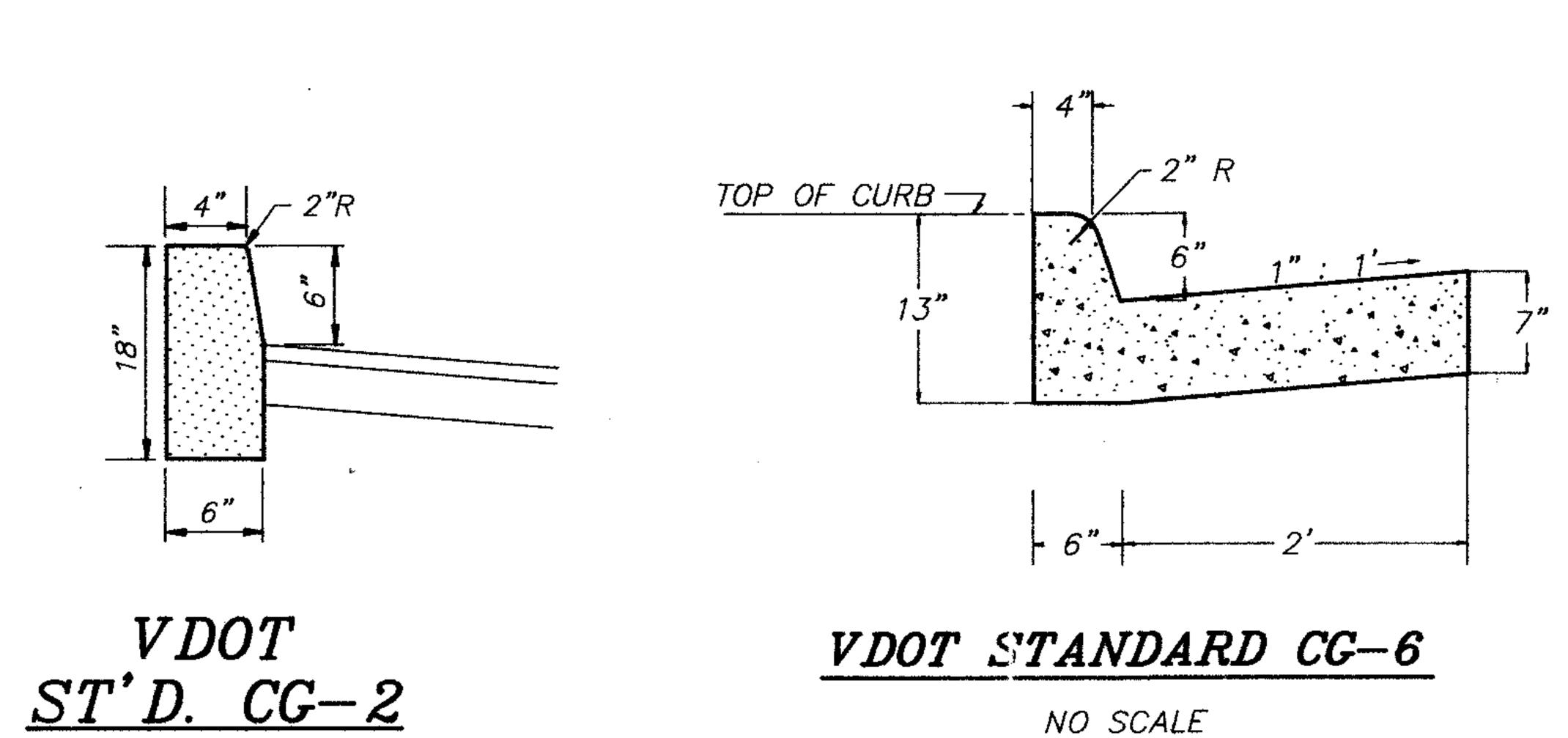
LEGEND OWNER AND DEVELOPER: VYSHAMIN, INC. C/O PRAMOD AMIN 4911 OAKLAWN BLVD. ROADS' HOPEWELL, VA. 23860 PHONE: (804) 452-1500 PETERSBURG-B-2C, PRINCE GEORGE B-1 3. TAX MAP NUMBER: PRINCE GEORGE TAX MAP # 34-(A)-7 PETERSBURG TAX PARCEL NO. 61-2-1 CURB & GUTTER SEWER AND WATER NOTES PROPOSED PAVEMENT . ALL MATERIALS FOR SEWER AND WATER SYSTEMS SHOWN SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE DEPTH OF PAVED DITCH . MINIMUM CLEAR COVER FOR ALL WATER PIPE SHALL BE 3.5 FEET. JUTE MESH OR SODDED DITCH 4. THE UTILITY CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY HIGHWAY PERMITS AND SEND A COPY TO THE COUNTY PRIOR TO START OF CONSTRUCTION. WATER AND SEWER ALIGNMENT HAVE NOT BEEN TESTED FOR THE PRESENCE OF ROCK. ------6. SEWER PIPE SHALL BE PVC. ALL SEWER JOINTS SHALL BE CLASS A. BEDDING SHALL BE CLASS B MINIMUM; DRIVEWAY CULVERT AND SIZE BEDDING SHALL BE AS SHOWN IN DETAIL ON SHEET 1 OF 4. BENCH MARK SEWER GRADES ARE BASED ON U.S.C. AND G. S. DATUM. 8. CONTRACTOR SHALL INSTALL 6" SEWER SERVICE CONNECTIONS TO R/W LINE OR EDGE OF EASEMENT MM VDOT STANDARD STOP SIGN 9. ALL WATER SERVICES ARE TO BE COPPER, TYPE K, DRAWN TUBING. 10. THE CONTRACTOR WILL INSTALL ALL WATER CONNECTIONS AND METER BOXES. EXISTING CONTOUR 11. THE EXACT MANHOLE TOP SHALL BE ON THE SAME GRADE AS THE FINISHED ROAD GRADE AND AS NOTED ON SEWER CUT SHEETS. PROPOSED CONTOUR PROPOSED SPOT ELEVATION SEWER ACCEPTABLE TO THE ROAD ENGINEER, IF THE MATERIAL IS TAKEN FROM THE DITCH IS NOT SUITABLE FOR BACKFILLING IT SHALL BE REMOVED AND ACCEPTABLE MATERIAL USED FOR BACKFILLING THE TRENCH. 