- CRITERIA:
- AND DEBRIS. IT SHALL BE THOROUGHLY AND CAREFULLY COMPACTED TO INSURE A SOUND BACKFILL AROUND AND OVER THE PIPE.
- A SUITABLE SUBBASE, ACCEPTABLE TO THE ROAD ENGINEER FOR THE PROPOSED ROADS IF IN THE OPINION OF THE COUNTY OR ROAD ENGINEER, THE MATERIAL TAKEN FROM THE DITCH IS NOT SUITABLE FOR BACKFILLING, IT SHALL BE REMOVED AND ACCEPTABLE
- MATERIAL USED FOR BACKFILLING AND TRENCH. 4. TOP ELEVATIONS OF SEWER MANHOLES TO BE SET TO COINCIDE WITH THE PAVEMENT GRADE.
- 5. ALL UTILITIES TO BE IN PLACE BEFORE LAYING BASE MATERIAL (AGGREGATE, TYPE 21-A). CLEANING AND GRUBBING SHALL BE COMPLETE WITHIN THE ENTIRE RIGHT OF WAY UNLESS OTHER-WISE APPROVED BY THE ROAD ENGINEER.
- THE LOCATION OF ALL DRAINAGE STRUCTURES ON THESE PLANS IS APPROXIMATE. FINAL FIELD LOCATION MAY BE MADE BY THE ENGINEER TO MEET FIELD CONDITIONS.
- GRADE LINES ON PROFILES DENOTE FINISHED GRADE AT CENTER LINE OF ROAD. ALL VEGETATION AND OVERBURDEN TO BE REMOVED FROM SHOULDER TO SHOULDER PRIOR TO
- THE CONDITIONING OF THE SUBGRADE. 10. ALL DRAINAGE EASEMENTS TO BE CLEARED AND GRUBBED AND GRADED TO CONTAIN WATER FROM
- PIPE CULVERTS. 11. LENGTH OF ALL PIPE CULVERTS SHOWN ON THESE PLANS IS APPROXIMATE ONLY.
- CONCRETE FROM CURB AND GUTTER SHALL BE CLASS A-3 PER CURRENT SPECIFICATIONS OF THE
- EXPIRE THREE (3) YEARS FROM THE DATE OF APPROVAL.
- 14. THE CONTRACTOR WILL SEED ALL SLOPES AS SOON AS POSSIBLE TO ELIMINATE UNNECESSARY EROSION, NO DISTURBED SURFACE WILL BE LEFT UNSEEDED. WHERE REQUIRED, ALL ROADS DITCHES ARE TO BE PAVED IN ACCORDANCE WITH STANDARD PG-2A-1 (MODIFIED TO FIT TYPICAL SECTION) WITH MINIMUM DEPTH TO CONTAIN TEN YEAR STORM, UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN WRITING.
- VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION APPROVAL OF 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 PROPERTY.
- 16. ALL DRAINAGE EASEMENTS ARE TO EXTEND TO A NATURAL WATER COURSE.
- 17. SLOPE EASEMENTS FOR FILL SLOPES ARE REQUIRED WHERE SLOPES EXCEED PROPOSED RIGHT OF
