

T.B.M.  
P.K. NAIL IN PAVEMENT ALONG  
THE WEST LINE OF MAIN STREET  
AT THE INTERSECTION OF MAIN ST.  
AND RTE. 15 ELEV. = 250.30

GUARDRAIL SHALL BE  
REMOVED AFTER LOW  
AREA HAS BEEN FILLED.

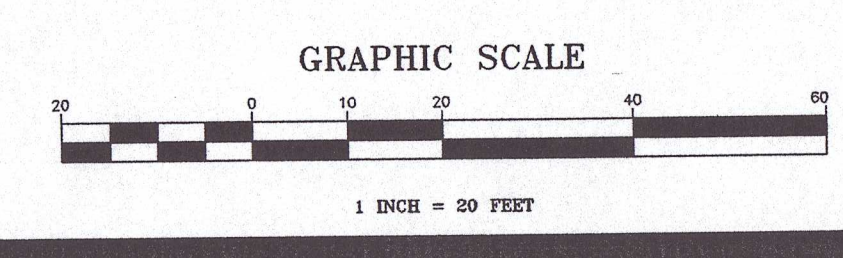
**DEMOLITION LEGEND**

- REMOVE PIPE
- REMOVE POWER POLE
- REMOVE STRUCTURE
- REMOVE TREE
- REMOVE ASPHALT/GRAVEL

**DEMOLITION NOTES:**

1. OWNER TO REMOVE ABOVE GROUND STRUCTURES.  
REMOVE FOUNDATIONS, ASSOCIATED UTILITIES,  
DRAIN FIELDS, SEPTIC TANK, AND UNDERGROUND  
FUEL TANK.

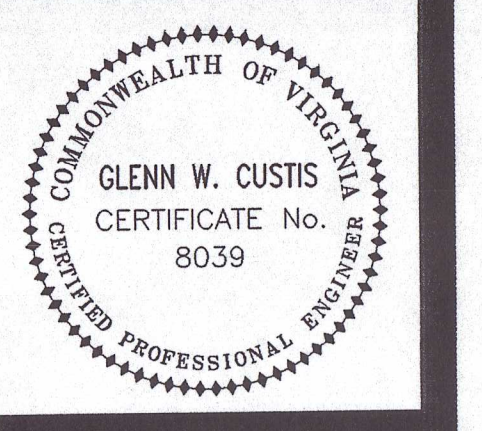
T.B.M.  
HUB & TACK ALONG EAST SIDE  
OF RTE. 15 ACROSS FROM FIRE  
STATION ELEV. = 267.63



**Draper Aden Associates**  
Blacksburg • Richmond, Virginia  
Engineering • Surveying • Environmental Services

ARCHITECTURE  
ENGINEERING  
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**MOSELEY  
&  
HARRIS  
McCLINTOCK**



FLUVANNA COUNTY  
COURTHOUSE  
FLUVANNA COUNTY,  
VIRGINIA

COMMISSION NO.:  
DATE: 1998  
REVISED: OCTOBER 6, 1999  
DRAWN BY:  
CHECKED BY:  
DATE:

