STORM SEWER SCHEDULE:

1. STD. DI-3C, H=4.16, L=6', TOP=131.83, TYPE B NOSE
2. 76.14 LF OF 15" CLASS III CONCRETE PIPE @ 0.55% INV. IN=127.67 INV. OUT=127.25
3. STD. DI-3C, H=4.68, L=6', TOP=131.83, TYPE B NOSE
4. 128.03 LF OF 15" CLASS III CONCRETE PIPE @ 1.24% INV. IN=127.15 INV. OUT=125.56
5. STD. DI-3C, H=2.15, L=6', TOP=138.15, TYPE B NOSE
6. 130.00 LF OF 15" CLASS III CONCRETE PIPE @ 0.50% INV. IN=136.00 INV. OUT=135.35
7. STD. DI-3B, H=3.00, L=12', TOP=131.49, TYPE A NOSE
8. 69.39 LF OF 15" CLASS III CONCRETE PIPE @ 2.49% INV. IN=126.83 INV. OUT=125.10
9. STD. DI-3B, H=4.80, L=12', TOP=129.80, TYPE A NOSE
10. 153.32 LF OF 24" CLASS III CONCRETE PIPE @ 0.93% INV. IN=125.00 INV. OUT=123.58
11. MH-2, H=4.52, TOP=128.00

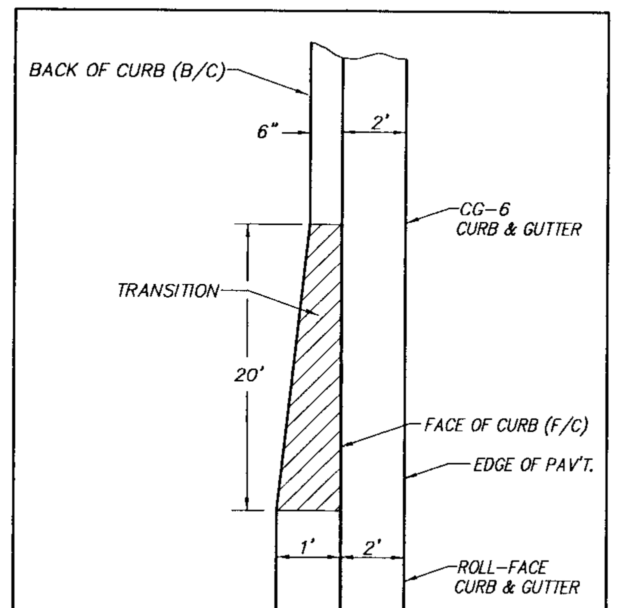
11A. 8.00 LF OF 36" CLASS III CONCRETE PIPE @ 0.50% INV. IN=123.62 INV. OUT=123.58 COVER END OF PIPE W/ PLYWOOD

12. 293.50 LF OF 36" CLASS III CONCRETE PIPE @ 0.50% INV, IN=123.48 INV. OUT=122.00, W/ FLARED END SECTION (REFER TO DETAIL ON COVER SHT.)

NOTES:
1. PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
2. VDOT STD. ST-1 STEPS ARE REQUIRED FOR ALL STRUCTURES WITH A HEIGHT GREATER THAN OR EQUAL TO 4.0 FT.

SANITARY SEWER SCHEDULE

LINE	BEARING	DISTANCE
3 TO 2	S 42°10'25" W	255.70'
2 TO 1	S 66°19'24" W	291.65'
4 TO 1	N 78°24'46" E	248.83'
1 TO EX1	S 13°15'50" E	197.79'



NOTES:
1. TRANSITIONS ARE TO BE FROM BACK OF CURB ONLY AND 20' IN LENGTH UNLESS OTHERWISE NOTED ON PLAN.
2. TRANSITION LOCATIONS:
   A. BOTH SIDES OF ALL SAG INLETS.
   B. FIRST TANGENT EACH SIDE OF CUL-DE-SAC BULB HAVING A SAG INLET

CURB TRANSITION (FROM ROLL-FACE CURB TO CG-6)
NO SCALE

ROAD CENTERLINE DATA

LINE TABLE

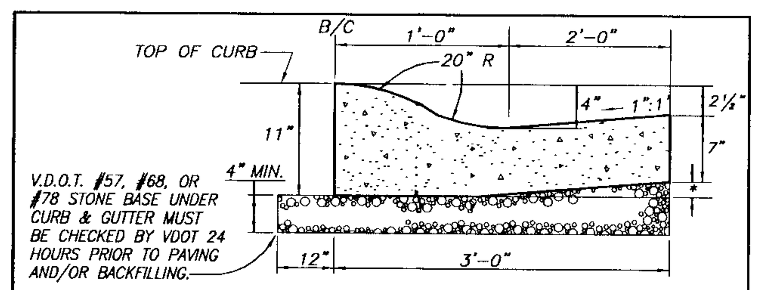
LINE	LENGTH	BEARING
L1	301.12	S76°22'52"W
L2	165.92	N41°20'38"E
L3	278.11	S13°15'13"E