- . PERMIT TO TIE INTO EXISTING ROAD SHALL BE OBTAINED FROM RESIDENT ENGINEER PRIOR TO ROAD CONSTRUCTION.
- 9. THE CONTRACTOR WILL SEED ALL SLOPES AND EASEMENTS WITH AT LEAST A TEMPORARY SEEDING WITHIN FIFTEEN (15) DAYS AFTER THE COMPLETION OF STREET GRADING OR STORM SEWER PLACE-MENT TO ELIMINATE UNNECESSARY EROSION. NO DISTURBED AREA WILL BE REQUIRED PRIOR TO THE ACCEPTANCE OF THE ROAD INTO THE STATE SYSTEM.
- 20. ALL PRIVATE ENTRANCE CULVERTS ARE TO BE CLASS III CONCRETE PIPE A D 20 FEET IN LENGTH, UNLESS OTHERWISE NOTED.
- 21. EXISTING CUL-DE-SACS TO BE REMOVED WHEN PROPOSED ROADS ARE CONSTRUCTED.
- 22. ALL SUBGRADE MATERIAL SHALL HAVE A MINIMUM CBR VALUE OF TEN (10).
- 23. PAVEMENT DESIGN SHALL BE SPECIFIED ON PLANS, AS WELL AS ROADWAY CATEGOLY.
- 24. ROAD ENGINEER MUST BE NOTIFIED PRIOR TO ANY CONSTRUCTION OF SUBDIVISION STREETS.
- 25. CUL-DE-SACS SHALL BE CONSTRUCTED AT THE ENDS OF ALL DEAD END ROADS UNLESS AUTHORIZED BY THE ROAD ENGINEER (ELIMINATE STUBS IF POSSIBLE).
- THE PLACEMENT OF THE SURFACE COURSE. IF UNSUITABLE MATERIAL FOR THE SUBGRADE ENCOUNTERED THEN THE ROAD ENGINEER MUST BE NOTIFIED PRIOR TO THE PLACEMENT OF THE BASE MATERIAL.
- . THE ROAD ENGINEER MUST BE NOTIFIED PRIOR TO THE SURFACE TREATMENT BEING APPLIED.
- 28. THE LOCATION OF EXISTING UTILITIES, STORM SEWERS, SANITARY SEWER, GAS LINES, WATER LINES, ELECTRICAL LINES AND TELEPHONE LINES EITHER UNDERGROUND AND/OR OVERHEAD ACROSS OR ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL ON HIS OWN INITIATIVE AND AT NO EXTRA COST, LOCATE ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPES OR OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO THE REMOVAL OR REARRANGEMENT OF SAME.
- 29. ALL CUT AND FILL SLOPES AND CHANNELSIDE SLOPES WHICH ARE NOT PAVED SHALL BE SEEDED UNTIL A GOOD STAND OF GRASS IS OBTAINED IN ACCORDANCE WITH: A. 100 LB. PER 1000SQ. FT. GROUND LIMESTONE OR EQUIVALENT. NO SOIL TEST REQUIRED
