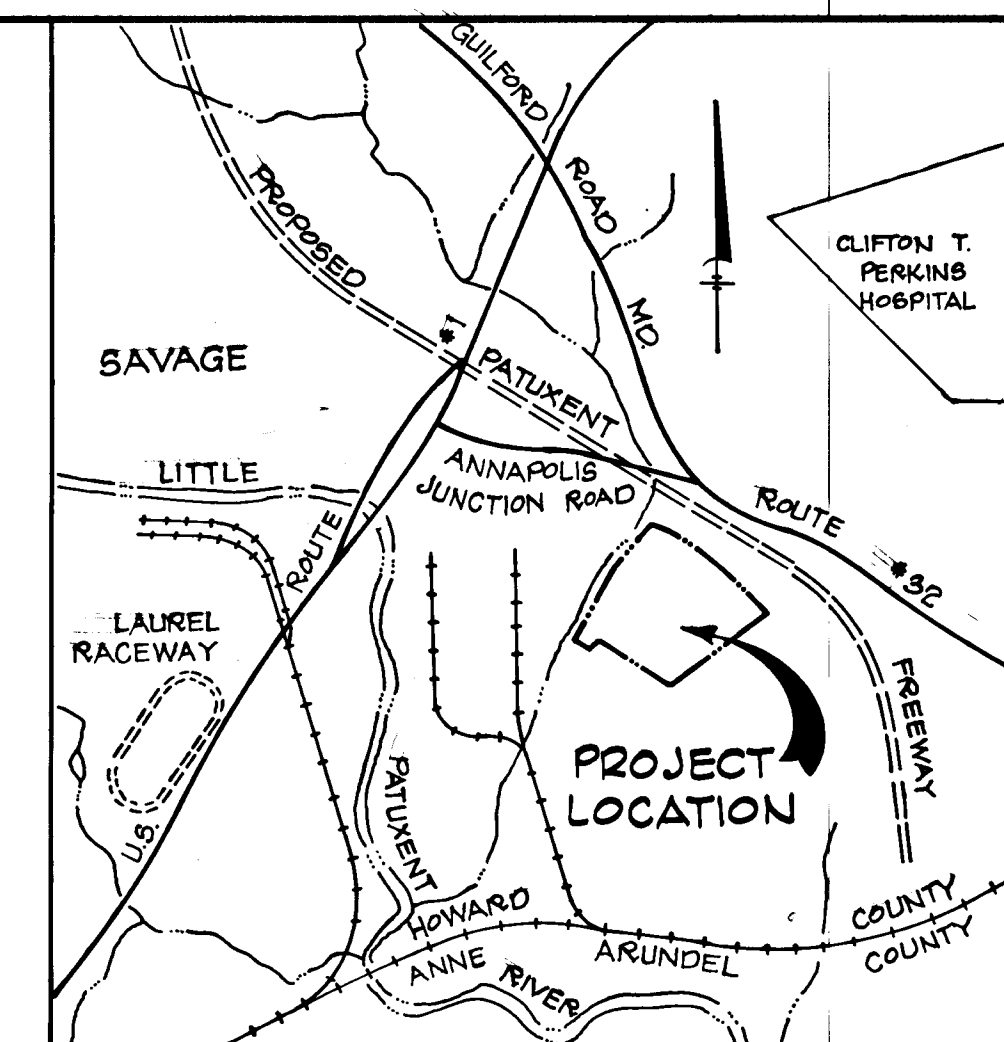


CORRIDOR INDUSTRIAL PARK

6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

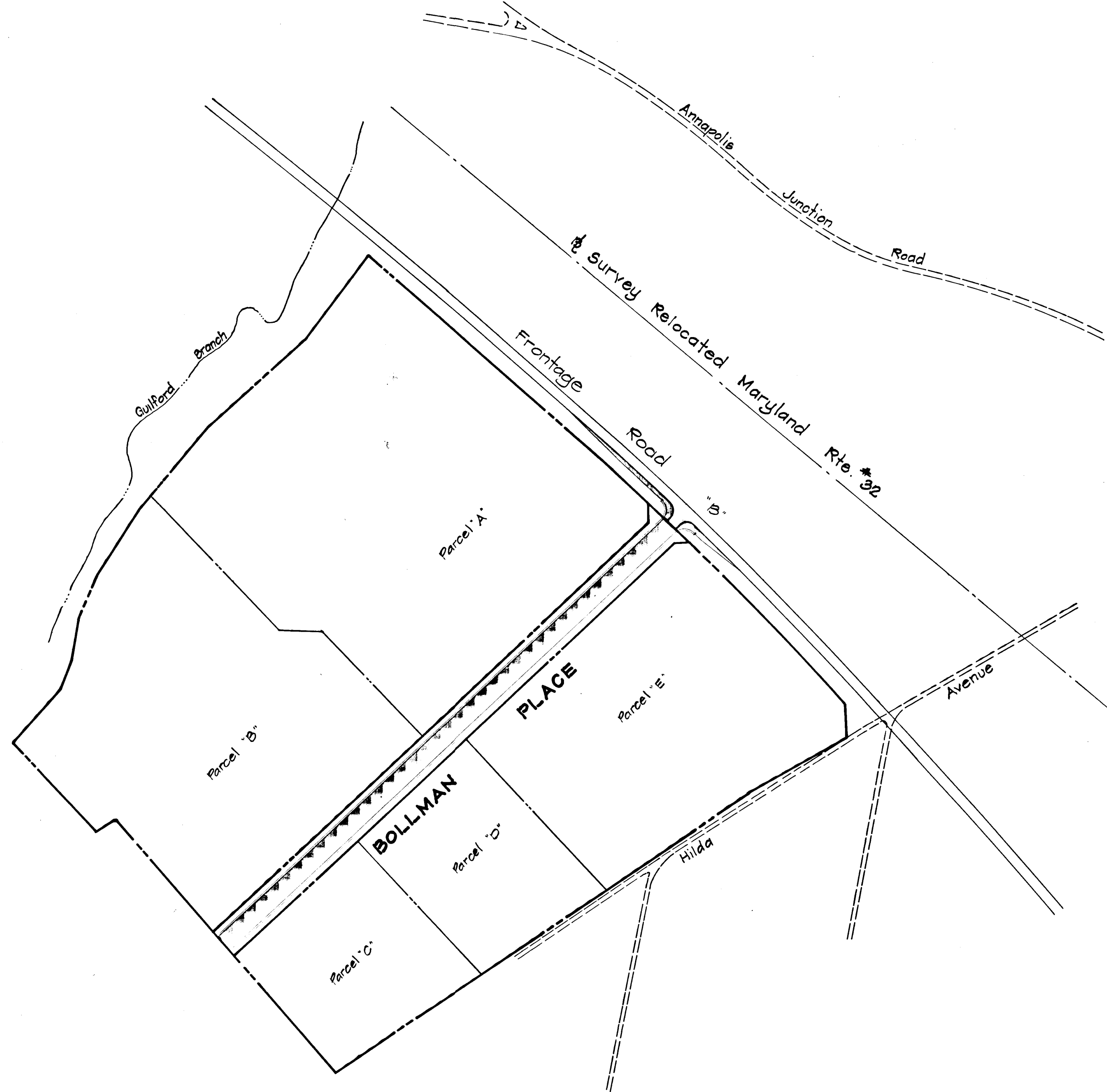
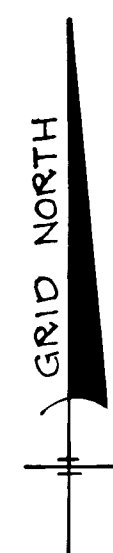


