APPROVED: FOR PUBLIC WATER, PUBLIC SEWAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER	12-24-75 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

DIRECTOR	12-24-75 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING	12/24/75 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWAGE, AND STORM DRAINAGE SYSTEMS AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

DIRECTOR	12-22-75 DATE
CHIEF, BUREAU OF HIGHWAYS	12/19/75 DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE	12/16/75 DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED HOWARD S.C.D.	12/16/75 DATE

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY." DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER	7/22/75 DATE

ENGINEER'S CERTIFICATE

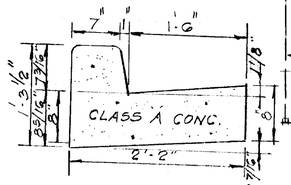
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER	DATE

SEDIMENT CONTROL NOTES

1.) THE H.S.C.D AND BUREAU OF LICENSE, INSPECTION AND PERMITS WILL BE GIVEN 24 HRS. NOTICE PRIOR TO ANY GRADING.
2.) ALL SEDIMENT CONTROL STRUCTURES SHOWN ON THIS PLAN, UNLESS OTHERWISE SPECIFIED, WILL BE INSTALLED AND STABILIZED IN ACCORDANCE WITH NOTE 9 PRIOR TO ANY GRADING OR EARTH DISTURBANCE ON SITE.
3.) AS SOON AS ROUGH GRADING IS COMPLETED, AREA TO BE PAVED WILL BE STABILIZED WITH BASE MATERIAL.
4.) ALL CUT AND FILL SLOPES WILL BE A MAXIMUM OF 3:1.
5.) FOLLOWING THE STABILIZATION OF ALL AREAS, UPGRADE THE AREA OF THE SEDIMENT CONTROL MEASURES MAY BE REMOVED AND GRADED TO THE FINAL GRADES PLANNED AND STABILIZE THE DISTURBED AREA.
6.) SEDIMENT CONTROL MEASURES WILL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM THE H.S.D.
7.) IN THE EVENT OF EXCESS OF MATERIAL, THE WASTE WILL BE STOCKPILED WITH A MAXIMUM 2:1 SLOPE ON AN AREA WHICH HAS BEEN SEEDED ON THE SITE. STOCKPILED MATERIAL WILL BE STABILIZED IN ACCORDANCE WITH NOTE #9.
8.) TEMPORARY STABILIZATION
APPLY: 2000 lbs./AC. OR 11.5 LBS/SQ.FT. OF PULVERIZED DOLOMITIC LIMESTONE.
600 lbs./AC. OR 14 LBS/1000 SQ.FT. OF 5-5-5 FERTILIZER.
PLANT 75 RYEGRASS 42 lbs/AC.
FERTILIZE WITH 5-10-10 AND MULCH W/STRAW @ 1½ TONS/AC.
9.) PERMANENT STABILIZATION
APPLY: 2000 lbs./AC. OF PULVERIZED DOLOMITIC LIMESTONE
1000 lbs./AC. OF 0-20-0 SUPER PHOSPHATE
1000 lbs./AC. OF 5-10-10 FERTILIZER
SEED: 85 lbs./AC. OF KENTUCKY 31 TALL FESCUE
40 lbs./AC. OF KENTUCKY BLUE GRASS
25 lbs./AC. OF ANNUAL RYE GRASS
NOTE: SEEDING MAY BE DONE BETWEEN MARCH 1 - MAY 1 OR AUGUST 1 - OCTOBER 1 ONLY.
MULCH: 2 TONS/AC. OF UNRETTERED WHEATSTRAW TIE MULCH DOWN WITH 480 GAL./AC. OF LIQUID ASPHALT.

