

GENERAL NOTES

- CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CURRENT SPECIFICATIONS AND STANDARDS OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION, AND ANY OTHER APPLICABLE CITY ORDINANCE AND CODE.
- PRIOR TO CONSTRUCTION OR EXCAVATION, THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY OF LOCATING ANY UNDERGROUND UTILITIES (PUBLIC OR PRIVATE) THAT MAY EXIST AND CROSS THROUGH THE AREA OF CONSTRUCTION AND THAT ARE NOT SHOWN ON THESE PLANS. BEFORE YOU DIG, CALL "MISS UTILITY" 1-800-552-7001. REMOVAL OR RELOCATION OF ALL UTILITIES AND/OR APPURTENANCES WILL BE AT THE RISK AND EXPENSE OF THE CONTRACTOR. THESE INCLUDE, BUT ARE NOT LIMITED TO DOMINION VIRGINIA POWER, SEWER, WATER, TELEPHONE, LONG-DISTANCE COMMUNICATIONS, CABLE TELEVISION, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AS DIRECTED BY THE OWNER, AT HIS EXPENSE ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS ANY PAVEMENT, DRIVEWAYS, WALKS, CURBS, LANDSCAPING, ETC., THAT MAY BE CUT OR THAT ARE DAMAGED DURING CONSTRUCTION AT HIS OWN EXPENSE.
- CURB AND GUTTER SHALL BE CONSTRUCTED IN SECTIONS OF UNIFORM LENGTHS OF APPROXIMATELY 10 FEET, AS NECESSARY TO FORM CLOSURES. EXPANSION JOINTS SHALL BE FORMED AT INTERVALS OF APPROXIMATELY 100 FT USING 1/2 INCH PRE-MOLDED BITUMINOUS FIBER JOINT FILLER. NO SECTIONS SHALL BE LESS THAN 6 FEET.
- TOPSOIL, SOD AND FERTILIZE ALL AREAS WITHIN THE PROJECT LIMITS NOT OCCUPIED BY STRUCTURES, PAVEMENT, OR SIDEWALKS, AND NOT DESIGNATED TO BE LANDSCAPED. UNLESS OTHERWISE NOTED, TEMPORARY SEEDING OR STABILIZATION WILL BE REQUIRED WITHIN 15 DAYS OF CONSTRUCTION.
- TRAFFIC CONTROL SHALL COMPLY WITH THE CURRENT EDITIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND THE VIRGINIA WORK AREA PROTECTION MANUAL AS REQUIRED.
- CONTRACTOR SHALL HAND EXCAVATE NEAR EXISTING UTILITIES.
- ALL AREAS OUTSIDE THE PROJECT LIMITS DISTURBED BY CONSTRUCTION OR MOBILIZATION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION, UNLESS SPECIFIED OTHERWISE, AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONSTRUCTION SITE, ADJACENT AREAS, AND RIGHT-OF-WAYS SHALL BE KEPT CLEAN AND CLEAR OF CONSTRUCTION DEBRIS AT ALL TIMES.
- THE PROJECT LIMITS APPEAR TO BE WITHIN ZONE " X ", AS SHOWN ON FLOOD INSURANCE RATE MAP FOR CITY OF RICHMOND, VIRGINIA, COMMUNITY PANEL NUMBER 510129 0020C, DATED JULY 20, 1998.
- CONTRACTOR SHALL PROVIDE A WALK UP SECURED ACCESS TO THE ROOF FOR EVENT OF EMERGENCY ACCESS.
- SIDEWALK DEMOLITION SHALL BE TO NEAREST JOINT OR SAWCUT PERPENDICULAR TO SIDEWALK.

TREE PROTECTION NOTES

- TREES SELECTED FOR PRESERVATION ARE SHOWN ON THE DEMOLITION PLAN AND SHALL BE CLEARLY MARKED IN THE FIELD.
- PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION, PROTECTION BARRIERS SHALL BE PLACED AROUND ALL TREES TO BE RETAINED ON THE SITE TO PREVENT THE DESTRUCTION OR DAMAGE OF THE TREES. THE TREE PROTECTION SHALL BE IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND SHALL BE LOCATED IN A CIRCULAR PATTERN AROUND THE TREE A MINIMUM DISTANCE EQUAL TO THE DRIP LINE OF THE TREE OR A MINIMUM OF 5' WHERE THE DRIP LINE IS LESS THAN 5'. MATERIALS SHALL NOT BE STOCKPILED WITHIN THIS DEFINED AREA AND VEHICLES AND OTHER EQUIPMENT SHALL BE OPERATED TO AVOID SOIL COMPACTION. THE ONLY EXCEPTION TO THIS REQUIREMENT WILL BE THOSE SPECIFICALLY ALLOWED BY THESE STANDARDS AND SPECIFICATIONS.
- BOARDS OR WIRES OF A NON-PROTECTIVE NATURE SHALL NOT BE NAILED OR ATTACHED TO TREES DURING CONSTRUCTION.
- HEAVY EQUIPMENT OPERATORS ARE TO BE CAUTIONED TO AVOID DAMAGE TO EXISTING TREE TRUNKS AND ROOTS DURING LAND LEVELING OPERATIONS. FEEDER ROOTS SHALL NOT BE CUT IN AN AREA EQUAL TO TWICE THE TREE CIRCUMFERENCE (MEASURED 4 1/2" ABOVE GROUND LINE IN INCHES) EXPRESSED IN FEET (EXAMPLE: CIRCUMFERENCE OF 10" WOULD HAVE A "NO CUT" ZONE OF 20" IN ALL DIRECTIONS FROM THE TREE). THIS SHALL APPLY TO DITCHING FOR UTILITY SERVICES, IF FEASIBLE. IN LIEU OF DITCHING, REROUTING OF UTILITIES OUTSIDE THE ROOT ZONE, OR JACKING CONDUIT THROUGH THE ROOT ZONE SHALL BE CONSIDERED.
- TREE TRUNKS AND EXPOSED ROOTS DAMAGED DURING EQUIPMENT OPERATIONS SHALL BE TREATED IN ACCORDANCE WITH CURRENT ARBORICULTURAL STANDARDS. DAMAGED TREE LIMBS SHALL BE CUT BACK TO THE NEXT LATERAL BRANCH OR PARENT STEM AT THE BRANCH COLLAR. CARE FOR SERIOUS INJURY SHALL BE PRESCRIBED BY A QUALIFIED ARBORIST SECURED BY THE CONTRACTOR.
- CRITERIA FOR REPLACING TREES KILLED DURING CONSTRUCTION: IF DESIRED TREES PROTECTED BY THE ABOVE MEANS ARE KILLED BY THE CONTRACTOR DURING CONSTRUCTION, THEY SHALL BE REPLACED BY THE CONTRACTOR WITH TREES OF AT LEAST 2" CALIPER OF THE SAME SPECIES OF LIKE QUALITY AS SPECIFIED BY A QUALIFIED ARBORIST SECURED BY THE CONTRACTOR. REPLACEMENT TREES SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK.