13. FOR SEWER INSTALLATION WITHIN EXISTING VDOT R/W; UTILITY CONTRACTORS MUST NOTIFY VDOT WHEN PROPOSED SANITARY SEWER INSTALLATION BEGINS SO THAT DENSITY CAN BE TESTED (95% OPTIMUM MOISTURE +20%). 14. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHOWN ON THE PLANS IN 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). 15. 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. WATER 16. ALL MANHOLES IN UTILITY EASEMENTS ARE TO HAVE THE CONCRETE SECTION EXTENDED ONE FOOT ABOVE THE GROUND. 7. USE OF HEIGHT ADJUSTMENT RINGS WILL NOT BE ALLOWED EXCEPT UNDER PAVED SURFACES WHERE A MAXIMUM OF EXISTING WATER LINE PROPOSED WATER LINE 18. A SMOOTH TRANSITION OF DROP MANHOLE MUST BE PROVIDED FOR EACH LATERAL OR SANITARY SEWER ENTERING A SANITARY MANHOLE. SINGLE SERVICE CONNECTION EROSION CONTROL NOTES EROSION CONTROL ALL DISTURBED AREAS TO BE SEEDED WITHIN 15 DAYS AFTER ROUGH GRADING IS COMPLETED. . ALL STREETS WILL BE STABLILIZED WITH BASE STONE WITHIN 30 DAYS AFTER FINAL GRADING. FOR THE PRINCE GEORGE ENGINEERING OFFICE WILL BE NOTIFIED 24 HOURS IN ADVANCE OF ANY PLANS TO BEGIN CLEARING AND GRADING OPERATIONS. IS RESPONSIBLE FOR CONTACTING THE ZONING ADMINISTRATOR OF THE CITY OF PETERSBURG TO OBTAIN A LAND DISTURBANCE PERMIT PRIOR TO THE START OF CONSTRUCTION. 6. ALL EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE TO BE CONSTRUCTED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH THE CURRENT EDITION OF <u>THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.</u> GENERAL NOTES * VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK SPEC. NO. JANUARY 1, 1989 EDITION OF ROAD AND BRIDGE SPECIFICATIONS AND JANUARY 1, 1989 EDITION OF THE ROAD DESIGNS AND STANDARDS OF THE VIRGINIA DEPARTMENT OF HIGHWAYS SHALL GOVERN THE FOLLOWING: POURING, CURING, FORMS, WORKMANSHIP, ETC. OF ALL CONCRETE USED ON THIS PROJECT. 