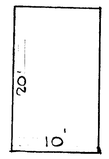
APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 11-24-75



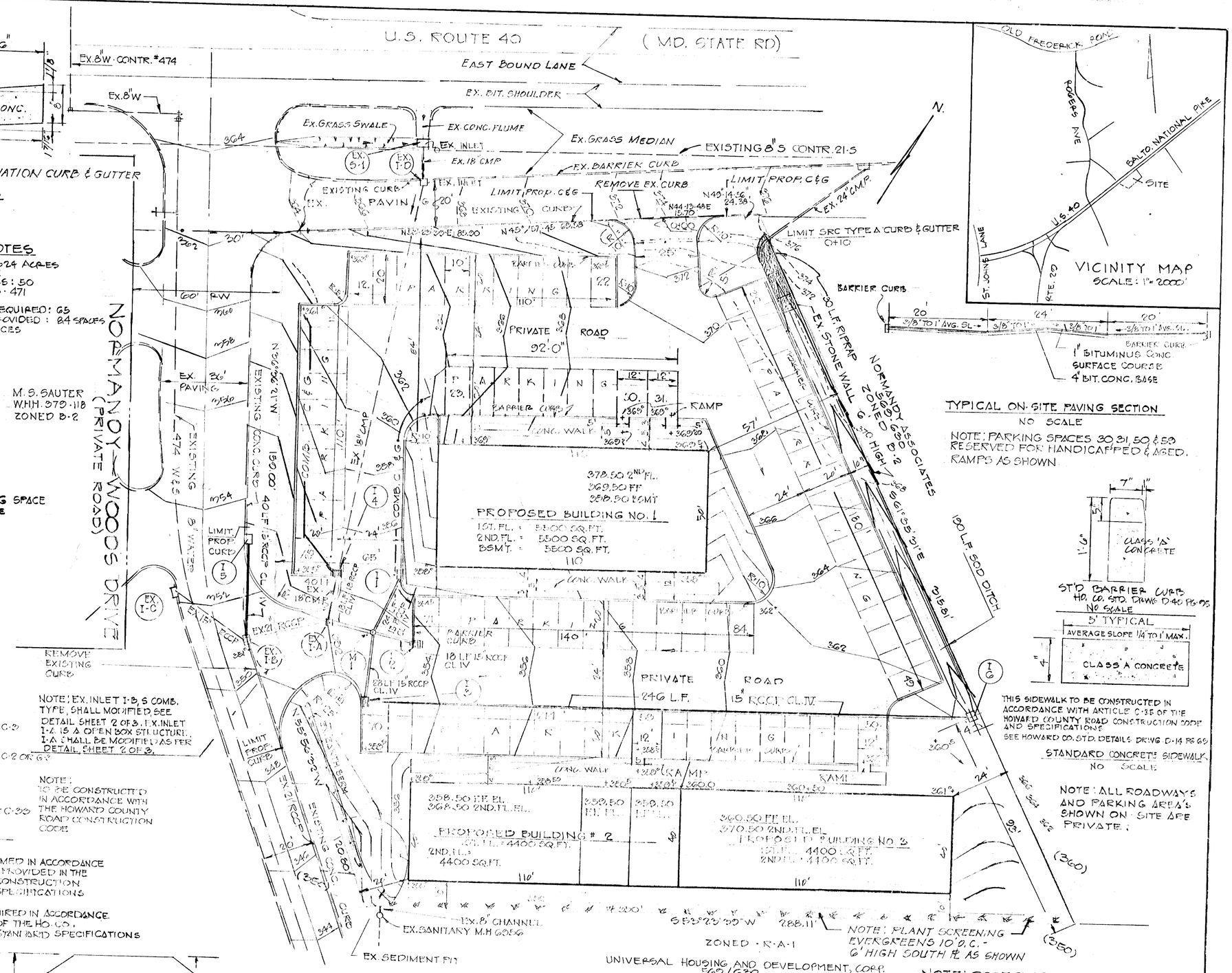
STD. 7" COMBINATION CURB & GUTTER
NO SCALE
SEE HO. CO. STD. DETAIL DRWG. D-40 PAGE 95

GENERAL NOTES

1. AREA OF PARCEL: 1.624 ACRES
2. PRESENT ZONING: B-2
3. TOTAL No. OF EMPLOYEES: 50
4. TITLE REFERENCE: 273-471
5. ROADS TO BE PRIVATE
6. PARKING TABULATION: REQUIRED: 65
   50 EMPLOYEES: 25 PROVIDED: 84 SPACES
   4000# RETAIL: 40 SPACES
7. TAX MAP: 18



TYPICAL PARKING SPACE
NO SCALE



VICINITY MAP
SCALE: 1" = 2000'

1" BITUMINUS CONC. SURFACE COURSE
4" BIT. CONC. BASE

TYPICAL ON-SITE PAVING SECTION
NO SCALE

NOTE: PARKING SPACES 30, 31, 50 & 59 RESERVED FOR HANDICAPPED & AGED. RAMPS AS SHOWN

ST'D BARRIER CURB
HO. CO. STD. DRWG. D-40 PG. 95
NO SCALE

THIS SIDEWALK TO BE CONSTRUCTED IN ACCORDANCE WITH ARTICLE C-35 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS
SEE HOWARD CO. STD. DETAILS DRWG. D-14 PG. 69

STANDARD CONCRETE SIDEWALK
NO SCALE

NOTE: ALL ROADWAYS AND PARKING AREA'S SHOWN ON SITE ARE PRIVATE.

