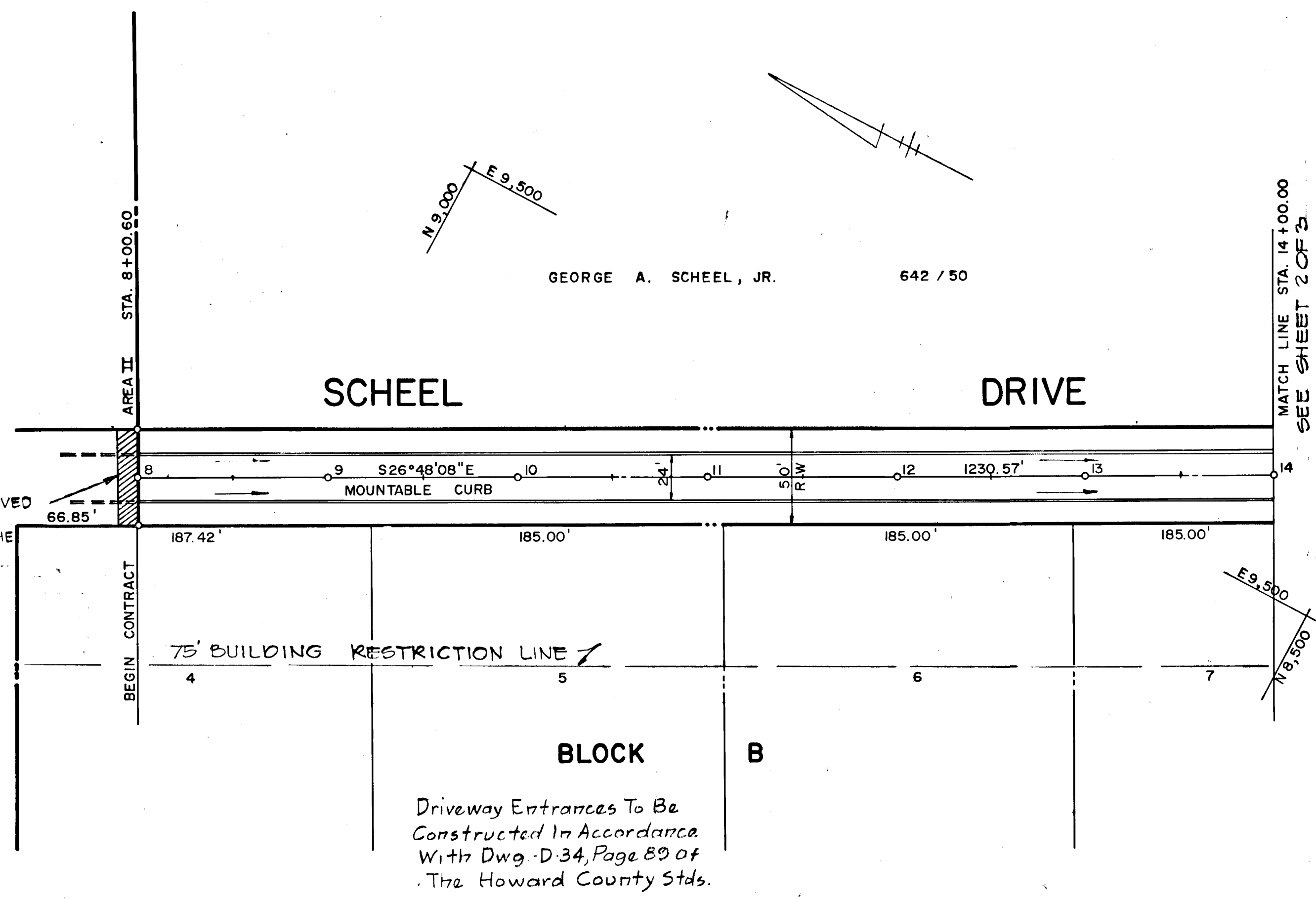


APPROVED: DEPARTMENT OF PUBLIC WORKS
Michael J. ... 10/16/75
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: OFFICE OF PLANNING AND ZONING
J.H. ... 10/17/75
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

DATE: _____ BY: _____
 PLAN NO. _____
 REVISIONS:
 1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____

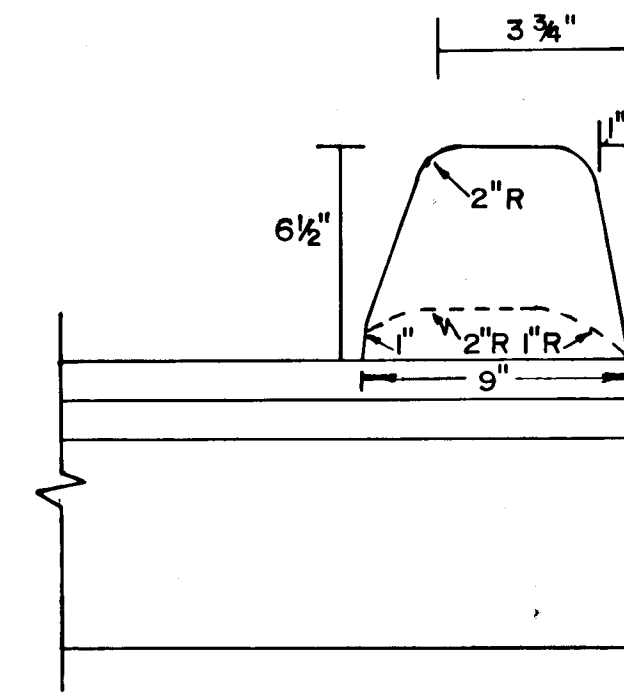
DATE: _____ BY: _____
 PROFILE NO. _____
 REVISIONS:
 1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____



BITUM. CONC. SURFACE	1" BAND C-3
BITUM. CONC. BINDER	2 1/2" BAND C-2
CRUSHER RUN BASE	7"