*NOTE: L1 STARTS AT STA. 0+50.00 L2 ENDS AT STA 8+22.80

CURVE TABLE

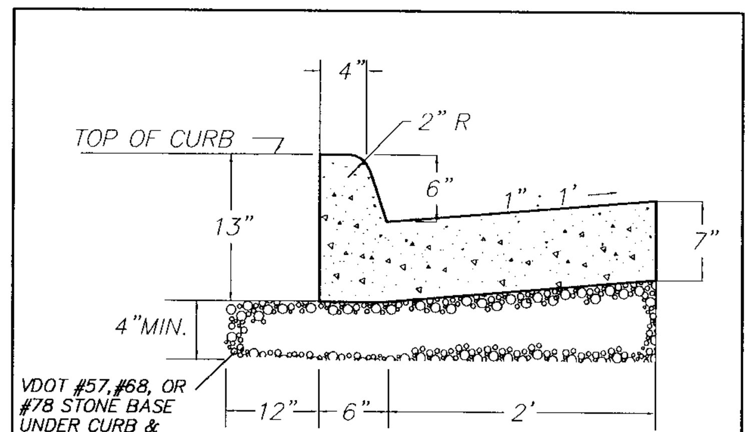
CURVE	LENGTH	RADIUS
C1	305.76	500.00

NOTE: A "W" AND "S" SHALL BE STAMPED ON THE CURB WHILE THE CONCRETE IS STILL WET. THESE MARKS SHALL INDICATE THE ACTUAL LOCATION OF THE WATER AND SEWER CONNECTIONS FOR EACH LOT.



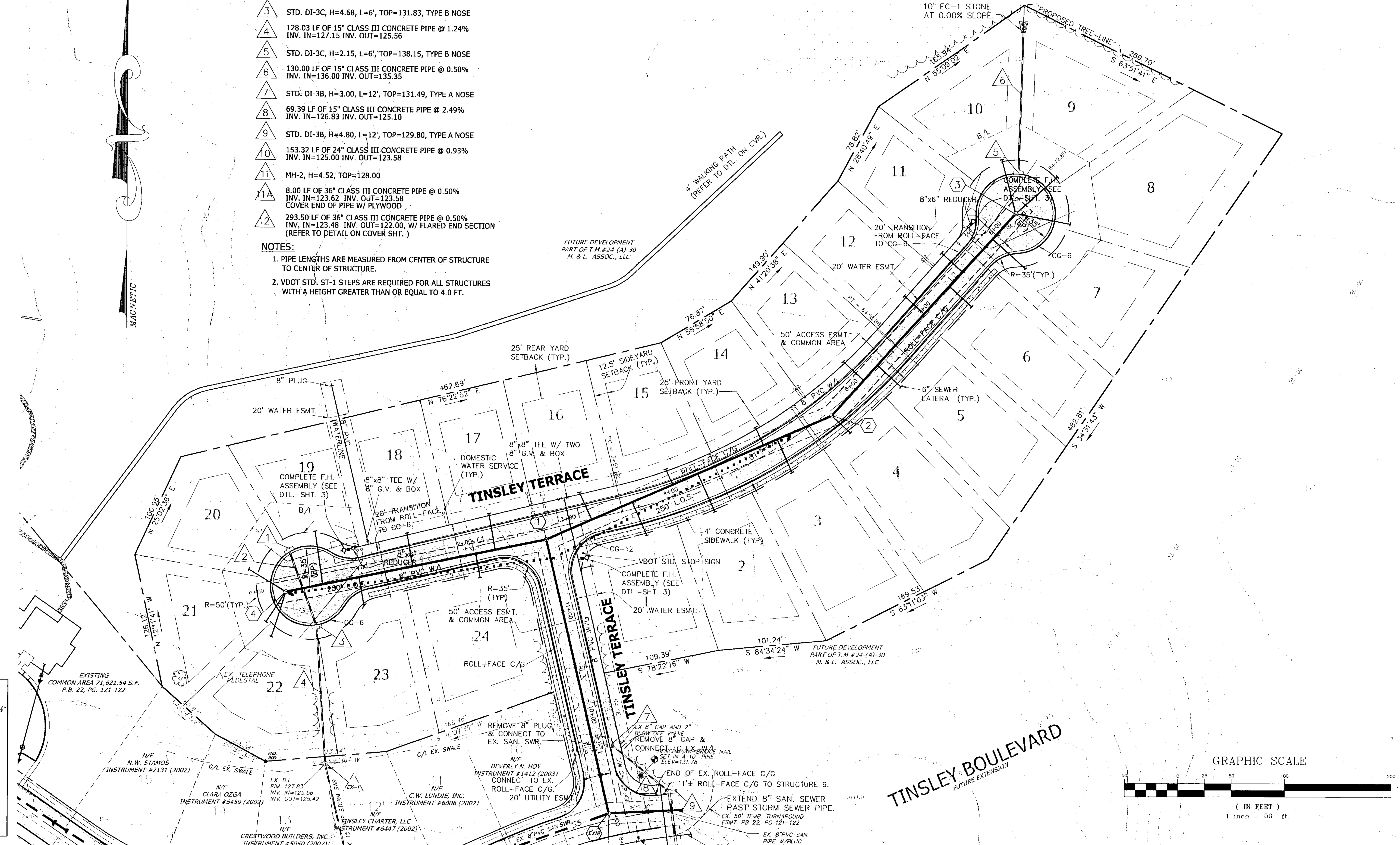
* THE BOTTOM OF THE CURB & GUTTER MAY BE CONSTRUCTED PARALLEL TO THE SLOPE OF SUBSURFACE COURSES PROVIDED A MINIMUM DEPTH OF 7" IS MAINTAINED.