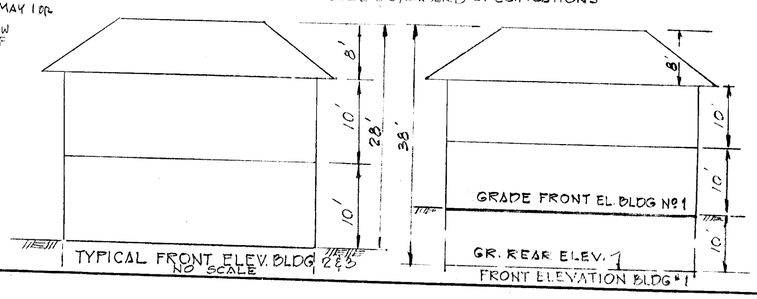
BITUMINUS CONCRETE SURFACE	1" AND C-9
BITUMINUS CONCRETE BASE	4" AND C-2 OR C-3

CLEARING AND GRADING	ARTICLE C-1
SUBGRADE	ARTICLE C-2
BASE COURSE	ARTICLE C-21 OR C-30
SURFACE	ARTICLE C-21

TYPICAL PAVING SECTION
NO SCALE

NOTE: BASE WILL BE PRIMED IN ACCORDANCE WITH SECTION C-30-2 AS PROVIDED IN THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS

NOTE: TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-31-4 OF THE HO. CO. CONSTRUCTION CODE & STANDARD SPECIFICATIONS



TYPICAL FRONT ELEV. BLDG 2 & 3
NO SCALE

FRONT ELEVATION BLDG #1

OWNER AND DEVELOPER
C. STUART KNUDSEN
3459 ST. JOHNS LANE
ELLICOTT CITY, MD. 21043 TELEPHONE 465-2222

ENGINEER
SNOVELL ASSOCIATES
4710 ROUNDHILL RD
ELLICOTT CITY MD 21043
TELEPHONE 465-1473

SITE PLAN
OFFICE BLDG. SITE
ROUTE 40 & NORMANDY WOODS DRIVE
2ND ELECTION DISTRICT
HOWARD COUNTY, MD.
SCALE: 1" = 20'
MAY 15, 1975

SHEET 1 OF 3

SDP-76-07

Terry Bromery
Fri Dec 4 2015 13:32:03

APPROVED: FOR PUBLIC WATER, PUBLIC SEWAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER — DATE 12-24-75

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

DIRECTOR — 12-24-75 DATE

CHIEF, DIV. OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING — 12/24/75 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWAGE AND STORM DRAINAGE SYSTEMS, AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

DIRECTOR — 12-22-75 DATE

CHIEF, BUREAU OF HIGHWAYS — 12/19/75 DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE — 12/16/75 DATE

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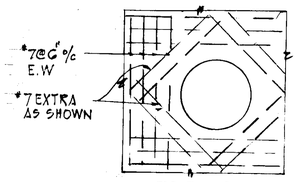
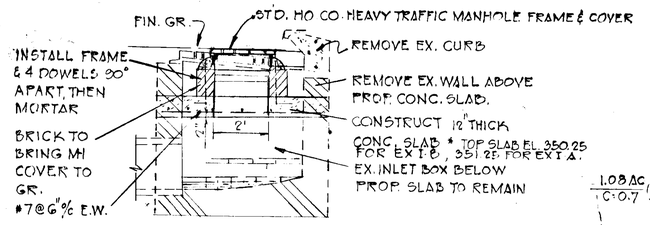
APPROVED: HOWARD S.C.D. — DATE 12/16/75



