

DROP INLET & STRUCTURE NO.

PROPOSED PAVEMENT

JUTE MESH OR SODDED DITCH DEPTH OF JUTE MESH DITCH

DRIVEWAY CULVERT AND SIZE

PROPOSED CONTOUR

VDOT STANDARD STOP SIGN EXISTING CONTOUR

EXISTING SPOT ELEVATION PROPOSED SPOT ELEVATION

M.H. NUMBER W/ STATION OR

WATER

EXISTING WATER LINE PROPOSED WATER LINE

—————— _____ REDUCER

FIRE HYDRANT (COMPLETE)

SINGLE SERVICE CONNECTION

EROSION CONTROL

CONSTRUCTION ENTRANCE 1.01

* VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK SPEC. NO.

- OWNER AND DEVELOPER: BRANCHESTER ASSOCIATES C/O DONALD PARR 701 NORTH BROADWAY HOPEWELL, VA. 23860 PHONE: (804) 452-0505
- . ZONING: R-1
- NUMBER OF LOTS: 42
- 4. TAX MAP NUMBER: PART OF 13-(6) 2 & 3

SEWER AND WATER NOTES

- ALL MATERIALS FOR SEWER AND WATER SYSTEMS SHOWN SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST APPLICABLE SPECIFICATION OF PRINCE GEORGE COUNTY.
- ALL WORK SHALL BE SUBJECT TO INSPECTION BY UTILITY DEPARTMENT OFFICIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF APPROPRIATE COUNTY OFFICIALS 48 HOURS PRIOR TO START OF WORK.
- MINIMUM CLEAR COVER FOR ALL WATER PIPE SHALL BE 3.5 FEET.
- THE UTILITY CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY HIGHWAY PERMITS AND SEND A COPY TO THE COUNTY PRIOR TO START OF CONSTRUCTION.
- ANY LOT WITH LESS THAN 50 FEET OF FRONTAGE SHALL HAVE FRONT CORNERS OR END OF 6' CONNECTION STAKED PRIOR TO CONSTRUCTION OF A 6' SEWER SERVICE.
- 3. SEWER PIPE SHALL BE PVC. ALL SEWER JOINTS SHALL BE CLASS A. BEDDING SHALL BE CLASS B MINIMUM;
- SEWER GRADES ARE BASED ON U.S.C. AND G. S. DATUM.
- 8. CONTRACTOR SHALL INSTALL 6" SEWER SERVICE CONNECTIONS TO ALL LOTS (R/W LINE OR EDGE OF EASEMENT)
- 9. ALL WATER SERVICES ARE TO BE COPPER, TYPE K, DRAWN TUBING.

BEDDING SHALL BE AS SHOWN IN DETAIL ON SHEET 1 OF 5.