DEMOLITION PLAN

C3

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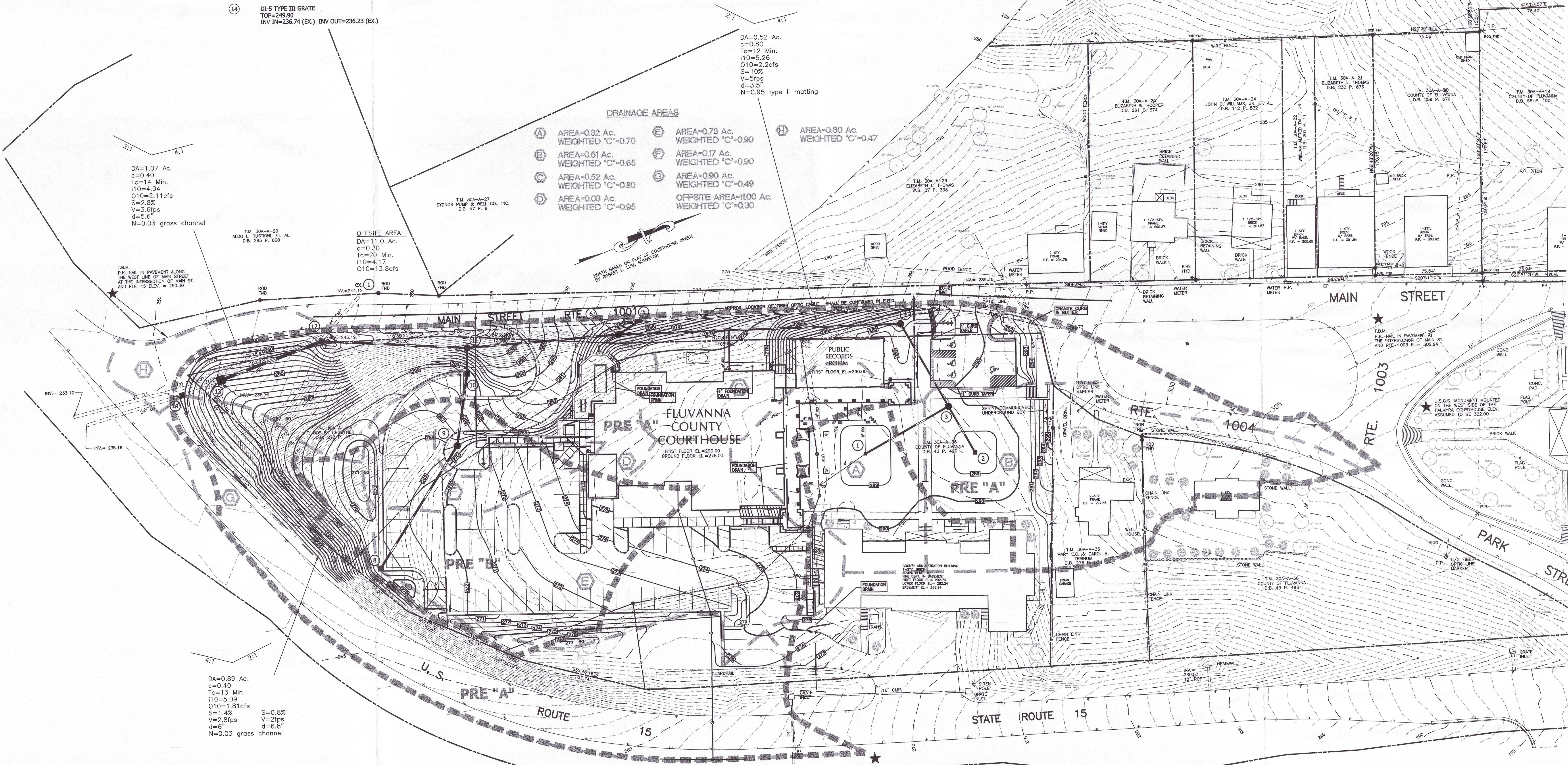