PAVING SPECIFICATION

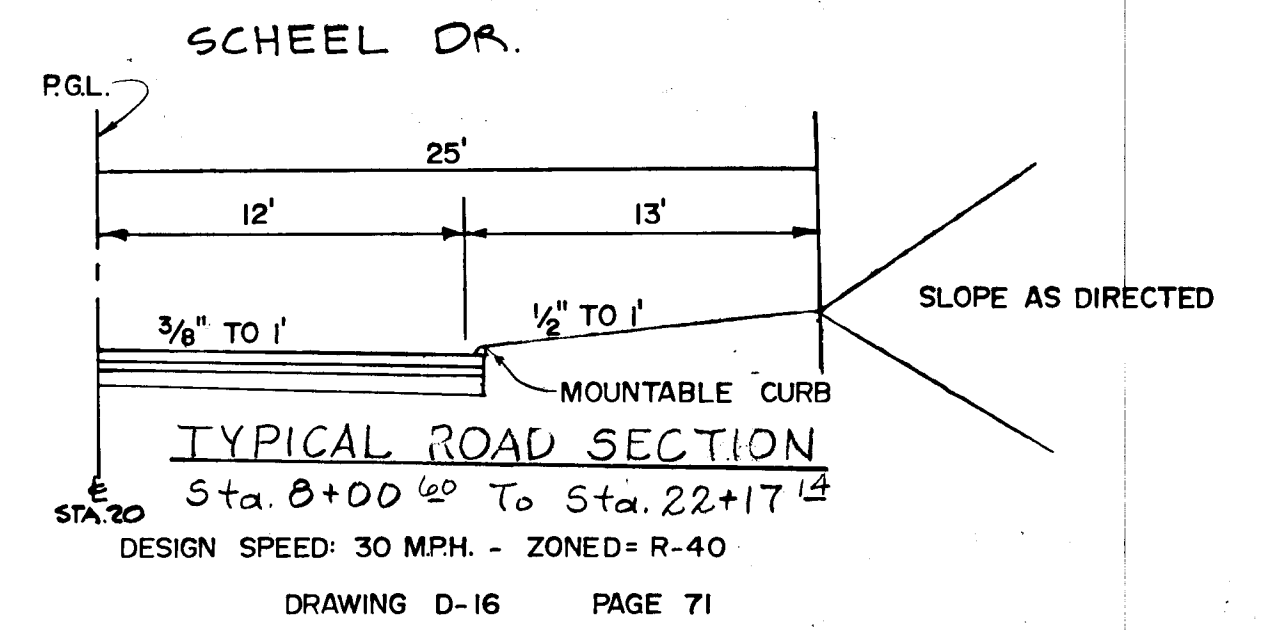
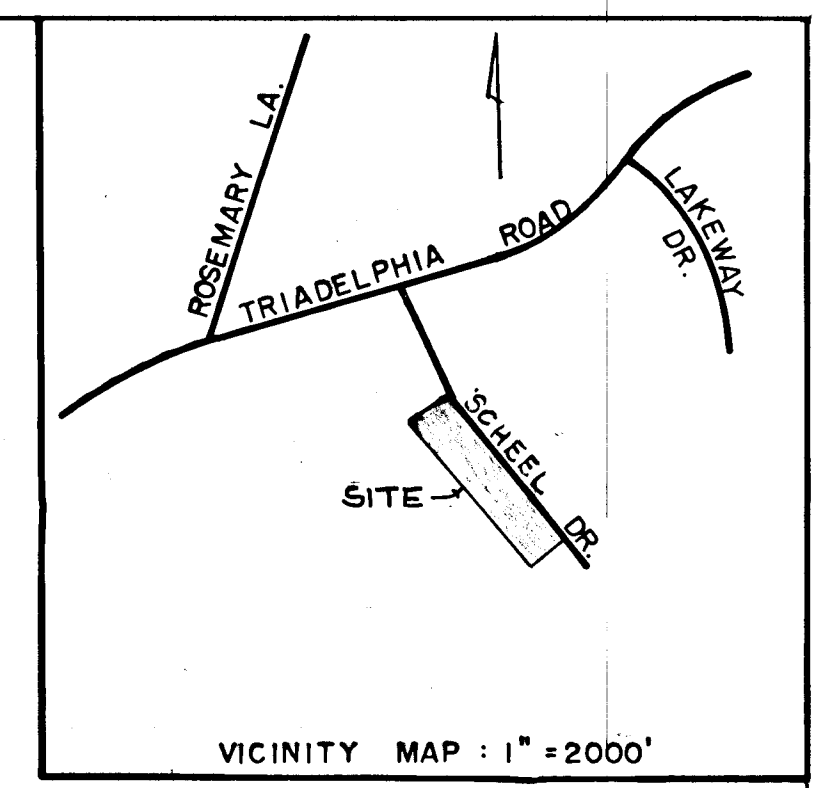
- DRAWING D-4 PAGE 59
- TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS
 - BASE WILL BE PRIMED IN ACCORDANCE WITH SECTION C-30-3 AS PROVIDED IN THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
 - TACK COAT IS IN ACCORDANCE WITH SECTION C-31-4 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.



MOUNTABLE CURB

DRAWING D-39
PAGE 94

OWNER:
 GEORGE A. SCHEEL, JR.
 12845 TRIADELPHIA ROAD
 HOWARD COUNTY, MD.



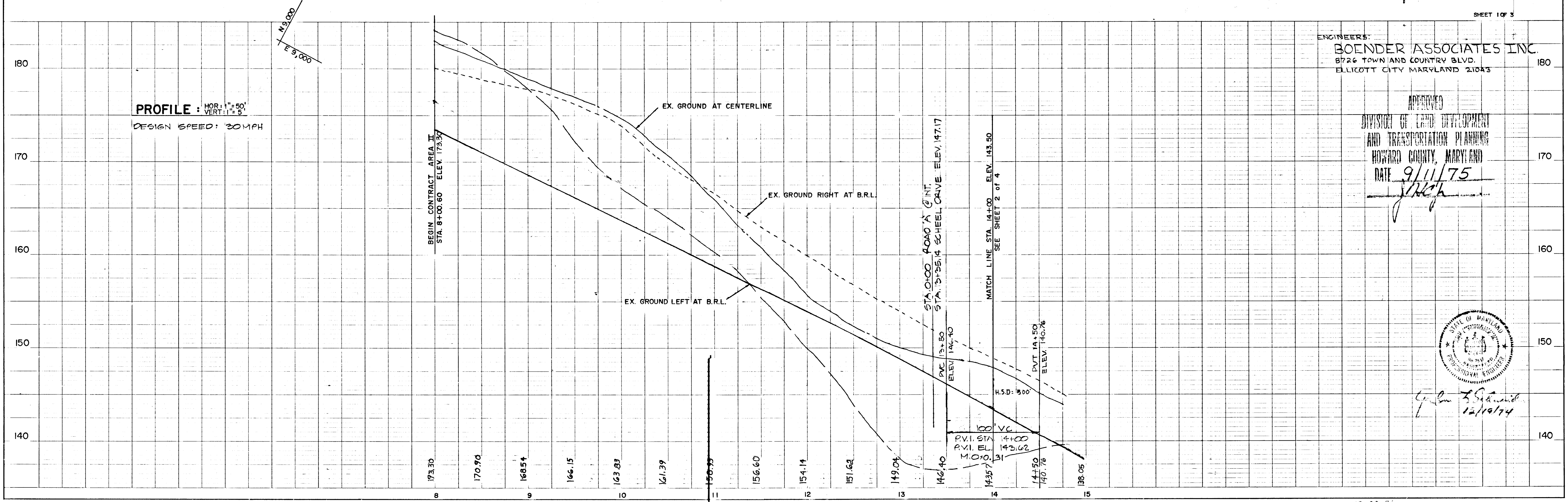
TYPICAL ROAD SECTION
 Sta. 8+00.00 To Sta. 22+17.14
 DESIGN SPEED: 30 MPH. - ZONED-R-40

DRAWING D-16 PAGE 71

PLAN: 1" = 50'

WAYSIDE ESTATES SECTION I - AREA II

3RD ELECTION DISTRICT HOWARD COUNTY, MD. SCALE: 1" = 50' DATE: 12/4/74



PROFILE: HOR. 1" = 50'
 VERT. 1" = 5'
 DESIGN SPEED: 30 MPH

ENGINEERS:
 BOENDER ASSOCIATES INC.
 8726 TOWN AND COUNTRY BLVD.
 ELLICOTT CITY MARYLAND 21043

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 9/11/75
J. ...