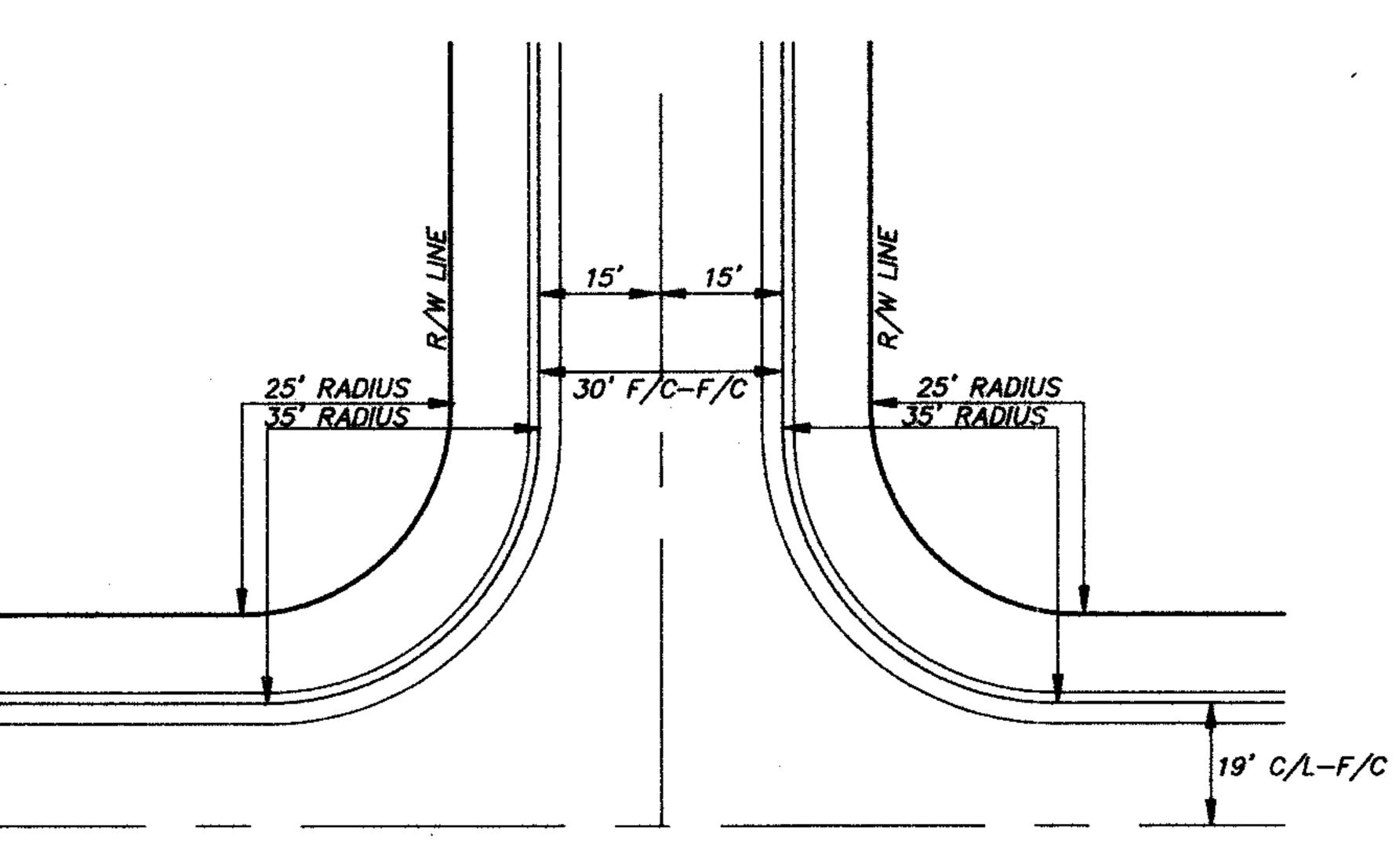
- 10. THE CONTRACTOR WILL INSTALL ALL WATER CONNECTIONS AND METER BOXES.
 METER BOXES FTOPS TO BE IT XIS" CASTILLOW,
- FIRE HYDRANT PUMPER CONNECTIONS SHALL FACE IN THE DIRECTION OF THE ARROW.
- 12. THE EXACT MANHOLE TOP SHALL BE ON THE SAME GRADE AS THE FINISHED ROAD GRADE AND AS NOTED ON
- IT SHALL BE REMOVED AND ACCEPTABLE MATERIAL USED FOR BACKFILLING THE TRENCH.
- 14. THE ENGINEER WILL CERTIFY THAT THE ROADS ARE WITHIN 6" OF SUBGRADE BEFORE WATERLINE CONSTRUCTION CAN BEGIN.
- 15. FOR SEWER AND WATER INSTALLATION WITHIN EXISTING VDOT R/W; UTILITY CONTRACTORS MUST NOTIFY VDOT WHEN INSTALLATION BEGINS SO THAT DENSITY CAN BE TESTED (95% OPTIMUM MOISTURE +20%).
- AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY, IF: LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLAN, OR IF: THERE APPEARS TO BE A CONFLICT, AND UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THE PLAN. TO MISS THE UTILITY CALL "MISS UTILITY" OF CENTRAL VIRGINIA: 1-800-552-7001 (TOLL FREE).
- 7. THE INSTALLATION OF BACK FLOW DEVICE IS REQUIRED IN ALL HOUSES WHERE THE FINISHED FLOOR ELEVATION IS LOWER THAN UPGRADE MANHOLES. THIS DEVICE WILL BE INSPECTED BY THE COUNTY BUILDING INSPECTOR.
- 18. INDIVIDUAL WATER SERVICES TO BE 3/4".
- 19. ALL WATERLINE VALVES MUST BE LOCATED ON THE TEE OR CROSS WHEN APPLICABLE.
- 20. ALL MANHOLES IN UTILITY EASEMENTS ARE TO HAVE THE CONCRETE SECTION EXTENDED ONE FOOT ABOVE THE GROUND.
- 21. USE OF HEIGHT ADJUSTMENT RINGS WILL NOT BE ALLOWED EXCEPT UNDER PAVED SURFACES WHERE A MAXIMUM OF ONE RING IS PERMITTED.
- 22. A SMOOTH TRANSITION OF DROP MANHOLE MUST BE PROVIDED FOR EACH LATERAL OR SANITARY SEWER ENTERING
- 23. AN "S" MUST BE STAMPED ON THE CURB BEFORE THE CONCRETE HAS SET UP TO INDICATE WHERE THE SANITARY SEWER LATERAL IS LOCATED FOR EACH LOT.
- 24. FIRE HYDRANTS TO BE PAINTED OSHA YELLOW BY CONTRACTOR .

