

VIRGINIA DEPARTMENT OF TRANSPORTATION
GENERAL NOTES

1. QUALITY CONTROL

Streets to be graded, paved and all structural components erected in accordance with the Virginia Department of Transportation Road and Bridge Specifications and Road Design Standards dated January 1987. All materials used shall be tested in accordance with standard policies. The Developer must contact the Office of the Resident Engineer prior to beginning any construction at which time an Inspection and Testing Procedure Policy will be drawn. The Developer will produce test reports from approved independent laboratories at the Developer's expense.

The pavement designs shown are based on a subgrade rating of CBR10 or greater. The subgrade soil is to be tested by an independent laboratory and the results submitted to the Virginia Department of Transportation prior to pavement construction. Should the subgrade CBR values be less than CBR10, then additional base material will be required in accordance with departmental specifications.

The subgrade must be approved by the Virginia Department of Transportation prior to placement of the base material. Base must be approved by the Virginia Department of Transportation for depth, template and compaction before surface is applied.

2. UTILITIES

All necessary utility laterals will be placed prior to pavement base and conduit provisions made for the same (i.e. water, sewer, gas and telephone).

Gas or petroleum transmission lines will not be permitted within the pavement or shoulder element (back of curb to back of curb) of this development. Service laterals crossing and pipe lines located outside the pavement but inside the right-of-way will be constructed in conformity with ASA B 31.8 Specification and Safety Regulations. Distribution lines with pressure less than 120 psi are unaffected by the above.

Permits will be required for all utilities within the street right-of-way prior to acceptance into the secondary highway system.

Any easements granted to a utility company for placement of power, telephone, etc., must be released prior to acceptance.

3. PRIVATE ENTRANCES

Standard CG-8 gutter will be provided at all entrances to private lots where standard CG-6 curb and gutter is approved for use.

Permits will be required for all private entrances constructed on street rights-of-way prior to acceptance into the secondary highway system.

4. EROSION CONTROL AND LANDSCAPING

Care must be taken during construction to prevent erosion, dust and mud from damaging adjacent property, clogging ditches, tracking public streets and otherwise creating a public nuisance to surrounding areas.

The entire construction area back of the curbs and/or pavement shall be backfilled and seeded together with ditches and channels, at the earliest possible time after final grading.

Drainage easements must be defined by excavated ditches or channels for their full length to well defined existing natural watercourses.

This road will be reviewed during construction for the need of paved gutters. If erosion is encountered in any drainage easement, it will be the responsibility of the Developer to sod, rip-rap, grout, pave, or do whatever is necessary to correct the problem.

All vegetation and overburden to be removed from shoulder to shoulder prior to the conditioning (cutting and/or preparation) of the subgrade.

Minimum pavement radius of 25 feet required at all street intersections.

While these plans have been approved, such approval does not exempt connections with existing State maintained roads from critical review at the time permit applications are made. This is necessary in order that the prevailing conditions be taken into consideration regarding safety accommodations such as turning lanes.

Standard guardrail with safety end sections may be required on fills as deemed necessary by the Office of the Resident Engineer, Virginia Department of Transportation. After completion of rough grading operations, the VDOT Engineer shall be notified so that a field review may be made of the proposed locations.

Field review will be made during construction to determine the need and limits of paved gutter and/or ditch stabilization treatments, to determine the need and limits of additional drainage easements. All drainage easements must be cut and made to function to a natural watercourse. Any erosion problems encountered in an easement must be corrected by whatever means necessary prior to subdivision acceptance.

Contractor shall obtain entrance permit to the existing Virginia Department of Transportation right-of-way from the Resident Engineer prior to road construction.

An Inspector will not be furnished except for periodic progress inspection, the above mentioned field reviews and checking the required stone depths. The Developer will be required to post a surety to guarantee the road free of defects for one year after acceptance by the Virginia Department of Transportation.

The streets must be properly maintained until acceptance. At such time as all requirements have been met for acceptance, another inspection will be made to determine that the street has been properly maintained.

In order to meet public service requirements, all streets must serve a minimum of three occupied dwellings prior to acceptance.

The Contractor shall verify the location and elevation of all underground utilities shown on the plans in areas of construction prior to starting work. Contact the Engineer immediately if the location or elevation is different from that shown on the plan. If there appears to be a conflict, and upon discovery of any utility not shown on this plan, call "Miss Utility" of Central Virginia at 1-800-552-7001.

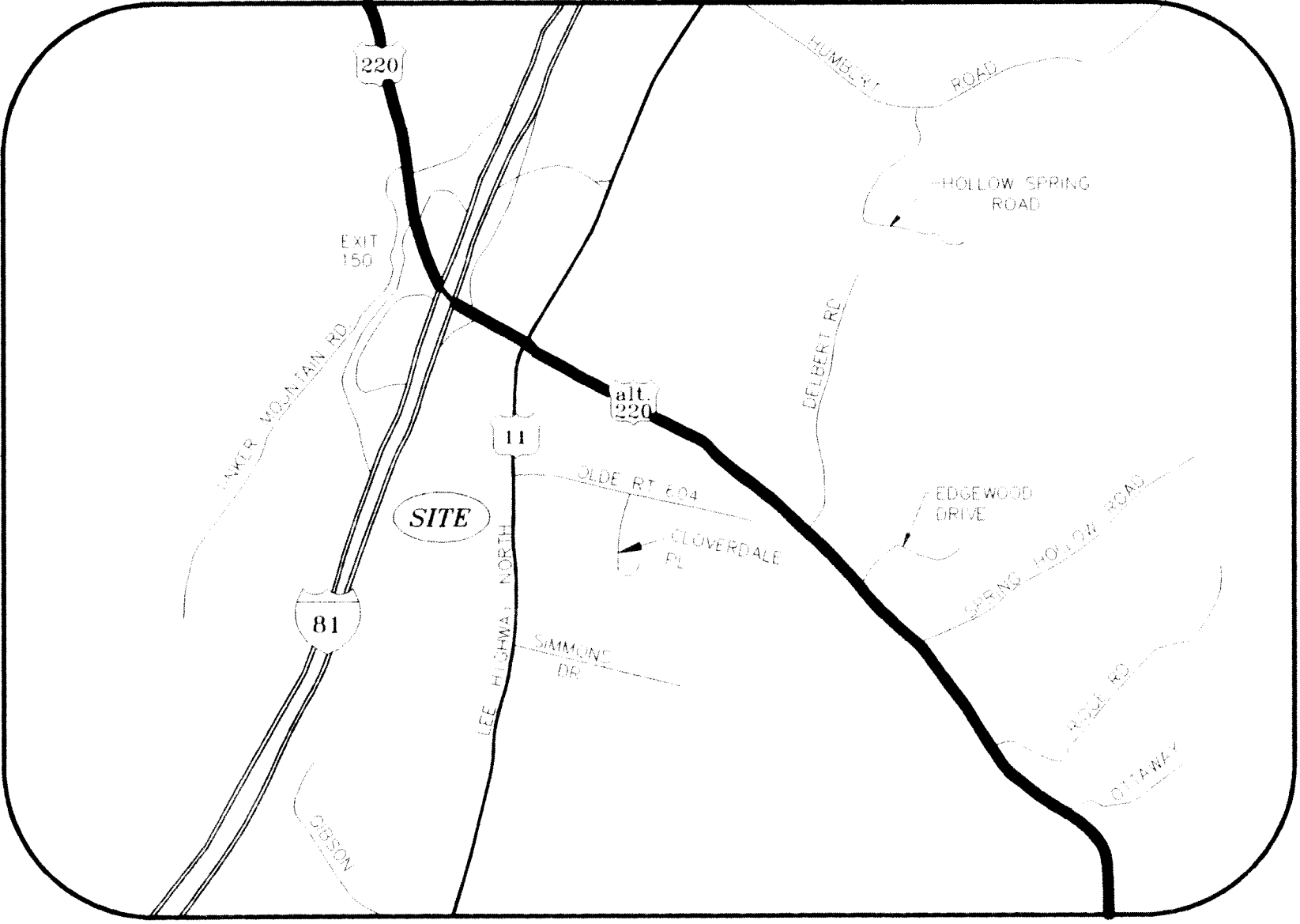
Approval of these plans will be based on specifications and standards in effect at the time of approval and will be subject, until completion of the roadway and acceptance by the Virginia Department of Transportation, to future revisions of the Specifications and Standards.