3. STABILIZED BASE COURSE MATERIAL. MATERIALS AND INSTALLATION OF ALL PIPE CULVERTS. VDOT AND COUNTY APPROVAL OF ROAD PLANS DOES NOT PRECLUDE THE RIGHT TO ADDITIONAL FACILITIES SUCH AS SEEDING, PAVING, SILT DAMS, ECT. AS MAY BE DEEMED NECESSARY BY EITHER AUTHORITY PRIOR TO THE ACCEPTANCE OF SUCH ROADS IN ORDER TO LIMIT SILTATION AND POLLUTION OF NEARBY LAKES, PONDS, STREAMS AND ADJACENT PROPERTY. THE VDOT APPROVAL OF THESE PLANS WILL EXPIRE THREE (3) YEARS FROM DATE OF APPROVAL. CONTROL STAKING MENTIONED ABOVE AND VERIFY BEFORE CONSTRUCTION. . 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. 6. CLEARING AND GRUBBING SHALL BE COMPLETE WITHIN THE RIGHT OF WAYS AS INDICATED ON LAYOUT PLAN. ALL DRAINAGE EASEMENTS TO BE CLEARED, GRUBBED, AND GRADED TO CONTAIN WATER FROM PIPE CULVERTS AND TO EXTEND TO A NATURAL WATERCOURSE. 8. EXCESS EXCAVATION TO BE DISPOSED OF AS DIRECTED BY THE ENGINEER. 9. ALL FILLETS AT INTERSECTIONS TO HAVE 35' RADII UNLESS OTHERWISE NOTED. 10. GRADE LINES ON PROFILES DENOTE FINISHED GRADE OF CENTER LINE OF ROAD. . BASE MUST BE APPROVED BY VDOT FOR DEPTH, TEMPLATE, AND COMPACTION BEFORE SURFACE TREATMENT IS APPLIED. '2. PERMIT TO TIE INTO EXISTING ROADS, SHALL BE OBTAINED FROM RESIDENT ENGINEER OR DIRECTOR OF PUBLIC WORKS (FOR ACCESS ROAD) PRIOR TO ROAD CONSTRUCTION. 13. 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). 14. ALL UTILITIES TO BE IN PLACE PRIOR TO LAYING BASE MATERIAL. 15. STAKING SHALL BE DONE BY A CERTIFIED LAND SURVEYOR. DO NOT STAKE FROM THESE PLANS.