EROSION CONTROL NOTES

- 1. ALL DISTURBED AREAS TO BE SEEDED WITHIN 15 DAYS AFTER ROUGH GRADING IS COMPLETED.
- . ALL STREETS WILL BE STABILIZED WITH BASE STONE WITHIN 30 DAYS AFTER FINAL GRADING.
- THE PRINCE GEORGE ENGINEERING OFFICE WILL BE NOTIFIED 24 HOURS IN ADVANCE OF ANY PLANS TO BEGIN CLEARING AND GRADING OPERATIONS.
- APPROVED CONTROL MEASURES ARE NOT EFFECTIVE IN CONTROLLING EROSION AND SEDIMENTATION OR BECAUSE OF CHANGED CIRCUMSTANCES THE APPROVED PLAN CANNOT BE CARRIED OUT.

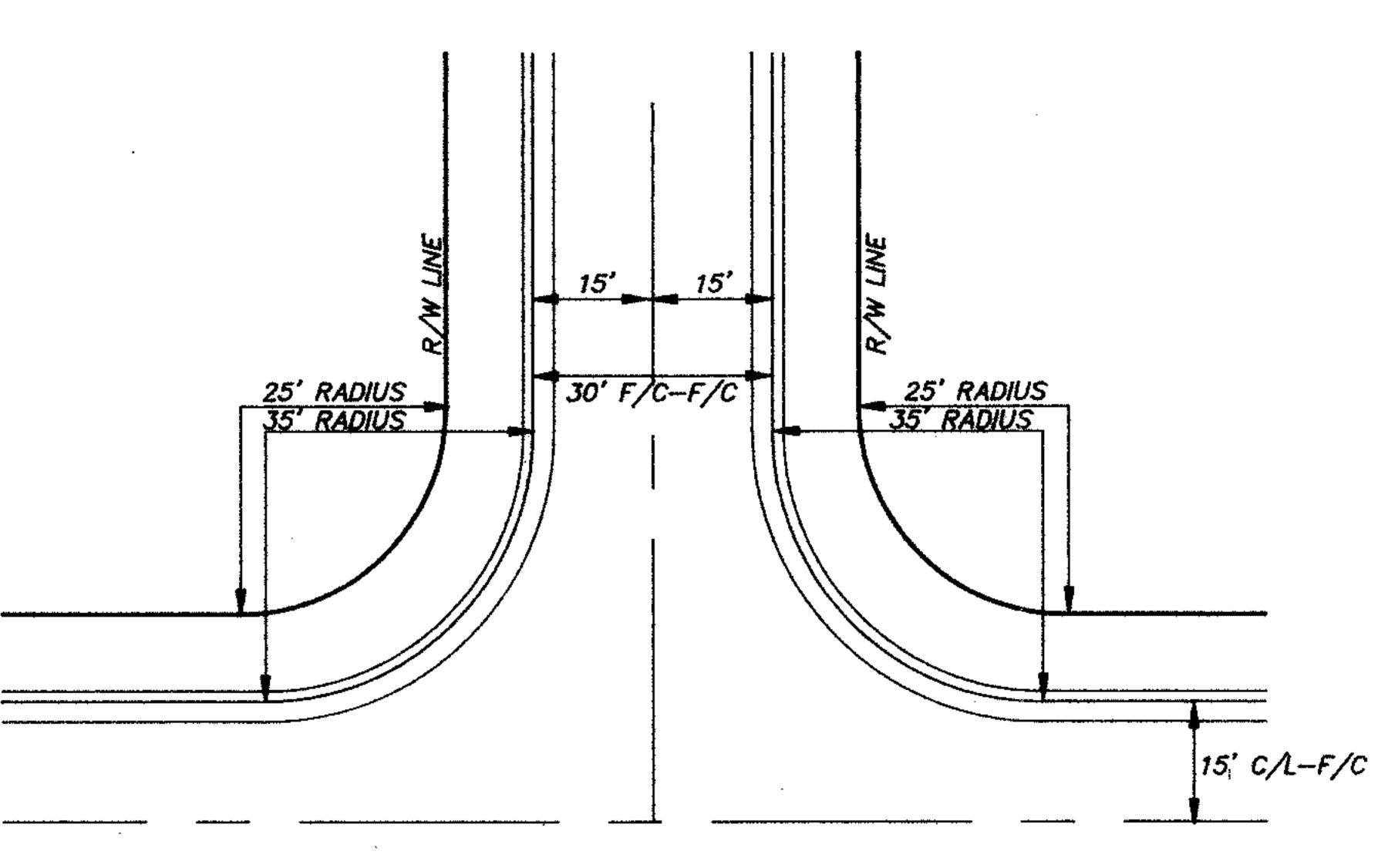
GENERAL NOTES

- 1. 1989 EDITION OF ROAD AND BRIDGE SPECIFICATIONS AND JANUARY 1, 1989 EDITION OF THE ROAD DESIGNS POURING, CURING, FORMS, WORKMANSHIP, ETC. OF ALL CONCRETE USED ON THIS PROJECT
- STABILIZED BASE COURSE MATERIAL. MATERIALS AND INSTALLATION OF ALL PIPE CULVERTS.
- VDOT AND COUNTY APPROVAL OF SUBDIVISION ROAD PLANS DOES NOT PRECLUDE THE RIGHT TO ADDITIONAL FACILITIES SUCH AS SEEDING, PAVING, SILT DAMS, ETC. AS MAY BE DEEMED NECESSARY BY EITHER AUTHORITY PRIOR TO THE THE ACCEPTANCE OF SUCH ROADS IN ORDER TO LIMIT SILTATION AND POLLUTION OF NEARBY LAKES, PONDS, STREAMS AND ADJACENT PROPERTY.
- 3. THE VDOT APPROVAL OF THESE PLANS WILL EXPIRE THREE (3) YEARS FROM DATE OF APPROVAL.
- ROADS WILL BE STAKED ON ONLY ONE SIDE. REPLACEMENT OF THESE HUBS AND ANY OTHER STAKING WILL BE DONE BY THE CONTRACTOR AT HIS EXPENSE. THE CONTRACTOR SHALL INSPECT THE CONTROL STAKING MENTIONED ABOVE AND VERIFY BEFORE CONSTRUCTION.