COMFORT INN

BUILDING ADDITION

VALLEY MAGISTERIAL DISTRICT

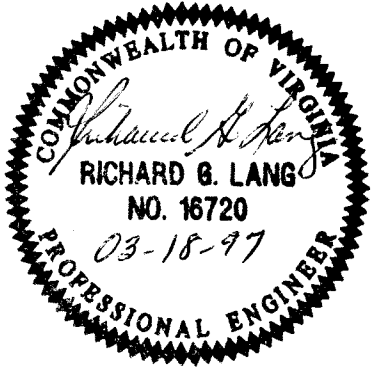
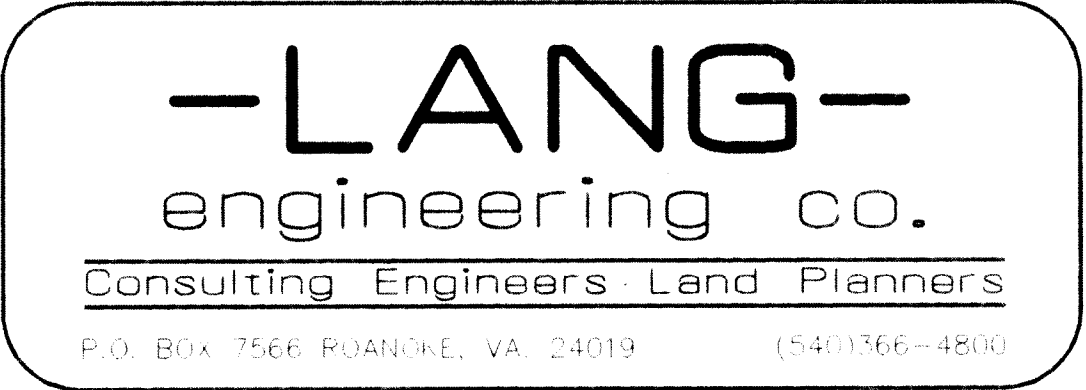
BOTETOURT COUNTY, VIRGINIA



VICINITY MAP

TAX NO: 101-144
TRACT SIZE: 5.691 ACRES
PRESENT ZONING: B-2
PRESENT USE: MOTEL (72 ROOMS)
PROPOSED USE: MOTEL (110 ROOMS)
SEWER: BOTETOURT COUNTY
WATER: HUB WATER COMPANY, INC.

DEVELOPER: INN AT DALEVILLE, L.L.C.
ADDRESS: C/O DOMINION LODGING
P.O. BOX 37
DALEVILLE, VA. 24083
PHONE: (540) 992-4077



PROJECT NAME: Comfort Inn
DATE: March 1997
TYPE: Bldg addition
LOCATION: See Hwy Nesth
TOTAL # SHEETS: 3
A/E FIRM: Lang Engineering
OF SETS: 1

HORIZONTAL AND VERTICAL CONTROL SURVEY PER
IN 1996 BY PHILLIP W. NESTER

ALL ELEVATIONS ARE REFERENCED TO THE U.S.G.S. DATUM

SOURCE OF TOPOGRAPHIC MAPPING IS PHILLIP W. NESTER, INC.
UNLESS OTHERWISE NOTED

BOUNDARY SURVEY PERFORMED BY PHILLIP W. NESTER, INC.

LEGEND

BOUNDARY:	
TRACT BOUNDARY	=====
PROPERTY LINE	=====
RIGHT-OF-WAY	=====
CENTERLINE	=====
MIN. BUILDING LINE	=====
UTILITIES:	
EXISTING STORM SEWER	-----o-----
PROPOSED STORM SEWER	-----o-----
EXISTING SANITARY SEWER	-----o-----
PROPOSED SANITARY SEWER	-----o-----
EXISTING WATER MAIN	-----x-----
PROPOSED WATER MAIN	-----x-----
TOPOGRAPHIC:	
EXISTING CONTOUR	-----1200-----
PROPOSED CONTOUR	-----1200-----
MISCELLANEOUS:	
PROPOSED LIMIT OF CLEARING	=====
EXISTING CURB & GUTTER	=====
PROPOSED CURB & GUTTER	=====
PROPOSED PAVEMENT	=====

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	MASTER ENGINEERING PLAN
3	EROSION & SEDIMENT CONTROL DETAIL SHEET

Reviewed
Approved
KAS 4/1/97

RECEIVED
MAR 18 1997
DEVELOPMENT SERVICES

GENERAL NOTES:

THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES AS SHOWN ON THE PLANS IN AREAS OF CONSTRUCTION PRIOR TO BEGINNING ANY WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF:

- 0 ANY LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLANS
- 0 IF THERE APPEARS TO BE A CONFLICT WITH ANY OF THE PROPOSED IMPROVEMENTS.
- 0 UPON DISCOVERY OF ANY UTILITY OR OBSTACLE NOT SHOWN ON THE PLANS.

UTILITIES MAY BE LOCATED BY CALL "MISS UTILITY" AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION AT THE FOLLOWING TELEPHONE NUMBER: 1-800-552-7001

ALL FILL MATERIAL SHALL BE PLACED IN 6"-8" LIFTS AND COMPACTED TO A DENSITY OF 95% STANDARD PROCTOR. COMPACTION OF ALL FILL MATERIAL SHALL BE TESTED BY AN INDEPENDENT SOIL TESTING LABORATORY WITH SUFFICIENT KNOWLEDGE OF SUCH TESTING PROCEDURES.

THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION WITH THE BOTETOURT COUNTY DEPARTMENT OF PUBLIC WORKS AND HUB WATER CO. WITH REGARD TO ANY WORK THAT MAY INVOLVE THE POSSIBLE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. ANY SERVICE DISRUPTION SHALL BE KEPT TO A MINIMUM.

THE MINIMUM DEPTH OF ALL WATERLINES SHALL BE THREE (3) FEET TO THE TOP OF THE WATERLINE.

BOUNDARY AND TOPOGRAPHIC INFORMATION OBTAINED FROM FIELD SURVEY AS PERFORMED BY PHILIP P. NESTER, INC., DATED NOV. 1997.

NOTE: THE SUBJECT PROPERTY IS NOT WITHIN THE LIMITS OF THE 100 YEAR FLOOD BOUNDARY AS SHOWN ON THE FEMA FLOOD BOUNDARY MAP.

NOTE: PROPERTY LINE AS SHOWN WAS OBTAINED FROM DEED INFORMATION AND HAS NOT BEEN FIELD VERIFIED.

EROSION AND SEDIMENT CONTROL NOTES:

ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE 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.

EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS SHOWN ON THE PLANS.

ALL DENUDED AREAS SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF FINAL GRADING.

THE CONTRACTOR SHALL CHECK THE CONDITIONS OF THE EROSION CONTROL DEVICES AT THE END OF EACH DAY AND AFTER EVERY RAINFALL.

NOTE: THE OWNER/DEVELOPER OF THE PROJECT, DOMINION LODGING, HEREBY AGREES TO INSTALL ALL PROPOSED AND APPROVED EROSION AND SEDIMENT CONTROL DEVICES ACCORDING TO THE ENGINEERING PLANS AND EROSION CONTROL NARRATIVE.

Sudhakar J. & Geeta S. Lavingia
Tax Map No. 101-143H
Zoned: B2

PROPOSED ADDITION
FF ELEV = 1214.33
SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL RELATIONSHIP BETWEEN PROPOSED ADDITION AND EXISTING MOTEL

Bland A. & Betty Jane Painter, III
C/O North Lake Foods
Tax Map No. 101-143C
Zoned: B2

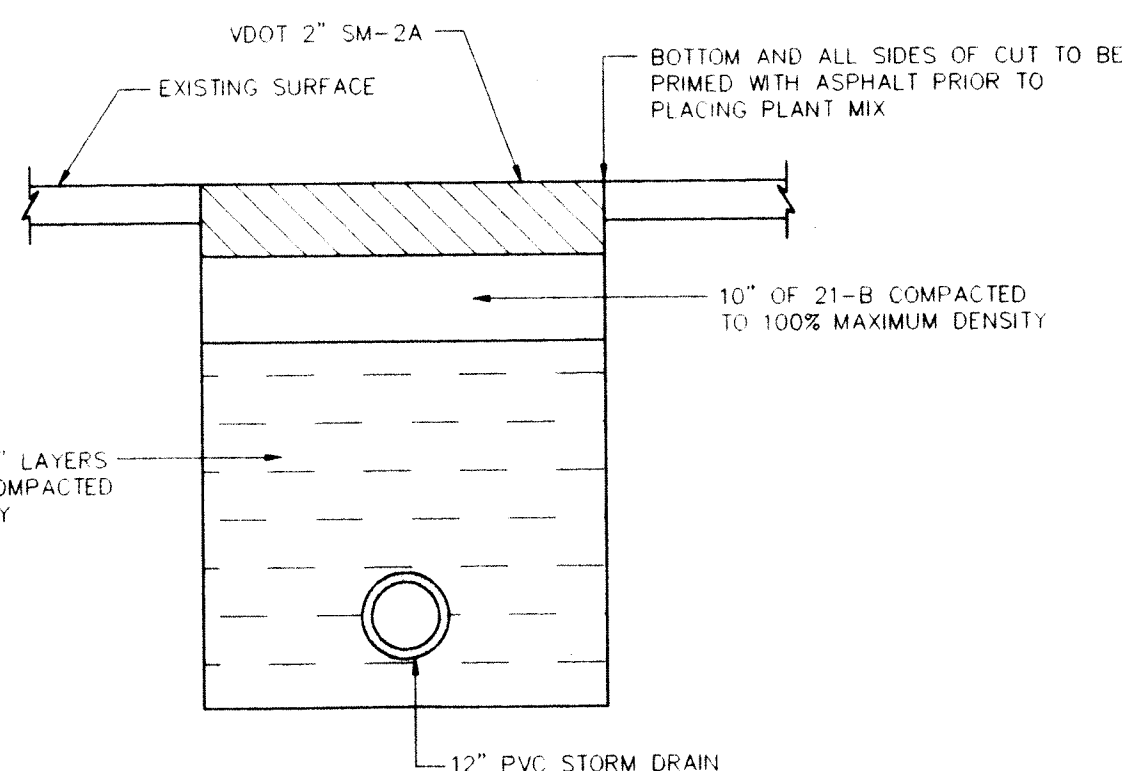
Thomas H. Williams
Tax Map No. 101-144A
Zoned: B2

Rodney M. & Mary C. Layman
Tax Map No. 101-145A
Zoned: A1

DETENTION BASIN OUTLET STRUCTURE
N.T.S.

STORM DRAIN STRUCTURES
POND OUTLET STRUCTURE (SEE DETAIL)
140 LF = 12" PVC SDR35; SLOPE = 0.50%
INV. IN = 1209.46; INV. OUT = 1208.76

NUMBER	DIRECTION	DISTANCE
L1	N 52°54'25" W	700.83
L2	N 24°43'00" E	484.26
L3	S 65°17'00" E	172.31
L4	S 24°43'00" W	150.00
L5	S 65°17'00" E	123.30
L6	S 00°16'05" W	13.46
L7	S 76°39'27" E	61.84
L8	S 65°17'00" E	84.21
L9	S 01°29'10" E	539.95



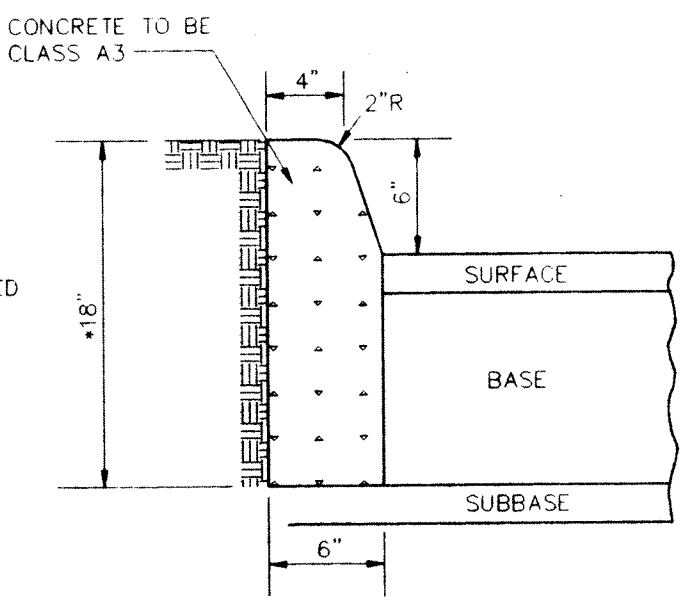
OPEN CUT ROAD CROSSING
N.T.S.