VICINITY MAP

Scale: 1" = 2,000'

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
2. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
4. CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES AT LEAST THREE DAYS BEFORE STARTING WORK SHOWN ON THIS/THESE DRAWINGS:
 BELL TELEPHONE SYSTEM ----- 393-3649
 LONG DISTANCE CABLE DIVISION ----- 393-3553 or 3554
 BALTIMORE GAS AND ELECTRIC CO. ----- 539-8000 Ext. 91
5. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, UNLESS OTHERWISE SHOWN.
6. ALL STREET CURB RETURNS SHALL HAVE 35.0' RADII UNLESS OTHERWISE NOTED.
7. STORM DRAIN TRENCHES WITHIN ROAD RIGHT-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
8. INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1971 REVISED EDITION.
9. DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIAL STANDARDS.
 60' RIGHT-OF-WAY, 35 M.P.H.
10. ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM 1929.



PLAN

Scale: 1" = 200'

AS-BUILT SURVEY DATA
BY WALTER PARK, MD. REG.
L.S. NO. 5589, SIGNED, SEALED
& DATED 4/4/82.

Department of Public Works
William S. R. [Signature] 12-4-81
Chief, Bureau of Engineering Date

Office of Planning and Zoning
John W. [Signature] 12-3-81
Chief, Div. of Land Develop. & Zoning Adm. Date

Date	No	Revision Description
------	----	----------------------

CORRIDOR INDUSTRIAL PARK
Section 2

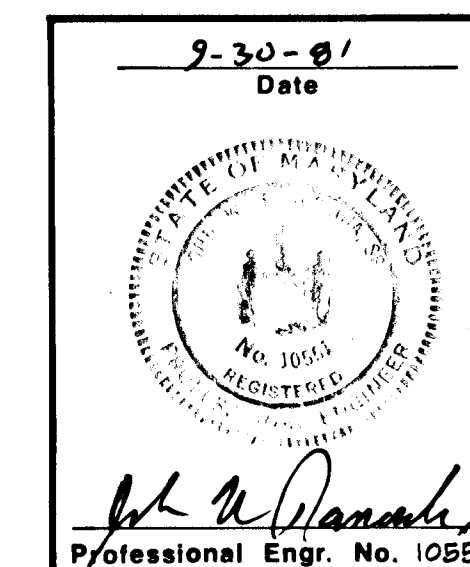
6th Election District Howard County, Maryland
Owner & Developer
The Columbia Industrial Development Corporation
The Rouse Company
Columbia, Maryland

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
TOWSON, MARYLAND 21204

AREA Tax Map 48
Part of Parcel 1B

COVER SHEET

Des By G.P.M.	Scale As Shown	Proj No 1081
Drn By J.D.C.	Date 8/24/81	Drawing No.
Chk By J.W.R.	Approved	1 OF 8



13' PAVEMENT

- OR -

10' PAVEMENT

1 1/2" Surface Course
1 1/2" Binder Course
5" Bituminous Base 2 Lifts
5" Crusher Run Sub Base

1 1/2" Band C-3	Final Phase
1 1/2" Band C-2	First Phase
5"	
5"	

Bituminous Concrete Surface
Bituminous Concrete Binder
Bituminous Concrete Base

1 1/2" Band C-3	Final Phase
3 1/2" Band C-2	First Phase
5"	
5" Band C-2 or C-3	

NOTE:
1. A tack coat is required in accordance with Section C-31-4 of the Howard Co. Road Construction Code and Specifications.
2. Base will be primed in accordance with Section C-30-3 of the Howard Co. Road Construction Code and Specifications.