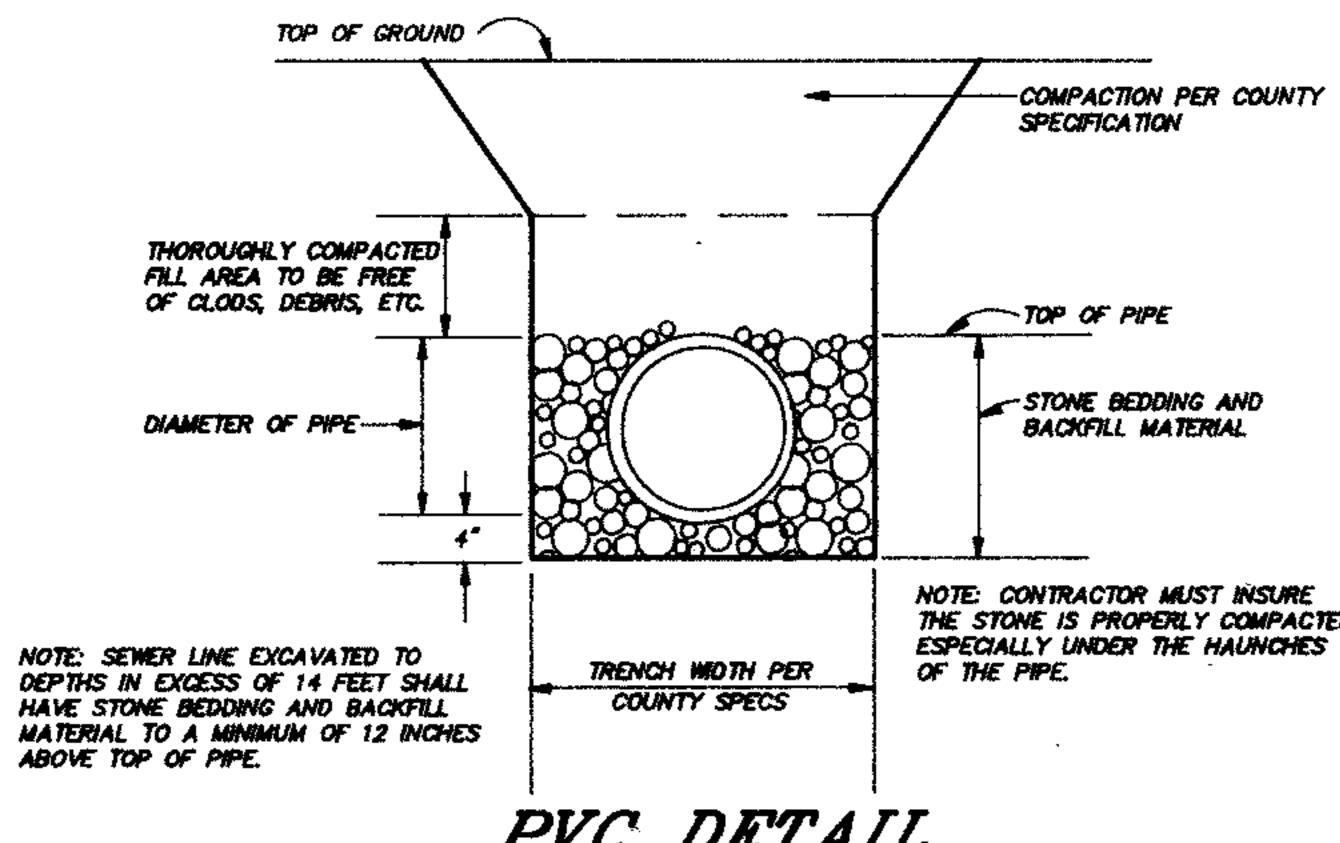
16. CONTRACTOR SHALL ACQUIRE ANY AND ALL NECESSARY CONSTRUCTION PERMITS.