(X) NUMBER OF PARKING SPACES
PARKING SPACES REQUIRED: 132 (12 SPACE/ROOM)
PARKING SPACES PROVIDED: 132

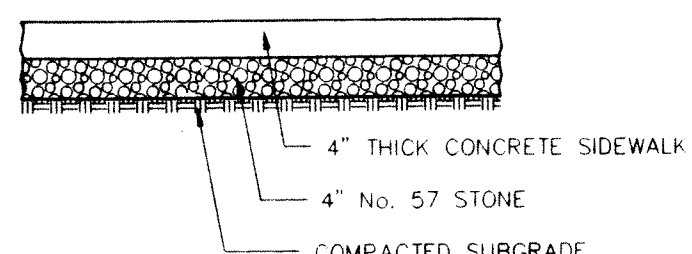
EROSION & SEDIMENT CONTROL SYMBOLS

- (CE) STD & SPEC 3.02; CONSTRUCTION ENTRANCE
- (SF) STD & SPEC 3.05; SILT FENCE
- (IP) STD & SPEC 3.07; STORM DRAIN INLET PROTECTION
- (PS) STD & SPEC 3.32; PERMANENT SEEDING

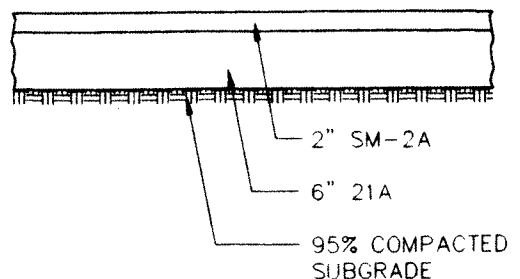
* THE DEPTH OF CURB MAY BE REDUCED AS MUCH AS 3" (15" DEPTH) OR INCREASED AS MUCH AS 3" (21" DEPTH) IN ORDER THAT THE BOTTOM OF CURB COINCIDE WITH THE TOP OF A COURSE OF THE PAVEMENT SUBSTRUCTURE OTHERWISE THE DEPTH IS TO BE 18" AS SHOWN.



STANDARD 6" CURB
CG-2
N.T.S.



CONCRETE SIDEWALK
N.T.S.



CAR PARKING AREA
N.T.S.

DATE	REVISIONS
6	1
5	2
4	3
3	4
2	5
1	6

DATE: MARCH 13, 1997	SCALE: 1" = 30'
JOB No: 961126	DRAWN BY: MMB
ACAD # 961126	CHKD: WHH/RGL
	120
	60
	30
	0

-LANG-
engineering co.
Consulting Engineers - Land Planners
P.O. BOX 7566 ROANOKE, VA 24019 (540)366-4800

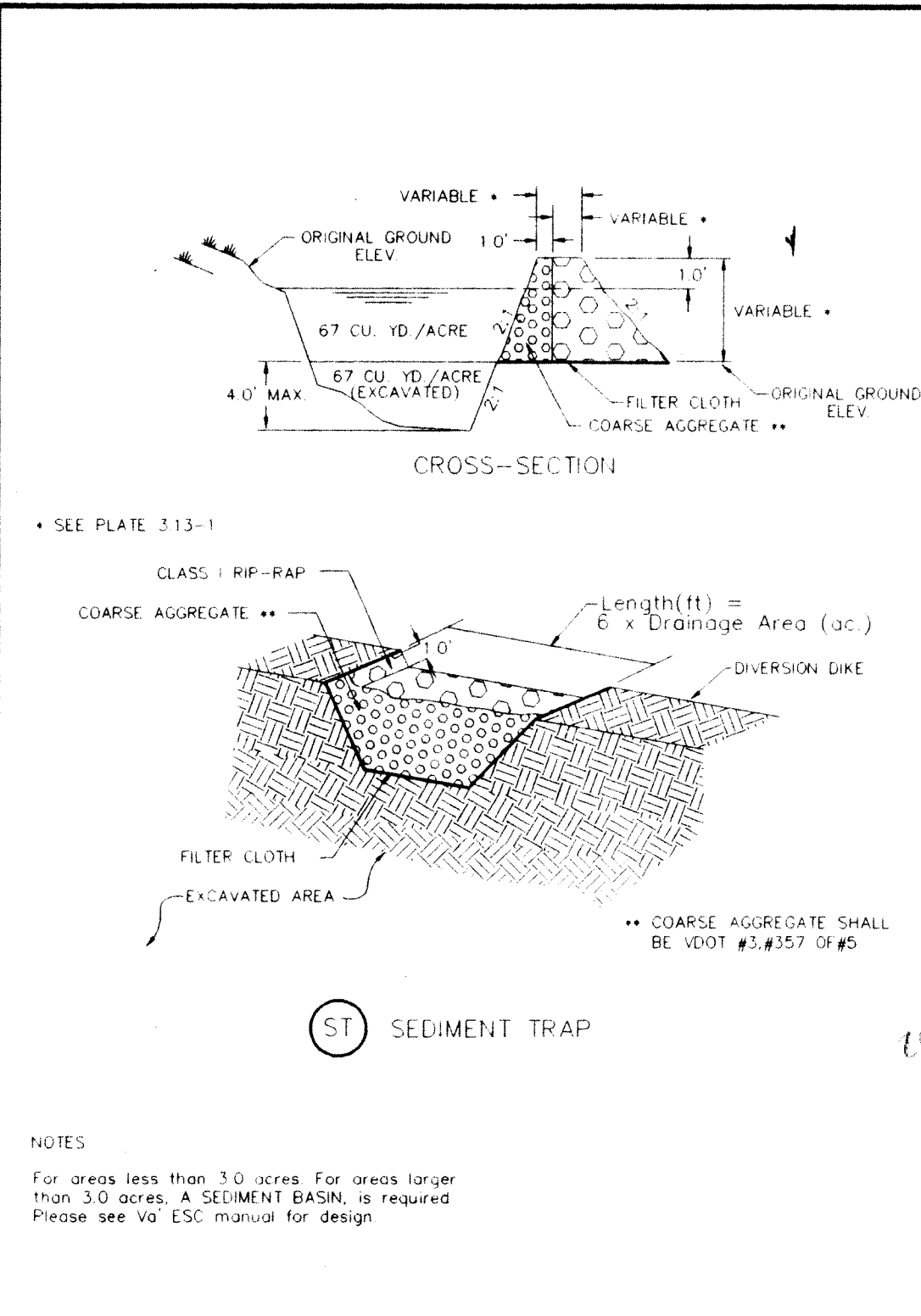
RECEIVED
MAR 18 1997
DEVELOPMENT SERVICES