EROSION AND SEDIMENT CONTROL NOTES

- UNLESS OTHERWISE INDICATED, VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS.
- 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.
- EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE.
- 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 DEPARTMENT OF CONSERVATION AND RECREATION.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS APPROVED BY THE PLAN APPROVING AUTHORITY.
- DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- EFFLUENT FROM DE-WATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT ADJACENT PROPERTIES, WETLANDS, WATERWAYS OR THE STORM DRAINAGE SYSTEM.
- THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES DAILY AND AFTER EACH RUNOFF-PRODUCING EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES AND CLEANUP OF SEDIMENTATION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE IMMEDIATELY.
- THE CONTRACTOR SHALL APPLY PERMANENT OR TEMPORARY SOIL STABILIZATION TO DENUDED OR DISTURBED AREAS WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. SOIL STABILIZATION MUST ALSO BE APPLIED TO DENUDED OR DISTURBED AREAS WHICH MAY NOT BE AT FINAL GRADE BUT WHICH WILL REMAIN UNDISTURBED FOR LONGER THAN 7 DAYS. SOIL STABILIZATION MEASURES INCLUDE VEGETATIVE ESTABLISHMENT, MULCHING AND THE EARLY APPLICATION OF GRAVEL BASE MATERIAL ON AREAS TO BE PAVED.
- THE CONTRACTOR SHALL LIMIT SITE ACCESS BY CONSTRUCTION VEHICLES TO ENTRANCES PROTECTED BY A STONE CONSTRUCTION ENTRANCE OR AN APPROVED COMPARABLE CONTROL MEASURE. SEDIMENT SHALL BE REMOVED FROM PAVED AREAS ON A DAILY BASIS.
- STOCK PILES OF SOIL AND OTHER ERODIBLE MATERIALS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION FOR STOCKPILES ON SITE AS WELL AS FOR MATERIALS TRANSPORTED FROM THE PROJECT SITE.
- THE CONTRACTOR SHALL MONITOR AND TAKE PRECAUTIONS TO CONTROL DUST INCLUDING (BUT NOT LIMITED TO) USE OF WATER, MULCH, OR CHEMICAL DUST ADHESIVES AND CONTROL OF CONSTRUCTION SITE TRAFFIC.
- TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE NOT TO BE REMOVED UNTIL ALL DISTURBED AREAS ARE STABILIZED. AFTER STABILIZATION IS COMPLETE, ALL MEASURES SHALL BE REMOVED WITHIN 30 DAYS. TRAPPED SEDIMENT SHALL BE SPREAD AND SEEDED.
- THE CONTRACTOR IS RESPONSIBLE FOR HAVING A CERTIFIED "RESPONSIBLE LAND DISTURBER" (RLD) ON-SITE DURING ALL LAND CLEARING ACTIVITIES.

EROSION CONTROL SEQUENCE OF CONSTRUCTION

- INSTALL TEMPORARY CONSTRUCTION ENTRANCE. ESTABLISH PERIMETER SILT FENCE AND MAINTAIN THROUGHOUT CONSTRUCTION. INSTALL TREE PROTECTION. ADD INLET PROTECTION.
- PERFORM DEMOLITION OF EXISTING FACILITIES TO BE REMOVED.
- PERFORM CLEARING AND GRUBBING OPERATIONS WITHIN THE LIMITS OF CLEARING AND GRADING. MAINTAIN EXISTING VEGETATION TO THE EXTENT POSSIBLE AS A MEANS OF EROSION CONTROL.
- ROUGH GRADE PAVEMENT AND BUILDING AREAS AND STABILIZE WITH STONE BASE COURSE AND BUILDING PAD.
- GRADE, TOPSOIL, AND SEED ALL DISTURBED AREAS NOT SCHEDULED FOR PAVING AND IMMEDIATELY ESTABLISH PERMANENT VEGETATIVE COVER. MAINTAIN VEGETATIVE COVER THROUGHOUT CONSTRUCTION.
- WHEN BUILDING IS NEARING COMPLETION, INSTALL CURB, CURB AND GUTTER, PAVEMENT AND SIDEWALKS.
- THROUGHOUT ENTIRE CONSTRUCTION PROCESS, ADDRESS ANY INADVERTENT EROSION AND REMOVE ANY SEDIMENTATION THAT MAY COLLECT.
- REMOVE TEMPORARY EROSION CONTROL MEASURES WITHIN 30 DAYS AFTER FINAL INSPECTION OF THE SITE IS COMPLETE.

SURVEYOR NOTES

- A TOPOGRAPHIC SURVEY WAS NOT OBTAINED FOR THIS PROJECT. GPS FIELD MEASUREMENTS, AERIAL SURVEY, GIS DATA AND RECORD DRAWING INFORMATION ARE SHOWN FOR THE LIMITED SITE WORK. ANY DETERMINATION OF TOPOGRAPHY OR CONTOURS, OR ANY DEPICTION OF PHYSICAL IMPROVEMENTS, PROPERTY LINES OR BOUNDARIES IS FOR GENERAL INFORMATION ONLY AND SHALL NOT BE USED FOR THE DESIGN, MODIFICATION, OR CONSTRUCTION OF IMPROVEMENTS TO REAL PROPERTY OR FOR FLOOD PLAN DETERMINATION. ELEVATIONS OBTAINED BY GPS FIELD MEASUREMENTS WERE ADJUSTED BASED ON AN ASSUMED FINISHED FLOOR ELEVATION OF 200', AS SPECIFIED BY THE AS-BUILTS. DEPTHS OF EXISTING STORM STRUCTURES, ALONG WITH EXISTING CONTOURS, WERE BASED ON AS-BUILTS. CONTRACTOR SHALL VERIFY EXISTING GRADES AND NOTIFY THE ENGINEER IF ANY SIGNIFICANT GRADE DISCREPANCIES EXIST.

EROSION CONTROL NARRATIVE

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS THE CONSTRUCTION OF A SECOND STORY ADDITION AND 2-STORY STAIR ADDITION TO THE EXISTING MCGUIRE VA HOSPITAL BUILDING, LANDSCAPING, SIDEWALKS, AND A DROP OFF DRIVE AISLE. THE PROJECT IS LOCATED AT MCGUIRE VA HOSPITAL IN RICHMOND, VIRGINIA AT THE INTERSECTION OF BROAD ROCK BLVD AND HULL STREET.

EXISTING SITE CONDITIONS

DUE TO THE EXISTING DEVELOPMENT ON THE SITE, ALL NECESSARY UTILITIES ARE AVAILABLE AND IN CLOSE PROXIMITY. THE EXISTING SITE IS MOSTLY DEVELOPED WITH THE EXISTING MCGUIRE VA HOSPITAL BUILDING AND PARKING LOT. THERE IS NO BODY OF WATER LOCATED ON THE SITE. EXISTING PEDESTRIAN ACCESS IS PROVIDED BY A SIDEWALK ADJACENT TO THE EXISTING PARKING LOT. VEHICULAR ACCESS IS PROVIDED BY A E-BELT BLVD OFF OF BROAD ROCK BLVD. AND VETERANS AVE OFF OF HOPKINS ROAD.

ADJACENT PROPERTY

MCGUIRE HOSPITAL IS BORDERED ON THE NORTH BY MCGUIRE DRIVE, THE WEST BY BROAD ROCK BOULEVARD, THE EAST BY HOPKINS ROAD, AND SOUTH BY SITTER & BARFOOT VETERANS CARE CENTER.

OFF-SITE AREAS

NO OFF-SITE LAND DISTURBANCE IS ANTICIPATED FOR THIS PROJECT.