- 5. ALL GRADE STAKES DESTROYED BY THE CONTRACTOR, SHALL BE REPLACED AT HIS EXPENSE.
- 6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE THE EXISTING RIGHT OF WAY STONES. ANY MARKERS DAMAGED SHALL BE REPLACED AT HIS EXPENSE.
- CLEARING AND GRUBBING SHALL BE COMPLETE WITHIN THE RIGHT OF WAYS AS INDICATED ON LAYOUT PLAN.
- 8. ALL DRAINAGE EASEMENTS TO BE CLEARED, GRUBBED, AND GRADED TO CONTAIN WATER FROM PIPE CULVERTS AND TO EXTEND TO A NATURAL WATERCOURSE.
- 9. EXCESS EXCAVATION TO BE DISPOSED OF AS DIRECTED BY THE ENGINEER.
- 10. ALL FILLETS AT INTERSECTIONS TO HAVE 35' RADII UNLESS OTHERWISE NOTED.
- 11. GRADE LINES ON PROFILES DENOTE FINISHED GRADE OF CENTER LINE OF ROAD.
- 12. BASE MUST BE APPROVED BY VDOT FOR DEPTH, TEMPLATE, AND COMPACTION BEFORE SURFACE TREATMENT IS APPLIED.
- 13. SLOPE EASEMENTS FOR FILL SLOPES ARE REQUIRED WHERE SLOPES EXCEED PROPOSED RIGHT-OF-WAY LIMITS SHOWN.
- 14. PERMIT TO TIE INTO EXISTING ROADS, SHALL BE OBTAINED FROM RESIDENT ENGINEER PRIOR TO ROAD CONSTRUCTION.
- 15. ALL APPROACH GUTTERS TO SAG INLETS SHALL MAINTAIN A MINIMUM SLOPE OF 0.004 ft/ft.
- 16. PRIME COAT MUST BE APPLIED TO ROAD BASE AGGREGATE PRIOR TO APPLICATION OF ASPHALT SURFACE (PRIME COAT RC—250, 0.3 GALLONS PER SQUARE YARD).
- 17. ALL UTILITIES TO BE IN PLACE PRIOR TO LAYING BASE MATERIAL.