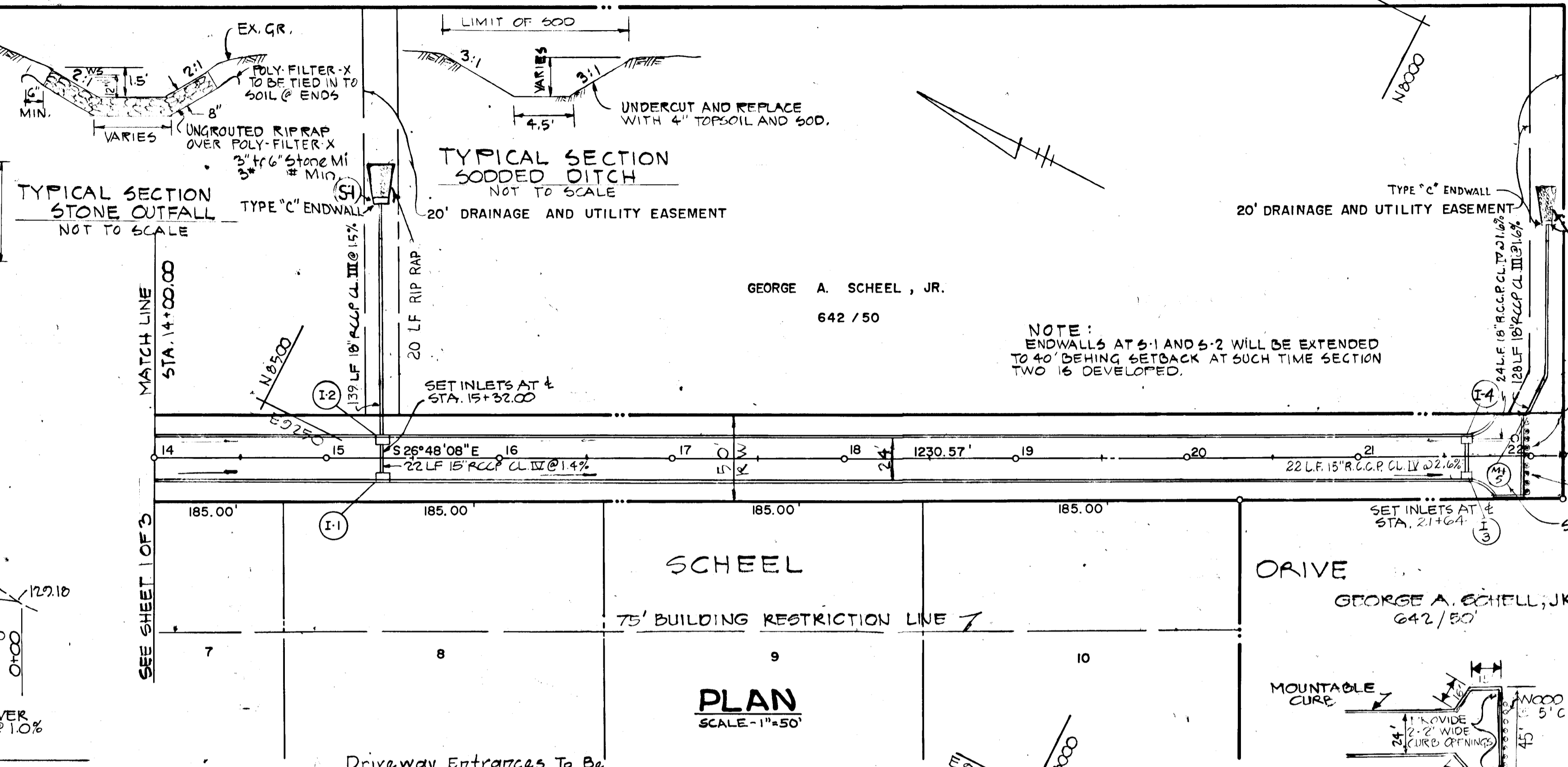
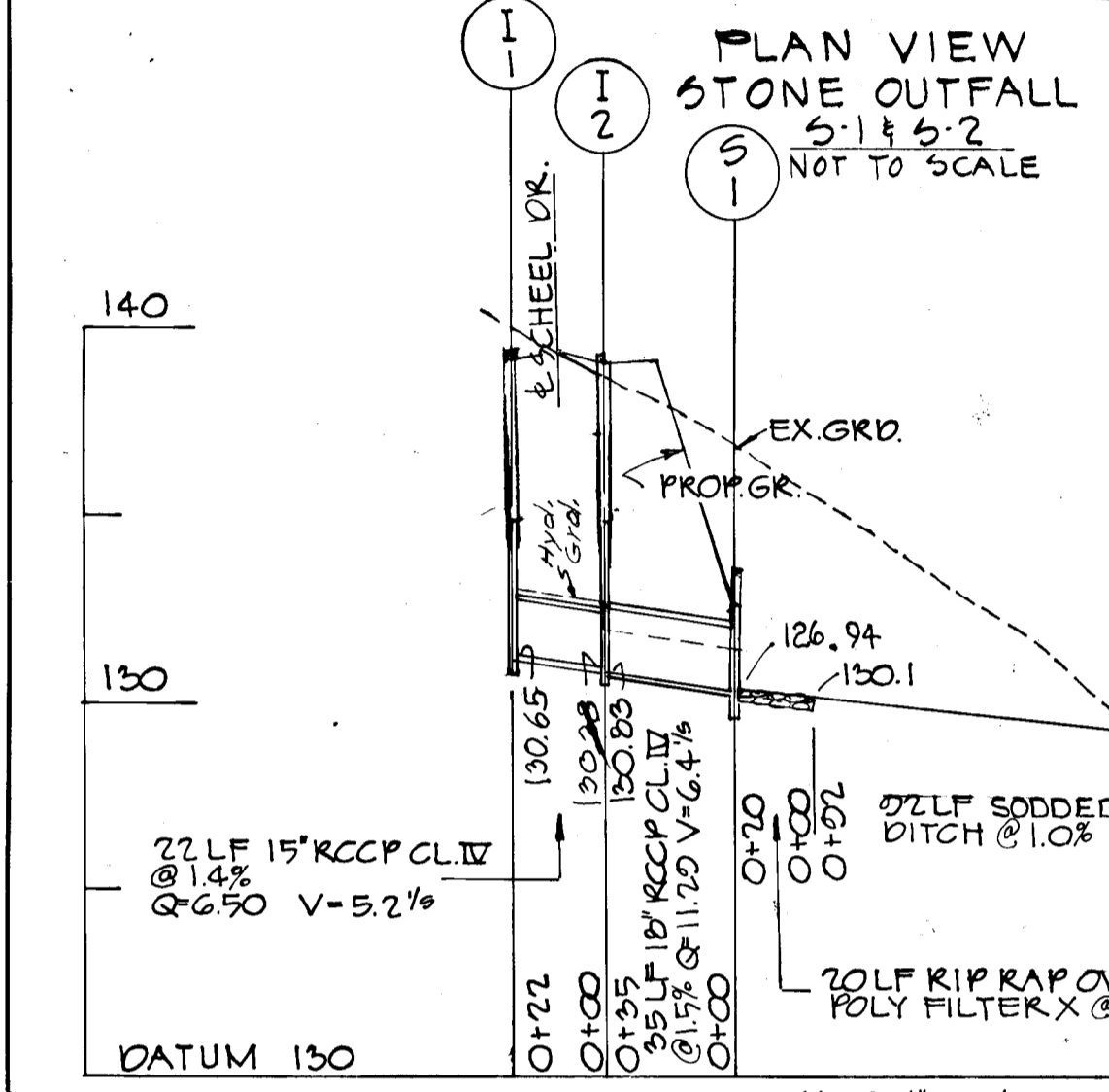
George A. Scheel, Jr.
 12/10/74