SOILS

THE PREDOMINANT SOILS ON THE SITE CONSIST OF UPLAND TERRACE DEPOSITS OF PLEISTOCENE GEOLOGIC AGE OR OLDER UNDERLAIN BY PETERSBURG GRANITE ROCK. THE TERRACE DEPOSITS ARE ALLUVIAL SOILS THAT TYPICALLY CONSIST OF A MIXTURE OF CLAY, SILT, SAND, AND GRAVEL. THESE SOILS TYPICALLY EXHIBIT MODERATE TO HIGH STRENGTH AND LOW TO MODERATE COMPRESSIBILITY. GROUNDWATER IS LOCATED BETWEEN 28 AND 33 FEET BELOW THE SURFACE.

CRITICAL EROSION AREAS

THERE ARE NO ANTICIPATED CRITICAL EROSION AREAS FOR THIS PROJECT.

EROSION AND SEDIMENT CONTROL MEASURES

UNLESS OTHERWISE INDICATED, VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THE MINIMUM STANDARDS OF THE VESCH SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

STRUCTURAL PRACTICES

- TEMPORARY CONSTRUCTION ENTRANCE - 3.02**
A TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED ON THE NORTHWEST CORNER OF THE SITE TO MINIMIZE THE AMOUNT OF MUD TRANSPORTED ONTO PAVED PUBLIC ROADS BY CONSTRUCTION VEHICLES.
- SILT FENCE BARRIER - 3.05**
SILT FENCE SEDIMENT BARRIERS WILL BE PLACED DOWNSLOPE OF EXISTING AREAS WITH MINIMAL GRADES TO FILTER SEDIMENT-LADEN RUNOFF.
- STORM DRAIN INLET PROTECTION - 3.07**
STORM SEWER INLETS SHALL BE PROTECTED DURING CONSTRUCTION TO FILTER SEDIMENT-LADEN CONSTRUCTION RUNOFF BEFORE ENTERING THE STORM SEWER INLETS.
- TREE PROTECTION - 3.38**
A FENCE BARRIER IS TO BE PLACED AROUND THE TREES AND VEGETATED AREAS WHICH WILL NOT BE DISTURBED TO PROTECT THE TREES AND OTHER VEGETATION FROM CONSTRUCTION EQUIPMENT AND SOIL COMPACTION.

VEGETATIVE PRACTICES

- TOPSOILING (STOCKPILE) - 3.30**
TOPSOIL WILL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. THE STOCKPILE SHALL BE STABILIZED WITH TEMPORARY SEEDING.
- TEMPORARY SEEDING - 3.31**
DENUDED AREAS WHICH WILL BE LEFT DORMANT FOR EXTENDED PERIODS OF TIME SHALL BE SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING. TEMPORARY DIVERSION DIKES SHALL ALSO RECEIVE TEMPORARY SEEDING. SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED.

MANAGEMENT STRATEGIES

- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS A FIRST STEP IN GRADING AND SHALL BE SEEDED IMMEDIATELY FOLLOWING INSTALLATION.
- MAJOR GRADING SHOULD BE COMPLETED WITHIN 30 DAYS OF THE BEGINNING OF THE PROJECT. TEMPORARY SEEDING SHALL BE APPLIED IMMEDIATELY AFTER GRADING IS COMPLETED ON THE RESPECTIVE AREAS.
- AREAS WHICH ARE NOT TO BE DISTURBED SHALL BE CLEARLY MARKED WITH FLAGS, SIGNAGE, ETC.
- THE CONSTRUCTION SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED CONTINUOUSLY AND ESPECIALLY AFTER EACH SIGNIFICANT RAINFALL TO LOCATE DAMAGES AND CONDUCT MAINTENANCE OPERATION.

PERMANENT STABILIZATION

AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING. PERMANENT SEEDING SHALL BE DONE ACCORDING TO THE SCHEDULE SHOWN ON THE PLANS.

MAINTENANCE

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL. THE FOLLOWING ITEMS SHALL BE CHECKED IN PARTICULAR:

- SILT FENCE SHALL 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.
- THE SEEDED AREAS SHALL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RE-SEEDED AS NEEDED.

LEGEND

		BUILDING
		BUILDING CANOPY
		STAMPED CONCRETE
		CONCRETE
		ASPHALT
		DEMOLISH/REMOVE
		GRAVEL
		CONTOUR
		SINGLE DOOR LOCATION
		DOUBLE DOOR LOCATION
		AUTOMATIC SLIDING DOOR
		CURB/CURB AND GUTTER
		TREE
		BUSHES
		TREE PROTECTION
		SILT FENCE
		CONSTRUCTION ENTRANCE
		FENCE
		GATE
		PROJECT LIMITS
		LIGHT POLE
		SIGN
		WATER VALVE
		FIRE HYDRANT
		STORM MANHOLE
		DRAINAGE INLET
		STORM PIPE
		SANITARY SEWER MANHOLE
		SANITARY PIPE
		POWER POLE
		OVERHEAD ELECTRICAL
		INLET PROTECTION
		REMOVE ABOVE GROUND SITE FEATURE

ABBREVIATIONS

BS	BOTTOM OF STEP	R	REINFORCEMENT
C.C.	CENTER TO CENTER	RCP	REINFORCED CONCRETE PIPE
CE	CONSTRUCTION ENTRANCE	SAN	SANITARY
CL	CENTERLINE	SF	SILT FENCE
CONC	CONCRETE	SQ FT	SQUARE FEET
DI	DRAINAGE INLET	TC	TOP OF CURB
ESD	EXISTING STORM DRAIN	TP	TREE PROTECTION
ES	EXISTING SANITARY	TS	TOP OF STEP
FH	FIRE HYDRANT	TYP	TYPICAL
FL	FLOW LINE	VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION
INV	INVERT	W	WIDTH
LBS	POUNDS	WWF	WELDED WIRE FABRIC
MAX	MAXIMUM	#	NUMBER
MG	MATCH GRADE	%	PERCENT
MH	MANHOLE		
MIN	MINIMUM		

TABLE 3.31-B
(Revised June 2003)
TEMPORARY SEEDING SPECIFICATIONS
QUICK REFERENCE FOR ALL REGIONS

APPLICATION DATES	SEED SPECIES	APPLICATION RATES
Sept. 1-Feb. 15	50/50 Mix of Annual Ryegrass (lolium multi-florum) & Cereal (Winter) Rye (Secale cereale)	50-100 (lbs/acre)
Feb. 16-Apr. 30	Annual Ryegrass (lolium multi-florum)	60-100 (lbs/acre)
May. 1-Aug. 31	German Millet	50 (lbs/acre)

FERTILIZER & LIME

- Apply 10-10-10 FERTILIZER at a rate 450 lbs./acre (or 10 lbs./1,000sq ft
 - Apply PULVERIZED AGRICULTURAL LIMESTONE at a rate of 2 tons/acre (or 90 lbs./1,000 sq ft)
- NOTE:**
- A soil test is necessary to determine the actual amount of lime required to adjust the soil pH of site.
 - Incorporate the lime and fertilizer into the top 4-6 inches of the soil by disking or by other means.
 - When applying Slowly Available Nitrogen, use rates available in *Erosion & Sediment Control Technical Bulletin #4, 2003 Nutrient Management for Development Sites* at <http://www.dcr.state.va.us/sw/e&s.htm#pubs>