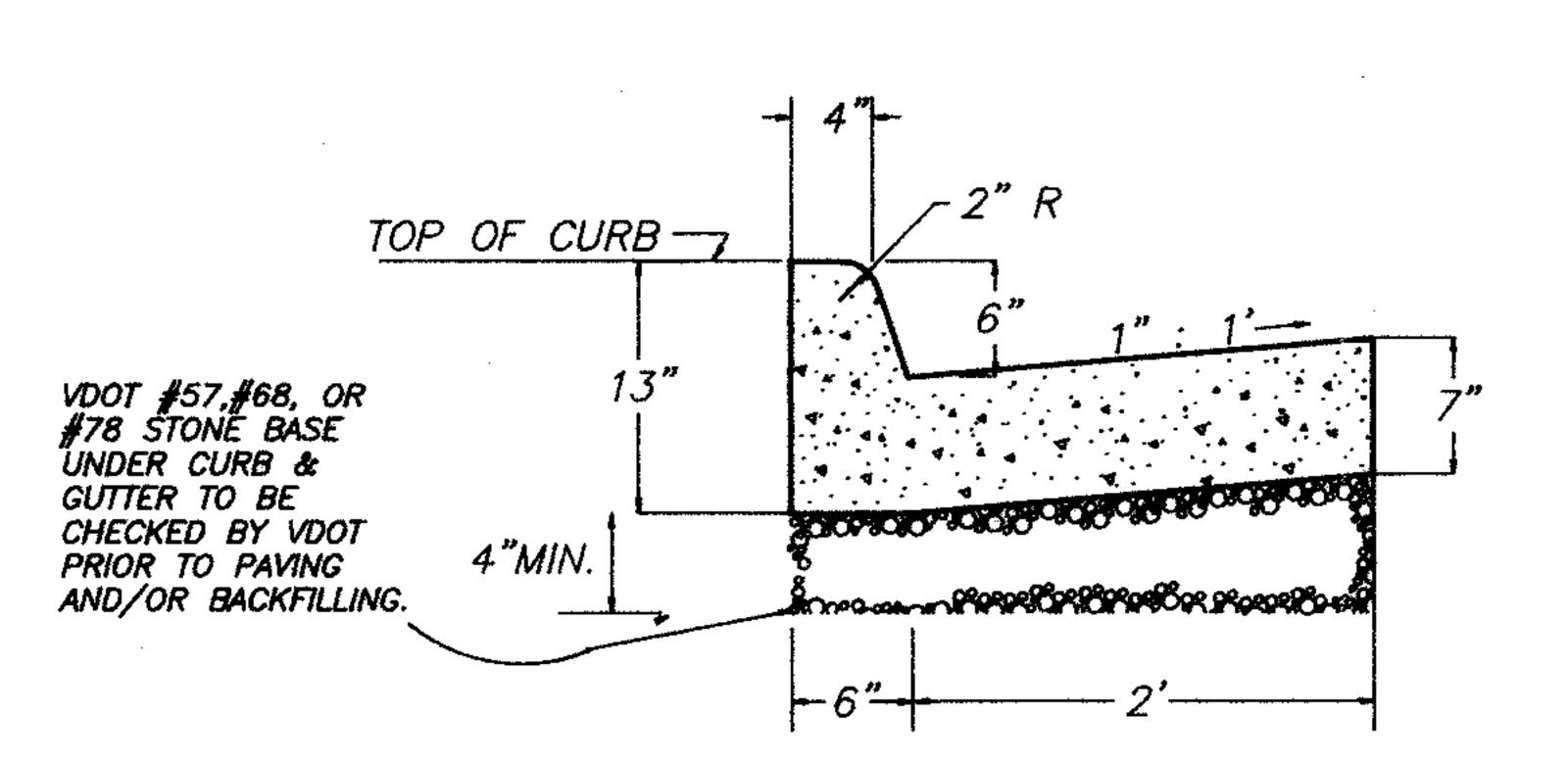
TYPICAL SECTION INTERSECTION SCALE: 1"=20'