APPROXIMATE MATERIAL QUANTITIES

ROADS		SEWER		DRAINAGE		EROSION CONTROL	
ASPHALT (SM-2A)	333 7NS	8" S/L	975 LF	12" ADS N-12 PLASTIC PIPE	168 LF	CONSTRUCTION ENTRANCE	1 EA
ASPHALT (BM-2)	667 INS	6" SERVICE	32 LF	15" CONCRETE PIPE	234 LF	SILT FENCE	200 LF
BASE (6"-218)	1273 TNS	8"x6" TEE	3 EA	PAVED DITCH	150 LF	CHECK DAM	2 EA
CG-6	10 9 4 LF	6" PLUG	4 EA	DI-3B, L=4'	I EA		
CG-2	951 LF	SERVICE OUT OF M.H.	1 EA	DI-3C, L=12'	I EA		
		48" MANHOLE	39 VF	DI-3C, L=14'	I EA		
		STD. FRAME & COVER	3 EA	24" CONCRETE PIPE	4 LF		
		BRICKED UP OPENING	1 EA				

QUANTITIES AS SHOWN ARE APPROXIMATE ONLY. CONTRACTORS SHOULD MAKE THEIR OWN TAKEOFFS.





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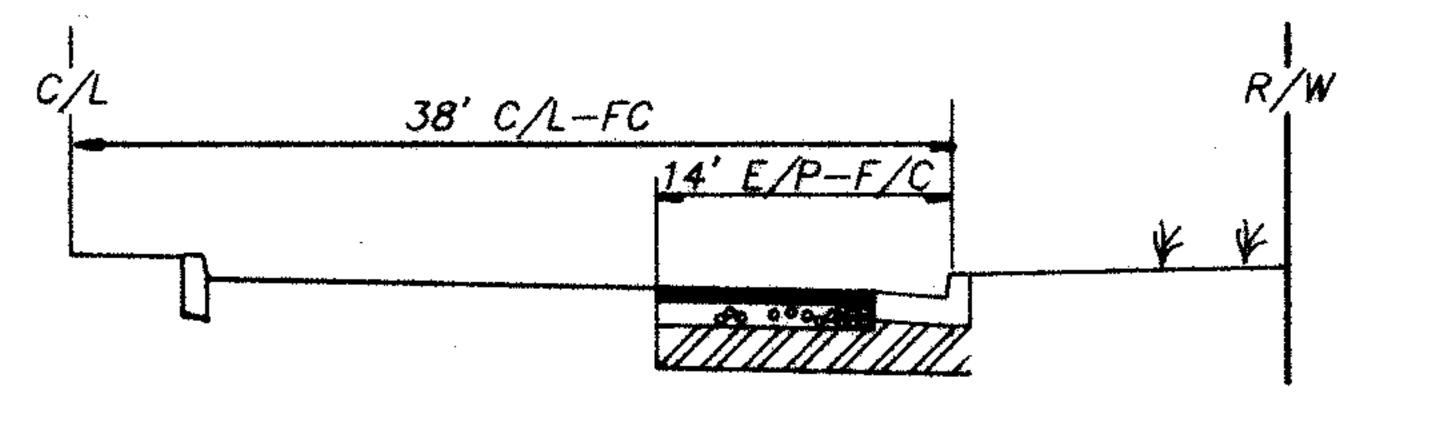
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PVC DETAIL

