GENERAL NOTES

- OF THE VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORATION SHALL GOVERN THE FOLLOWING:
- POURING, CURING, FORMS, WORKMANSHIP, ETC OF ALL CONCRETE USED ON THIS PROJECT.

STABILIZED BASE COARSE MATERIAL AND SURFACE TREATMENT OR

- MATERIALS AND INSTALLING OF ALL PIPE CULVERTS. ALL CURB AND GUTTER FILLETS AT INTERSECTIONS ARE TO HAVE 20'
- RADII UNLESS OTHERWISE NOTED.
- ALL EARTH DITCH FILLETS AT INTERSECTIONS ARE TO HAVE 35' RADII BACKFILL FOR ALL UTILITIES WITHIN PROPOSED SUBDIVISION STREETS
- SHALL BE PLACED GENERALLY IN ACCORDANCE WITH PRINCE GEORGE NO TRENCH SHALL BE BACKFILLED UNTIL AUTHORIZED BY THE COUNTY ENGINEER. MATERIALS USED FOR BACKFILL FROM THE BOTTOM OF THE TRENCH TO TWELVE (12") INCHES ABOVE THE PIPE
- SHALL BE SELECT MATERIAL FREE FROM FROST, LARGE CLODS, COMPACTED TO INSURE A SOUND BACKFILL AROUND AND OVER THE
- BACKFILL SHALL BE COMPACTED BY MECHANICAL TAMPING THROUGHOUT THE DEPTH OF THE TRENCH TO OBTAIN 95% DENSITY AT OPTIMUM MOISTURE ± 20 %. THIS IS TO INSURE A SUITABLE SUBBASE. ACCEPTABLE TO THE ROAD ENGINEER FOR THE PROPOSED
- IF, IN THE OPINION OF THE COUNTY ENGINEER, THE MATERIAL TAKEN FROM THE DITCH IS NOT SUITABLE FOR BACKFILLING, IT SHALL BE REMOVED AND ACCEPTABLE MATERIAL USED FOR BACKFILLING THE TRENCH.
- ALL UTILITIES TO BE IN PLACE BEFORE LAYING BASE MATERIAL (AGGREGATE, TYPE 21-A)
- THE LOCATION OF ALL DRAINAGE STRUCTURES ON THESE PLANS IS APPROXIMATE. FINAL FIELD LOCATION MAY BE MADE BY THE ENGINEER TO MEET FIELD CONDITIONS.
- ALL VEGETATION AND OVERBURDEN TO BE REMOVED FROM SHOULDER TO ALL DRAINAGE EASEMENTS TO BE CLEARED, GRUBBED AND GRADED TO
- 8. LENGTH OF ALL PIPE CULVERTS SHOWN ON THESE PLANS IS APPROXIMATE CONCRETE FOR CURB AND GUTTER SHALL BE CLASS A-3 PER CURRENT

CONTAIN WATER FROM PIPE CULVERTS.

- SPECIFICATIONS OF THE VIRGINIA DEPARTMENT OF HIGHWAYS AND THE VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION APPROVAL
- OF THESE PLANS WILL EXPIRE THREE (3) YEARS FROM THE DATE OF THE CONTRACTOR WILL SEED ALL SLOPES AS SOON AS POSSIBLE TO ELIMINATE UNNECESSARY EROSION. NO DISTURBED SURFACE WILL BE LEFT UNSEEDED. WHERE REQUIRED. ALL ROAD DITCHES ARE TO BE

PAVED IN ACCORDANCE WITH STANDARD PG-2A-1 (MODIFIED TO FIT

SIDE ELEVATION

70° MIN.

SILT FENCE CULVERT INLET

OPTIONAL STONE COMBINATION

VDOT #3, #357 OR #5 COARSE AGGREGATE
TO REPLACE SILT FENCE IN " HORSESHOE " WHEN
HIGH VELOCITY OF FLOW IS EXPECTED

CONNECTIONS FOR EACH LOT

GEORGE COUNTY UTILITY DEPARTMENT.

Source: Adapted from VDOT Standard

Sheets and Va. DSWC

GENERAL NOTES CONTINUED

1.0' 1.5'