HALEY LANE & TAKACH ROAD



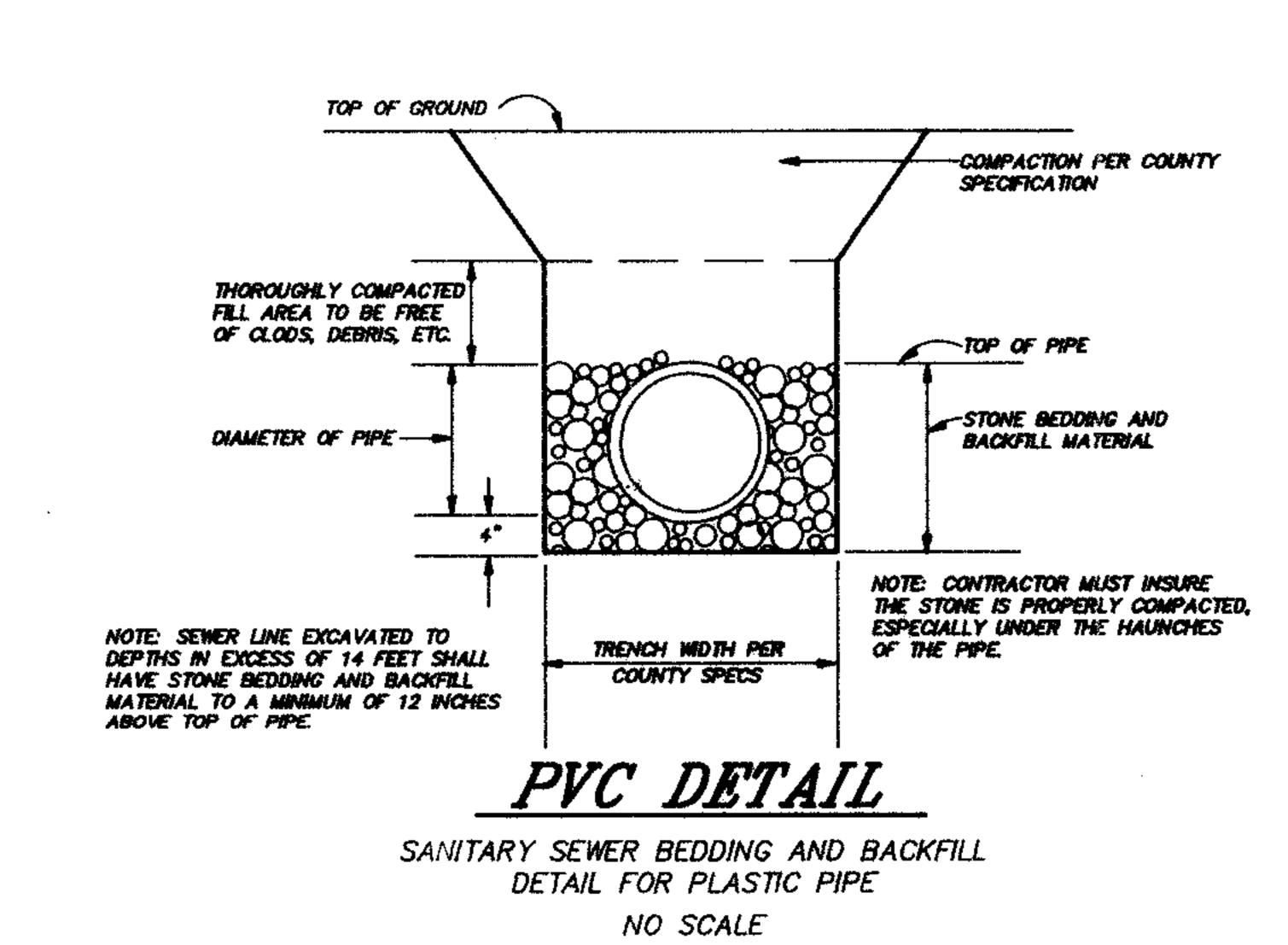
TYPICAL SECTION INTERSECTION SCALE: 1"=20'

