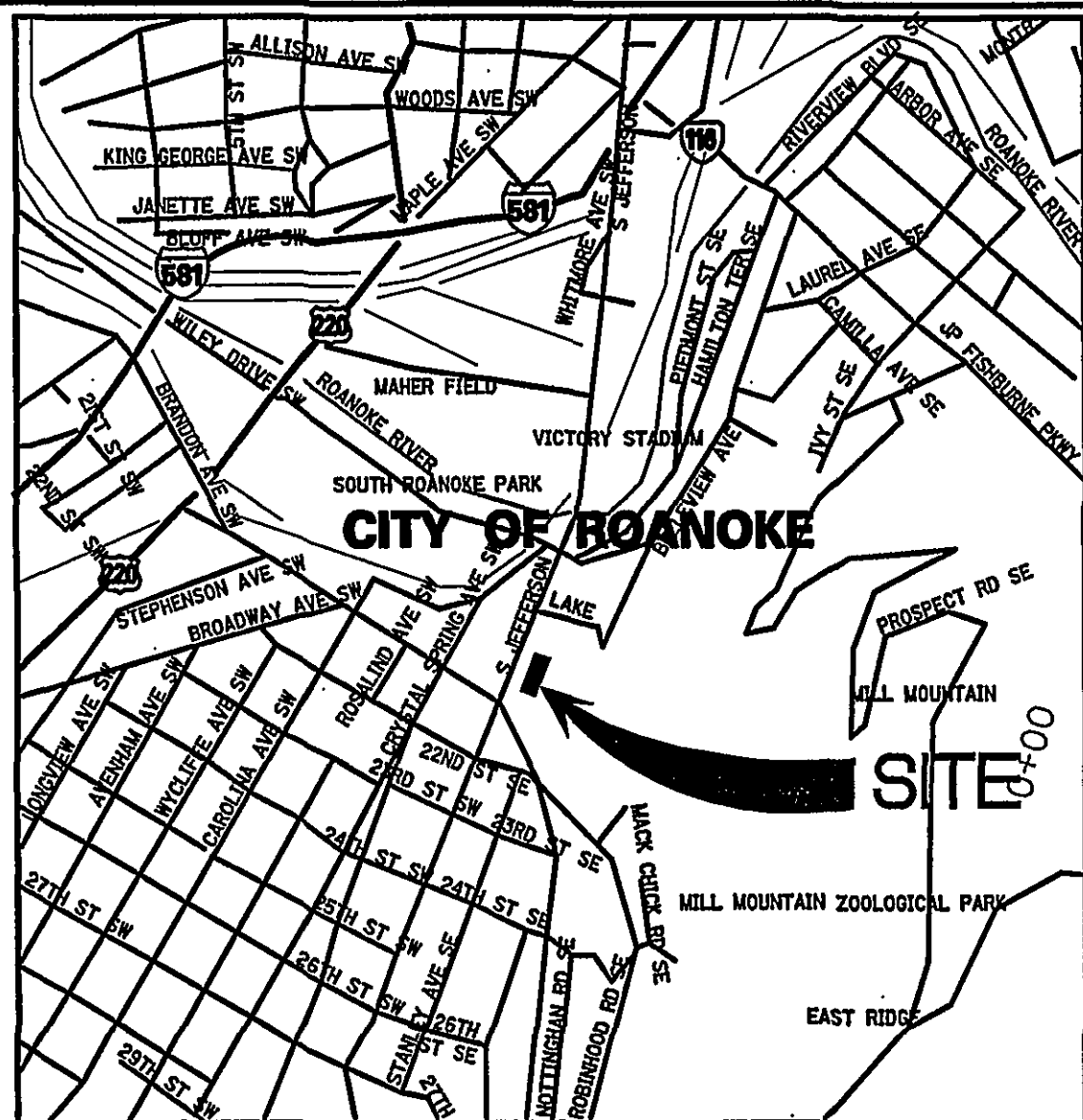


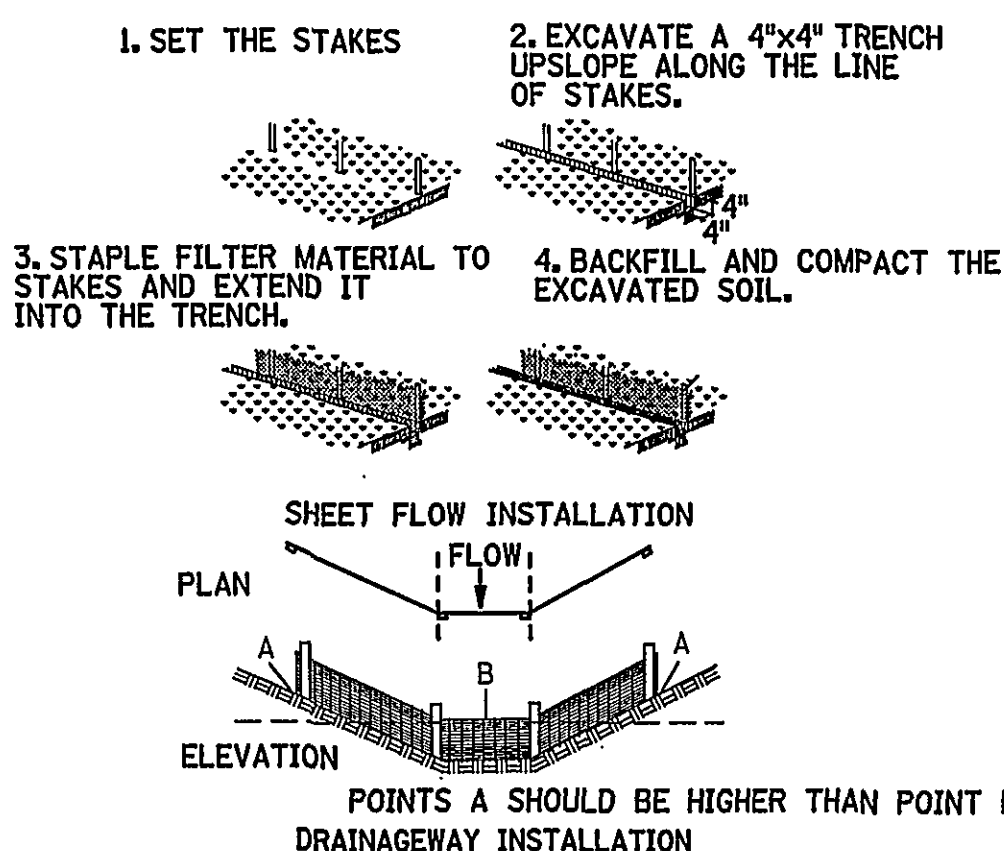


LOCATION MAP

NOT TO SCALE

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- ES-1 UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK" AND THE VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS.
- ES-2 THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- ES-3 ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
- ES-4 A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- ES-5 PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
- ES-6 THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
- ES-7 ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- ES-8 DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
- ES-9 THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.



CONSTRUCTION OF A SILT FENCE (WITHOUT WIRE SUPPORT) (SF)

NOT TO SCALE

ROCK CHECK DAM (CD)

NOT TO SCALE

INLET PROTECTION WITH SILT FENCE (IP)

NOT TO SCALE

TEMPORARY DIVERSION DIKE (DD)