 - FOR INITIAL ESTABLISHMENT. 8. 20 LB. OF 10-10-10 FERTILIZER OR EQUIVAMENT PER 100 SQ. FT. C. VARISTIES TO BE SEEDED:
 - SPRING SEEDING-MARCH 1 THRU APRIL 30; SPRING OATS AT 25 LB. PER 1000 SQ. FT. SUMMER SEEDING-MAY 1 THRU AUGUST 1; WEEPING LOVE GRASS AT 2 OZ. PER 1000 SO
 - FT. WITH I BUSHEL SAWDUST FOR UNIFOR I SEEDING. 3. AUTUMN SEEDING-AUGUST 1 THRU NOVEMBER 15: TALL FESCUE (KY 31) AT 1.5 LB.
 - PER 1000 SQ. FT. MULCH-100 LB. STRAW PER 1000 SQ. FT. OR ASPHALT MULCH 5 GAL, PER
 - 5. ALL SEEDING MUST BE MULCHED.
- 30. 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.
- 31. CONTRACTOR SHALL CALL FOR COUNTY INSPECTION OF ALL PIPE LINE INSTALLATION PRIOR TO PLACING BACKFILL.
- 32. WHEN ALL IMPROVEMENTS ARE COMPLETED, ALL DRAINAGE AND SANITARY SEWER LINES ARE FLUSHED AND CLEANED OF FOREIGN MATTER AND ALL CURBS AND GUTTERS AND STREETS ARE CLEANED AND FREE OF DIRT AND DEBRIS, THE SUBDIVIDER SHALL NOTIFY THE APPROPRIATE LOCAL OFFICIAL TO MAKE FINAL INSPECTION, A REPRESENTATIVE OF THE SUBDIVIDER SHALL BE PRESENT AT THE FINAL INSPECTION.
- 33. THE CONTRACTOR SHALL NOTIFY THE LOCAL INSPECTOR AT LEAST 24 HOURS BEFORE PLACING BASE STONE SO THE SUBGRADE MAY BE INSPECTED AND 24 HOURS BEFORE PLACING SURFACE
- COURSE SO THE LOCAL INSPECTOR WILL BE ON SITE. 34. WHERE SPRINGS ARE ENCOUNTERED WITHIN THE RIGHT OF WAY, STANDARD SPRING BOXES SHALL BE PROVIDED AND PIPED TO THE NEAKEST DRAINAGE OUTLET.
- 35. WHERE DITCHES ARE DEEPENED TO ACCOMMODATE CULVERTS, THE SLOPE FROM THE SHOULDER TO THE DITCH SHALL BE MAINTAINED 2.7:1, THEREBY MOVING THE DITCH PROFILE FURTHER FROM
- CONTRACTOR SHALL NOTIFY "MISS UTILITY" BEFORE BEGINNING ANY EXCAVATION (1-800-552-7001 37. 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 TURNED ONTO ADJACENT LOTS.
- 38. PUGMILLING OF THE AGGREGATE BASE MATERIAL WILL BE REQUIRED IF THE BASE IS TO BE SEALED IN A PERIOD OF 60 DAYS OR LESS. PUGMILLING WILL NOT BE REQUIRED IF THE PERIOD IS GREATER THAN 60 YEARS.