**STORM SEWER SCHEDULE:**

- ① CATCH BASIN W/NEENAH R-2525-F FRAME & GRATE (REFER TO DETAIL ON SHEET C-8)  
TOP=288.60 INV OUT=286.25
- ② CATCH BASIN W/NEENAH R-2525-F FRAME & GRATE  
TOP=288.60 INV OUT=286.25
- ③ MH-1  
TOP=288.05  
INV IN=284.93(1) INV IN=284.93(2) INV. OUT=284.83
- ④ MH-1  
TOP=288.00 (FLUSH W/FINISHED GRADE)  
INV IN=280.35 INV OUT=280.25
- ⑤ DI-5 (WATCH FOR FIBER OPTIC LINE)  
TOP=265.50  
INV OUT=263.42
- ⑥ 16 LF - 15" CLASS III RCP @ 2.63% SLOPE
- ⑦ MH-1  
TOP=268.00  
INV IN=260.60(4) INV IN=263.00(5) INV OUT=260.50
- ⑧ TO ⑩
- ⑧ DI-3A  
TOP=268.00  
INV OUT=264.00
- ⑨ TO ⑨
- ⑨ 100 LF - 15" CLASS III RCP @ 1% SLOPE
- ⑩ TO ⑩
- ⑩ MH-1  
TOP=269.00 (FLUSH W/FINISHED GRADE)  
INV IN=263.44(7) INV IN=263.00(8) INV OUT=261.00
- ⑪ TO ⑪
- ⑪ DI-3A  
TOP=266.75  
INV IN=253.44 INV OUT=251.32
- ⑫ TO ⑫
- ⑫ 18 LF - 15" CLASS III RCP @ 10% SLOPE
- ⑬ TO ⑬
- ⑬ MH-1  
TOP=258.20  
INV IN=249.52(6) INV IN=249.52(10) INV OUT=249.42
- ⑭ TO ⑭
- ⑭ 104 LF - 15" CLASS III RCP @ 6.2% SLOPE
- ⑮ TO ⑮
- ⑮ JB-1 W/HEADWALL (REFER TO DETAIL ON SHEET C-8)  
TOP=247.50  
INV IN=243.19(ex.1) INV IN=242.97 INV OUT=242.80
- ⑯ TO ⑯
- ⑯ 77 LF - 24" CLASS III RCP @ 7.87% SLOPE
- ⑰ TO ⑰
- ⑰ JB-1  
TOP=255.00  
INV IN=236.74 INV OUT=238.75(ex.) INV OUT=236.74(ex.)
- ⑱ TO ⑱
- ⑱ DI-5 TYPE III GRATE  
TOP=249.90  
INV IN=236.74 (EX.) INV OUT=236.23 (EX.)

**DRAINAGE AREAS**

A	AREA=0.32 Ac. WEIGHTED "C"=0.70	E	AREA=0.73 Ac. WEIGHTED "C"=0.90	H	AREA=0.60 Ac. WEIGHTED "C"=0.47
B	AREA=0.61 Ac. WEIGHTED "C"=0.65	F	AREA=0.17 Ac. WEIGHTED "C"=0.90		
C	AREA=0.52 Ac. WEIGHTED "C"=0.80	G	AREA=0.90 Ac. WEIGHTED "C"=0.49		
D	AREA=0.03 Ac. WEIGHTED "C"=0.95		OFFSITE AREA=11.00 Ac. WEIGHTED "C"=0.30		



DA=1.07 Ac.  
c=0.40  
Tc=14 Min.  
i10=4.94  
Q10=2.11cfs  
S=2.8%  
V=3.6fps  
d=5.6"  
N=0.03 grass channel

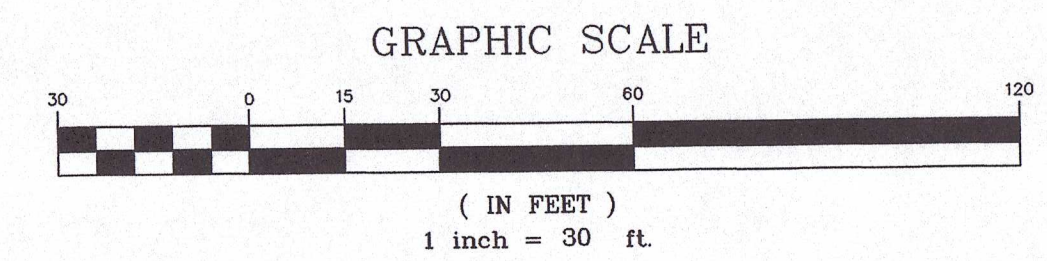
OFFSITE AREA  
DA=11.0 AC.  
c=0.30  
Tc=20 Min.  
i10=4.17  
Q10=13.8cfs

DA=0.89 Ac.  
c=0.40  
Tc=13 Min.  
i10=5.09  
Q10=1.81cfs  
S=1.4%  
V=2.8fps  
d=6.5"  
N=0.03 grass channel

DA=0.52 Ac.  
c=0.80  
Tc=12 Min.  
i10=5.26  
Q10=2.2cfs  
S=10%  
V=5fps  
d=3.5"  
N=0.95 type II matting