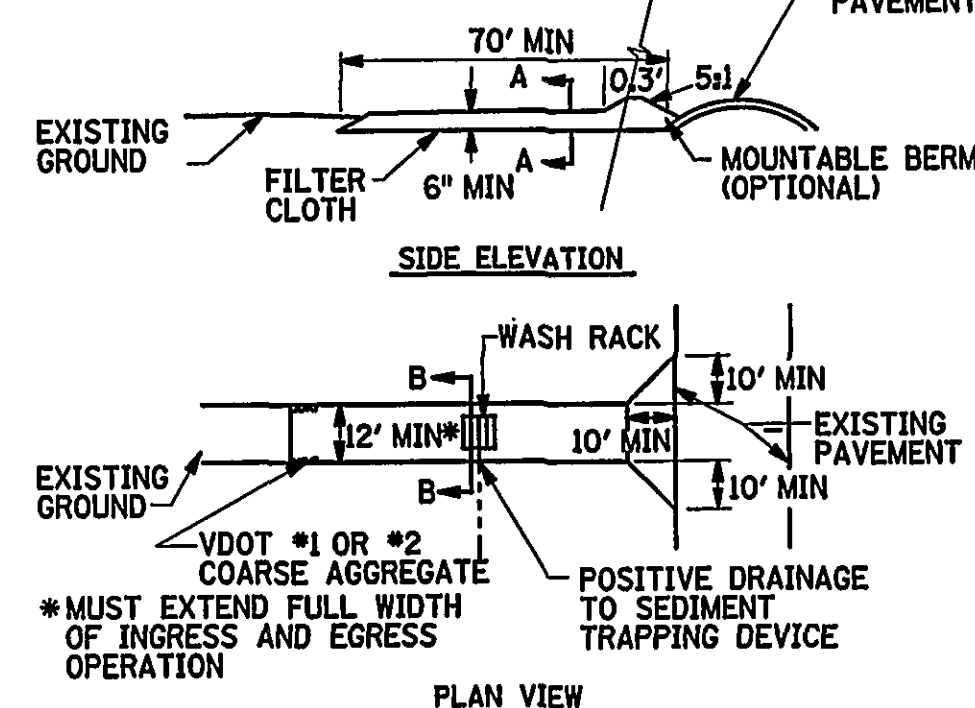
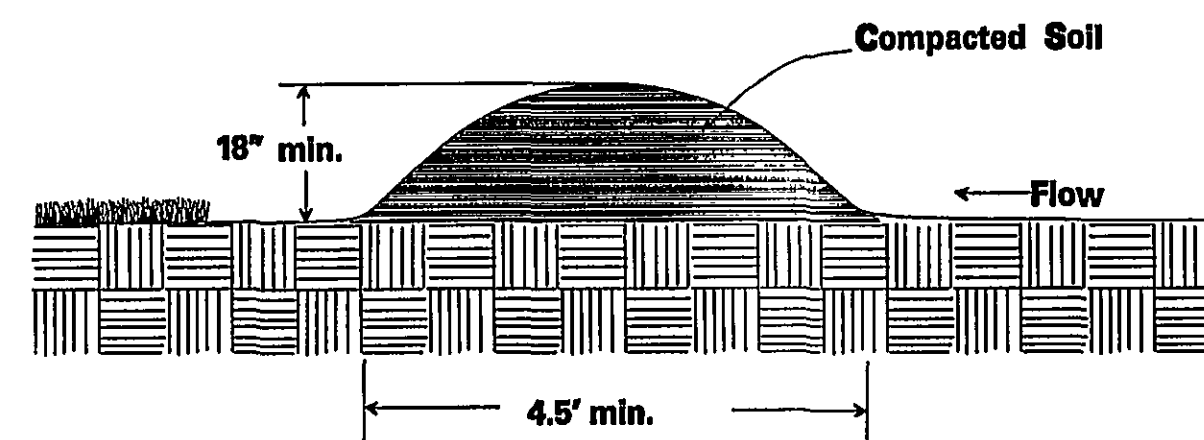
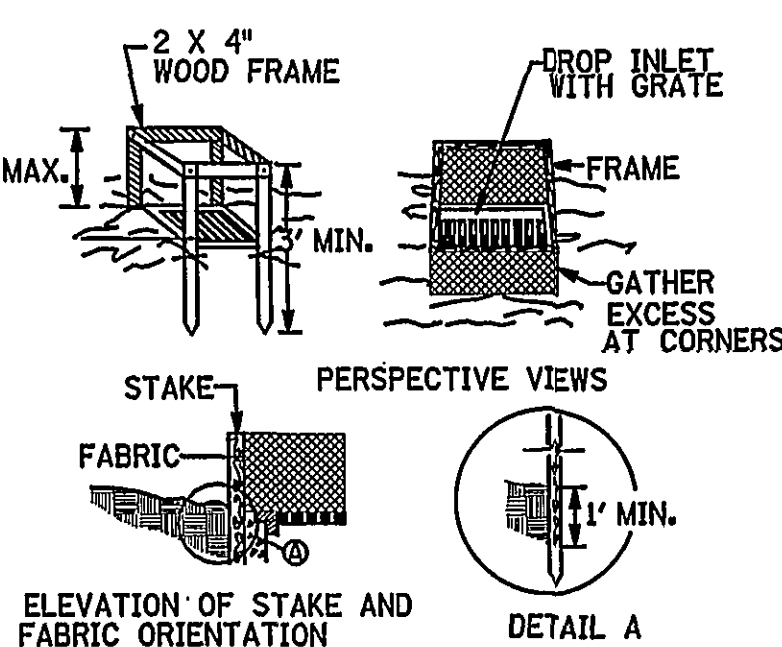