CLEARING and GRADING
SUBGRADE
SUB-BASE COURSE
BASE COURSE
BINDER COURSE
SURFACE COURSE

ARTICLE C-1
C-2
C-25
C-31 or C-33
C-31 or C-33
C-31

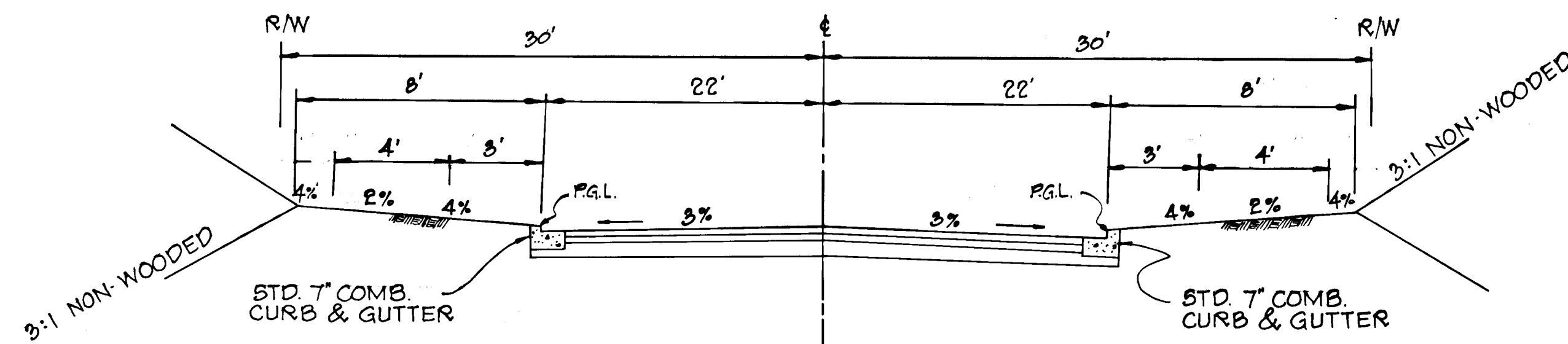
CLEARING and GRADING
SUBGRADE
BASE COURSE
BINDER COURSE
SURFACE COURSE

ARTICLE C-1
C-2
C-31 or C-33
C-31
C-31

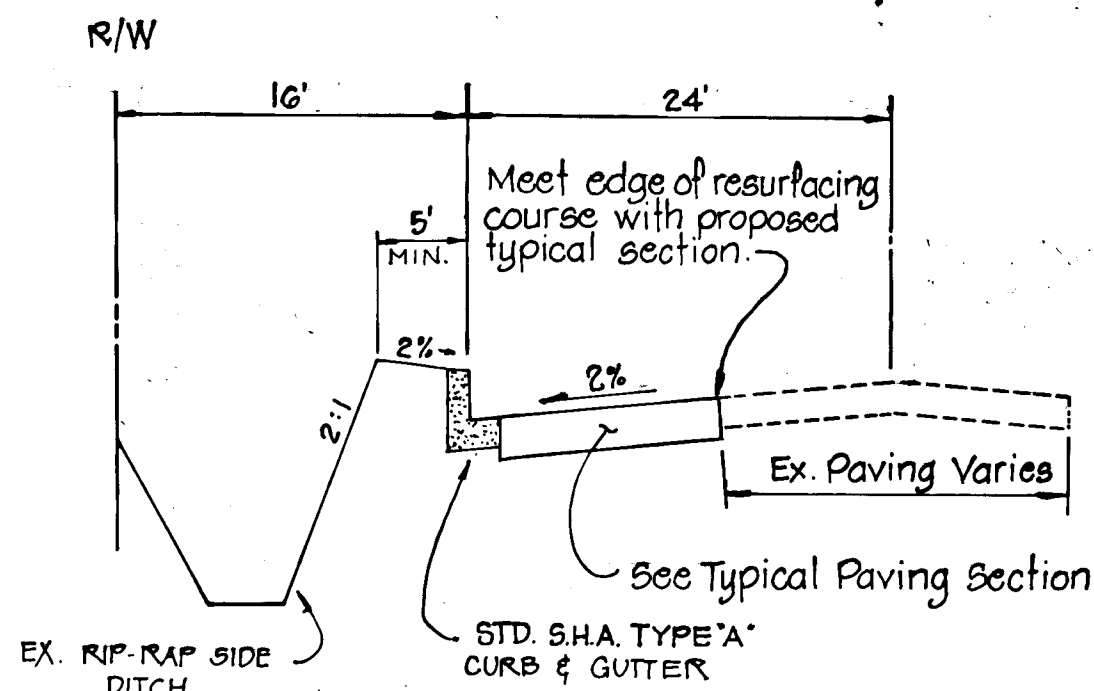
TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.