APPROVED: DEPARTMENT OF PUBLIC WORKS
Michael J. Davis 10-16-75
 CHIEF, BUREAU OF HIGHWAYS DATE

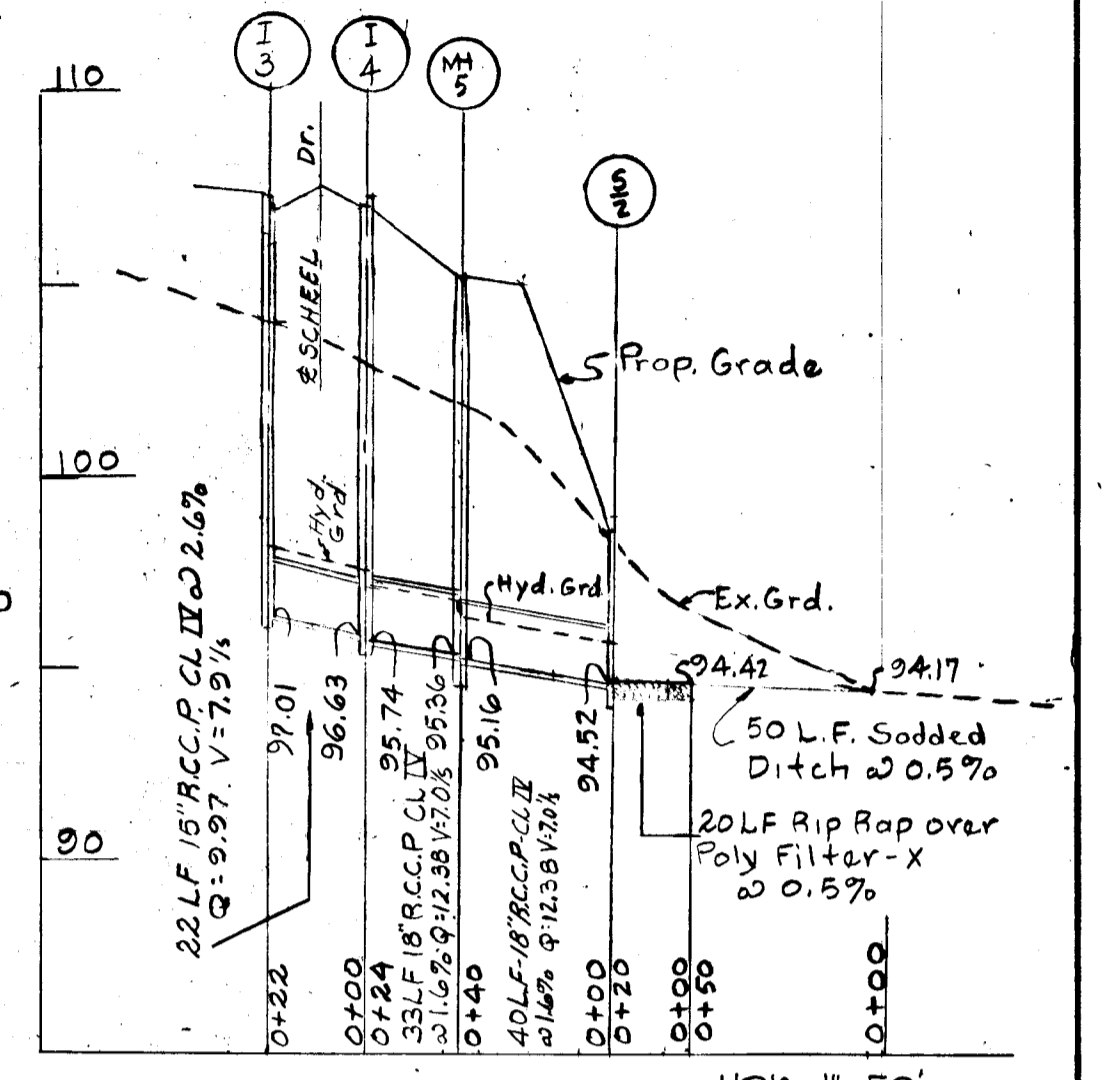
APPROVED: OFFICE OF PLANNING AND ZONING
J.H. Clavon 10/17/75
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

NO.	TYPE	STRUCTURE			REMARKS
		INV. IN	INV. OUT	TOP EL.	
I-1	HO.CO. STD. CLASS 5 COMB.	120.65	120.65	120.65	SEE HO. CO. STANDARD DETAILS DWG. 77 PG. 102
I-2	HO.CO. STD. CLASS 10 W/DEFLECTORS	120.35	120.83	120.61	SEE HO. CO. STANDARD DETAILS DWG. 77 PG. 102
I-3	HO.CO. STD. CLASS 5 COMB.	97.01	97.01	97.01	SEE HO. CO. STANDARD DETAILS DWG. 77 PG. 102
I-4	HO.CO. STD. CLASS 10 W/DEFLECTORS	96.63	95.74	95.74	SEE HO. CO. STANDARD DETAILS DWG. 77 PG. 102
S-1	HO.CO. STD. TYPE 'C' ENDWALL	126.44	126.30	-	SEE HO. CO. STANDARD DETAILS DWG. 52 PG. 107
S-2	HO.CO. STD. TYPE 'C' ENDWALL	94.52	94.52	-	SEE HO. CO. STANDARD DETAILS DWG. 52 PG. 107
M-5	HO.CO. STD. MANHOLE	95.36	95.16	105.09	SEE HO. CO. STANDARD DETAILS DWG. 102 PG. 108

A =	5.1	5.2
W.P. =	0.0650	0.0650
H.P. =	0.0074	0.0074
D =	0.035	0.035
K =	4.13	2.92
S =	26.85	18.99
X =	1.29	12.38



NOTE:
 Structure S-2 and 18" R.C.C.P. between M-5 and S-2 not to be constructed until Section I Area II is stabilized.