TRAILING ROCK ROAD & HALEY LANE



VDOT STANDARD CG-6

NO SCALE



CERTIFICATION

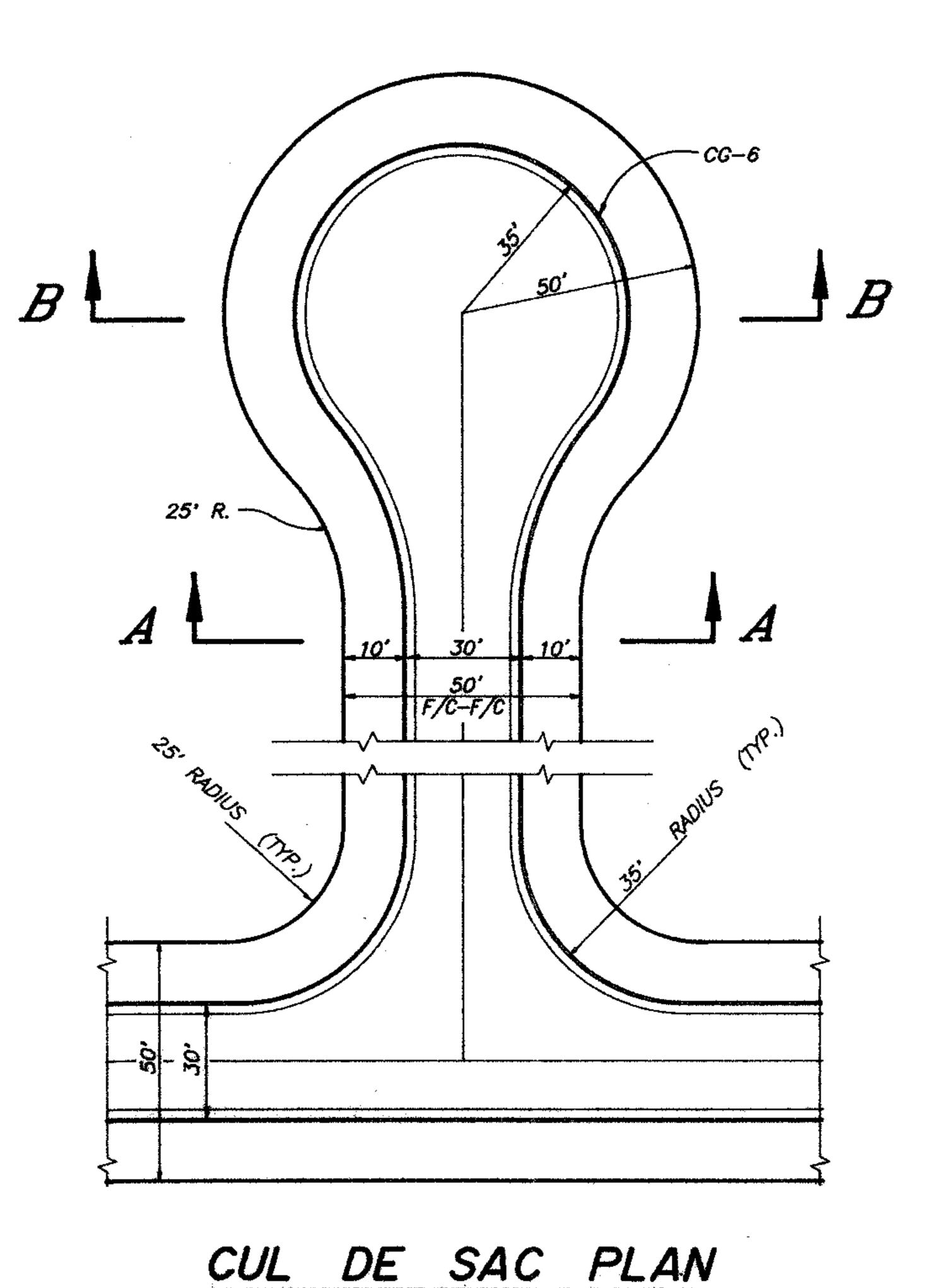
FROM THE UTILITY DEPARTMENT. IF ANY CHANGES ARE APPROVED, REVISED WATER AND OR SEWER PLANS WILL BE SUBMITTED WITHIN 48 HOURS AFTER APPROVAL.