SANITARY SEWER BEDDING AND BACKFILL

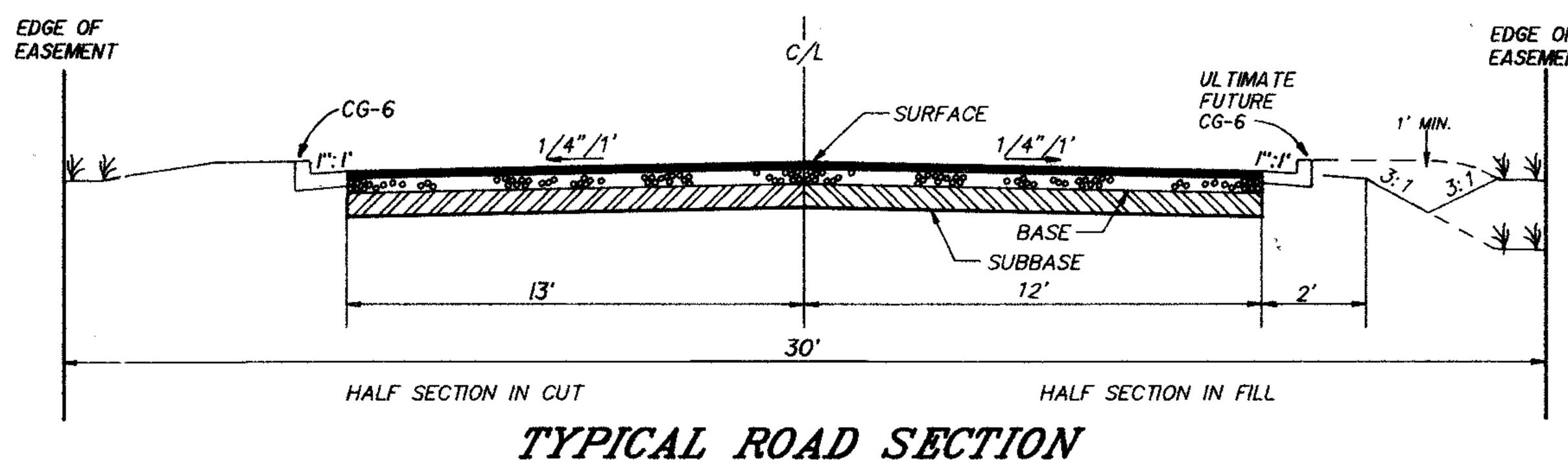
DETAIL FOR PLASTIC PIPE

NO SCALE



TYPICAL ROAD SECTION COURTHOUSE ROAD

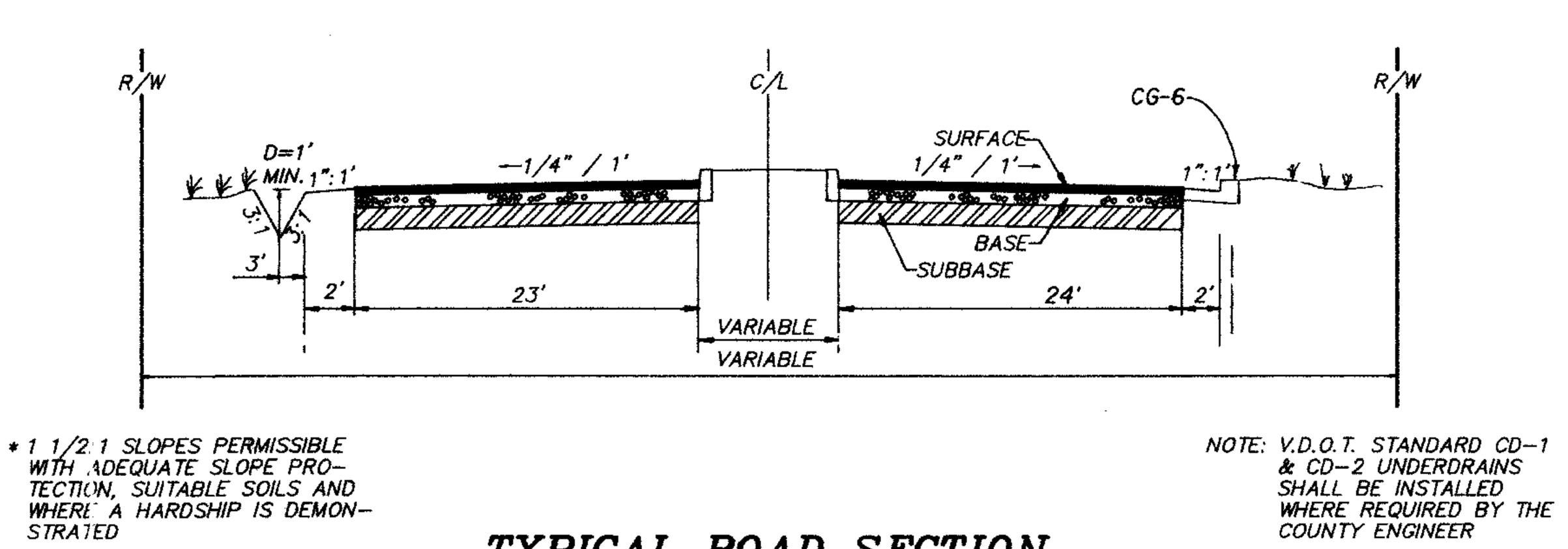
SURFACE - 1 1/2" SM-3A BASE - 4" BM-2 SUBBASE - 8" 21-A



TYPICAL ROAD SECTION

ACCESS ROAD

NO SCALE



TYPICAL ROAD SECTION
WAGNER WAY

ROAD STA. TO STA.	VPD	CATEGORY	PAVEMENT DESIGN 1) 2)						
			SUBBASE	BASE	SURFACE	PVM'T. WIDTH	SHOULDER	<th>R/W WIDTH</th>	R/W WIDTH
AGNER WAY TA. 5+70 TO STA. 10+40	18,852	Y	8" 21-B	4" BM-2	1-1/2" SM-3A	23'	2'	28'	VARIABLE
CCESS ROAD TA. 0+00 TO STA, 3+75	4,723	Y	6" 21-B	3" BM-2	1-1/2" SM-3A	12'	2'	17'	30' ACCESS EASEMENT