30. ALL FIRE HYDRANTS SHALL BE O.S.H.A. YELLOW IN COLOR.

PROTECTION

DISTANCE IS 6' MINIMUM IF FLOW IS TOWARD EMBANKMENT

A "W" and "S" SHALL BE STAMPED ON THE CURB WHILE THE CONCRETE IS STILL WET

METER BOXES PROVIDED SHALL BE CAST IRON 12"XI8" WITH CAST IRON LIDS. THE

ATTACHED TO THE LID. METERS ARE TO BE COMPATIBLE WITH THE PROPOSED

SYSTEM AND A PROREAD VISUAL READER IS TO BE PROVIDED TO THE PRINCE

METER ASSEMBLIES ARE TO BE SUPPLIED WITH NEPTUNE PROREAD ARB SYSTEMS

THESE MARKS SHALL INDICATE THE ACTUAL LOCATION OF THE WATER AND SEWER

BUST EXTEND FULL WIDTH
OF INGRESS AND EGRESS
OPERATION

- TYPICAL SECTION) WITH MINIMUM DEPTH TO CONTAIN TEN YEAR STORM. UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN WRITING. SUBDIVISION ROAD PLANS DOES NOT PRECLUDE THE RIGHT TO ADD ADDITIONAL FACILITIES SUCH AS SEEDING, PAVING, SILT DAMS. SILT BASINS, ETC. AS MAY BE DEEMED NECESSARY BY THE DEPARTMENT PRIOR TO THE ACCEPTANCE OF SUCH ROADS IN ORDER TO LIMIT SILTATION AND POLLUTION OF NEARBY LAKES, PONDS, STREAMS, AND
- ADJACENT PROPERTIES. ALL DRAINAGE EASEMENTS ARE TO EXTEND TO A NATURAL WATER COURSE. SLOPE EASEMENTS FOR FILL SLOPES ARE REQUIRED WHERE SLOPES
- EXCEED PROPOSED RIGHT OF WAY LIMITS. A PERMIT TO TIE INTO EXISTING ROADS SHALL BE OBTAINED FROM THE RESIDENT ENGINEER PRIOR TO ROAD CONSTRUCTION.

THE CONTRACTOR WILL SEED ALL SLOPES AND EASEMENTS WITH AT LEAST

- A TEMPORARY SEEDING WITHIN FIFTEEN (15) DAYS AFTER COMPLETION OF STREET GRADING OR STORM SEWER PLACEMENT TO ELIMINATE UNNECESSARY EROSION. NO DISTURBED AREA WILL BE ALLOWED AT THE TIME OF ACCEPTANCE OF THE ROAD INTO THE STATE SYSTEM. ALL SUBGRADE MATERIAL SHALL HAVE MINIMUM CBR VALUE OF TEN (10).
- THE BASE MATERIAL FOR ALL STREETS MUST BE APPROVED BY THE ROAD ENGINEER PRIOR TO THE PLACEMENT OF THE SURFACE COURSE. UNSUITABLE MATERIAL FOR THE SUBGRADE IS ENCOUNTERED. THE ROAD ENGINEER MUST BE NOTIFIED PRIOR TO PLACEMENT OF THE BASE
- THE ROAD ENGINEER MUST BE NOTIFIED PRIOR TO THE SURFACE
- TREATMENT BEING APPLIED THE LOCATION OF EXISTING UTILITIES, STORM SEWERS, SANITARY SEWERS, GAS LINES, WATER LINES, ELECTRICAL LINES AND TELEPHONE LINES EITHER UNDERGROUND AND/OR OVERHEAD ACROSS OR ALONG TH LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE AT NO EXTRA COST, LOCATE ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA
- OF SUCH PIPES OR OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO THE REMOVAL OF OR REARRANGEMENT OF SAME PAVED SHALL BE SEEDED UNTIL A GOOD STAND OF GRASS IS OBTAINED IN ACCORDANCE WITH THE VIRGINIA EROSION & SEDIMENT CONTROL
- HANDDBOOK AND THE FOLLOWING TABLE: 100 LB. PER 1000 SQ. FT. GROUND LIMESTONE OR EQUIVALENT. NO SOIL TEST REQUIRED FOR INITIAL ESTABLISHMENT.
- B. 25 LB. OF 5-20-10 FERTILIZER OR EQUIVALENT PER 1000 SQ. FT. VARIETIES TO BE SEEDED: SPRING SEEDING - MARCH 1 THRU MAY 1; MIXTURE #5 AT 1 LB. PER 1000 SQ. FT.
- SUMMER SEEDING MAY 1 THRU AUGUST 1; MIXTURE #4 1-1/2 LBS. PER 1000 SQ. FT. 3. AUTUMN SEEDING - AUGUST 1 THRU OCTOBER 1;
- MIXTURE #5 AT 1 LB. PER 1000 SQ. FT. 4. MULCH 80 LB. STRAW PER 1000 SQ. FT. OR ASPHALT MULCH 10 GAL. PER 1000 SQ. FT.
- 5. ALL SEEDING MUST BE MULCHED. AUTHORIZED LOCAL OFFICIALS SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF THE WORK TO BE STARTED SO AN AUTHORIZED
- REPRESENTATIVE MAY BE ASSIGNED TO MAKE ANY AND ALL NECESSARY INSPECTIONS OF THE WORK PERFORMED. CONTRACTOR SHALL CALL FOR COUNTY INSPECTION OF ALL PIPE LINE
- INSTALLAION PRIOR TO PLACING BACKFILL. WHEN ALL IMPROVEMENTS ARE COMPLETED. ALL DRAINAGE AND SANITARY SEWER LINES ARE FLUSHED AND CLEANED OF FOREIGN MATTER AND ALL CURBS, GUTTERS AND STREETS ARE CLEANED AND FREE OF DIRT AND
- OFFICIAL TO MAKE FINAL INSPECTION, A REPRESENTATIVE OF THE DEVELOPER SHALL BE PRESENT AT THE FINAL INSPECTION. THE CONTRACTOR SHALL NOTIFY THE LOCAL INSPECTOR AT LEAST 24 HOURS BEFORE PLACING BASE STONE SO THE SUBGRADE MAY BE