SECTION 3

RIVES DISTRICT PRINCE GEORGE COUNTY,

PRINCE GEORGE COUNTY UTILITY NOTES

4. WATER LINES ARE TO BE CONSTRUCTED ACCORDING TO DESIGN STANDARDS AND

SPECIFICATIONS FOR UTILITY CONSTRUCTION IN PRINCE GEORGE COUNTY.

WATER LINE TO BE CLASS 150 PIPE WITH CAST IRON FITTINGS WITH RING

. FIRE HYDRANTS ARE TO BE THREADED ACCORDING TO PRINCE GEORGE COUNTY

6. BEFORE CONSTRUCTION OF THIS WATER LINE CAN BEGIN, THE ENGINEER MUST

CERTIFY IN WRITING THAT THE ROADS ARE WITHIN 6" OF FINAL SUB-GRADE.

ALL WATER LINES TO EXTEND A MINIMUM OF ONE SECTION PAST VALVE

TIGHT BELLS CONFORMING TO ASA 2110 AND AWWA C-100.

MINIMUM CLEAR COVER OVER TOP OF PIPE SHALL BE 3'-6".

WATER

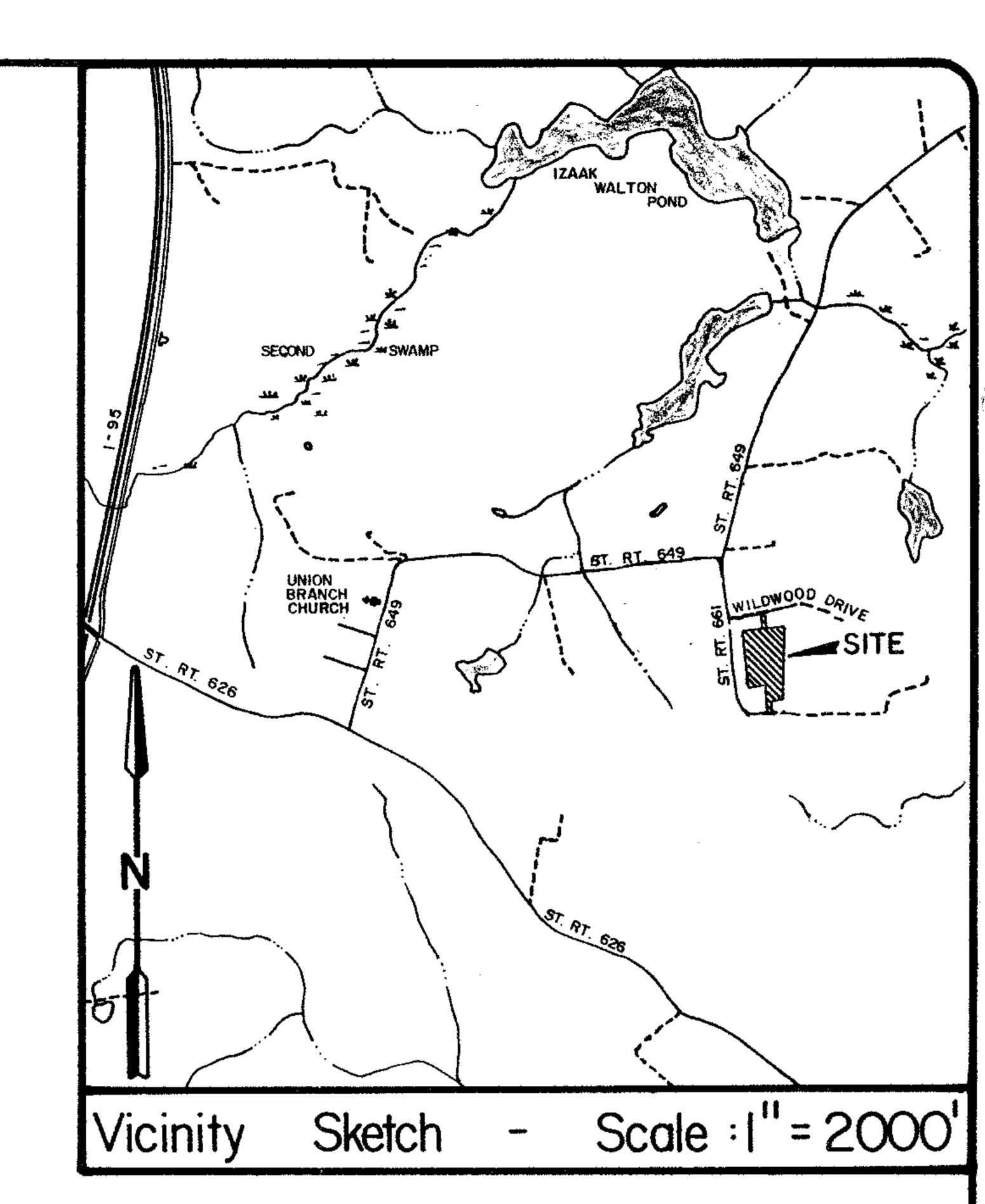
BEFORE CAPPING.

FIRE DEPARTMENT REQUIREMENTS.