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

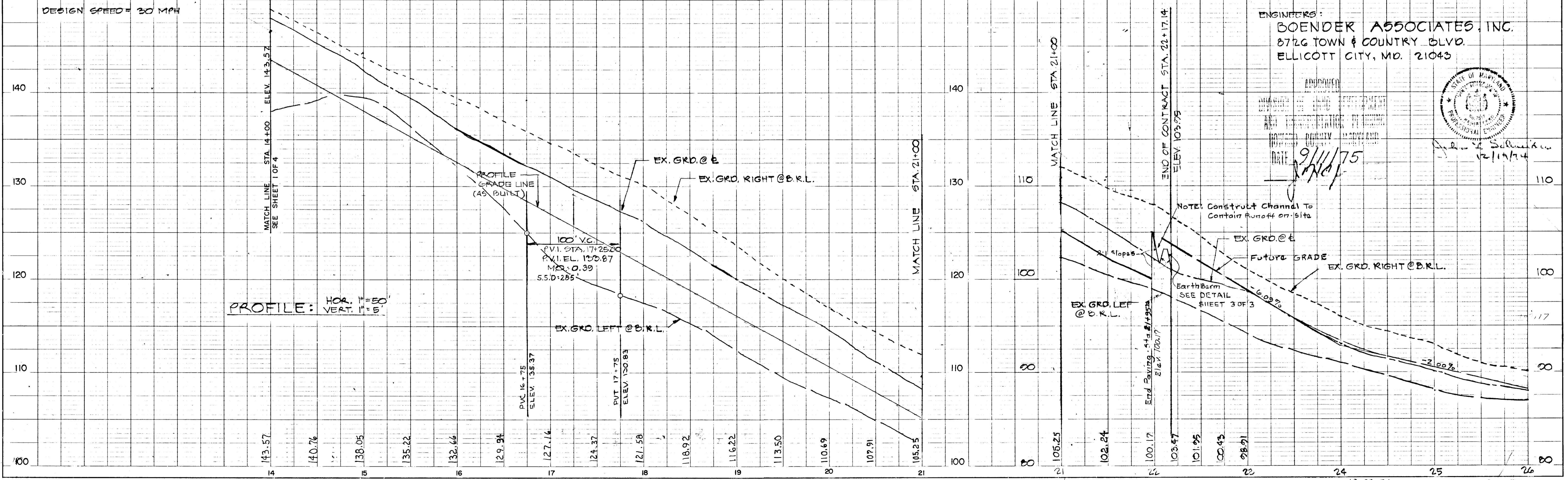
PLAN SCALE: 1"=50'

NOTE:
 ENDWALLS AT S-1 AND S-2 WILL BE EXTENDED TO 40' BEHIND SETBACK AT SUCH TIME SECTION TWO IS DEVELOPED.

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

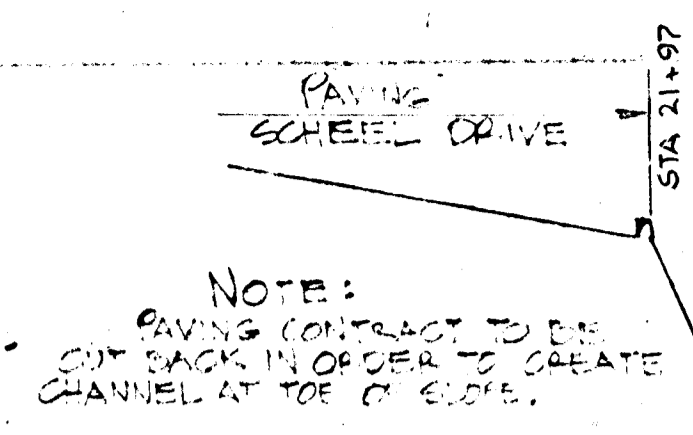
WAYSIDE ESTATES SECTION I - AREA II

3RD ELECTION DISTRICT
 HOWARD COUNTY, MD. DATE: 12/4/74

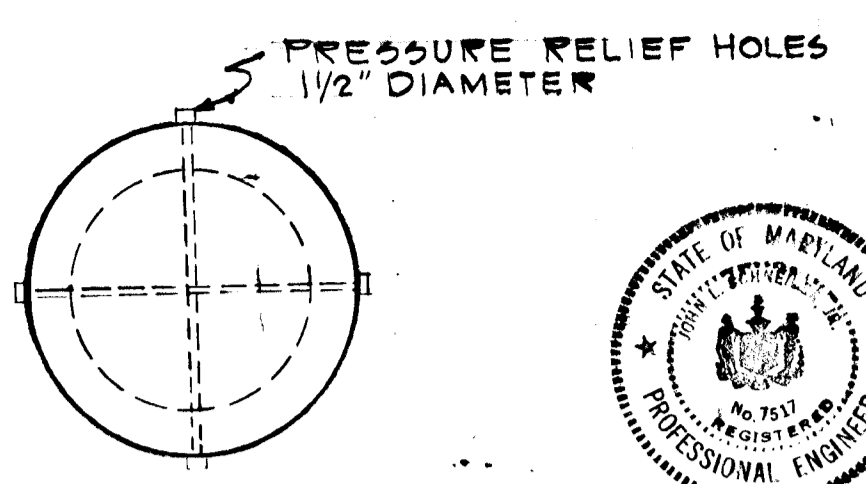


SEDIMENT CONTROL NOTES

- 1) THE H.S.C.D. AND BUREAU OF LICENSE, INSPECTION AND PERMITS WILL BE GIVEN 24 HOURS 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 OTHER GRADING OR EARTH DISTURBANCE ON THIS SITE
- 3) AS SOON AS ROUGH GRADING IS COMPLETED, AREA TO BE PAVED WILL BE STABILIZED WITH 3000 LBS./ACRE OF FULVERIZED LIMESTONE
- 4) ALL CUT AND HILL SLOPES WILL BE A MAXIMUM OF 3:1
- 5) FOLLOWING THE STABILIZATION OF ALL AREAS, UNLESS THE AREA OF THE STABILIZED SLOPES MEASURES MAY BE KNOWN
- 6) ELEVATION MARKED THRU (X) ARE FINISHED GRADES
- 7) IN THE EVENT OF EXCESS OF MATERIAL, THE WASTE WILL BE STOCKPILED
- 8) SEDIMENT CONTROL MEASURES WILL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM THE H.S.C.D.
- 9) TEMPORARY STABILIZATION: APPLY 500 LBS./ACRE OF FULVERIZED LIMESTONE, 100 LBS./ACRE OF 5-10-10 FERTILIZER AND MULCH WITH STRAW AT 1 1/2 TONS/ACRE