DEBRIS. THE DEVELOPER SHALL NOTIFY THE APPROPRIATE LOCAL

- INSPECTED AND 24 HOURS BEFORE PLACING SURFACE COURSE SO THE LOCAL INSPECTOR WILL BE ON SITE.
- WHERE DITCHES ARE DEEPENED TO ACCOMODATE CULVERTS, THE SLOPE FROM THE SHOULDER TO THE DITCH SHALL BE MAINTAINED THEREBY MOVING THE DITCH PROFILE FURTHER FROM THE CENTERLINE.
- BEGINNING ANY EXCAVATION. ALL CONCENTRATED DRAINAGE BEING CONVEYED FROM ROADSIDE DITCHES IN CUT SECTIONS INTO FILL SECTIONS SHOULD BE CONFINED ALONG SUCH AREAS BY TOE DITCHES WHERE ADJACENT PROPERTY SLOPES AWAY FROM ROADWAY, TO PREVENT CONCENTRATED DRAINAGE FROM BEING

CONTRACTOR SHALL NOTIFY "MISS UTILITY" (1-800-552-7001) BEFORE

TURNED ONTO ADJACENT LOTS. EXCESS EXCAVATION TO BE DISPOSED OF AS DIRECTED BY THE ENGINEER.

OWNER & DEVELOPER

M. ADKINS JAMES

4400 COURTHOUSE ROAD PRINCE GEORGE COUNTY, VIRGINIA 23875 (804) 272 - 7503

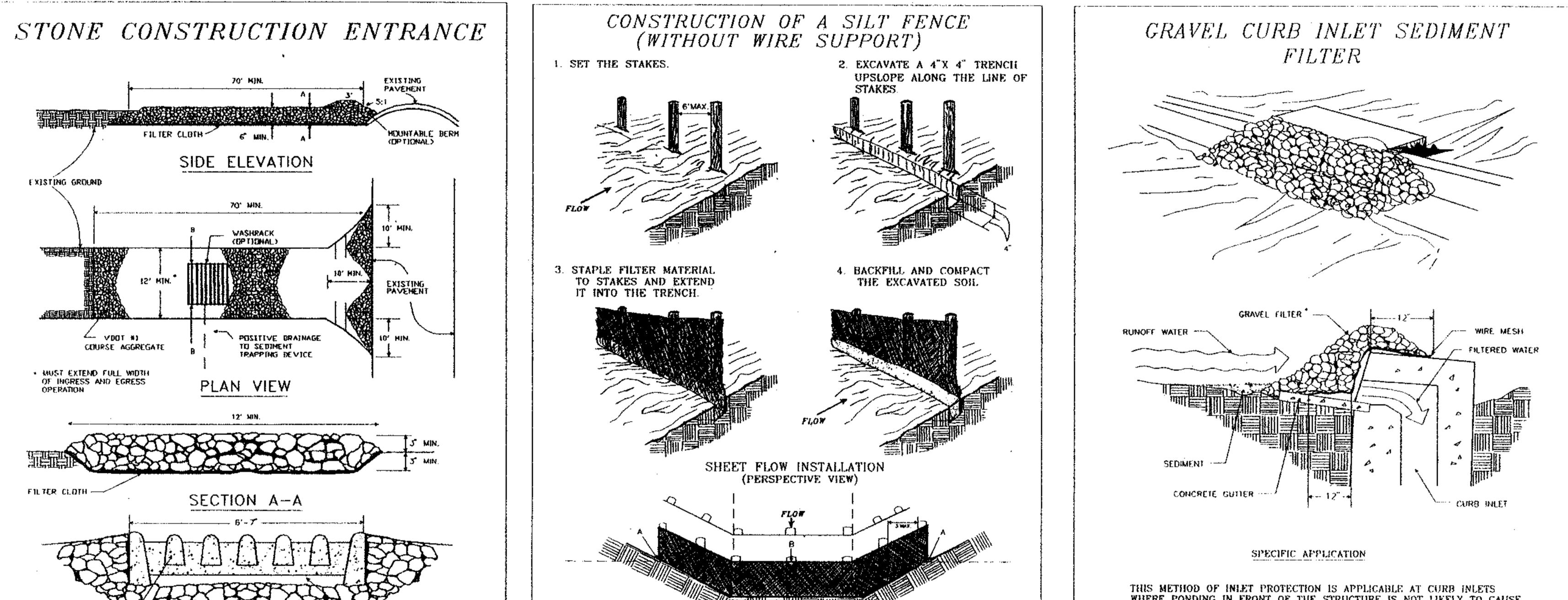


Plate 3,05-2

ROCK CHECK DAM

2 ACRES OR LESS OF DRAINAGE AREAS

2-10 ACRES OF DRAINAGE AREA.