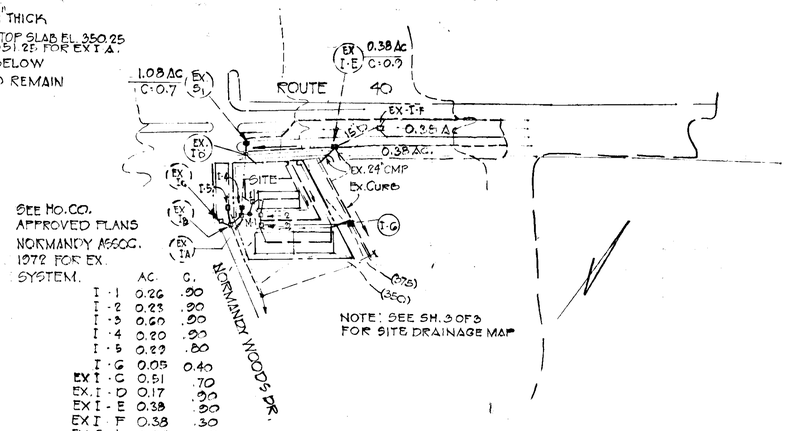
TOP SLAB



SECTION

METHOD OF MODIFYING EXIST. INLETS EX. I-A & EX I-B

NO SCALE



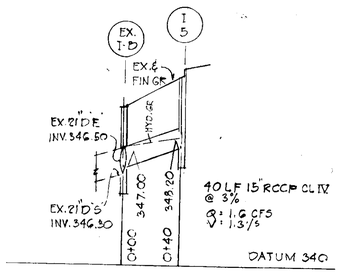
SEE HO. CO. APPROVED PLANS NORMANDY ASSOC. 1972 FOR EX. SYSTEM.

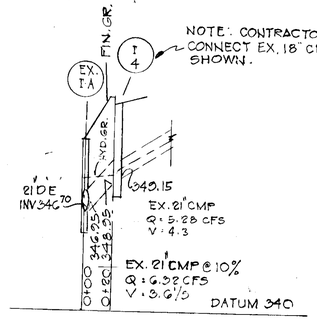
	AC.	C.
I-1	0.26	.90
I-2	0.23	.90
I-3	0.60	.90
I-4	0.20	.90
I-5	0.22	.80
I-6	0.05	0.40
EX I-C	0.51	.70
EX. I-D	0.17	.90
EX I-E	0.38	.90
EX I-F	0.38	.30
EX S-1	1.08	.70

NOTE: SEE SH. 3 OF 3 FOR SITE DRAINAGE MAP

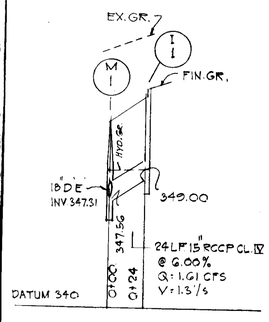
STRUCTURE SCHEDULE

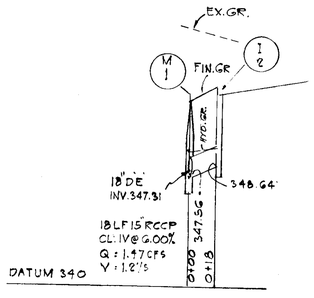
NO.	TYPE	TOP EL	INV IN	INV OUT	REMARKS
I-1	STD. CLASS S COMB. INLET	355.30	-	349.00	SEE HO. CO. STD DETAILS DRWG-D-98 PAGE 153
I-2	DLB. STD CLASS S INLET	353.50		348.64	SEE HO. CO. STD. DETAILS DRWG. D-98 PAGE 153
I-3	DLB. STD. CLASS S INLET	353.00	348.04	347.84	SEE HO. CO. STD. DETAILS. DRWG. D-98 PAGE 153
M-1	HO. CO. STD. MH	353.00	347.56	347.31	SEE HO. CO. STD DETAILS DRWG. D-102 PAGE 158
I-4	STD CLASS S COMB. INLET	354.50	349.15	348.95	SEE HO. CO. STD DETAILS DRWG. D-98 PAGE 153
I-5	STD. CLASS S COMB. INLET	352.20		348.20	SEE HO. CO. STD. DETAILS DRWG. D-98 PAGE 153
I-6	STD. CLASS C INLET	362.33	361.50	358.80	SEE HO. CO. STD. DETAILS DRWG. D-98
EX I-B	MODIFIED S COMB. INLET	351.00	346.50	346.30	SEE DETAIL THIS SHEET
EX I-A	MODIFIED INLET	351.00	346.95	346.70	SEE DETAIL THIS SHEET