MASTER ENGINEERING PLAN
PROPOSED BUILDING ADDITION
COMFORT INN
VALLEY MAGISTERIAL DISTRICT
BOTETOURT COUNTY, VIRGINIA

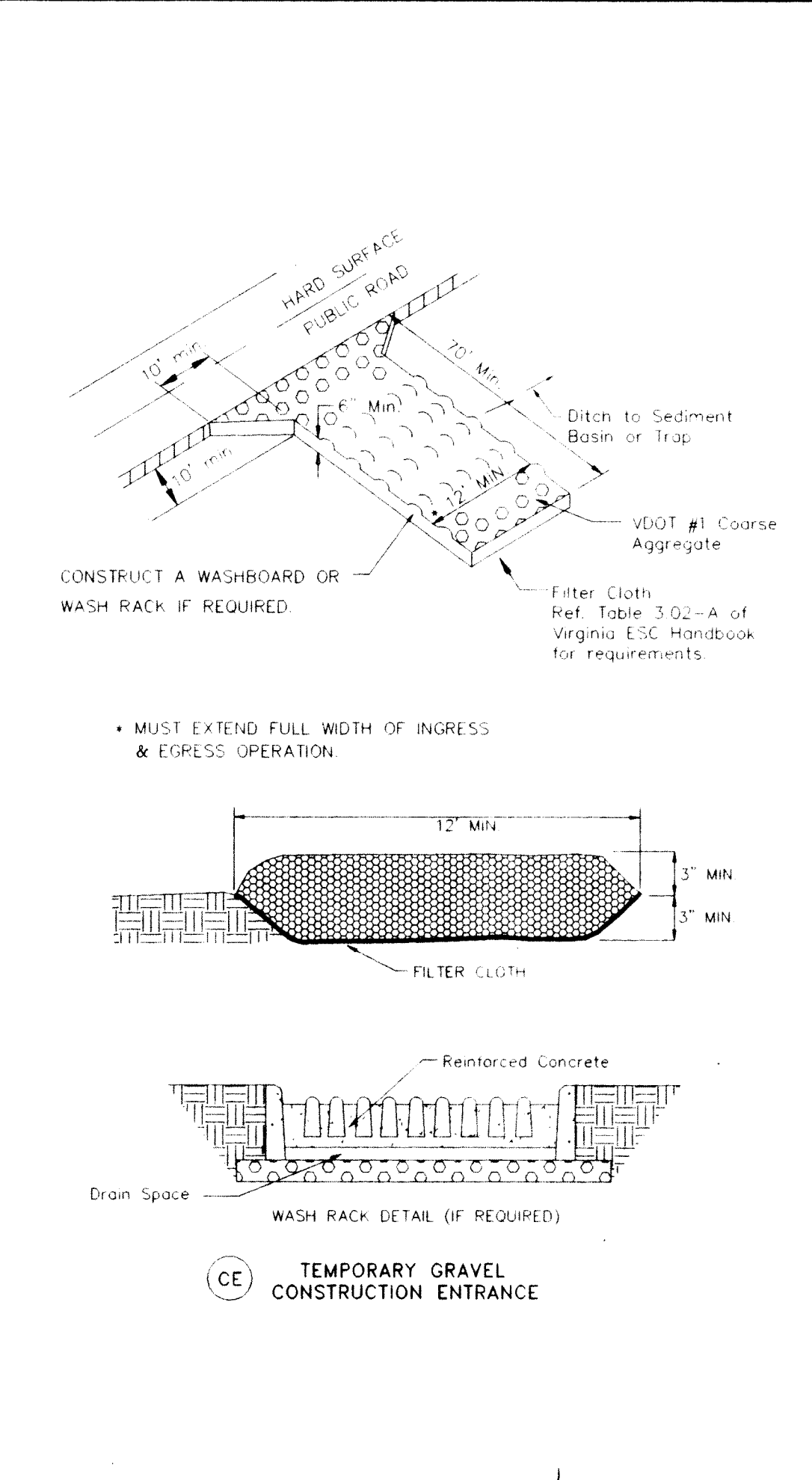