OF GUTTER PAN.

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COARSE AGGREGATE

FLOW

Plate 3.08-1 Source: Va. DSWC

Source: Va. DSWC

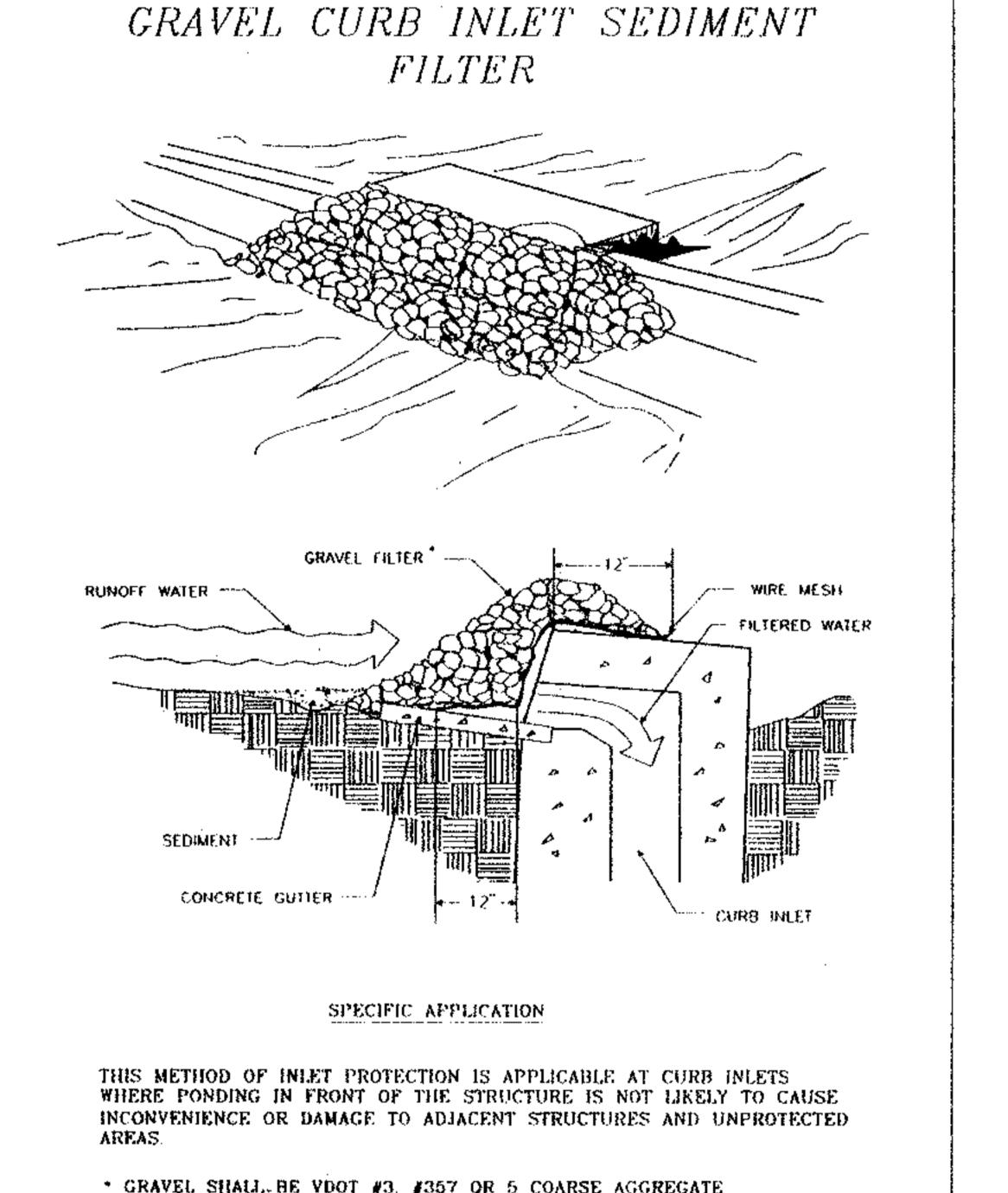
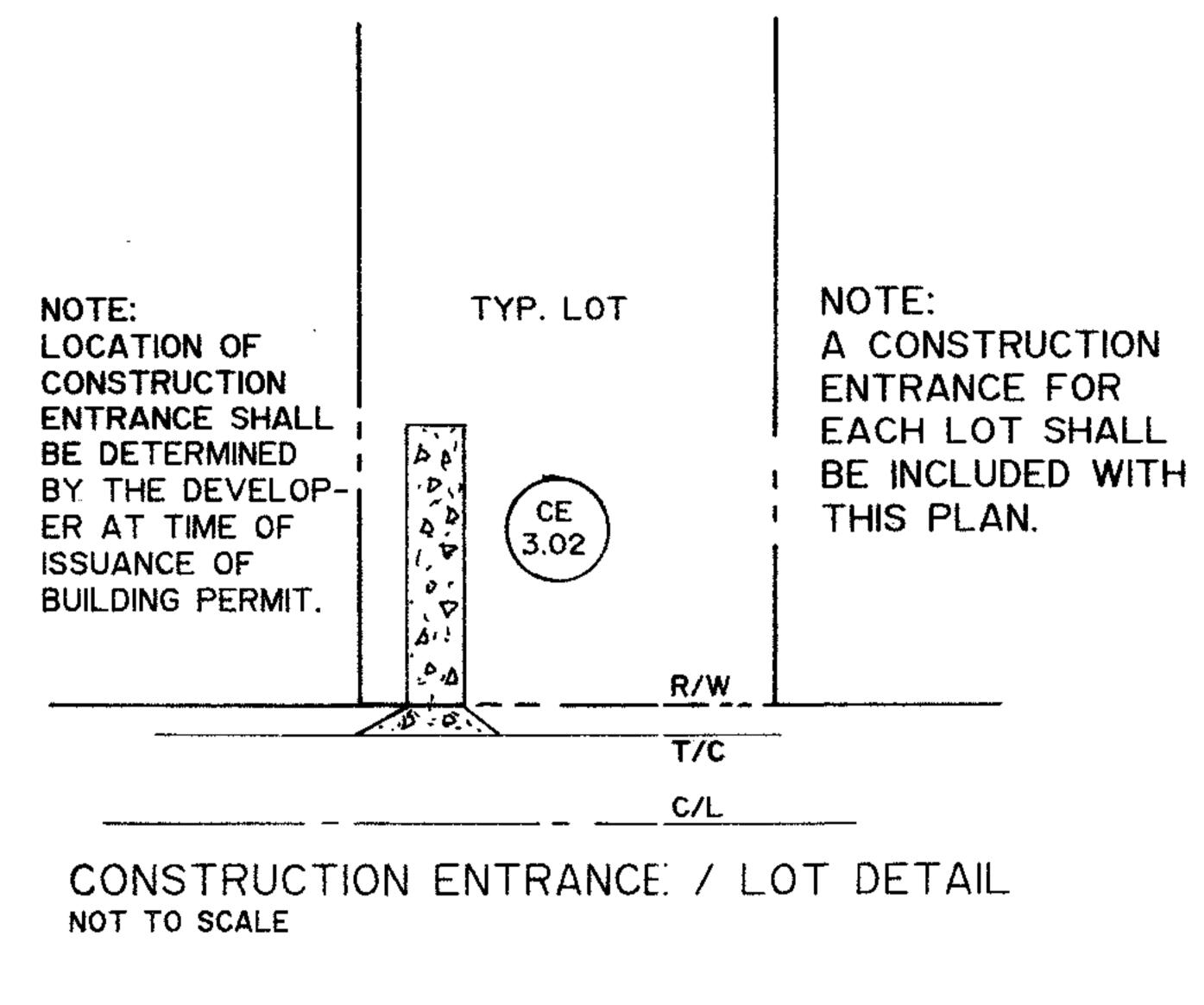