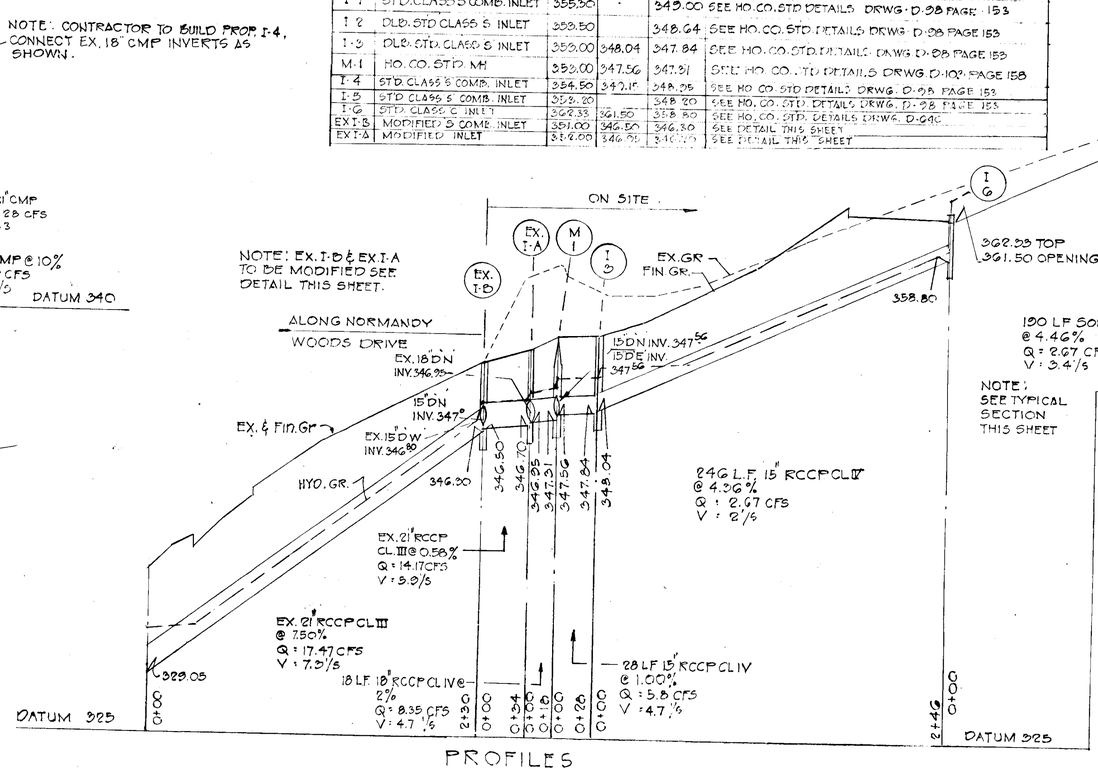




NOTE: CONTRACTOR TO BUILD PROP. I-4, CONNECT EX. 18" CMP INVERTS AS SHOWN.

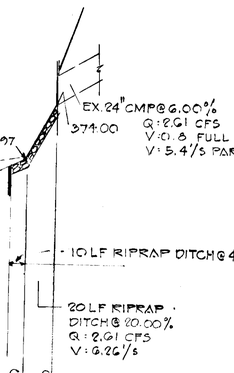






PROFILES

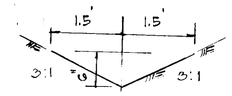
SCALE: HOR. 1" = 50' VERT 1" = 5'



NOTE: SEE TYPICAL SECTION THIS SHEET

LONGITUDINAL SECT. RIP RAP DITCH

NO SCALE

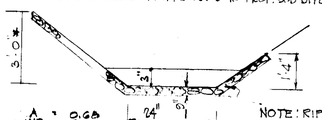


A : 0.75
WP : 3.16
HR : 0.24
SL : 4.46%
n : .035
V : 3.46'/s
Q : 2.67 CFS
Q_R : 2.6 CFS

SECTION SOD DITCH

NO SCALE

*N' SIDE OF RIPRAP DITCH SHALL BE HEIGHT SHOWN TO ACCOMODATE RADIUS FROM EX. 24" D TO PROP. SOD DITCH



A : 0.68
WP : 3.59
HR : 0.19
SL : 20.00%
n : .035
V : 6.26'/s
Q : 4.26 CFS
Q_R : 2.61

NOTE: RIPRAP SHALL BE UN-GROUTED, 6" MIN. EACH FACE OVER POLY-FILTER-X.