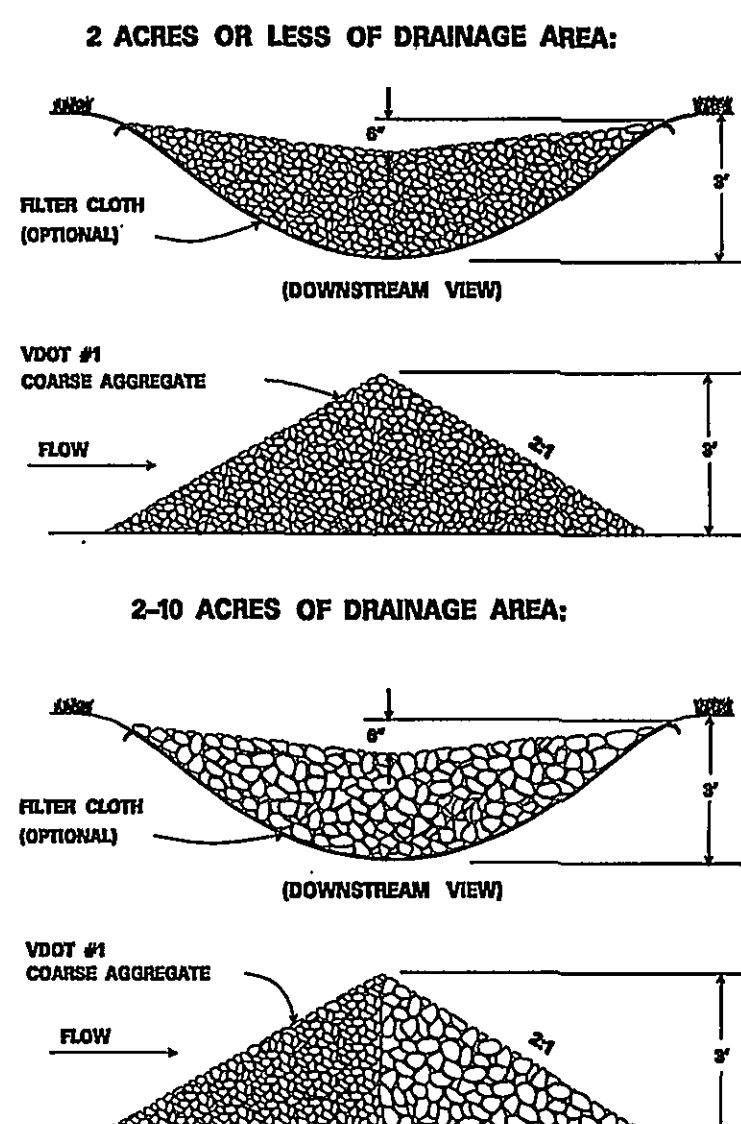
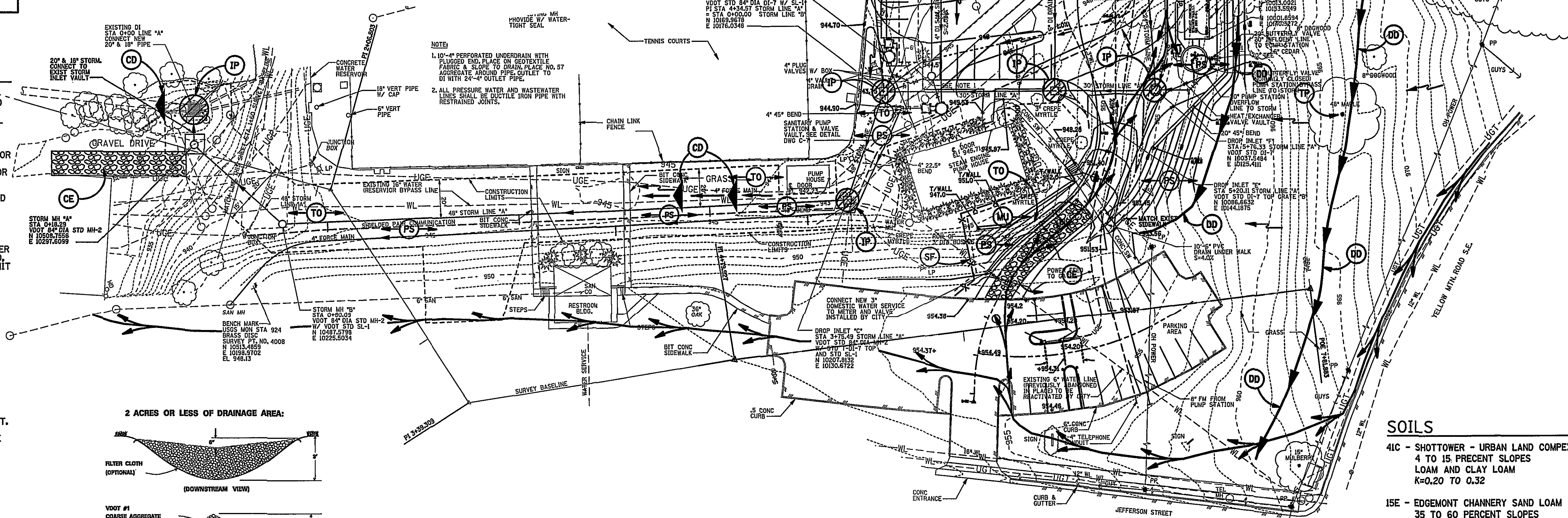
NOT TO SCALE