**DRAINAGE AREAS**

**NOTE:**  
ALL SPOT SHOTS ARE TO TOP OF CURB (TC) UNLESS OTHERWISE NOTED.



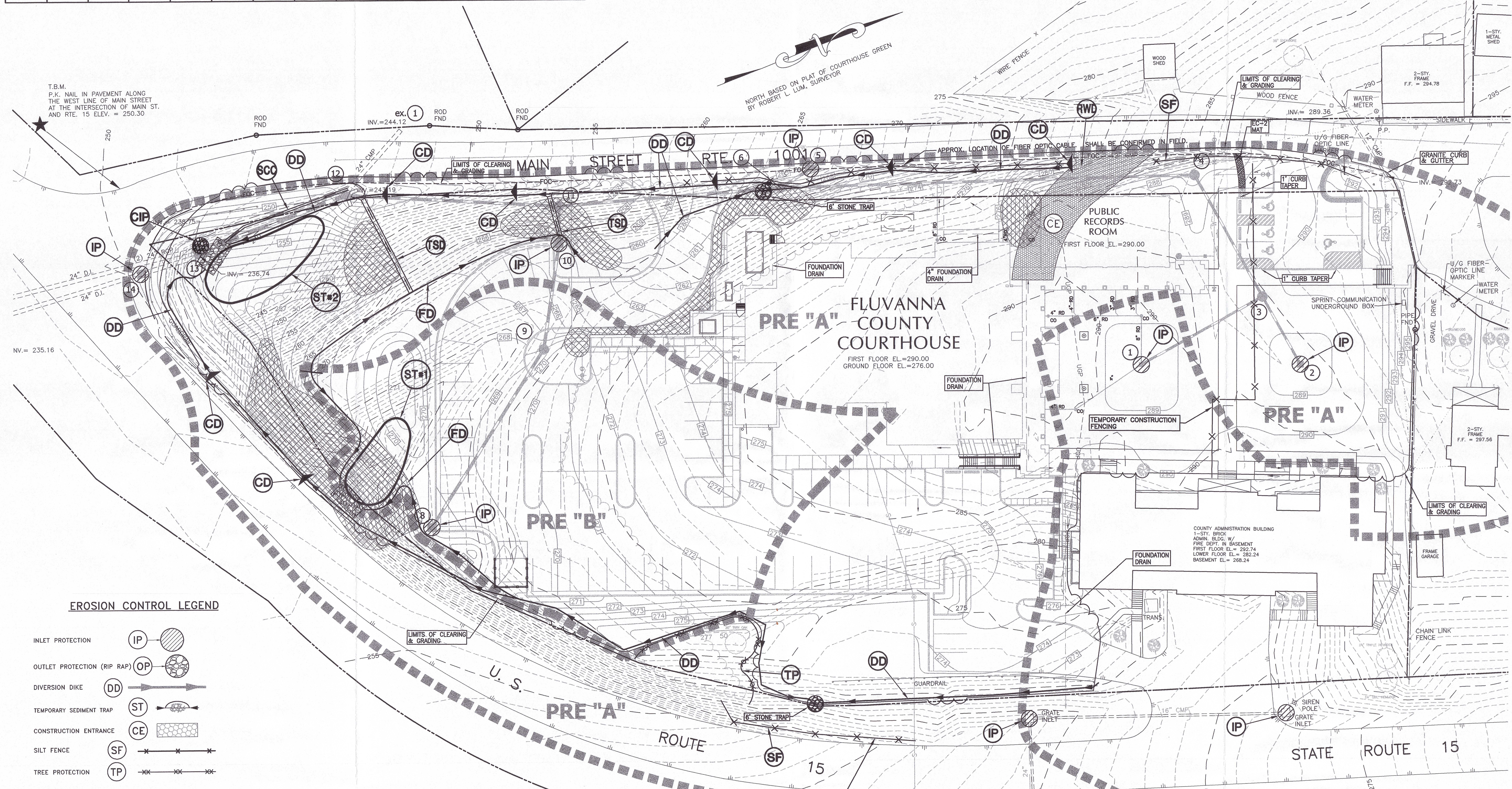
**PRE-DEVELOPMENT DRAINAGE AREA**  
**PRE "A"=2.88 AC.**  
**PRE "B"=0.64 AC.**  
**TOTAL = 3.52 AC.**