ZONING : M-2 PAVING SECTION : P-4

TYPICAL PAVING SECTION
BOLLMAN PLACE
Not to Scale

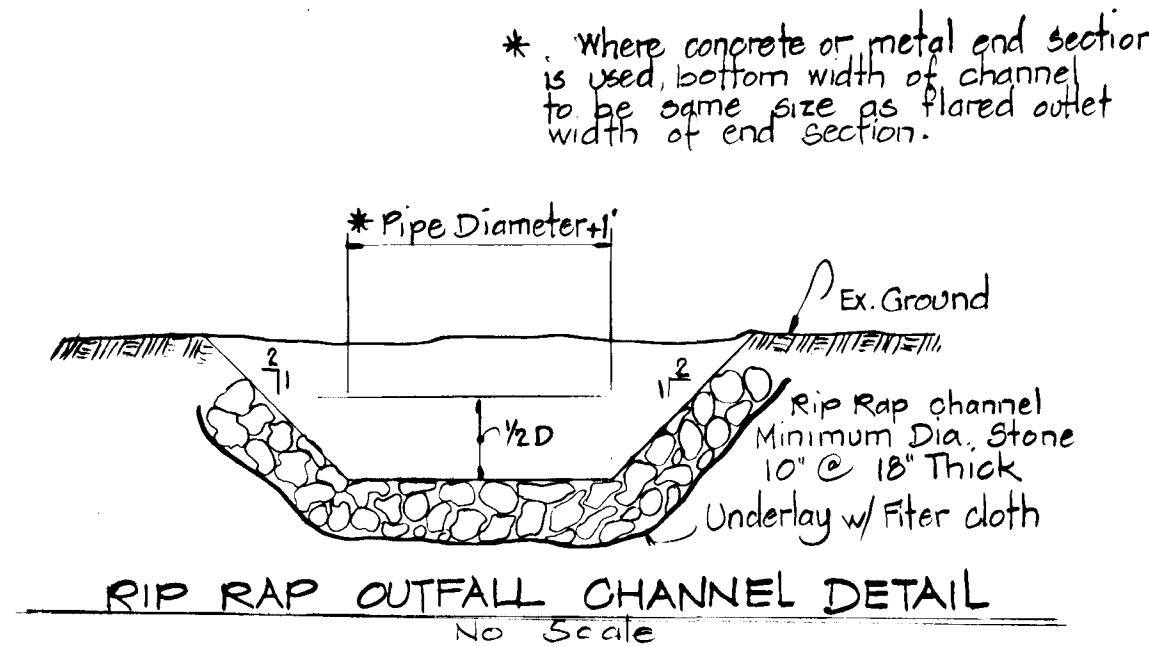


ZONING : M-2
Ho. Co. STD. DETAIL : R-1.04
60' R/W SECTION
DESIGN SPEED : 40 M.P.H.
NOT TO SCALE

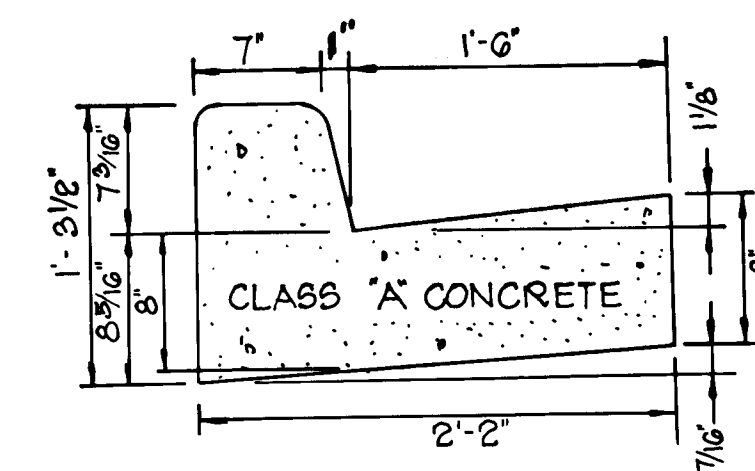


ROAD WIDENING SECTION
FRONTAGE ROAD 'B'
NOT TO SCALE

Maryland State Paving Section
Frontage Road "B" Widening
Not to Scale



RIP RAP OUTFALL CHANNEL DETAIL
Not to Scale



Ho. Co. Std. R-3.01
STD. 7" COMB. CURB & GUTTER
NOT TO SCALE

Department of Public Works	
<i>[Signature]</i> Chief, Bureau of Engineering	12-4-81 Date
Office of Planning and Zoning	
<i>[Signature]</i> Chief, Div. of Land Develop. and Zoning Adm.	12-3-81 Date

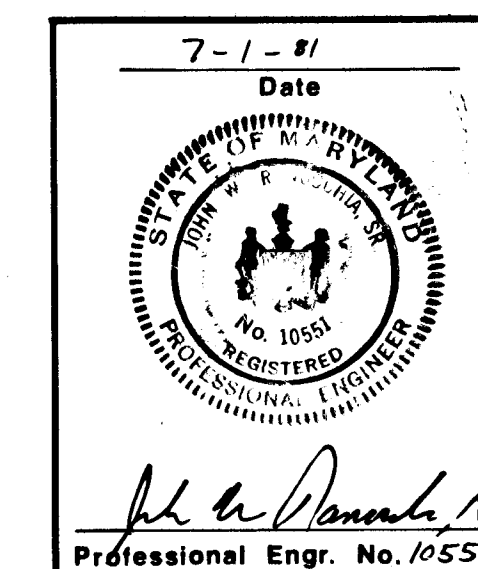
Date	No	Revision Description
CORRIDOR INDUSTRIAL PARK Section 2		
6th Election District Howard County, Maryland		
Owner & Developer The Columbia Industrial Development Corporation The Rouse Company Columbia, Maryland		