TABLE 3.32-E
(Revised June 2003)
PERMANENT SEEDING SPECIFICATIONS FOR PIEDMONT AREA

LAND USE	SEED SPECIES	APPLICATION PER ACRE
<u>Minimum Care Lawn</u> (Commercial or Residential)	Tall Fescue	95-100%
	Perennial Ryegrass	0-5%
	Kentucky Bluegrass	0-5%
		TOTAL: 175-200 lbs
<u>High-Maintenance Lawn</u>	Tall Fescue	TOTAL: 200-250 lbs
	Tall Fescue	128 lbs
<u>General Slope (3:1 or less)</u>	Red Top Grass or Creeping Red Fescue	2 lbs
	Fescue	20 lbs
	Seasonal Nurse Crop	Total: 150 lbs
<u>LOW-Maintenance Slope</u> (Steeper Than 3:1)	Tall Fescue	108 lbs
	Red Top Grass or Creeping Red Fescue	2 lbs
	Fescue	20 lbs
	Seasonal Nurse Crop Crownvetch	20 lbs Total: 150 lbs

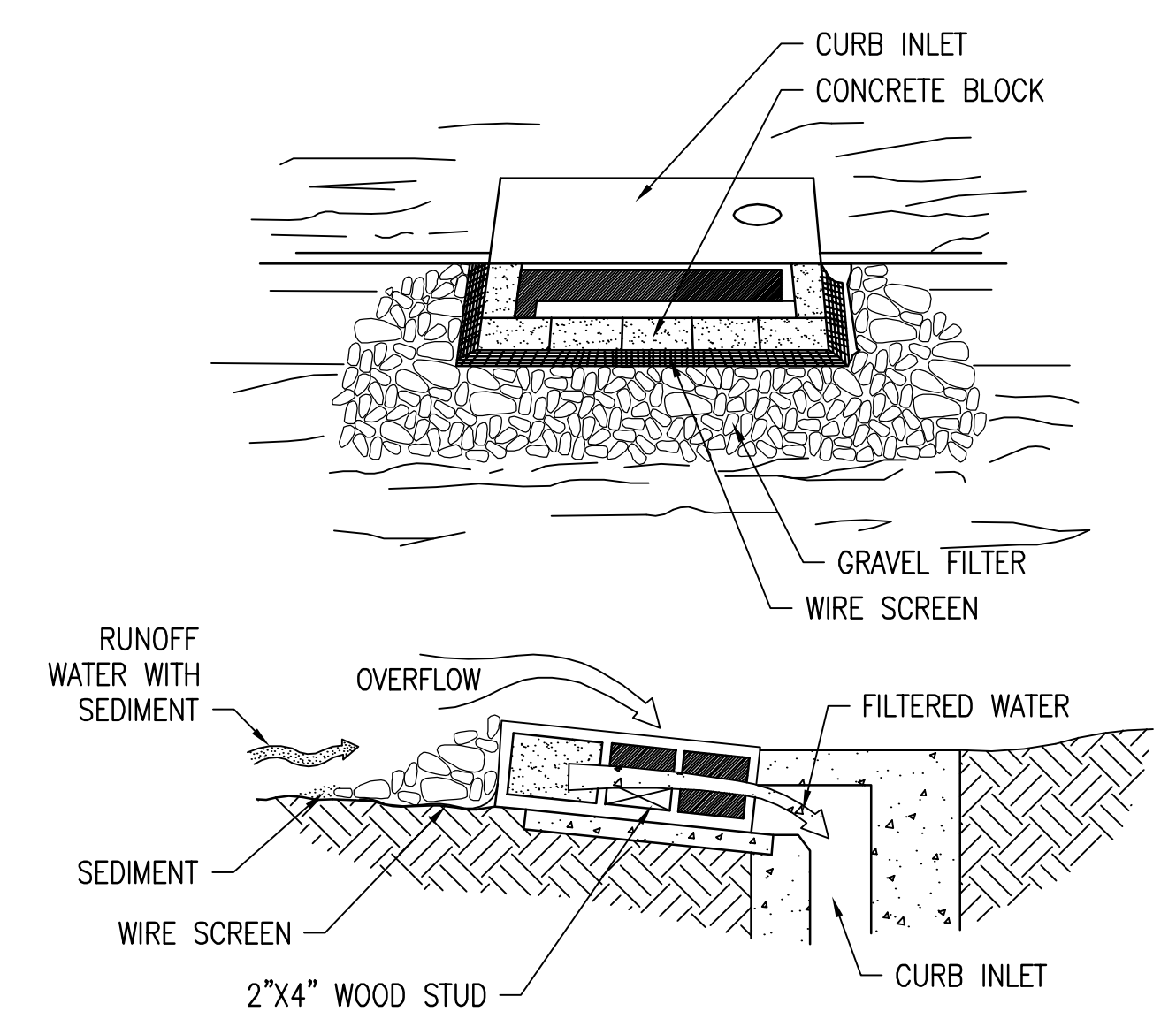
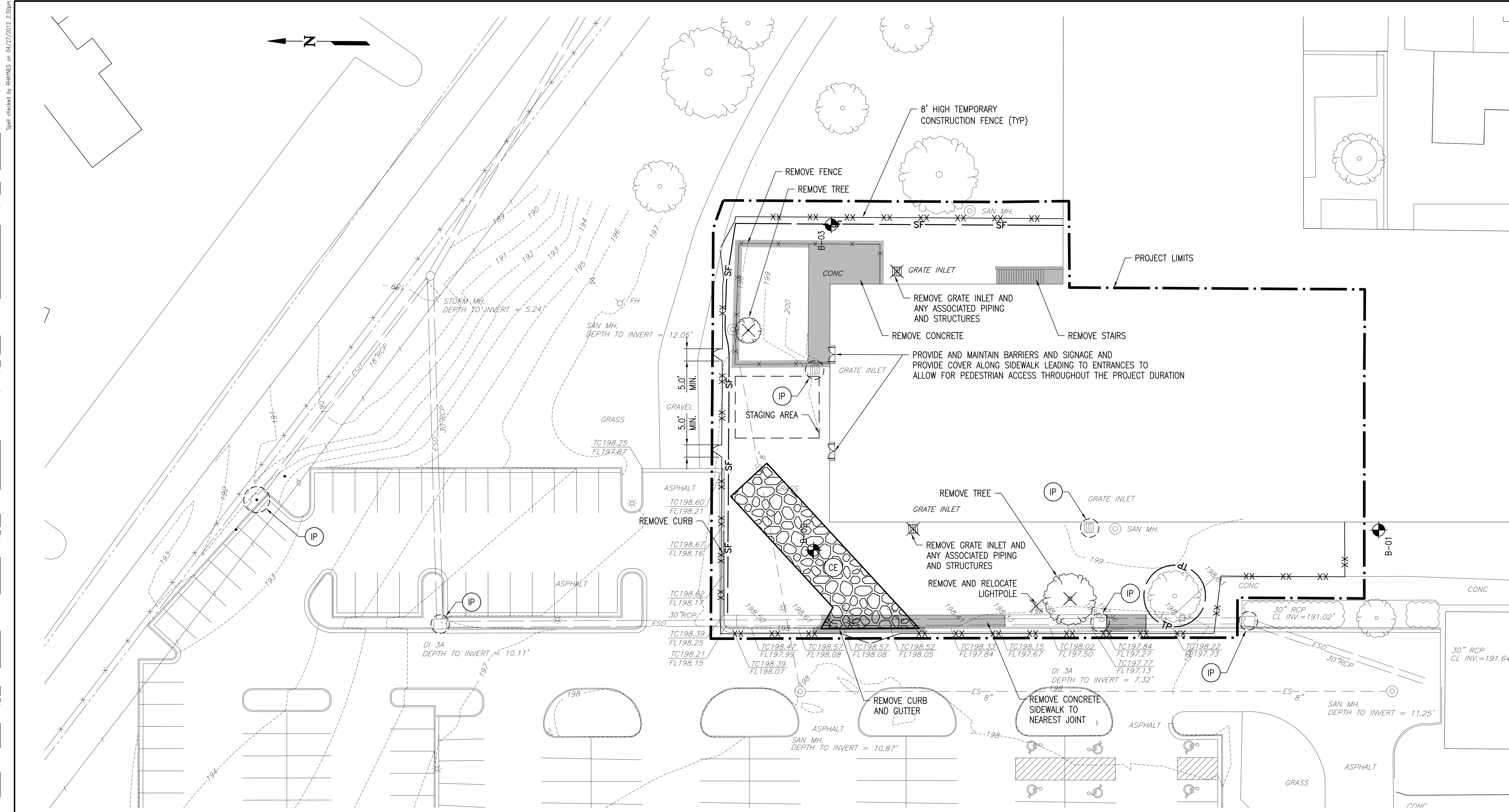
- When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCA) recommended turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCA. A current turfgrass variety list is available at the local County Extension office or through VCA at 804-746-4884 or at <http://sudan.cses.vt.edu/html/Turf/Turf/publications/publications2.html>
- Use seasonal nurse crop in accordance with seeding dates as stated below:
February 15th - April..... Annual Rye
May 1st - August 15th..... Foxtail Millet
August 16th - October..... Annual Rye
November - February 15th..... Winter Rye
- Substitute Sericeo Lespedeza for Crownvetch east of Farmville, VA (May through September use hulled seed, all other periods, use unhulled Sericeo). If Flatpea is used, increase to 30 lbs/acre. If weeping lovegrass is used, including in any slope or low maintenance mixture during warmer seeding periods, increase to 30-40 lbs/acre.