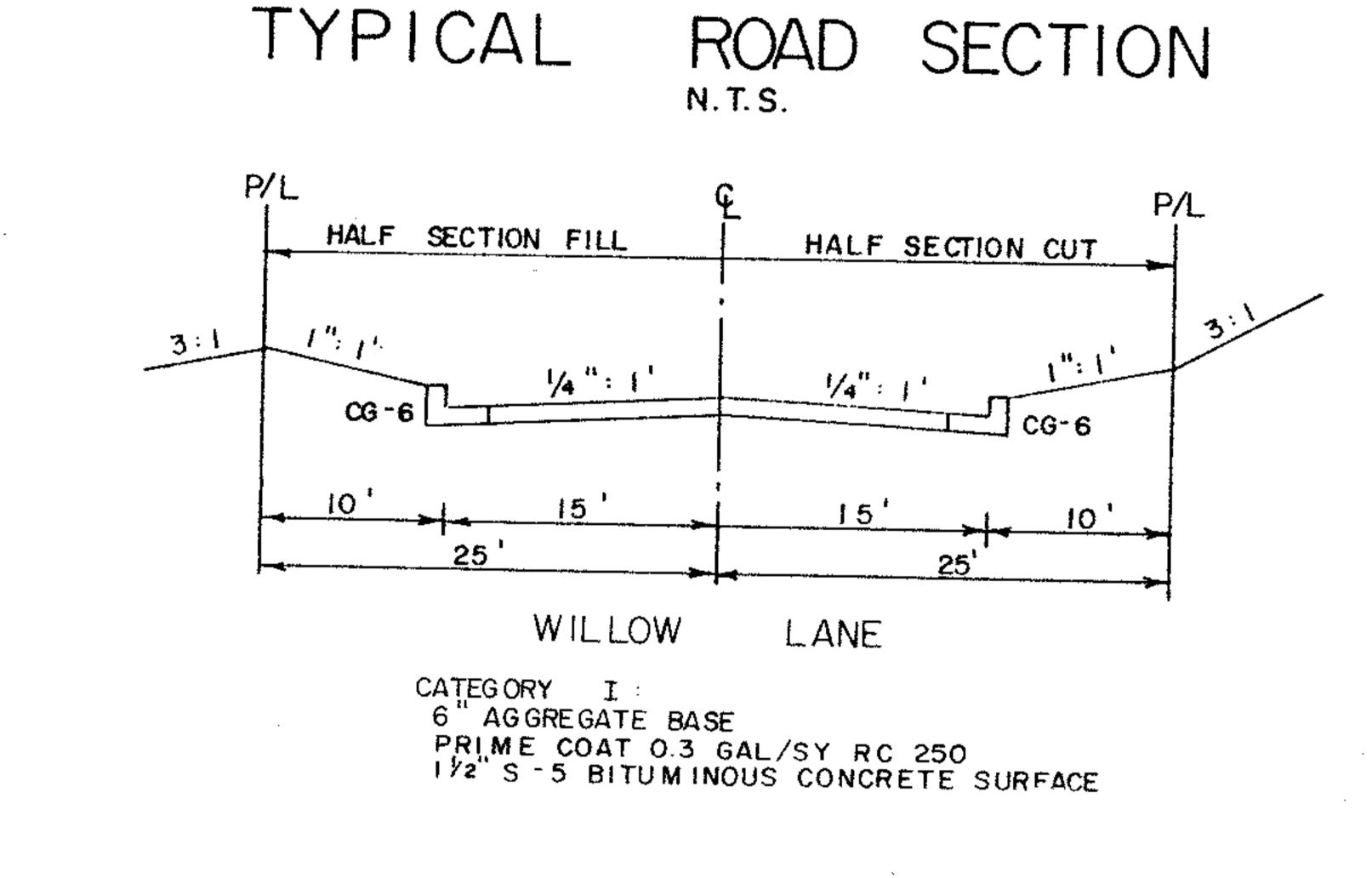
FROM 10' ONE SIDE OF TRENCH TO 10' OTHER SIDE RESURFACE WITH 0.3 GAL. CAE-2 or RC-250 per SQ. YD. AND IMMEDIATELY COVER WITH #8 STONE LOWEST 2"S-5 or 4"B-3 TACK COAT 0.05-0.15 GAL. CAE-2 or RC-250 per SQ. YD. MIN. CREATE A 2" BENCH (EACH SIDE) 21 or 21A AGGREGATE _ COMPACTED MIN. 3. MN. 12" WATERLINE MIN, TRENCH WIDTH TO SUPPORT TRENCH BOX