RIP RAP SECTION

NO SCALE

APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 11-24-75

STORM DRAIN SYSTEM

PLAN PROFILES DETAILS

FOR

OFFICE BLDG SITE

ROUTE 40 & NORMANDY WOODS DR.

2ND DISTRICT
JULY 15, 1975

HO. CO. MD
SCALE: AS SHOWN

SHEET 2 OF 3 SDP-76-07

APPROVED: FOR PUBLIC WATER, PUBLIC SEWAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER	12-24-75 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

DIRECTOR	12-24-75 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING.	12/24/75 DATE

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DIRECTOR	12-22-75 DATE
CHIEF, BUREAU OF HIGHWAYS	12/19/75 DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE	12/16/75 DATE

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DEVELOPER	7/21/75 DATE

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER	7/21/75 DATE

10/12/75

SITE ANALYSIS (SOIL CONSERVATION)

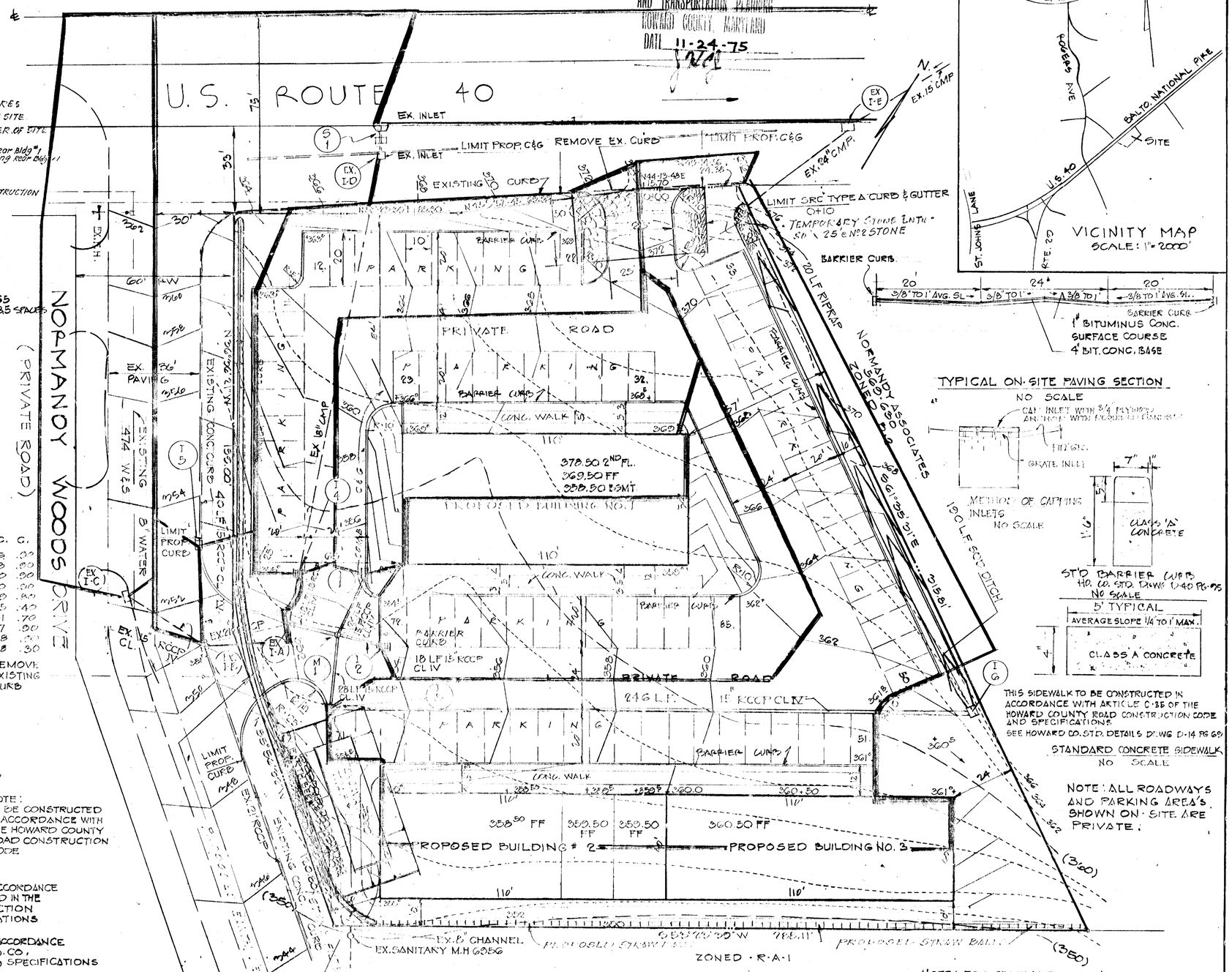
1. AREA OF SITE : 1.624 AC.
2. TOTAL DISTURBED AREA : 1.24 AC.
3. PAVED AREA : 0.96 AC.
4. ROOF AREA : 0.32 AC.
5. GRASS AREA : 0.33 AC.