FERTILIZER & LIME

- Apply 10-20-10 fertilizer at a rate of 500 lbs./acre (or 12 lbs./1,000 sq. ft.)
 - Apply Pulverized Agricultural Limestone at a rate of 2 tons/acre (or 90 lbs./1,000 sq. ft.)
- NOTE:**
- A soil test is necessary to determine the actual amount of lime required to adjust the soil pH of the site.
 - Incorporate the lime and fertilizer into the top 4-6 inches of the soil by disking or by other means.
 - When applying Slowly Available Nitrogen, use rates available in *Erosion & Sediment Control Technical Bulletin #4, 2003 Nutrient Management for Development Sites* at <http://www.dcr.state.va.us/sw/e&s.html#pubs>

FULLY SPRINKLERED

<p>CONSULTANT ENGINEER:</p> <p>1111 E MAIN STREET, SUITE 1005 RICHMOND, VA 23219 PHONE: 804.644.4690</p>		<p>ARCHITECT:</p> <p>131 HANBURY ROAD, SUITE C CHESAPEAKE, VA 23322 PHONE: 757.389.5518</p>		<p>Drawing Title GENERAL NOTES, LEGEND AND ABBREVIATIONS</p> <p>Approved Project Director</p>		<p>Project Title Mental Health Recovery Enhancement Center HH McGuire VA Medical Center</p> <p>Project Number 310</p> <p>Building Number 500</p>		<p>Location Richmond, VA</p> <p>Date 082412</p> <p>Checked GRD</p> <p>Drawn RP4</p>		<p>Drawing Number GS01 - XX</p>		<p>Office of Construction and Facilities Management</p>	
<p>Revisions</p>		<p>Date</p>		<p>Revisions</p>		<p>Date</p>		<p>Revisions</p>		<p>Date</p>			