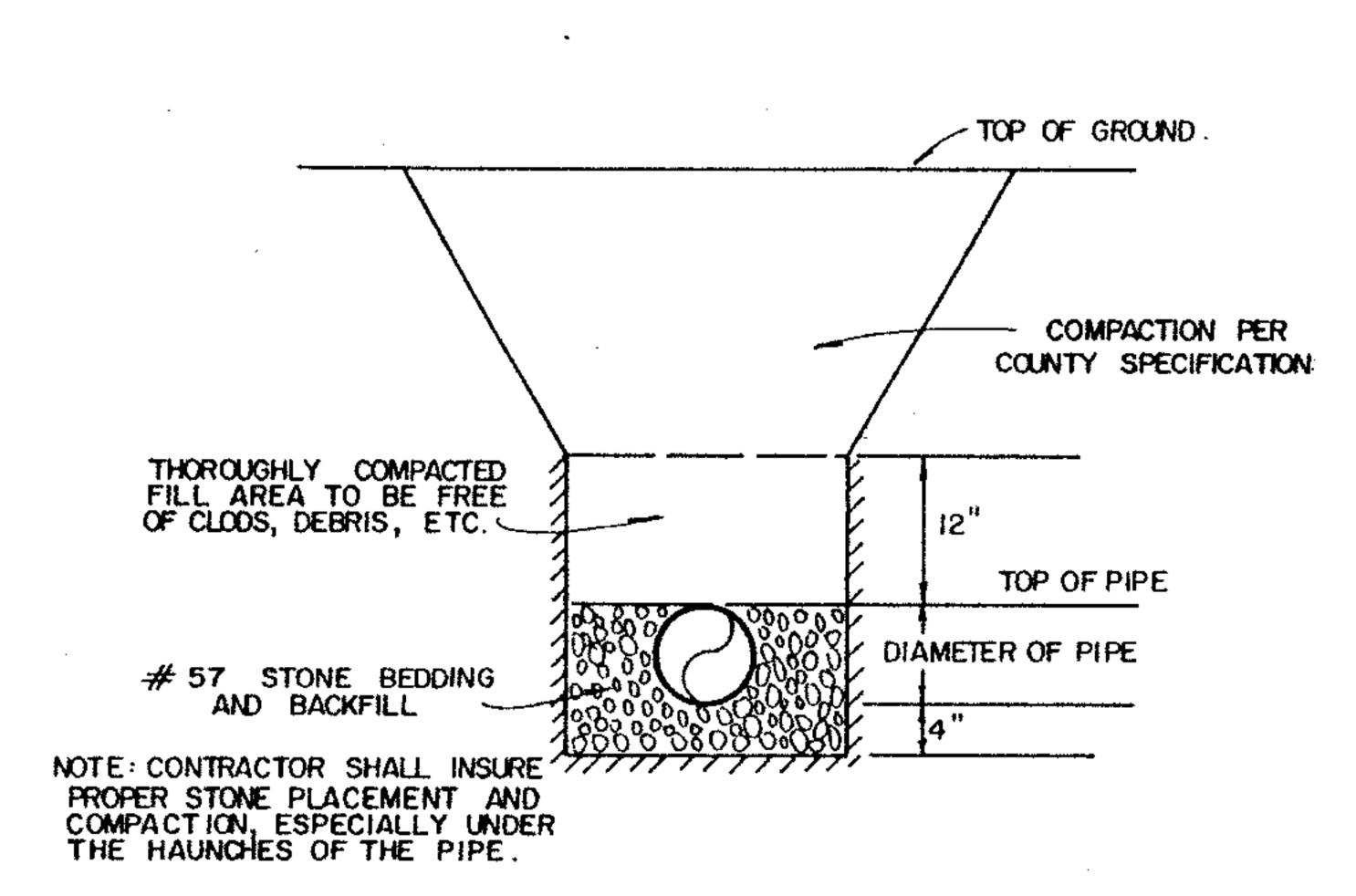
TYPICAL SECTION FOR REPAIR OF OPEN CUT AFTER PLACEMENT OF WATERLINE IN SURFACE TREATED ROADS.

NOTE: THIS DETAIL APPLIES TO CROSSINGS ONLY (NOT PARALLEL INSTALLATIONS)



OWNER / DEVELOPER M & G ASSOCIATES, INC. 3833 S. CRATER ROAD PETERSBURG, VA. 23805 PHONE: (804) 732-5777





SPECIAL BEDDING and BACKFILL DETAIL FOR PLASTIC SEWER PIPE NO SCALE

ALL WORK SUBJECT

TO INSPECTION BY

HYDRANT ASSEMBLY NOT TO SCALE RELEASED FOR J2" min. CONSTRUCTION FINA FRE HYDRANTS SHALL HAVE 41/2' BURY AND BE INSTALLED 24" BEHIND THE CURB AND 21" TO 27" FROM TOP OF CURB TO BOTTOM OF 4" STEAMER CONNECTION.

LICENSE NO

R T T RIVES GEORGE REVISIONS

SCALE

DRAWN BY

CHECKED BY

F.B. #

SHEET #