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
TOWSON, MARYLAND 21204

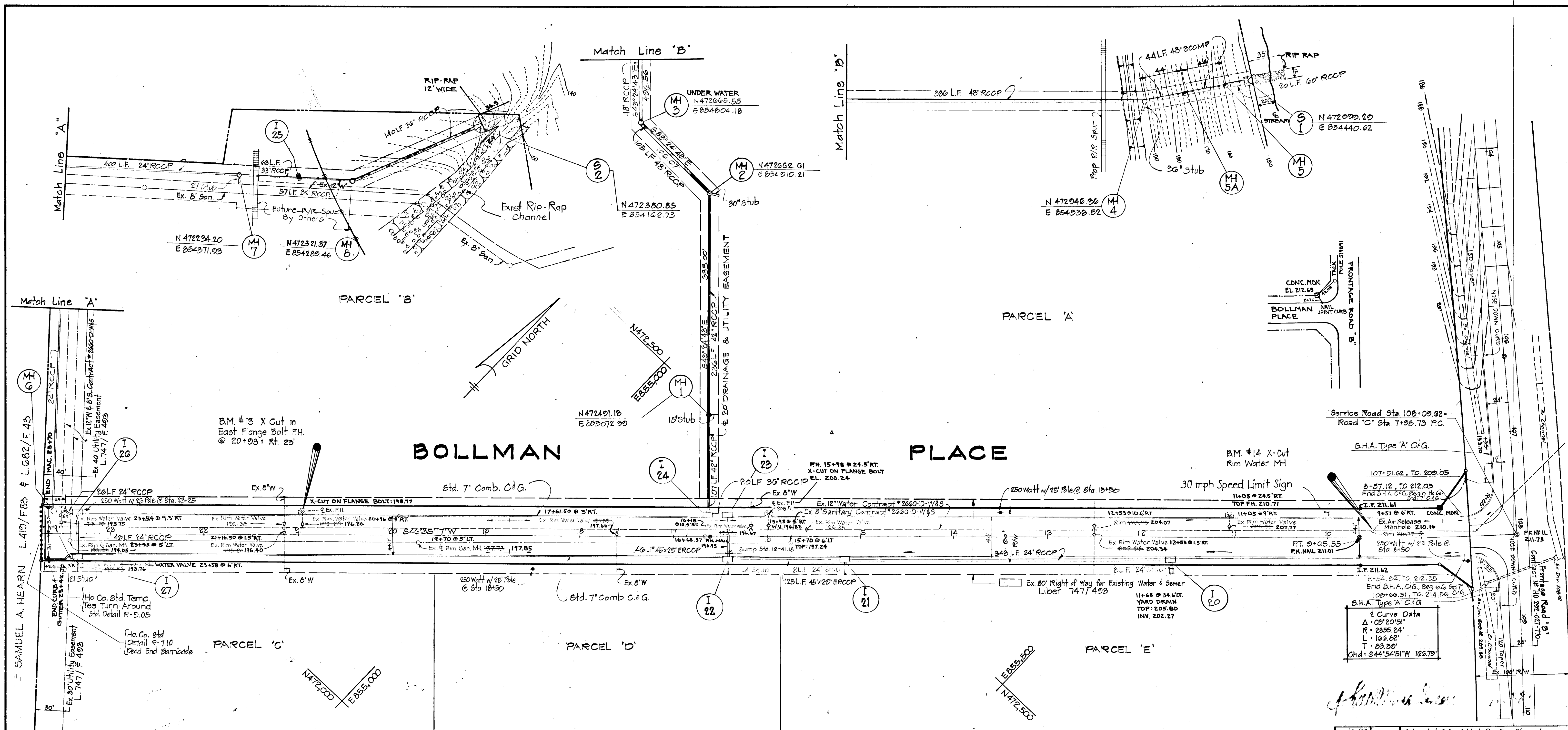
AREA Tax Map 4b Part of Parcel 1b

TITLE Detail Sheet

Des By G.P.M.	Scale As Shown	Proj No 1081
Drn By T.P.D.	Date March 18, 1981	Drawing No.
Chk By J.W.R.	Approved	2 OF 2



471



Date	No	Revision Description
1/29/82	2	Relocated S-2, Added Rip-Rap Channel
1/31/82	1	Relocated I-23 added MH 8 and Riv. Pipe Sizes I-23 to I-21

CORRIDOR INDUSTRIAL PARK
Section 2
8th Election District Howard County, Maryland
Owner & Developer
The Columbia Industrial Development Corporation
The Rouse Company
Columbia, Maryland

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
TOWSON, MARYLAND 21204

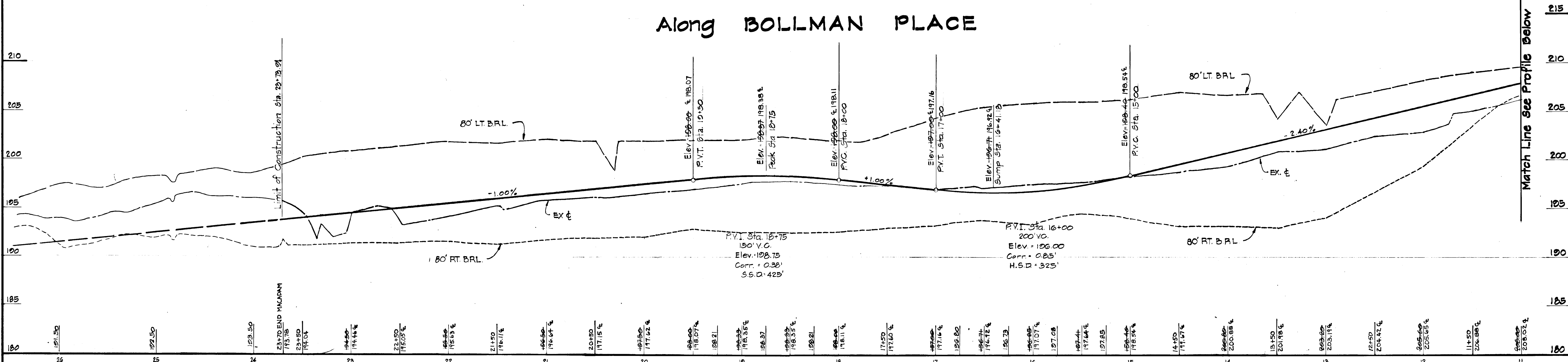
AREA	Tax Map 46 Part of Parcel 1b
TITLE	Road Plan
Des By	GPM
Scale	1" = 30'
Proj No	1081
Drn By	JDC
Date	6/18/81
Drw No	2 OF 2
Chk By	JWR
Approved	

Department of Public Works
12-4-81
Chief, Bureau of Engineering
Office of Planning and Zoning
12-3-81
Chief, Div. of Land Develop. & Zoning Adm.

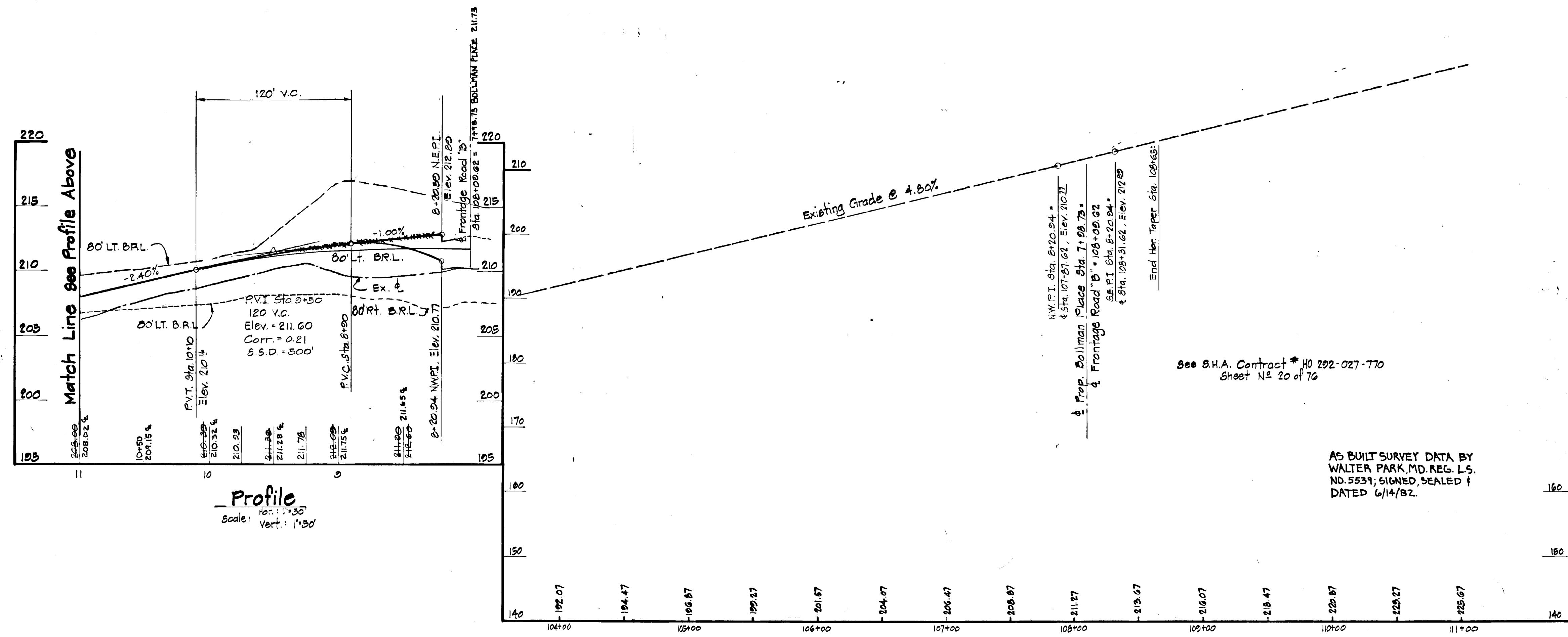
7-1-81
Date
Professional Engr. No. 14551