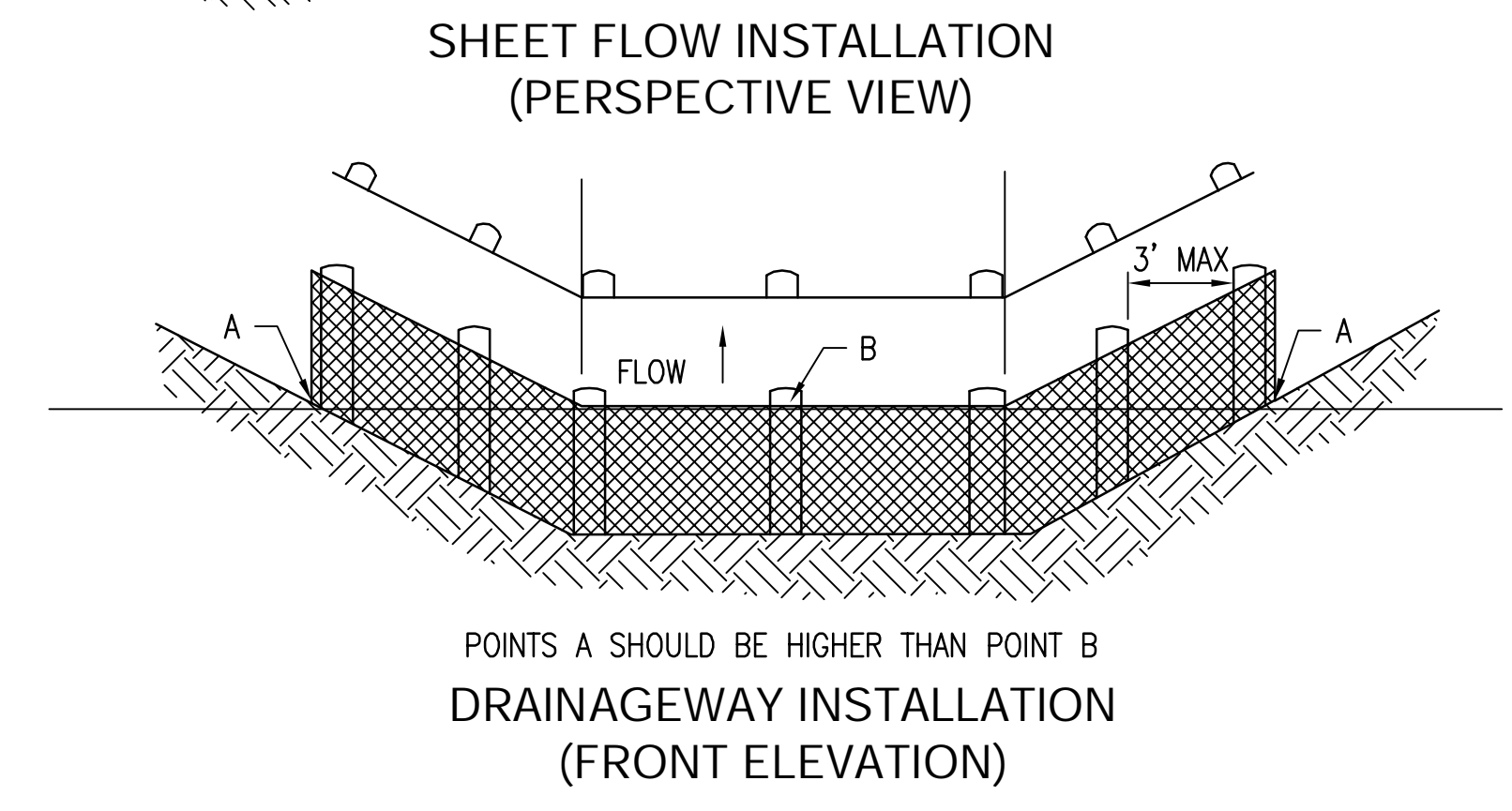
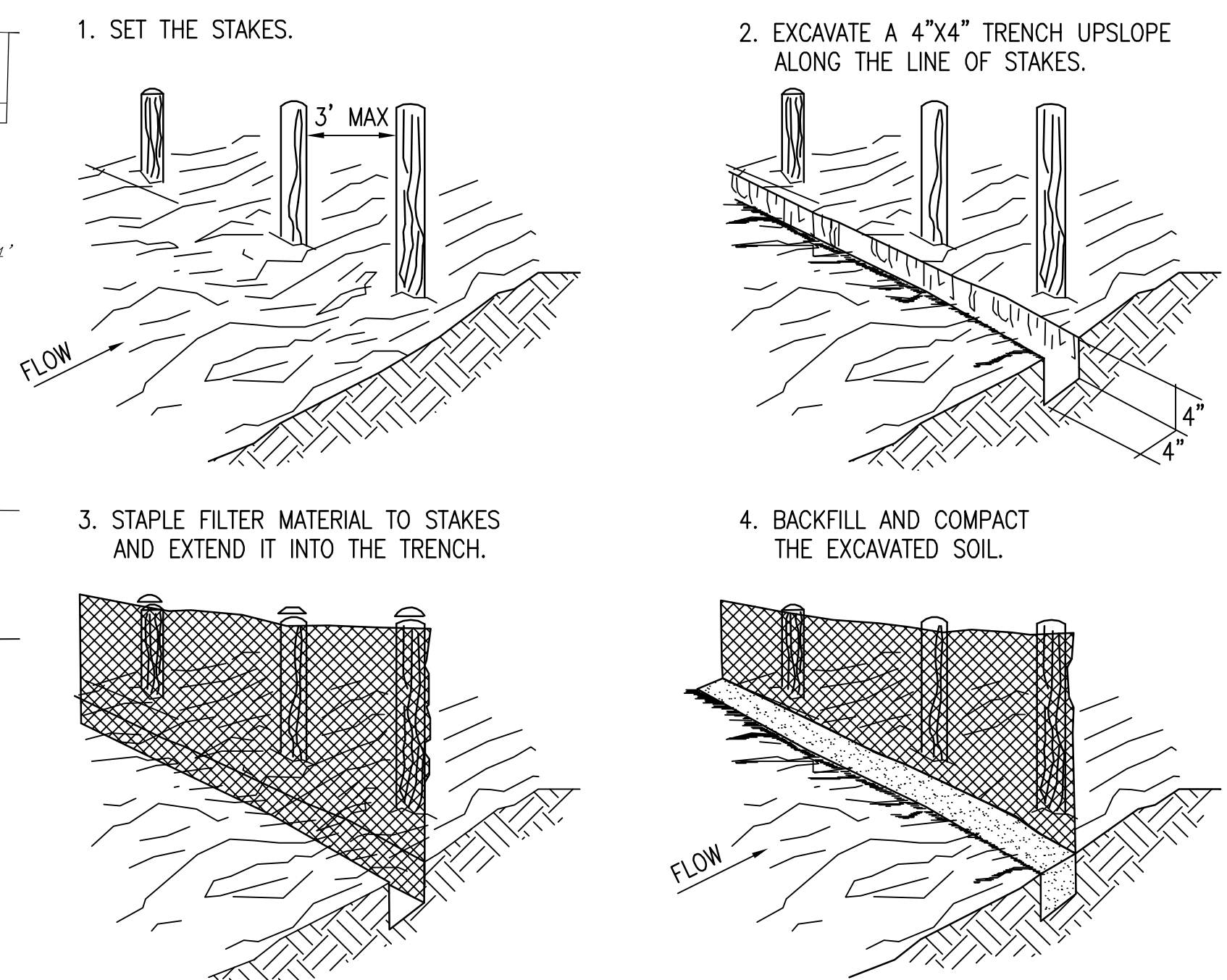
SPECIAL APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE AN OVERFLOW CAPABILITY IS NECESSARY TO PREVENT EXCESSIVE PONDING IN FRONT OF THE STRUCTURE.

GRAVEL SHALL BE VDOT #3, #357 OR #5 COARSE AGGREGATE.