WATERLINE NARRATIVE

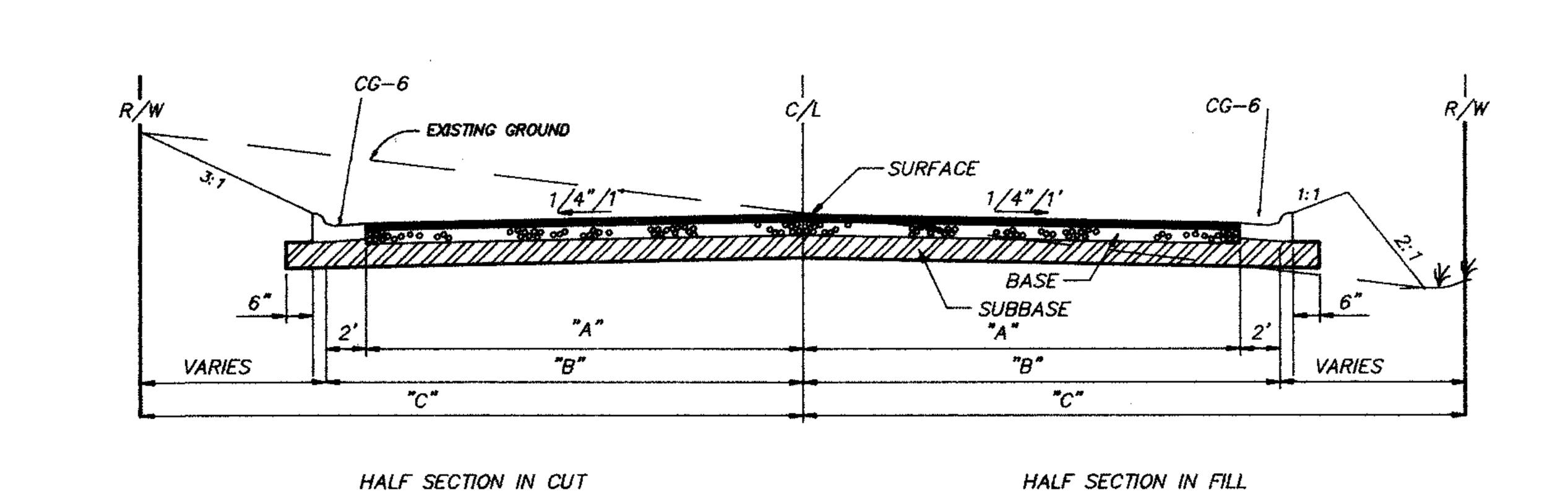
550 LF OF 8" WATER LINE FROM A 8"x8" TEE AT THE INTERSECTION OF HALEY LANE AND TAKACH ROAD TO A PLUG AT THE INTERSECTION OF TAKACH ROAD AND SILVER FOX LANE. 977 LF OF 8" WATER LINE FROM A 8"x8" TEE AT THE INTERSECTION OF TRAILING ROCK ROAD AND HALEY LANE TO AN 8"x8" TEE AT THE INTERSECTION OF HALEY LANE AND TAKACH ROAD.

520 LF OF 8" WATER LINE FROM STA. 34+00 TRAILING ROCK ROAD TO A TEE AT THE INTERSECTION OF TRAILING ROCK ROAD AND HALEY LANE.

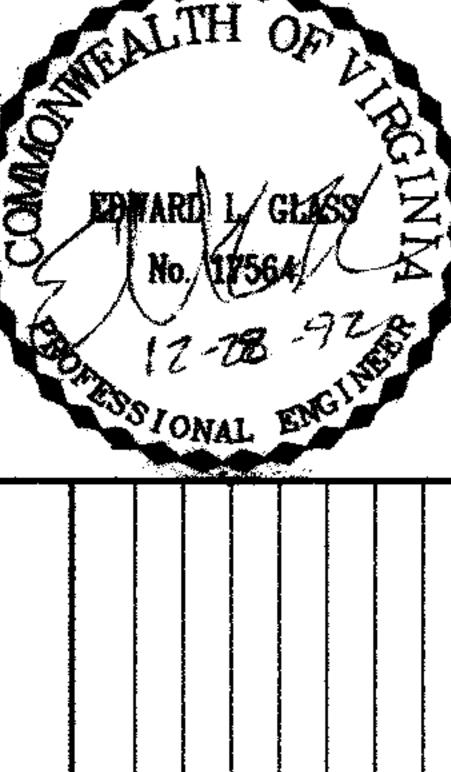
670 LF OF 8" WATER LINE FROM A 8"x8" TEE AT THE INTERSECTION OF TRAILING ROCK ROAD AND HALEY LANE STA. 55+30 TRAILING ROCK ROAD.



NO SCALE



			 	AD CLASSI					
ROAD STA. TO STA.	VPD	CATEGORY -	PAVEMENT DESIGN ① ②			DIAL'T WOTH	*8*		"C"
			SUBBASE	BASE	SURFACE	PVM'T. WIDTH (C/L - E/P)	C/L - F/C	C/L - B/C	R/W WIDTH
TRAILING ROCK ROAD TA. 43+28 TO STA. 48+56	290	I		8" 21-B	2" SM-3A	13'	15'	15'-6"	50'
TRAILING ROCK ROAD TA. 48+56 TO STA. 53+34	150	I		6" 21-B	2" SM-3A	13'	15'	15'-6"	50'
HALEY LANE STA. 35+00 TO STA. 44+77	100	I		6" 21-B	2" SM-3A	13'	15'	15'6"	50'
TAKACH ROAD STA. 55+75 TO STA. 64+00	208	I		6" 21-B	2" SM-2A	17'	19'	19'-6"	50'



DRAWN BY

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