Plate 3.07-6

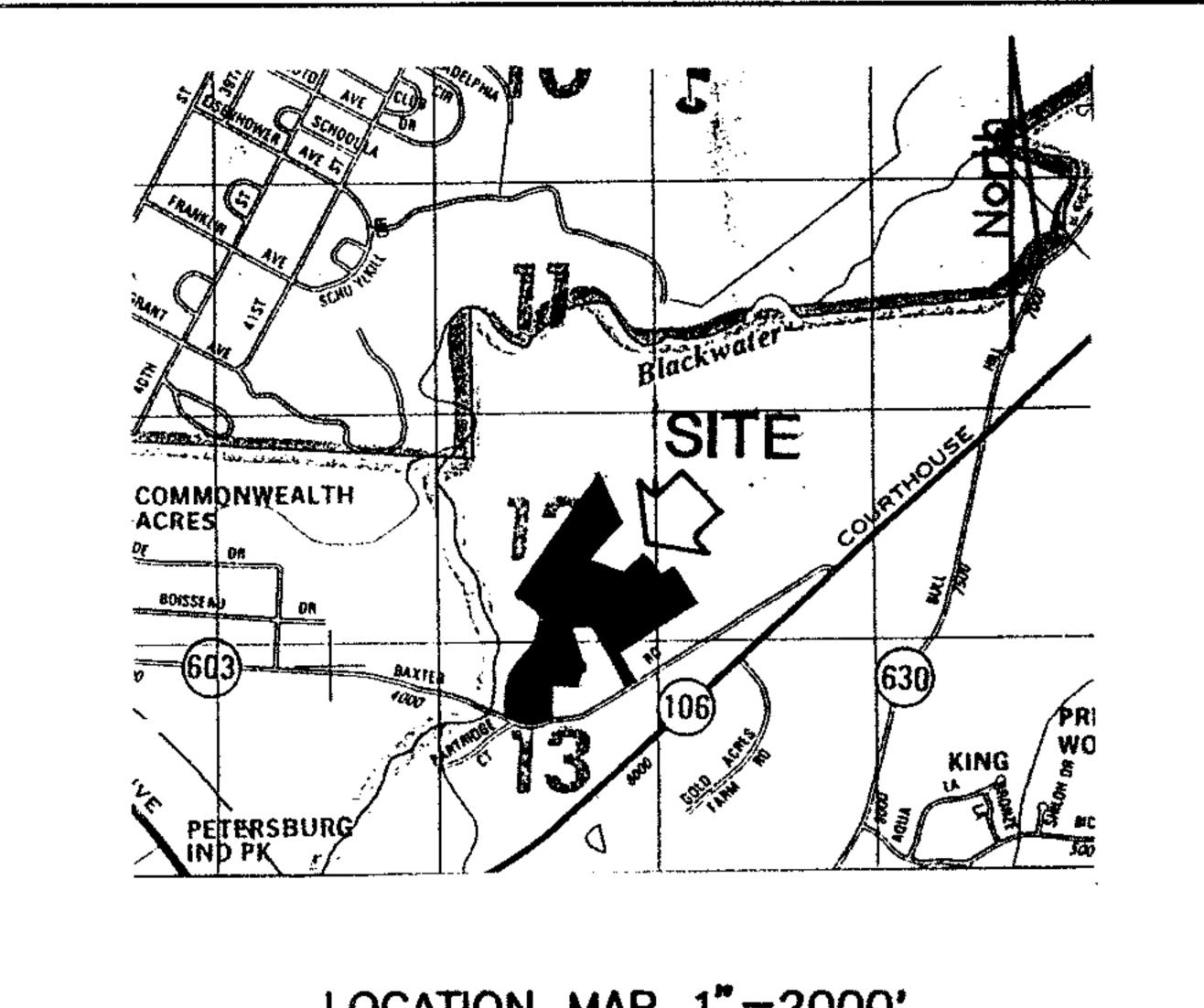
4" No. 57 or 68 STONE

DETAIL: ROLLFACE CURB & GUTTER

NOT TO SCALE.



MAY BE CONSTRUCTED PARALLEL TO



EROSION CONTROL/CONSTRUCTION NARRATIVE