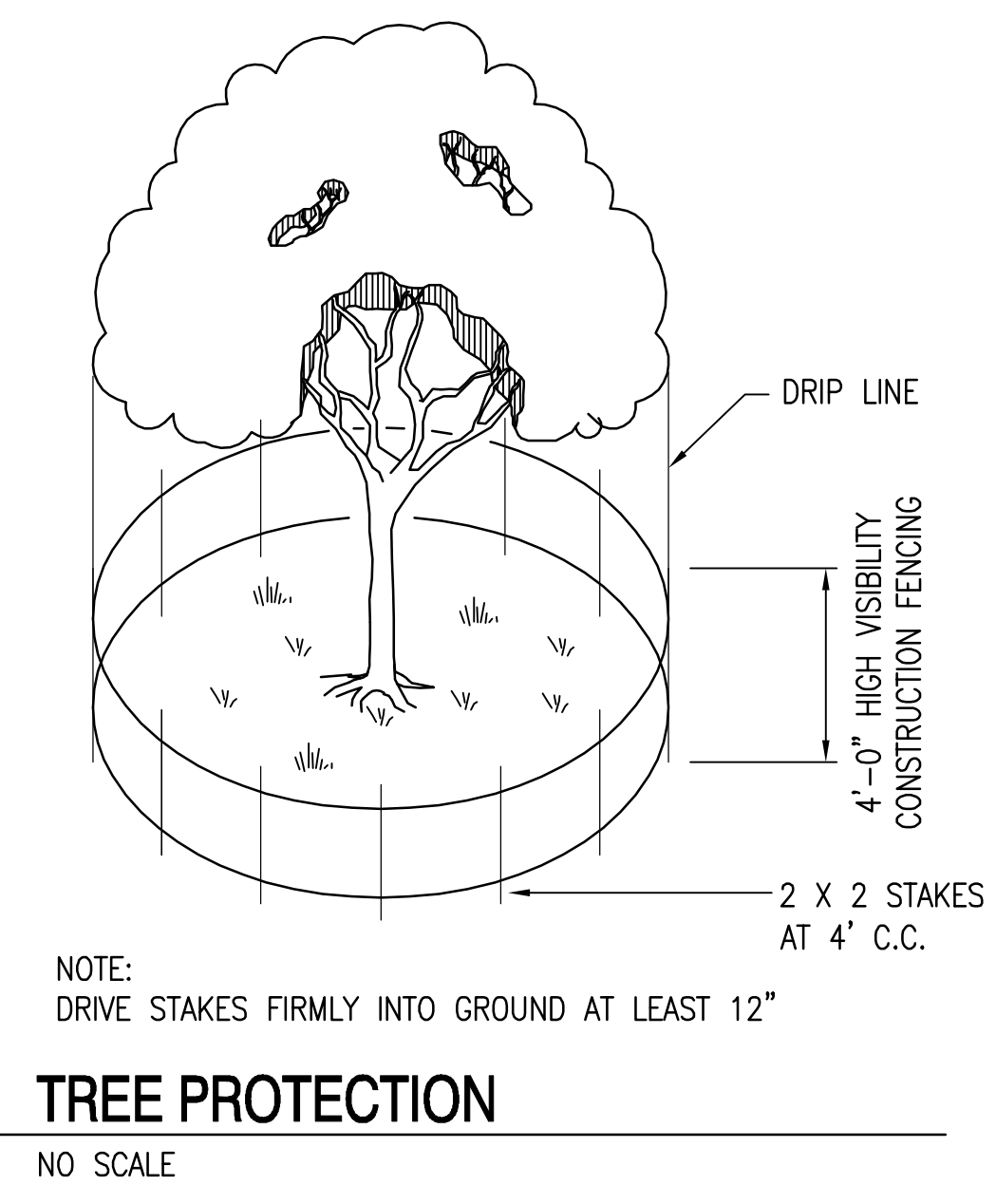
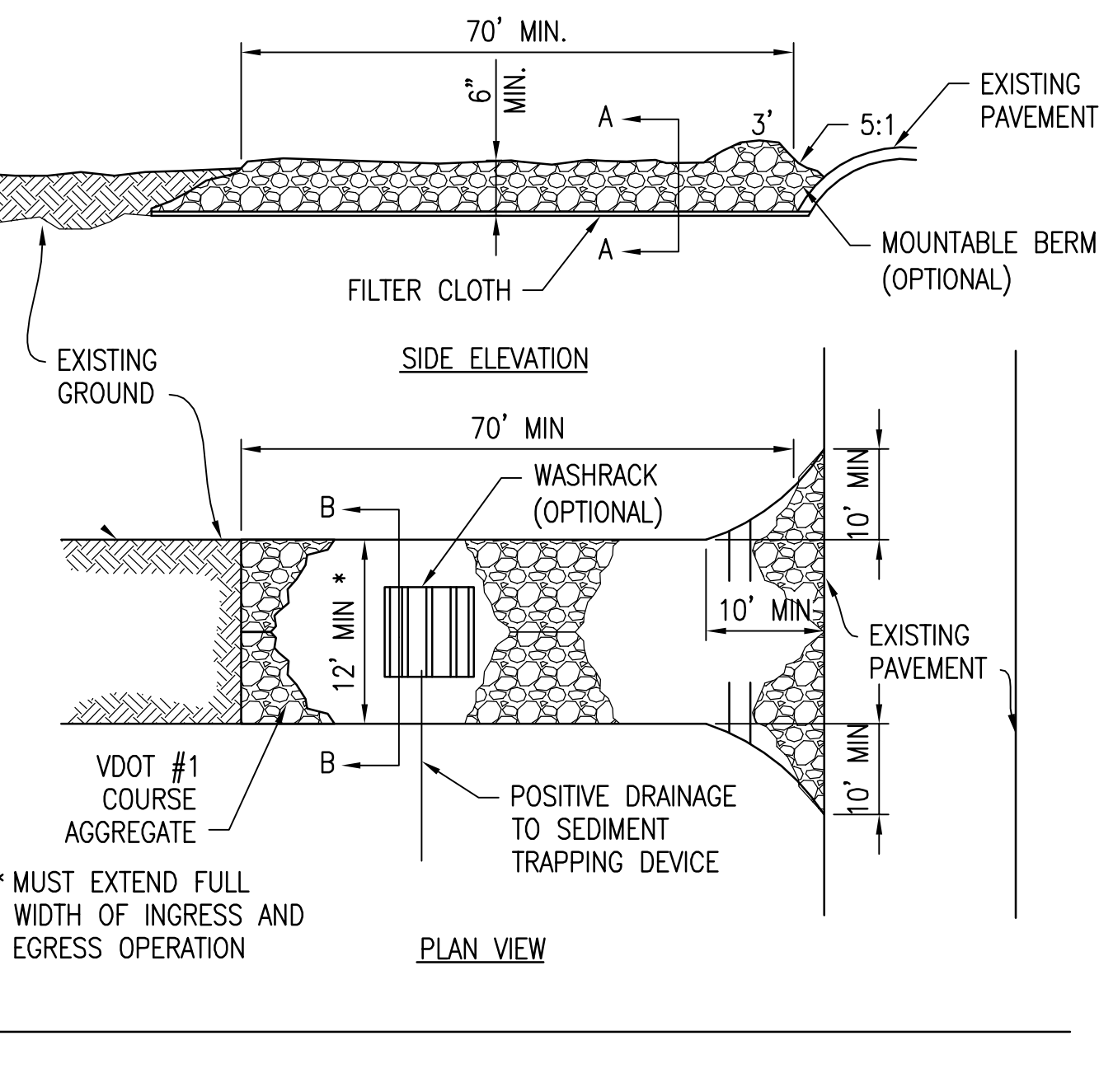
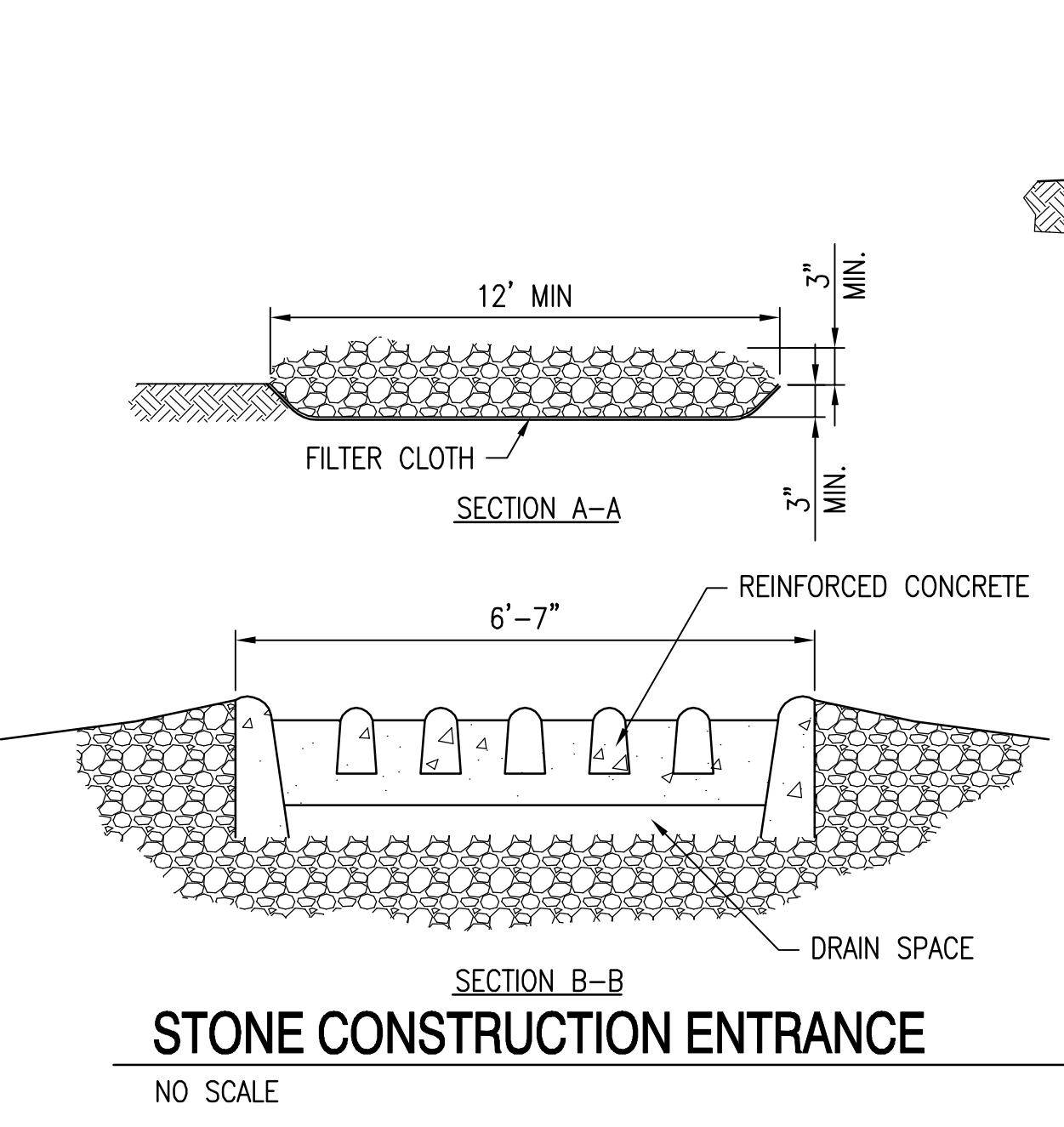
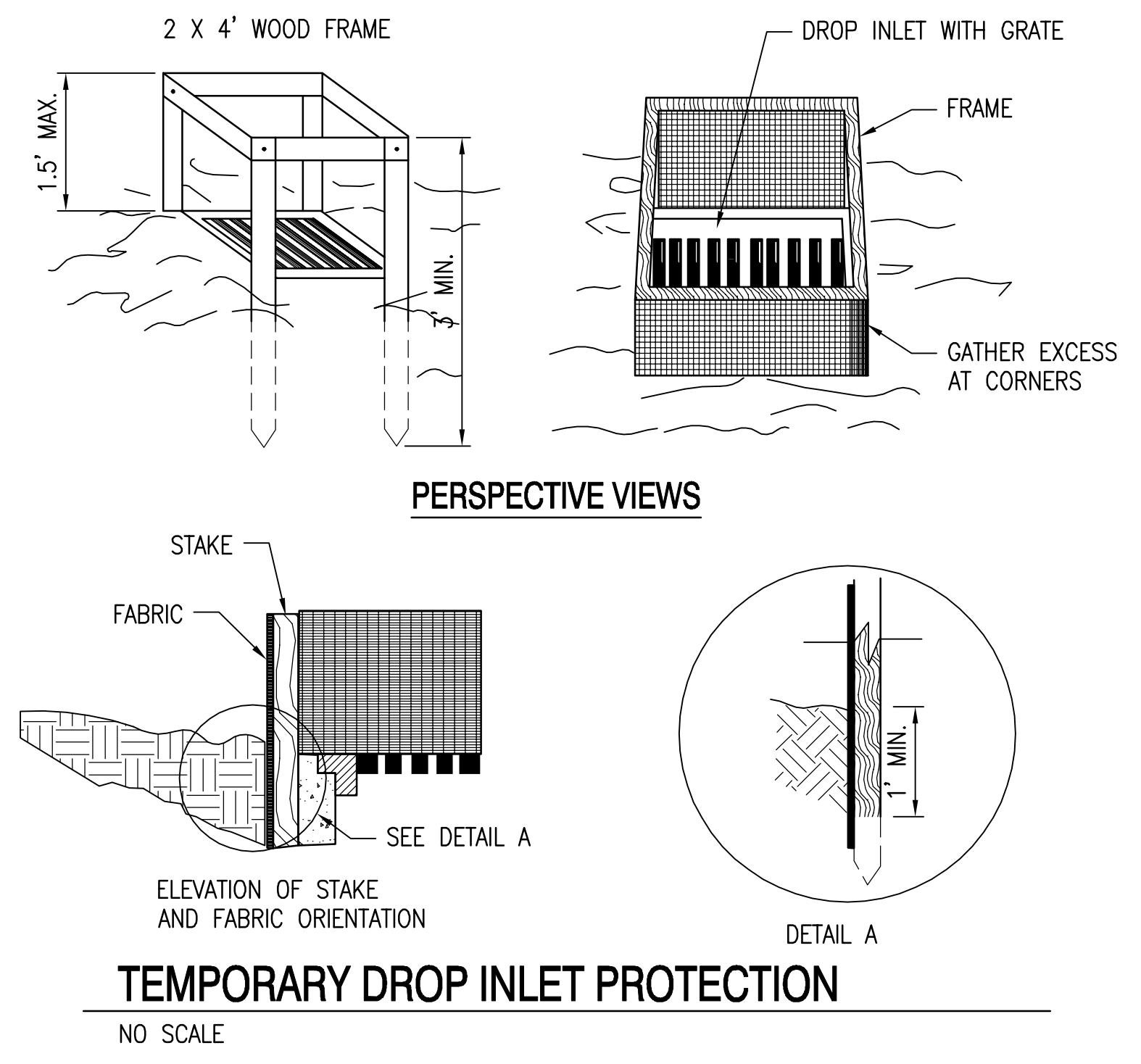
BLOCK AND GRAVEL CURB INLET SEDIMENT FILTER