CONSTRUCTION ENTRANCE (CE)

NOT TO SCALE

EROSION CONTROL LEGEND

- TP TREE PRESERVATION
- CD ROCK CHECK DAMS
- DD TEMPORARY DIVERSION DIKE
- PS PERMANENT SEEDING
- TO TOP SOIL
- IP INLET PROTECTION
- MU MULCHING
- CE CONSTRUCTION ENTRANCE
- SF SILT FENCE
- DRAINAGE DIVIDE
- STORM SEWER
- EXISTING CONTOUR
- 1912 FINAL CONTOUR
- DRAINAGE FLOW



SOILS

41C - SHOTTOWER - URBAN LAND COMPLEX
4 TO 15 PERCENT SLOPES
LOAM AND CLAY LOAM
K=0.20 TO 0.32

15E - EDMONT CHANNERY SAND LOAM
35 TO 60 PERCENT SLOPES
K=0.15

THIS PLAN SHALL BE USED FOR EROSION CONTROL ONLY

RECORD DRAWING

DATE: MAY 1, 2003

Wiley & Wilson
ARCHITECTS ENGINEERS PLANNERS
An Employee-Owned Company

2310 LANGHORNE ROAD
LYNCHBURG, VIRGINIA 24501
(804) 947-1901

P.O. BOX 877
LYNCHBURG, VIRGINIA 24505-0877
24505-0877

HDR

HDR Engineering, Inc.
5700 LAKE WRIGHT DRIVE
NORFOLK, VIRGINIA 23502
757-222-1500

IN ASSOCIATION WITH

DESIGNED CWB	DRAWN JLW	PROJECT CRYSTAL SPRING WATER TREATMENT PLANT FOR THE CITY OF ROANOKE, VIRGINIA
CHECKED CWB	REVIEWED MKJ	REFERENCE CIVIL
COMM. NO. 200171.01	CADD NO. 200171C07.DGN	TITLE EROSION CONTROL PLAN & DETAILS
DATE AUG 26, 2001	DWG. NO. C-3	SHEET NO. 5 OF 72
REV.	DATE	BY
APP.	DATE	BY
DESCRIPTION	DATE	BY