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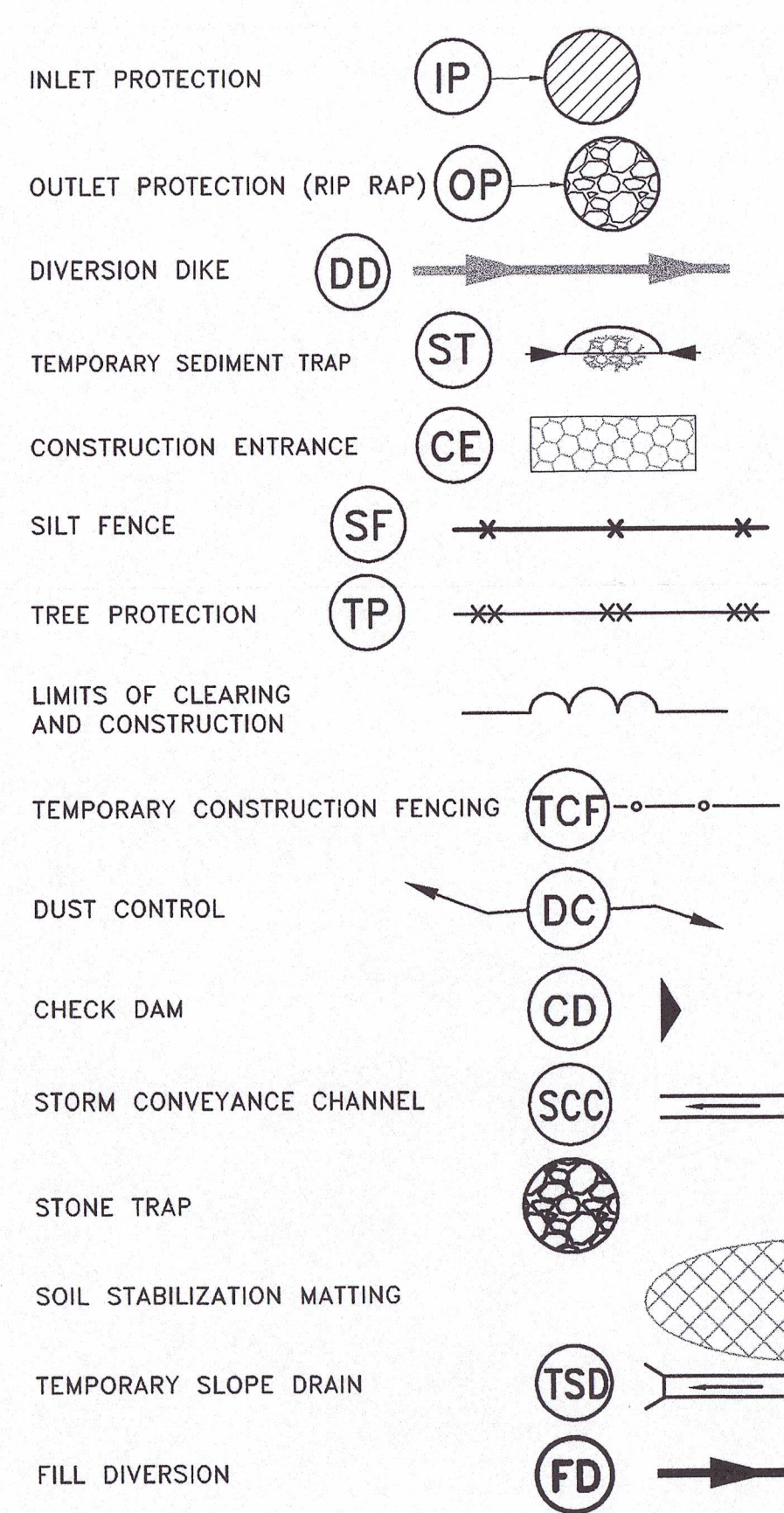
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SEDIMENT TRAP CALCULATIONS FLUVANNA COUNTY COURTS BUILDING										DAA JOB NO. 21133.04			
TRAP NO.	AREA (AC.)	WET VOLUME REQ'D. (V1)CY	PROP. WET SIZE (D x W x L)	PROP. WET VOLUME CY	BOTTOM ELEV.	LOWER ORIGINAL GROUND ELEV.	DRY VOLUME REQ'D. (V2)CY	PROP. DRY SIZE (D x W x L)	PROP. DRY VOLUME CY	UPPER ORIGINAL GROUND ELEV.	TOP OF DAM	WIDTH OF DAM (W)	LENGTH OF SPILLWAY (L)
1	"A" 2.88	193	3'x30'x60'	200	238.0	241.0	193	2'x32'x72'	195	243.0	244.0	2.5'	17.5'
2	"B" 0.64	43	3'x15'x27'	45	252.0	255.0	43	2'x20'x47'	55	257.0	258.0	2.5'	4'