NO SCALE



SILT FENCE CONSTRUCTION (WITHOUT WIRE SUPPORT)

NO SCALE



1"=20'

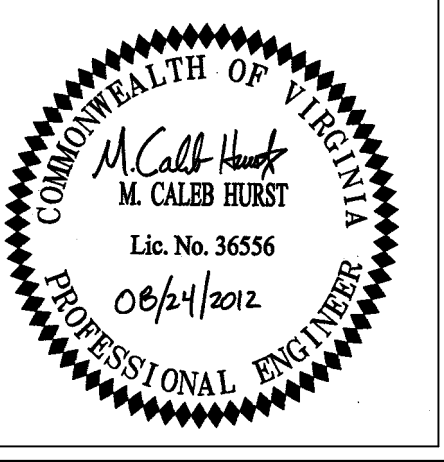
0 10' 20' 40' 80'

FULLY SPRINKLERED

CONSULTANT ENGINEER:

90 CELEBRATING 90 YEARS
CLARK & NEXSEN
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ARCHITECT:

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 design group, plc

131 HANBURY ROAD, SUITE C
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 PHONE: 757.389.5518

Drawing Title
DEMOLITION PLAN

Approved Project Director

Date
 08/24/12
 FOR CONSTRUCTION

Checked
 GRD

Drawn
 RPH

Project Title
 Mental Health Recovery
 Enhancement Center
 HH McGuire VA Medical Center

Project Number
 310
 Building Number
 500

Location
 Richmond, VA

Drawing Number
GS02
 XX