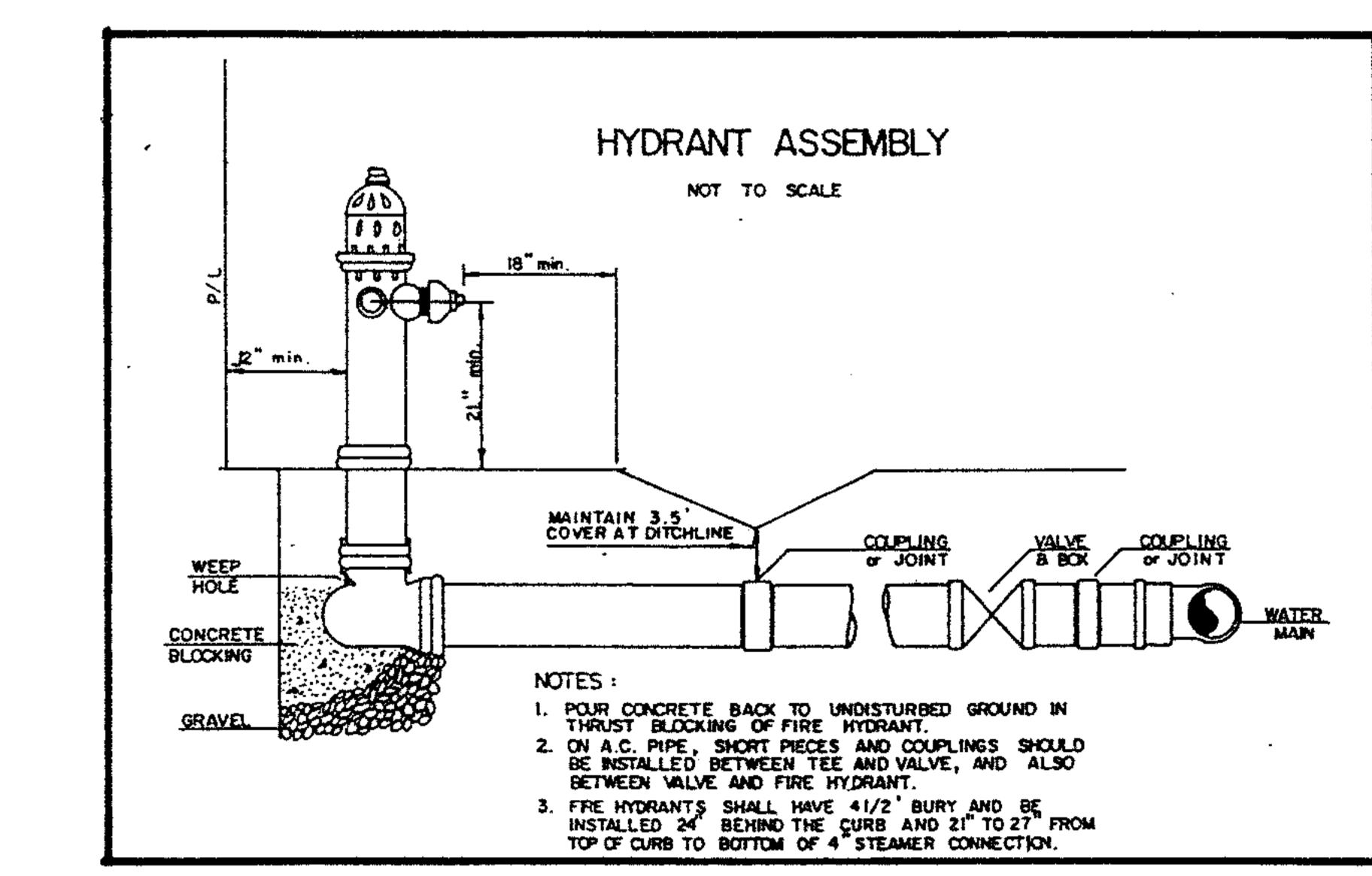
- INSTALL CONSTRUCTION ENTRANCE, CE 3.02. CLEAR AND GRUB RIGHTS-OF-WAYS, EASEMENTS AND FILL AREAS.
- BRING ROADS TO SUBGRADE AND INSTALL STRUCTURE 1. ENDS OF PIPES UNTIL CONSTRUCTION OF DROP INLETS.