CONSTRUCTION SEQUENCE

1. INSTALL SOIL CONSERVATION MEASURES INCLUDING STONE FILTER S.W. CORNER OF SITE
2. INSTALL TEMP. STONE ENTRANCE N.E. CORNER OF SITE
3. CONSTRUCT BUILDING #1.
4. PAVE area vicinity bldg. #1 & paved area rear bldg #1
5. STABILIZE area North & vicinity bldg #1 & paving rear bldg #1
6. CONSTRUCT Bldg. #3
7. STABILIZE AREA BLDG. #3.
8. PAVE AREA FRONT BLDG. #3
9. PROVIDE ADEQUATE STONE FILTER FOR CONSTRUCTION BUILDING #2
10. CONSTRUCT BUILDING #2
11. STABILIZE AREA BUILDING #2
12. COMPLETE SITE.

GENERAL NOTES

1. AREA OF PARCEL : 1.624 ACRES
2. PRESENT ZONING : B-2
3. TOTAL No. OF EMPLOYEES : 50
4. TITLE REFERENCE : 673 - 471
5. ROADS TO BE PRIVATE
6. PARKING TABULATION : REQUIRED : 65
   50 EMPLOYEES : 25 PROVIDED : 85 SPACES
   4000# RETAIL : 40 SPACES
7. TAX MAP - 18



STRUCTURE	AC.	C.
I-1	.20	.00
I-2	.23	.80
I-3	.60	.80
I-4	.20	.00
I-5	.29	.80
I-6	.05	.40
EX. I-C	.51	.70
EX. I-D	.17	.80
EX. I-E	.38	.00
EX. I-F	.38	.30
EX. S-1	1.08 AC	
	C. 0.7	

REMOVE EXISTING CURB

BITUMINUS CONCRETE SURFACE	BAND C-3
BITUMINUS CONCRETE BASE	BAND C-2 OR G-3

CLEARING AND GRADING	ARTICLE C-1
SUBGRADE	ARTICLE C-2
BASE COURSE	ARTICLE C-31 OR C-30
SURFACE	ARTICLE C-31

NOTE: TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE

TYPICAL PAVING SECTION
NO SCALE

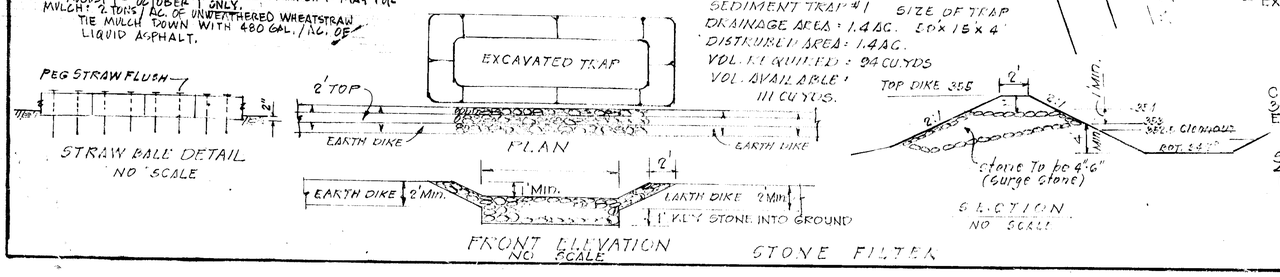
NOTE: BASE WILL BE PRIMED IN ACCORDANCE WITH SECTION C-30-3 AS PROVIDED IN THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS