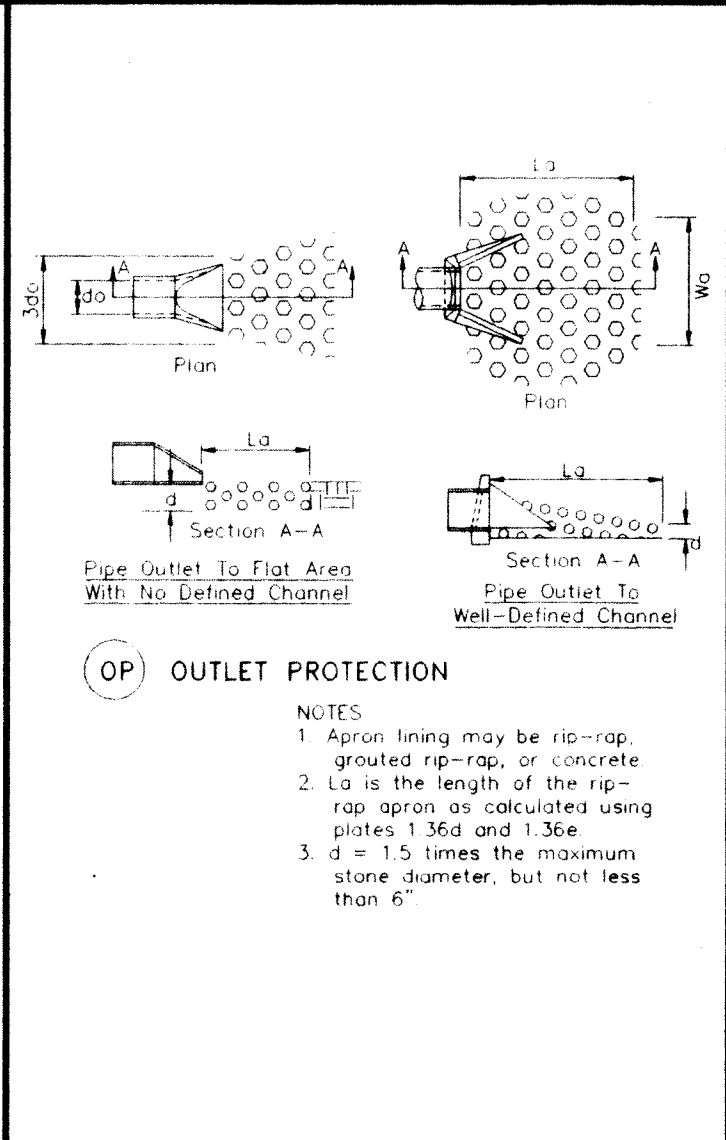
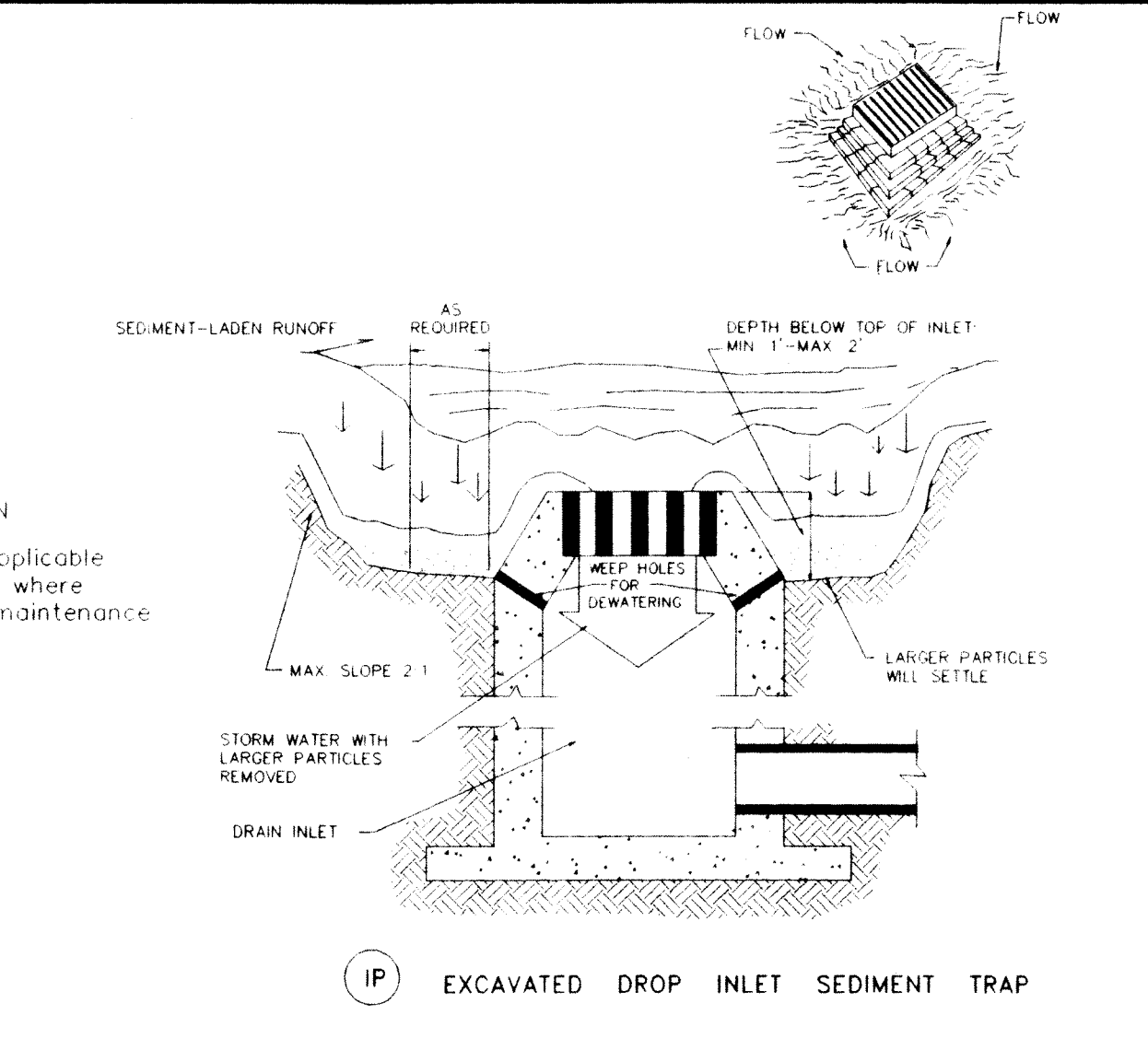
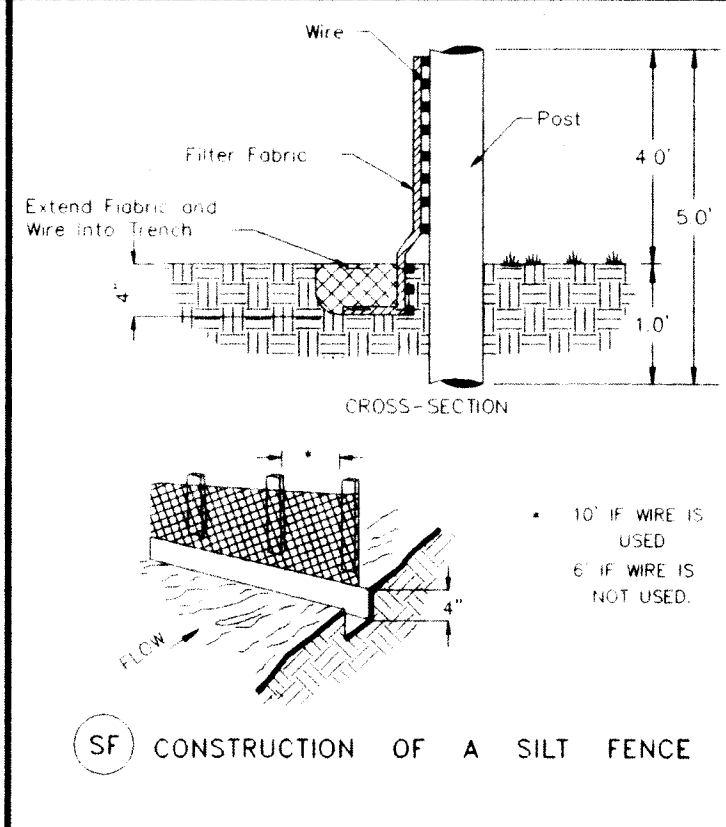