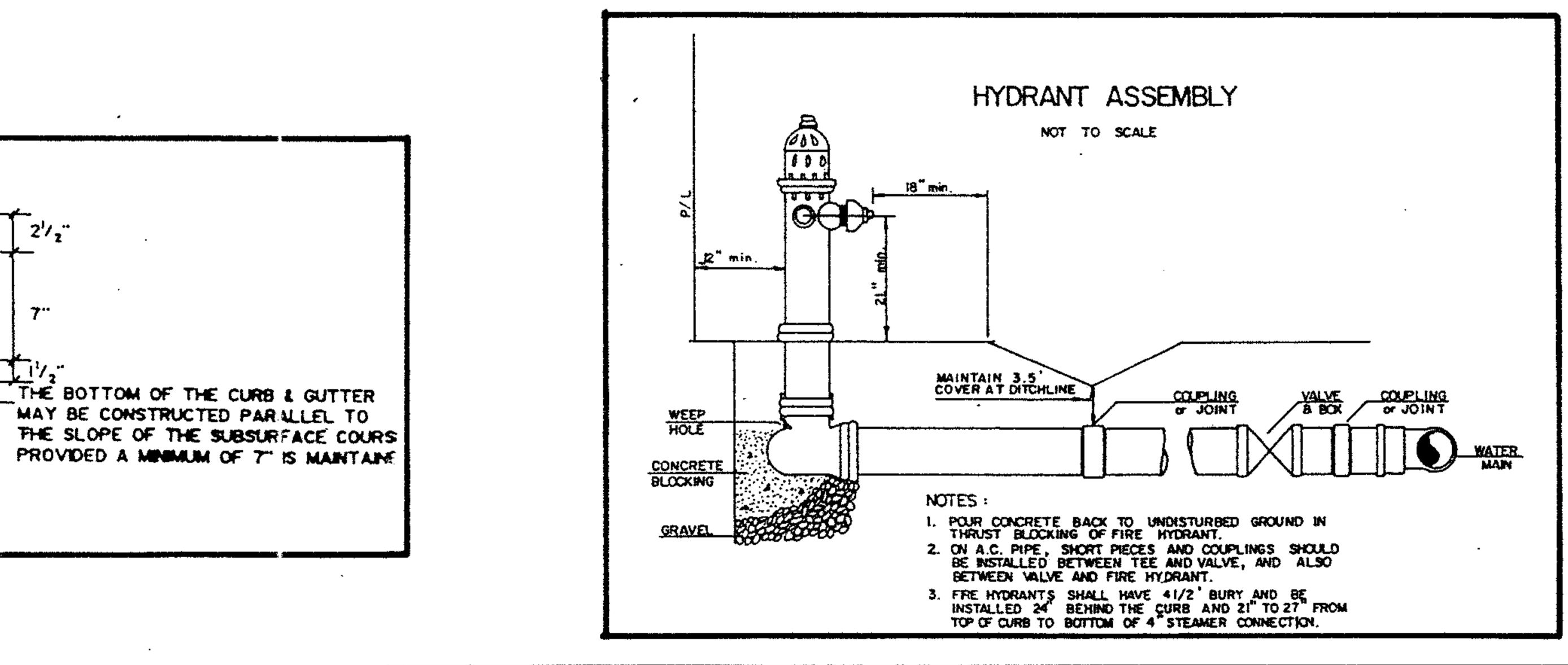
INSTALL DROP INLETS AND TEMPORARY GRASS LINED DITCHES,

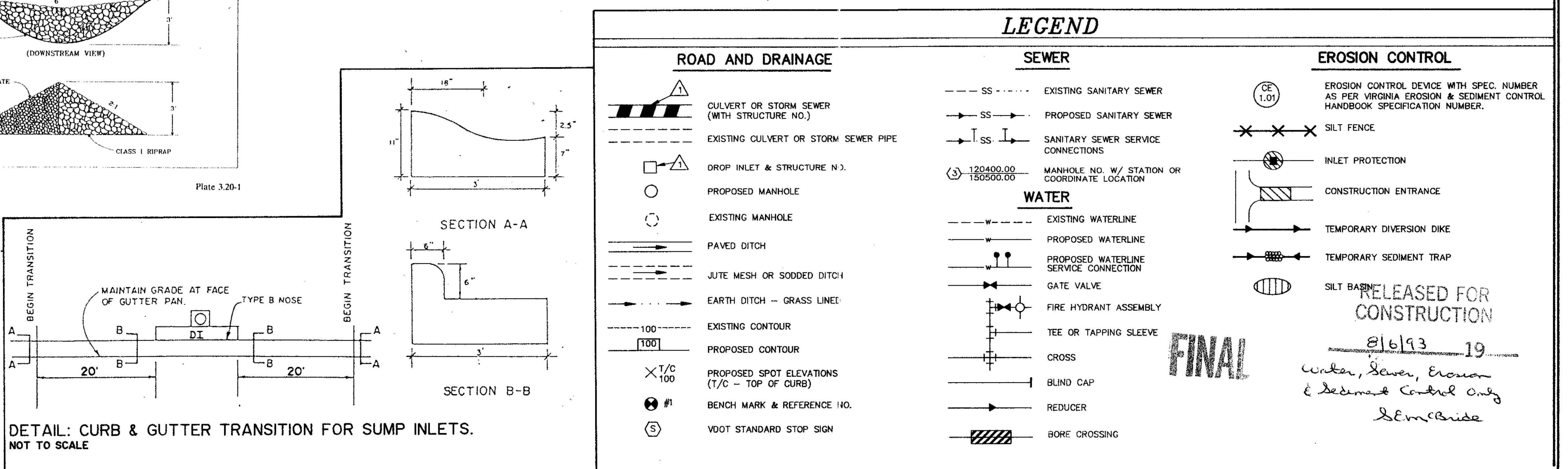
- STRUCTURES 34 & 35 ALONG WITH ASSOCIATED EROSION CONTROL
- FINE GRADE ROADWAYS AND INSTALL CURB AND GUTTER. B. INSTALL STONE BASE.
- 9. INSTALL YARD SWALES. 10. INSTALL ASPHALT.

EROSION CONTROL NOTES

- SOIL EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE CURRENT VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION 1992.
- PERMANENT OR TEMPORARY SOIL STABILIZATION MUST BE APPLIED TO DENUDED AREAS WITHIN SIXTY (60) DAYS AFTER FINAL GRADE IS ALSO BE APPLIED WITHIN SIXTY (60) DAYS TO DENUDED AREAS WHICH MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBE) FOR LONGER THAN SIXTY (60) DAYS.
- THE COUNTY OF PRINCE GEORGE ENGINEERING DEPARTMENT AND ALL OTHER EVALUATION OF THE METHOD USED AND THE OVERALL EFFECTIVENESS OF SEDIMENT CONTROL PLAN MAY BE AMENDED BY THE PLAN APPROVING AUTHORITY IF ON-SITE INSPECTION INDICATES THAT THE APPROVED CONTROL MEASURES ARE NOT EFFECTIVE IN CONTROLLING EROSION AND SEDIMENTATION OR BECAUSE OF CHANGED CIRCUMSTANCES THE PLAN CAN NOT BE CARRIED OUT.
- ALL EROSION CONTROL DEVICES SHALL BE INSPECTED DAILY BY THE SITE! ANY STRUCTURES THAT ARE DAMAGED OR INOPERATIVE WILL IMMEDIATELY REPAIRED OR REPLACED.







LOCATION MAP 1"=2000'

REVISIONS

WETLANDS 10/9/91 DRAWN BY CHECKED BY