NOTE: TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-31-4 OF THE HO. CO. CONSTRUCTION CODE & STANDARD SPECIFICATIONS

SEDIMENT CONTROL NOTES

1.) THE H.S.C.D AND BUREAU OF LICENSE INSPECTION AND PERMITS WILL BE GIVEN 24 HRS. NOTICE PRIOR TO ANY GRADING.
2.) ALL SEDIMENT CONTROL STRUCTURES SHOWN ON THIS PLAN, UNLESS OTHERWISE SPECIFIED, WILL BE INSTALLED AND STABILIZED IN ACCORDANCE WITH NOTE #9 PRIOR TO ANY GRADING OR EARTH DISTURBANCE ON SITE.
3.) AS SOON AS ROUGH GRADING IS COMPLETED, AREA TO BE PAVED WILL BE STABILIZED WITH BASE MATERIAL.
4.) ALL CUT AND FILL SLOPES WILL BE A MAXIMUM OF 3:1.
5.) FOLLOWING THE STABILIZATION OF ALL AREAS, UPGRADE THE AREA OF THE SEDIMENT CONTROL MEASURES MAY BE REMOVED AND GRADED TO THE FINAL GRADES PLANNED AND STABILIZE IMMEDIATELY.
6.) SEDIMENT CONTROL MEASURES WILL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM THE H.S.D.
7.) IN THE EVENT OF EXCESS OF MATERIAL, THE WASTE WILL BE STOCKPILED WITH A MAXIMUM 2:1 SLOPE ON AN AREA WHICH HAS BEEN CLEARED ON THE SITE. STOCKPILED MATERIAL WILL BE STABILIZED IN ACCORDANCE WITH NOTE #9.
8.) TEMPORARY STABILIZATION
   APPLY: 2000 lbs./AC. OR 11.5 LBS/SQ.FT. OF PULVERIZED DOLOMITIC LIMESTONE.
   500 lbs./AC. OR 11.5#/1000 SQ.FT. OF 5-5-5 FERTILIZER.
   PLANT TO RYEGRASS @ 40 lbs/AC.
   FERTILIZE WITH 5-10-10 AND MULCH W/STRAW @ 1½ TONS/AC.
9.) PERMANENT STABILIZATION
   APPLY: 2000 lbs./AC. OF PULVERIZED DOLOMITIC LIMESTONE
   700 lbs./AC. OF 0-20-0 SUPER PHOSPHATE
   1000 lbs./AC. OF 5-10-10 FERTILIZER
   SEED: 65 lbs/AC. OF KENTUCKY 31 TALL FESCUE
   40 lbs/AC. OF KENTUCKY BLUE GRASS
   25 lbs/AC. OF ANNUAL RYE GRASS
   NOTE: SEEDING MAY BE DONE BETWEEN MARCH 1 - MAY 1 OR AUGUST 1 - OCTOBER 1 ONLY.
   MULCH: 2 TONS/AC. OF UNWEATHERED WHEATSTRAW TIE MULCH DOWN WITH 480 GAL./AC. OF LIQUID ASPHALT.

SEDIMENT TRAP #1 SIZE OF TRAP
DRAINAGE AREA : 1.4 AC. 50' x 15' x 4'
DISTURBED AREA : 1.4 AC.
VOL. REQUIRED : 94 CU YDS
VOL. AVAILABLE : 111 CU YDS.



OWNER AND DEVELOPER
C. STUART KNUDSEN
3459 ST. JOHNS LANE
ELLICOTT CITY, MD. 21043 TELEPHONE 465-2222

ENGINEER
SNOVELL ASSOCIATES
4710 ROUNDHILL RD
ELLICOTT CITY MD 21043
TELEPHONE 465-1473

DRAINAGE AREA MAP & SOIL CONSERVATION FOR

SITE PLAN

OFFICE BLDG. SITE
ROUTE 40 & NORMANDY WOODS DRIVE
2ND ELECTION DISTRICT
SCALE: 1" = 20'
HOWARD COUNTY, MD.
MAY 15, 1975

10/12/75

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