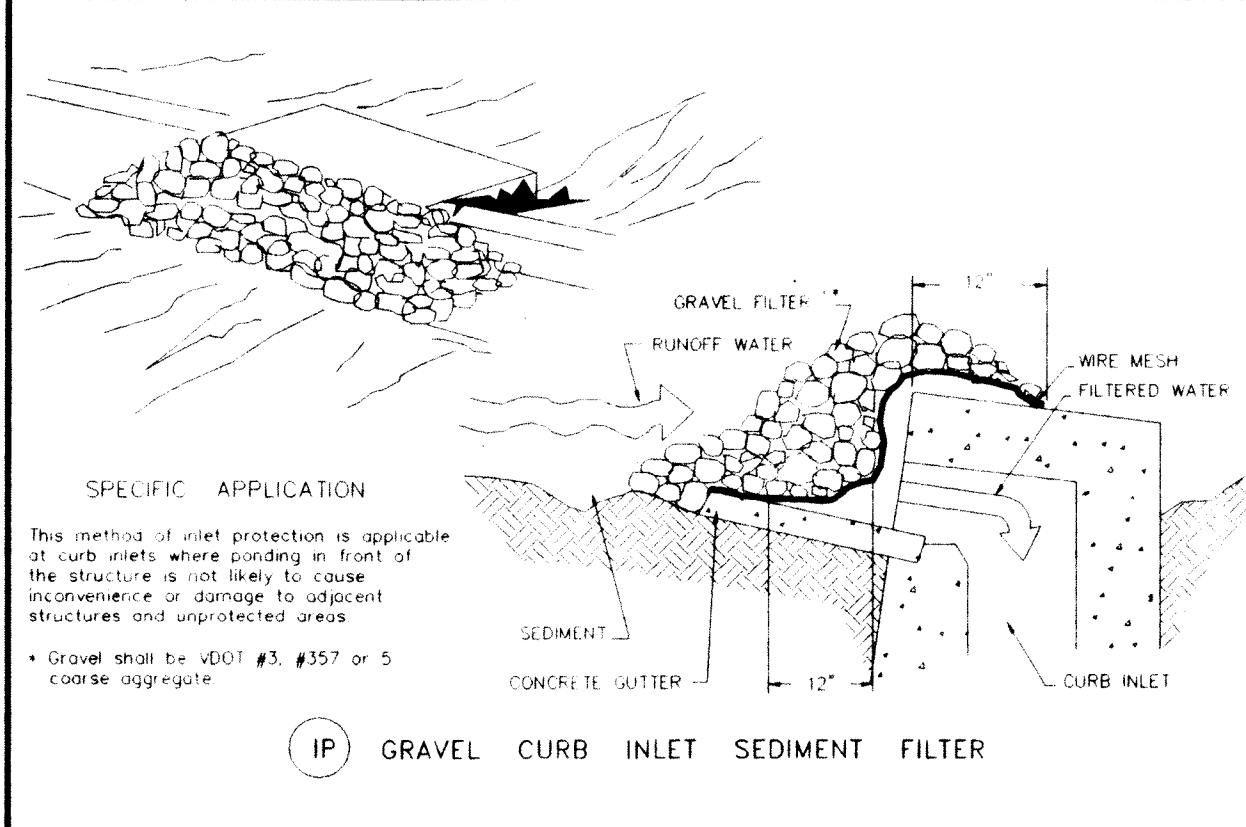
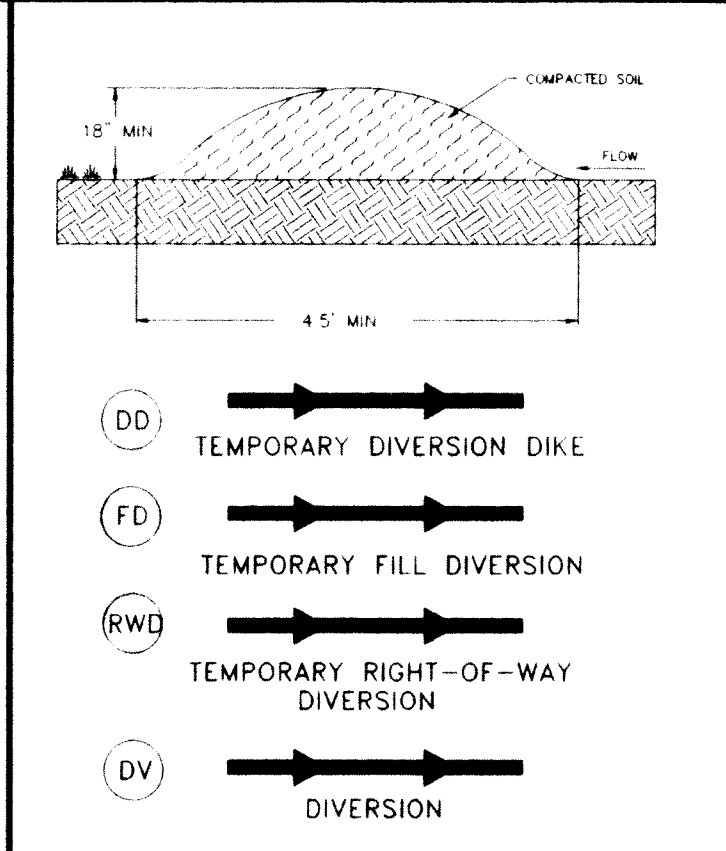
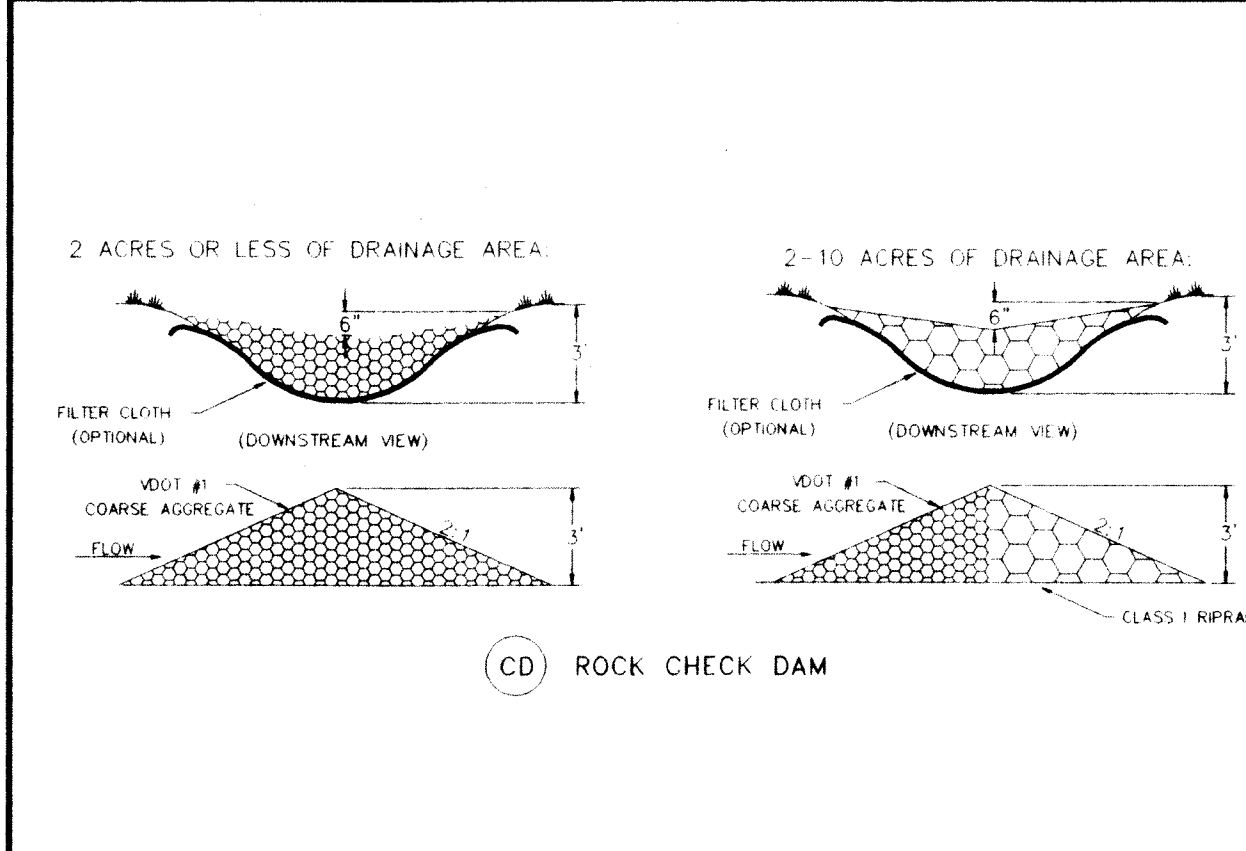
SHEET NO.
2
3
OF