**EROSION CONTROL LEGEND**



**STORM SEWER SCHEDULE:**

1	CATCH BASIN W/NEENAH R-2525-F FRAME & GRATE (REFER TO DETAIL ON SHEET C-8)	8	DI-3A TOP=268.00 INV IN=264.00 INV OUT=264.00
2	67 LF - 12" CLASS III RCP @ 1.97% SLOPE	9	MH-1 TOP=269.00 (FLUSH W/FINISHED GRADE) INV IN=263.44(7) INV IN=263.00(8) INV OUT=261.00
3	CATCH BASIN W/NEENAH R-2525-F FRAME & GRATE TOP=288.60 INV IN=286.25	10	DI-3A TOP=266.75 INV IN=253.44 INV OUT=251.32
4	38 LF - 12" CLASS III RCP @ 3.47% SLOPE	11	MH-1 TOP=258.20 INV IN=249.52(6) INV IN=249.52(10) INV OUT=249.42
5	MH-1 TOP=288.05 INV IN=284.93(1) INV IN=284.93(2) INV OUT=284.83	12	DI-3A TOP=267.50 INV IN=243.19(ex.1) INV IN=242.97 INV OUT=242.80
6	68 LF - 12" CLASS III RCP @ 6.59% SLOPE	13	MH-1 TOP=255.00 INV IN=236.74 INV OUT=236.74(ex.)
7	MH-1 TOP=288.00 (FLUSH W/FINISHED GRADE) INV IN=280.35 INV OUT=280.25	14	DI-5 TYPE III GRATE TOP=249.90 INV IN=236.74 (EX.) INV OUT=236.23 (EX.)
8	199 LF - 12" CLASS III RCP @ 9.87% SLOPE		
9	DI-5 (WATCH FOR FIBER OPTIC LINE) TOP=265.50 INV IN=263.42		
10	16 LF - 15" CLASS III RCP @ 2.63% SLOPE		
11	MH-1 TOP=260.50(4) INV IN=263.00(5) INV OUT=260.50		
12	108 LF - 15" CLASS III RCP @ 10.17% SLOPE		

**NOTES:**

- CONTRACTOR TO COORDINATE LOCATION OF CONSTRUCTION ENTRANCE WITH ENGINEER AND REPRESENTATIVE FROM THOMAS JEFFERSON SOIL AND WATER CONSERVATION DISTRICT.
- ALL REFERENCES ARE MADE TO THE STANDARDS AND SPECIFICATIONS OF THE 1992 VIRGINIA EROSION AND CONTROL HANDBOOK.

**A. TEMPORARY SEEDING SPECIFICATIONS:**  
 PRIOR TO SEEDING, INSTALL NECESSARY EROSION CONTROL PRACTICES SUCH AS DIKES, WATERWAYS AND BASINS.