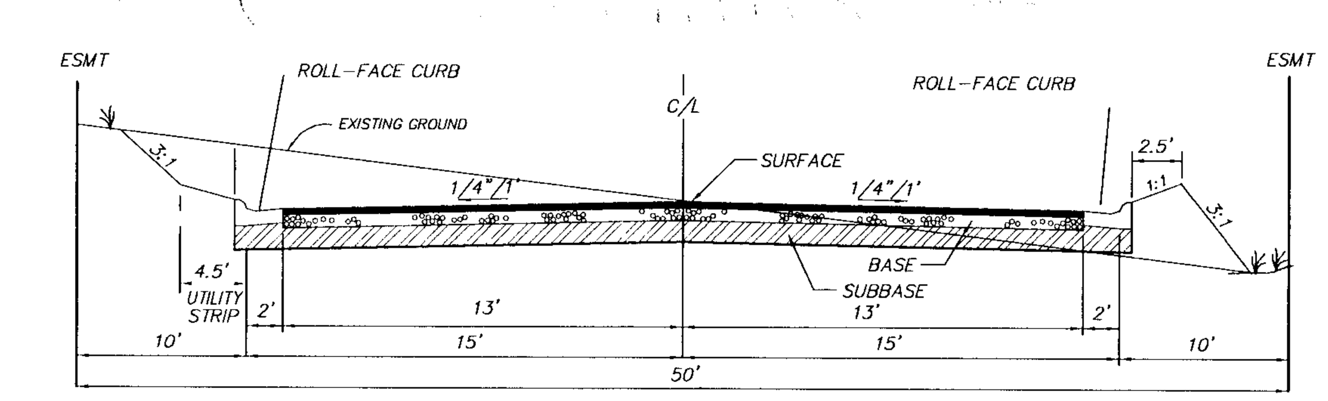
3'0" ROLL-FACE CURB & GUTTER
NO SCALE



STANDARD CG-6
NO SCALE

NOTE: WATER METERS ARE TO BE LOCATED AT THE EDGE OF THE WATER EASEMENT. THE HOMEOWNERS ASSOCIATION IS RESPONSIBLE FOR THE LINE CROSSING THE STREET. ALL METERS ARE TO BE LOCATED ON THE SAME SIDE OF THE STREET.





TINSLEY TERRACE TYPICAL SECTION
NO SCALE

ROAD CLASSIFICATIONS

ROAD STA. TO STA.	VPD	CATEGORY	PAVEMENT DESIGN (1) (2) SUBBASE	BASE	SURFACE	"A" PVM'T. WIDTH (C/L – E/P)	"B" C/L – F/C	C/L – B/C	"C" ESMT. WIDTH
TINSLEY TERRACE STA 0+15.00 TO STA 8+57.80	160	I	6" 21-B		2" SM-2A	13'	15'	16'(RL.-FACE)	50'
TINSLEY TERRACE STA 9+50 TO STA 11+50	240	I	6" 21-B		2" SM-2A	13'	15'	16'(RL.-FACE)	50'
TINSLEY BOULEVARD STA 16+23.64 TO STA 17+14.69	790	IV	9" 21-B	2.5" BM-25	1-1/2" SM-2A	13'	15'	15.5' (CG-6)	50'

(1) MINIMUM PAVEMENT DESIGN IS BASED ON A MINIMUM CBR VALUE OF 10. PAVEMENT DESIGN MAY BE REVISED DUE TO SOIL CONDITIONS AT TIME OF CONSTRUCTION.
(2) A TACK COAT SHALL BE APPLIED BETWEEN THE AGGREGATE BASE AND ASPHALT COURSES IN ACCORDANCE WITH V.D.O.T. STANDARDS.

COMMONWEALTH OF VIRGINIA
STEVEN M. WORTHINGTON
032863
8/5/2003
PROFESSIONAL ENGINEER

YOUR VISION ACHIEVED THROUGH OURS.

VIRGINIA | NORTH CAROLINA | WEST VIRGINIA

THIS DRAWING PREPARED AT THE PRINCE GEORGE OFFICE
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Site Development | Residential | Infrastructure | Technology

DATE	REVISION DESCRIPTION
7/07/03	REVISED PER COUNTY COMMENTS
8/07/03	REVISED PER COUNTY COMMENTS
9/05/03	REVISED PER COUNTY COMMENTS

TIMMONS GROUP

TINSLEY CHARTER SECTION 2

SUBDIVISION LAYOUT AND UTILITY PLAN

DATE	2/24/03
DRAWN BY	JMD
DESIGNED BY	SMW
CHECKED BY	SMW
SCALE	1"=50'
JOB NO.	20822
SHEET NO.	2