STORMWATER MANAGEMENT COST ESTIMATE				
ALL COSTS GIVEN ARE COMPLETE IN PLACE				
DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
CLEARING & GRUBBING	LS		\$	\$
EXCAVATION	CY		\$	\$
EMBANKMENT	CY		\$	\$
FENCING	LF		\$	\$
STRUCTURES	LS		\$	\$
ACCESS ROAD				
AS-BUILTS	LS		\$	\$
SUB-TOTAL				\$
10% CONTINGENCY				\$
TOTAL PROJECT COST				\$

NO.	TITLE	KEY	SYMBOL	NO.	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	SAF		3.20	ROCK CHECK DAMS	CD	
3.02	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE STABILIZATION	CE		3.21	LEVEL SPREADER	LS	
3.03	CONSTRUCTION ROAD STABILIZATION	CRS		3.22	VEGETATIVE STREAMBANK STABILIZATION	VSS	
3.04	STRAW BALE BARRIER	STB		3.23	STRUCTURAL STREAMBANK STABILIZATION	SSS	
3.05	SILT FENCE	SF		3.24	TEMPORARY VEHICULAR STREAM CROSSING	VSC	
3.06	BRUSH BARRIER	BB		3.25	UTILITY STREAM CROSSING	USC	
3.07	STORM DRAIN INLET PROTECTION	IP		3.26	DEWATERING STRUCTURE	DS	
3.08	CULVERT INLET PROTECTION	OP		3.27	TURBIDITY CURTAIN	TC	
3.09	TEMPORARY DIVERSION DIKE	DD		3.28	SUBSURFACE DRAIN	SD	
3.10	TEMPORARY FILL DIVERSION	FD		3.29	SURFACE ROUGHENING	SR	
3.11	TEMPORARY RIGHT-OF-WAY DIVERSION	RWD		3.30	TOPSOILING	TO	
3.12	DIVERSION	DV		3.31	TEMPORARY SEEDING	TS	
3.13	TEMPORARY SEDIMENT TRAP	ST		3.32	PERMANENT SEEDING	PS	
3.14	TEMPORARY SEDIMENT BASIN	SB		3.33	SODDING	SO	
3.15	TEMPORARY SLOPE DRAIN	TSD		3.34	BERMUDA GRASS AND ZOYSIAURASS ESTABLISHMENT	BZ	
3.16	PAVED FLUME	PF		3.35	MULCHING	MU	
3.17	STORMWATER CONVEYANCE CHANNEL	SCC		3.36	SOIL STABILIZATION BLANKETS AND MATING	BSM	
3.18	OUTLET PROTECTION	OP		3.37	TREES, SHRUBS, VINES AND GROUND COVERS TREE PRESERVATION AND PROTECTION	VEG	
3.19	RIPRAP	RR		3.38			
				3.39	DUST CONTROL	DC	



EROSION-SILTATION CONTROL COST ESTIMATE				
ALL COSTS GIVEN ARE COMPLETE IN PLACE				
DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
OUTLET PROTECTION	EA	1	75.00	75.00
INLET PROTECTION	EA	2	75.00	150.00
SILT FENCE	LF	300	3.00	900.00
PERMANENT SEEDING	1000 SF	15.0	40.00	600.00
STORMWATER PAV	CY	300	1.50	450.00
OUTLET	EA	1	1500	1500
12" PIPE SLOPE	LF	140	10	1400
SUB-TOTAL				5075.00
10% CONTINGENCY				507.50
TOTAL PROJECT COST				5582.50



GENERAL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

2. THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, CHANGE, OR OTHERWISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE ENCOUNTERED THAT WARRANT SUCH MODIFICATIONS.

3. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLAN SHALL BE PLACED IN ADVANCE OF THE WORK BEING PERFORMED, AS FAR AS PRACTICAL.

4. IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.

5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAY'S WORK.

6. FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. THESE SYMBOLS AND KEYS ARE TO BE UTILIZED ON ALL EROSION CONTROL PLANS SUBMITTED TO BOTETOURT COUNTY.

TEMPORARY SEEDING SPECIFICATION

LIME: 2 TONS/ACRE OF AGRICULTURAL LIMESTONE

FERTILIZER: 600 LBS./ACRE OF 10-20-10 (14 LBS./1000 SQ. FT.)

NOTE: LIME AND FERTILIZER SHALL BE INCORPORATED WITHIN THE TOP 2 TO 4 INCHES OF THE SOIL.

SEED

SEPTEMBER 1 THRU FEBRUARY 15

50% ANNUAL RYEGRASS

50% CEREAL (WINTER) RYEGRASS

SOW AT 50 TO 100 LBS./ACRE

FEBRUARY 16 THRU APRIL 30

100% ANNUAL RYEGRASS

SOW AT 60 TO 100 LBS./ACRE

MAY 1 THRU AUGUST 31

100% GERMAN MILLET

SOW AT 50 LBS./ACRE

PERMANENT SEEDING SPECIFICATION

PERMANENT SEEDING SHALL BE APPLIED TO ALL DISTURBED AREAS WITHIN 7 DAYS OF FINAL GRADING OPERATIONS. THE SPECIFICATIONS FOR THE SEEDING TYPE AND APPLICATION RATE SHALL BE AS FOLLOWS:

LIME: 3 TONS/ACRE OF PULVERIZED AGRICULTURAL LIMESTONE

140 LBS./1000 SQ. FT.

FERTILIZER: 1000 LBS./ACRE OF 5-20-10 OR 7 LBS./1000 SQ. FT. OF 38-0-0 (SPRING APPLICATION)

SEED MIXTURE: 80% TALL FESCUE

20% KENTUCKY BLUEGRASS

SOW AT 200 LBS./ACRE

MULCH: IF REQUIRED, SHALL BE USED OVER ALL SEEDED AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 1.75 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

SOIL CONDITIONING

INCORPORATION OF LIME AND FERTILIZER, SELECTION OF CERTIFIED SEED, MULCHING, MAINTENANCE OF NEW SEEDINGS, AND RESEEDING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. ADDITIONAL SEEDING TO BE PERFORMED AS REQUIRED BY THE INSPECTOR.

SEED APPLICATION: APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER ON A FIRM, FRIABLE, SEEDED MAXIMUM SEEDING DEPTH SHALL BE 1/4 INCH.

TOTAL DISTURBED AREA = 0.60 AC. = 26,136 SQ. FT.

DATE: MARCH 13, 1997

SCALE: N.T.S.

JOB NO. 961126

DRAWN BY: MMB

ACAD # 9611260

CHKD: WHH/RGL

REVISIONS

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