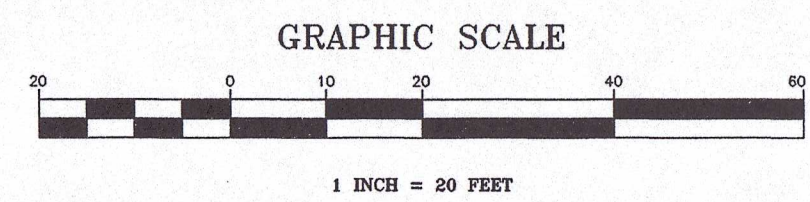
**PLANT SELECTION**  
 SELECT PLANTS APPROPRIATE TO THE SEASON AND SITE CONDITIONS FROM TABLES 3.31-B AND 3.31-C. NOTE THAT TABLE 3.31-B PRESENTS PLANTS WHICH CAN BE USED WITHOUT EXTENSIVE EVALUATION OF SITE CONDITIONS; TABLE 3.31-C PRESENTS MORE IN-DEPTH INFORMATION ON THE PLANT MATERIALS.

**SEEDBED PREPARATION**  
 TO CONTROL EROSION ON BARE SOIL SURFACES, PLANTS MUST BE ABLE TO GERMINATE AND GROW. SEEDBED PREPARATION IS ESSENTIAL.

**B. PERMANENT SEEDING SPECIFICATIONS:**

**SELECTION OF PLANT MATERIALS**

- SELECTION OF PLANT MATERIALS IS BASED ON CLIMATE, TOPOGRAPHY, SOILS, LAND USE, AND PLANTING SEASON. TO DETERMINE WHICH PLANT MATERIALS ARE BEST ADAPTED TO A SPECIFIC SITE, USE TABLES 3.32-A AND 3.32-B WHICH DESCRIBE PLANT CHARACTERISTICS AND LIST RECOMMENDED VARIETIES.
- APPROPRIATE SEEDING MIXTURES FOR VARIOUS SITE CONDITIONS IN VIRGINIA ARE GIVEN IN TABLES 3.32-C, 3.32-D AND 3.32-E. THESE MIXTURES ARE DESIGNED FOR GENERAL USE, AND ARE KNOWN TO PERFORM WELL ON THE SITES DESCRIBED. CHECK TABLES 3.32-A AND 3.32-B FOR RECOMMENDED VARIETIES.
- A MORE EXTENSIVE DESCRIPTION OF PLANT MATERIALS (GRASSES AND LEGUMES), THEIR USAGE AND PICTORIAL REPRESENTATION CAN BE FOUND IN APPENDIX 3.32-C.
- WHEN USING SOME VARIETIES OF TURFGRASSES, THE VIRGINIA CROP IMPROVEMENT ASSOCIATION (VCA) RECOMMENDED TURFGRASS MIXTURES MAY ALSO BE USED. CONSUMER PROTECTION PROGRAMS HAVE BEEN DEVISED TO IDENTIFY QUALITY SEED OF THE VARIETIES RECOMMENDED BY THE VIRGINIA COOPERATIVE EXTENSION SERVICE. THESE WILL BEAR A LABEL INDICATING THAT THEY ARE APPROVED BY THE ASSOCIATION. MIXTURES MAY BE DESIGNED FOR A SPECIFIC PHYSIOGRAPHIC REGION OR BASED ON INTENDED USE. SPECIAL CONSIDERATION IS GIVEN TO PLANT CHARACTERISTICS, PERFORMANCE, ETC.

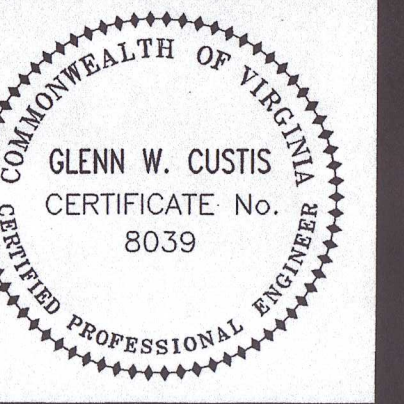


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 RICHMOND, VIRGINIA 23236  
 (804) 794-7353



FLUVANNA COUNTY  
 COURTHOUSE

FLUVANNA COUNTY,  
 VIRGINIA

COMMISSION NO.:  
 DATE: JULY 26, 1999  
 EXPIRES: OCTOBER 6, 1999  
 EXPIRES: OCTOBER 6, 1999  
 EXPIRES: OCTOBER 6, 1999

**EROSION CONTROL PLAN**

C11