AS-BUILT SURVEY DATA
BY WATER PARK MD REG.
L.S. NO. 5537, SIGNED,
SEALED & DATED 6/14/82.

Along BOLLMAN PLACE

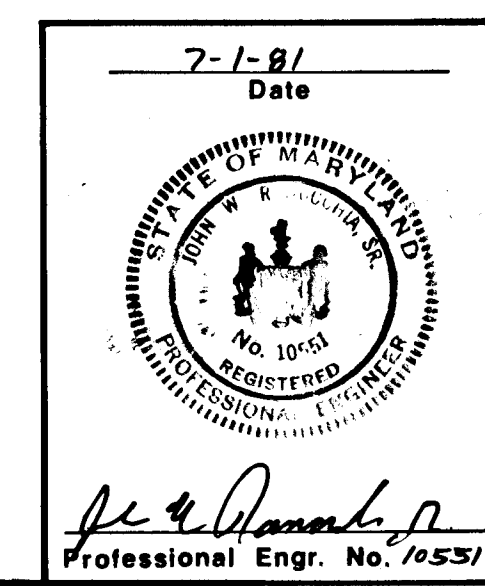


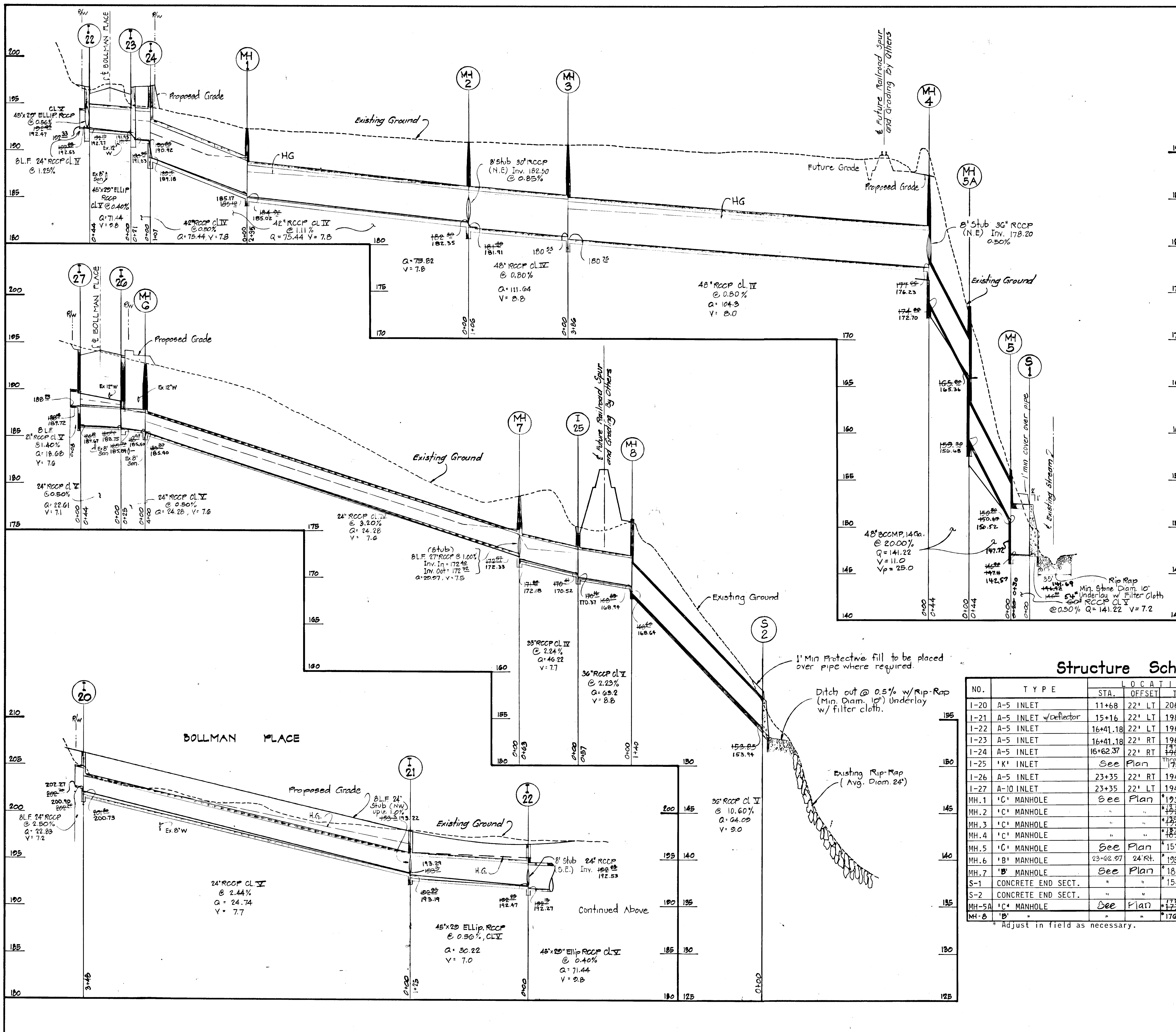
Profile
Scale: Hor. 1"=50'
Vert. 1"=5'