NOTE: ALL BERMS TO BE MACHINE COMPACTED



CERTIFICATION BY THE ENGINEER
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
John F. Schmidt
9/15/75
DATE

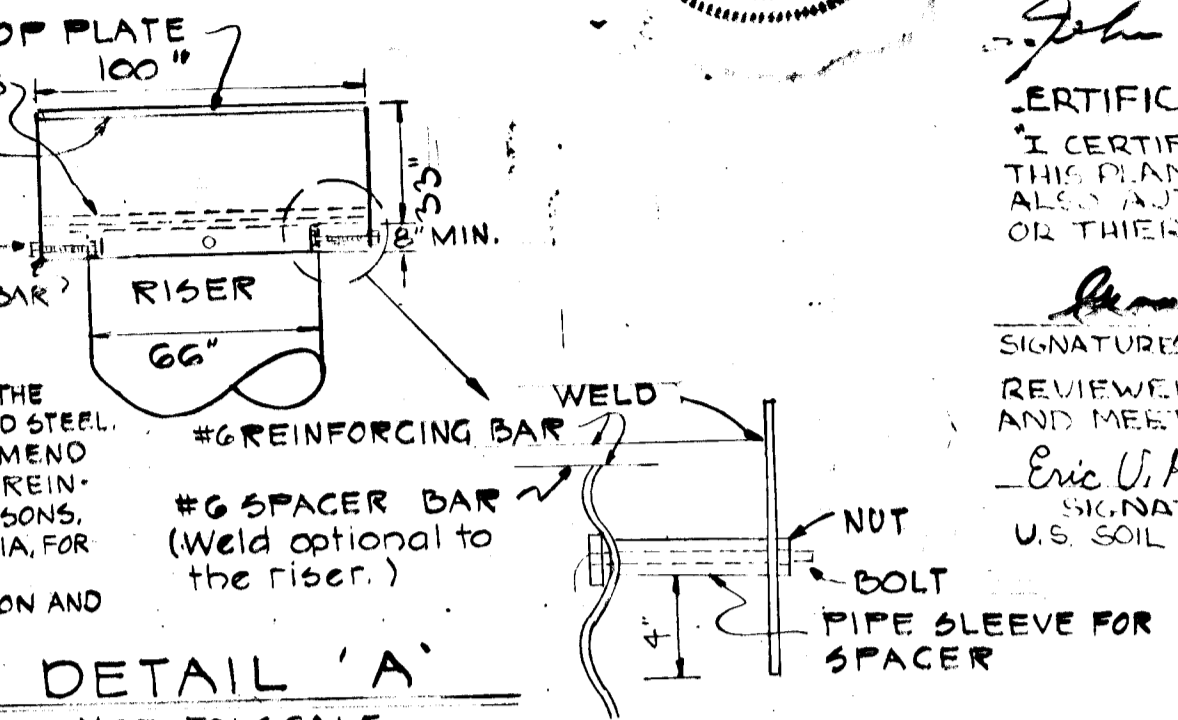
CERTIFICATION BY THE DEVELOPER
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I ALSO AGREE TO PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.
George A. Scheel
9/10/75
DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS
Eric U. Herman
DATE 10/1/75
APPROVED: Robert Zahn
DATE 10/1/75
HOWARD S.C.D.

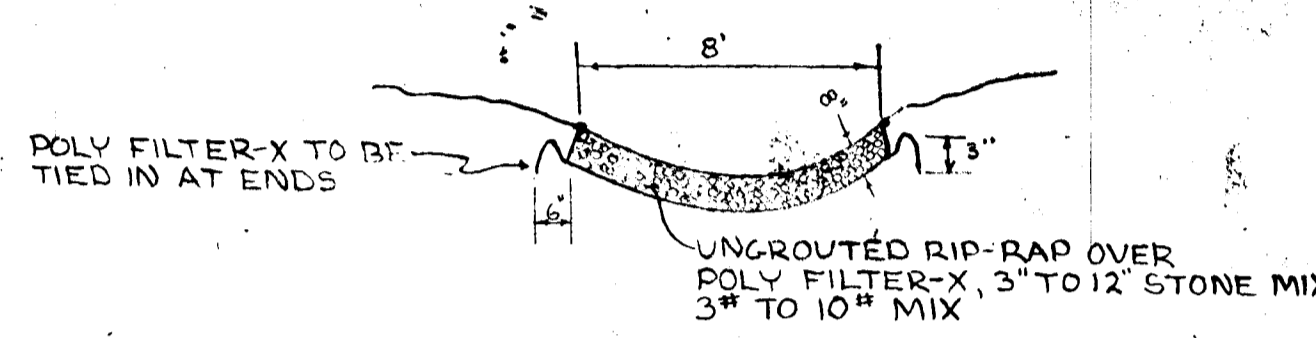
TYPICAL SECTION EARTH BERM AT TEE TURNAROUND
NOT TO SCALE

NOTES:

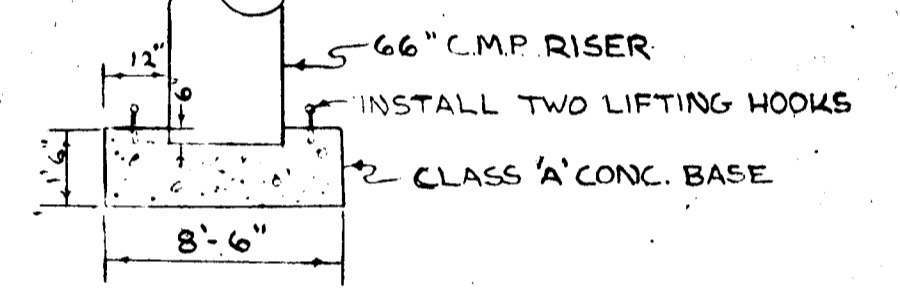
1. TOP PLATE - TO BE 1/8" STEEL PLATE
2. OUTER SHELL - TO BE OF SAME GAUGE METAL AS THE RISER. MAY BE FORMED SHEET STEEL OR CORRUGATED STEEL
3. ATTACHMENT TO RISER MAY BE WELDED BUT RECOMMEND BOLTS AS SHOWN WITH BOLTS DIRECTLY UNDER THE REINFORCING RODS AS SHOWN FOR MAINTENANCE REASONS
4. BOLTS USE 1/2" FOR RISERS UP TO 36" DIA. USE 5/8" DIA. FOR ALL LARGER RISER DIAMETERS
5. BITUMINOUS COAT ALL SURFACES AFTER FABRICATION AND ATTACHMENT TO THE RISER.