Profile Frontage Road "B"
Location of Tie-in for Bollman Place
Scale: Hor. 1"=50', Vert. 1"=10'

Department of Public Works	
<i>William E. Ray</i> Chief, Bureau of Engineering	12-4-81 Date
Office of Planning and Zoning	
<i>John M. ...</i> Chief, Div. of Land Develop. & Zoning Adm.	12-3-81 Date
Date	No
Revision Description	
CORRIDOR INDUSTRIAL PARK Section 2	
6th Election District Howard County, Maryland	
Owner & Developer Columbia Industrial Development Corporation The Rouse Company Columbia, Maryland	
CENTURY ENGINEERING, INC. CONSULTING ENGINEERS • PLANNERS TOWSON, MARYLAND 21204	
AREA Tax Map 4b Part of Parcel 10	
TITLE Road Profile	
Des By G.P.M.	Scale AS SHOWN
Drn By J.D.C.	Proj No 1081
Chk By J.W.R.	Date March 18, 1981
Professional Engr. No. 10537	Approved
	Drawing No. 4 OF 8





AS-BUILT SURVEY DATA BY
WALTER PARK MD. REG. L.S.
NO. 5537, SIGNED, SEALED
& DATED 6/14/82

AS-BUILT SURVEY DATA:
HOWARD CO. SURVEY DIVISION
4-20-94

Structure Schedule

NO.	TYPE	LOCATION		INV.	REMARKS
		STA.	OFFSET		
1-20	A-5 INLET	11+68	22' LT	206.40	HO. CO. STD. SD-4.01
1-21	A-5 INLET w/Deflector	15+16	22' LT	198.04	HO. CO. STD. SD-4.01
1-22	A-5 INLET	16+41.18	22' LT	196.74	HO. CO. STD. SD-4.01
1-23	A-5 INLET	16+41.18	22' RT	196.74	HO. CO. STD. SD-4.01
1-24	A-5 INLET	16+62.37	22' RT	196.67	HO. CO. STD. SD-4.01
1-25	'K' INLET	See Plan		170.00	HO. CO. STD. SD-4.13
1-26	A-5 INLET	23+35	22' RT	194.14	HO. CO. STD. SD-4.01
1-27	A-10 INLET	23+35	22' LT	194.14	HO. CO. STD. SD-4.02
MH. 1	'C' MANHOLE	See Plan		193.58	HO. CO. STD. SD-3.04
MH. 2	'C' MANHOLE	"	"	182.58	HO. CO. STD. SD-3.04
MH. 3	'C' MANHOLE	"	"	182.00	HO. CO. STD. SD-3.04
MH. 4	'C' MANHOLE	"	"	180.24	HO. CO. STD. SD-3.04
MH. 5	'C' MANHOLE	See Plan		157.88	HO. CO. STD. SD-3.04
MH. 6	'B' MANHOLE	23+62.07	24 RT.	193.77	HO. CO. STD. SD-3.03
MH. 7	'B' MANHOLE	See Plan		180.84	HO. CO. STD. SD-3.01
S-1	CONCRETE END SECT.	"	"	154.00	HO. CO. STD. SD-5.51
S-2	CONCRETE END SECT.	"	"	153.85	HO. CO. STD. SD-5.51
MH-5A	'C' MANHOLE	See Plan		173.14	HO. CO. STD. SD-3.04
MH-8	'B'	"	"	170.34	HO. CO. STD. SD-3.03

* Adjust in field as necessary.

Department of Public Works
William S. P... 12-4-81
 Chief, Bureau of Engineering Date

Office of Planning and Zoning
John M. ... 12-3-81
 Chief, Div. of Land Develop. & Zoning Adm. Date

Date	No.	Revision Description
1/27/82	2	MH-8 to S-2 (existing ground pipe grade)
1/5/82	1	MH-1 to S-2; MH-7 to I-27; I-22 to I-21