DETAIL 'A'
NOT TO SCALE



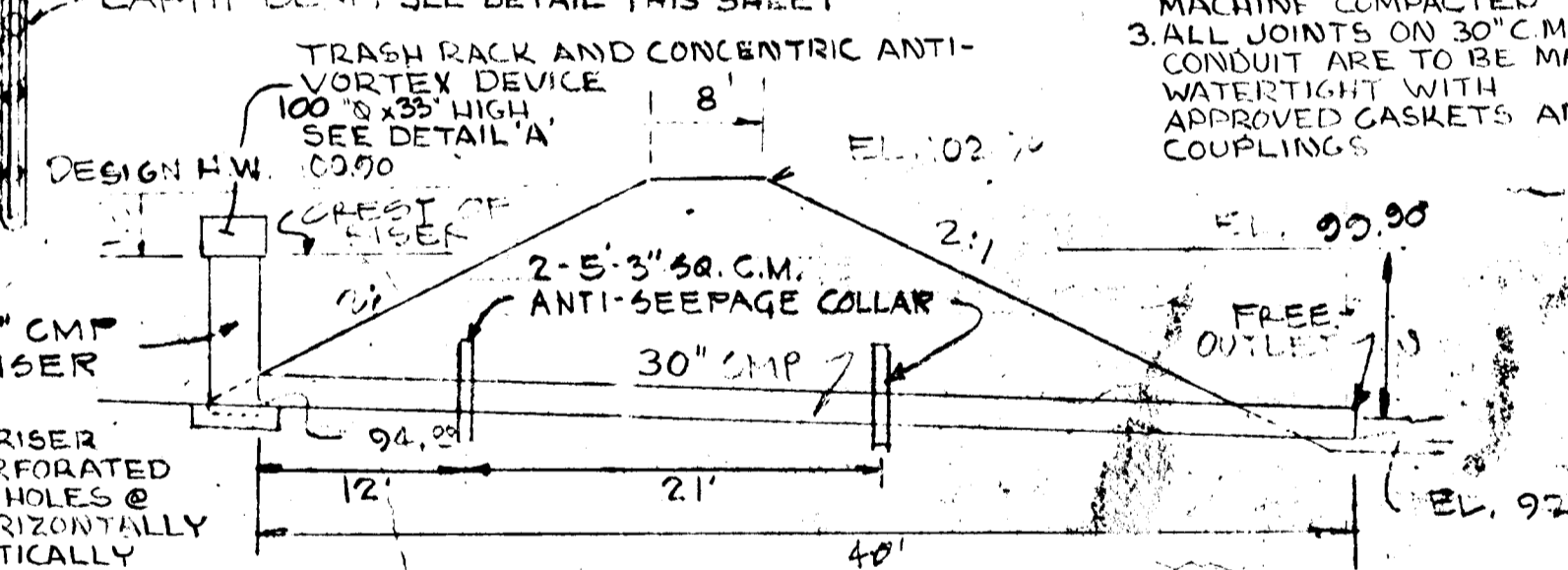
TYPICAL STONE OUTLET
BASIN #1
NOT TO SCALE



TYPICAL SECTION RISER BASE

NOTES:

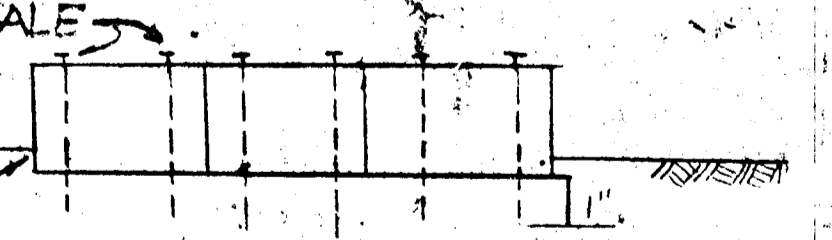
1. BASIN CLEANOUT ELEVATION IS 97.65
2. ALL BERMS ARE TO BE MACHINE COMPACTED
3. ALL JOINTS ON 30" C.M.P. CONDUIT ARE TO BE MADE WATER TIGHT WITH APPROVED GASKETS AND COUPLINGS



PARRELL & RISER DETAIL

APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 9/11/75
J.F.S.

STRAW BALES AROUND INLET TO BE USED AROUND INLETS #1, 2, 3, AND 4
2 STAKES EA. BALE DRIVEN FLUSH

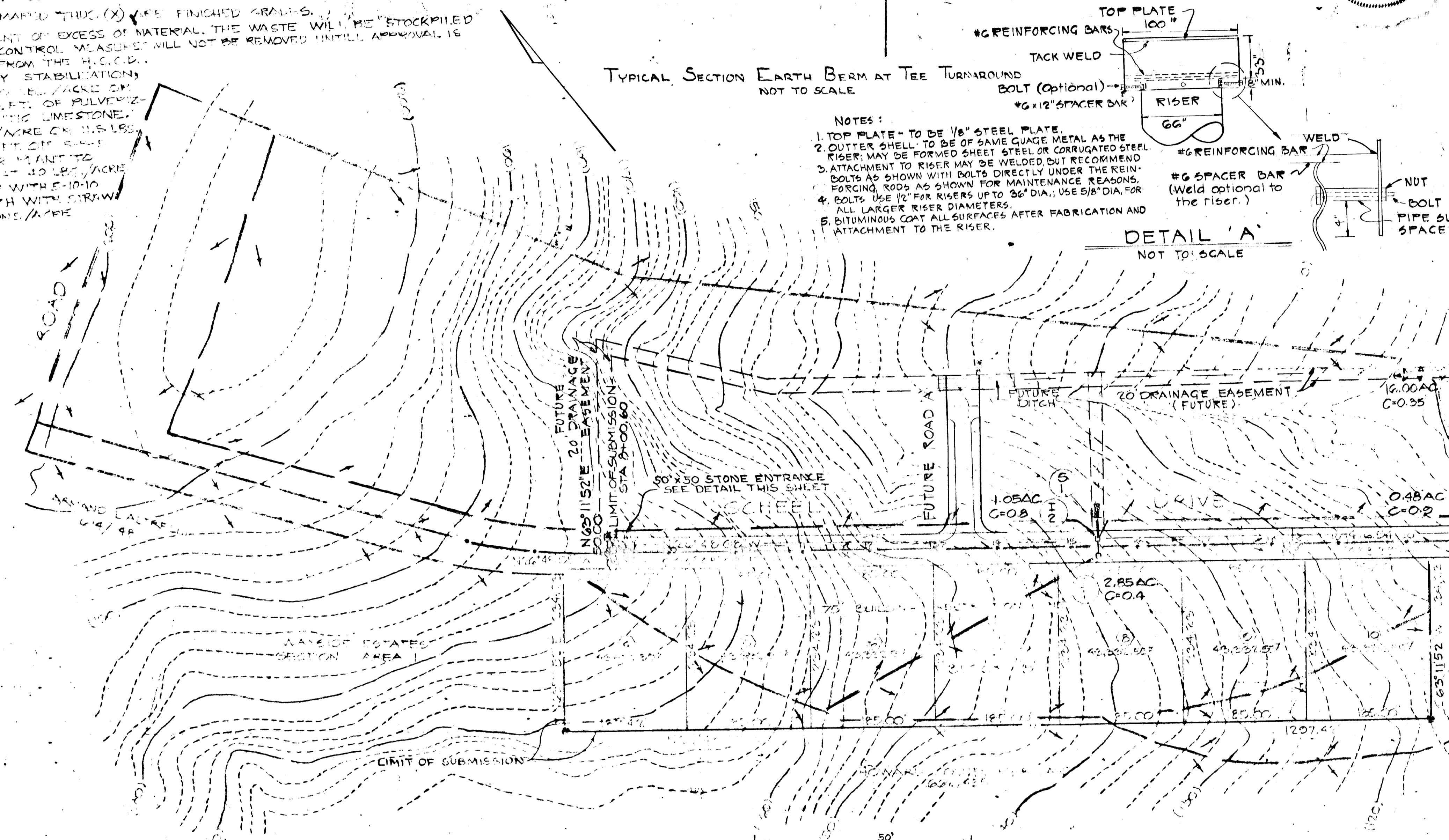


STRAW BALE DETAIL
NO SCALE

GENERAL NOTES

1. PRESENT ZONING = R-40
2. PROPOSED ZONING = R-40
3. MINIMUM LOT SIZE: 40,000 SQ. FT.
4. 40' SET BACKS AND DRIVEWAYS OR WALKWAYS TO BE UTILIZED
5. SEDIMENT BASIN #1 IS TO BE LEFT IN PLACE AND IS TO BE USED FOR CONSTRUCTION OF SECTION II AND THE LOT THAT IT IS OCCUPYING WILL BE THE LAST LOT TO BE BUILT UPON

OWNER AND DEVELOPER-BUILDER
ALBERT SCHEEL, JR.
TRIADLPHIA ROAD
HOWARD CO., MD.



TYPICAL SECTION STONE ENTRANCE
NOT TO SCALE

CONSTRUCTION SEQUENCE

1. CONSTRUCT ALL SEDIMENT CONTROL DEVICES, SEDIMENT BASIN, BARREL, RISER, BERMS, STONE ENTRANCE, ETC. AND STABILIZE USING APPROVED SEDIMENT CONTROL MEASURES AS SHOWN ON THIS SHEET
2. BEGIN R/W CLEARING AND ROAD GRADING
3. BEGIN STORM DRAIN CONSTRUCTION INCLUDING PROTECTIVE DEVICE AROUND INLETS
4. COMPLETE ROAD GRADING TO SUBGRADE
5. COMPLETE STORM DRAIN CONSTRUCTION
6. REMOVE STONE ENTRANCE AND PAVE TO FINISHED GRADE AND INSTALL CURB
7. STABILIZE ALL DISTURBED AREAS WITH APPROVED SEDIMENT CONTROL MEASURES AS SHOWN ON THIS SHEET
8. COMPLETE CONSTRUCTION ON LOTS 4 THRU 10
9. CLEAN OUT BASIN #1 TO EXISTING GRADE ELEVATION AND RESTABILIZE DISTURBED AREAS

APPROVED DEPARTMENT OF PUBLIC WORKS
M. J. ... 10/6/75
APPROVED OFFICE OF PLANNING AND ZONING
J. H. ... 10/7/75
CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING

10. PERMANENT STABILIZATION:
APPLY: 2000 LBS./ACRE OF FULVERIZED LIMESTONIC
LIMESTONE 70 LBS./ACRE OF 0-20-0 SUPER PHOSPHATE.
1000 LBS./ACRE OF 5-10-10 FERTILIZER

SEED: 85 LBS./ACRE OF KENTUCKY 31 TALL FESCUE
40 LBS./ACRE OF KENTUCKY BLUE GRASS
25 LBS./ACRE OF ANNUAL RYE GRASS

NOTE: SEEDING MAY BE DONE BETWEEN MARCH 1- OR MAY 1, OR AUGUST 1, OCTOBER 1, ONLY

MULCH 2 TONS/ACRE OF UNWEATHERED WHEATSTRAW, TIE MULCH DOWN WITH 480 GAL./ACRE OF LIQUID ASPHALT

11. SODDING:
SOD SHALL BE WELL ROOTED KENTUCKY BLUE GRASS 600, CONTAINING NOT MORE THAN 30% OF OTHER GRASSES NATIVE TO HOWARD CO., MARYLAND AREA, AND NOT MORE THAN 5% CLOVER. IT MUST BE REASONABLY FREE OF CRAB GRASS, ORCHARD GRASS, QUACK GRASS, TIMOTHY, PLANTAIN, DANDELIONS AND OTHER UNDESIRABLE GROWTHS. THE SOD SHALL BE CUT IN STRIPS NOT MORE THAN 16 INCHES WIDE, BY NOT MORE THAN 6 FEET LONG AND SHALL BE UNIFORMLY 2 INCHES THICK. AFTER CUTTING, THE SOD SHALL BE IMMEDIATELY ROLLED WITH THE GRASS INSIDE AND SHALL BE KEPT MOISTENED TO PREVENT DRYING.

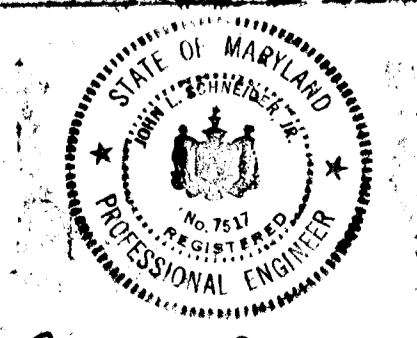
SOD SHALL BE LAID WITH CLOSE, TIGHT JOINTS ON A SMOOTH BED OF TOPSOIL 4" THICK THAT HAS BEEN ROLLED WITH A ROLLER WEIGHING 100 LBS. PER FT. OF ROLLER WIDTH, AND LEVELED UP WITH SCREENED TOPSOIL TO PREVENT VOIDS. AFTER THE SOD HAS BEEN LAID AND PEGGED, IT SHALL BE ROLLED AND THOROUGHLY WATERED.

SOD LAID ON SLOPES STEEPER THAN 3:1 SHALL BE LAID DIAGONALLY WITH THE SLOPE OF THE GROUND, WITH BROKEN JOINTS AND PEGGED EVERY 12 INCHES WITH WOODEN PEGS.

SOD LAID ON SLOPES OF 3:1 OR LESS SHALL BE LAID PARALLEL WITH THE CONTOUR AND EACH STRIP WILL BE PEGGED WITH AT LEAST TWO WOODEN PEGS.

SITE ANALYSIS	
PAVING AREA:	0.77 AC.
GREEN AREA:	6.98 AC.
TOTAL AREA:	7.75 AC.

DRAINAGE AREA MAP AND SEDIMENT CONTROL PLAN			
WAYSIDE ESTATES SECTION I AREA II			
3RD ELECTION DISTRICT	HOWARD CO., MD		
3/20/75	T6	TO	JS
1" = 100'	7489	3	3



BOENDER ASSOCIATES INC.

REVISED: 9/15/75