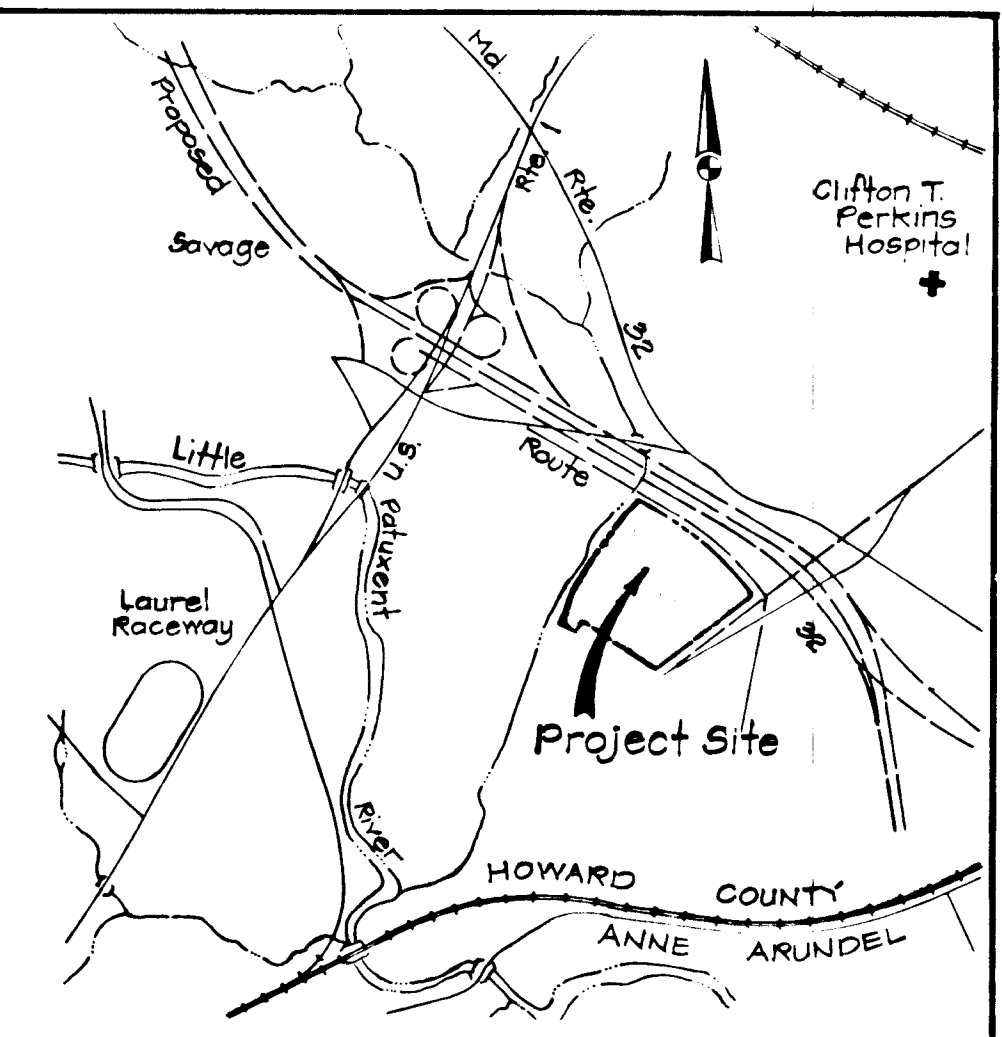
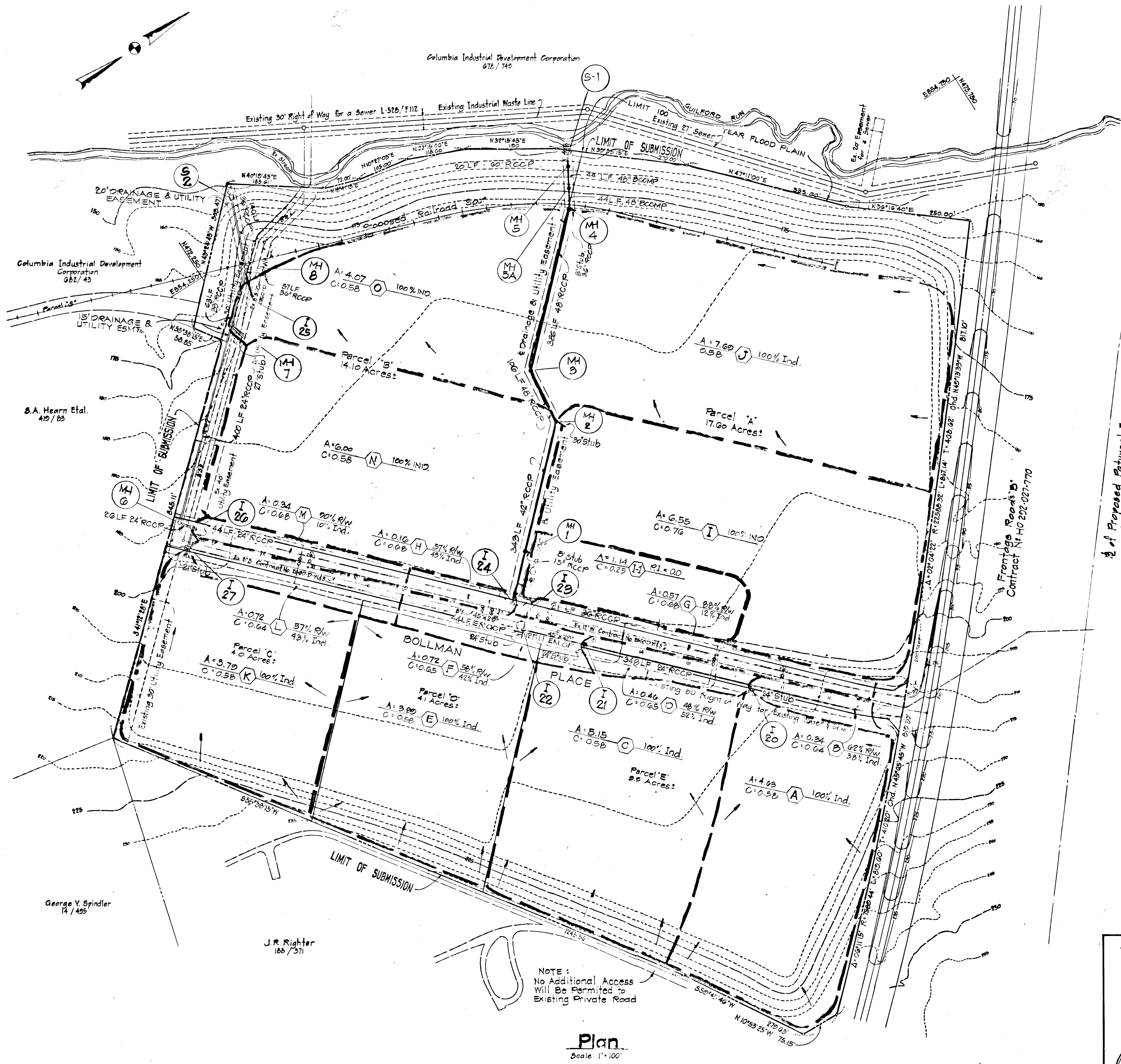
CORRIDOR INDUSTRIAL PARK
 Section 2
 6th Election District Howard County, Maryland
 Owner & Developer
 The Columbia Industrial Development Corporation
 The Rouse Company
 Columbia, Maryland

CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS • PLANNERS
 TOWSON, MARYLAND 21204

AREA: Tax Map 46 Part of Parcel 16

TITLE: **STORM DRAIN PROFILES**

Des By J.D.C.	Scale: Hor. 1"=50'	Proj No 1001
Drn By J.D.C.	Vert. 1"=5'	
Chk By G.P.M.	Date 8/24/81	Drawing No. 5 OF 8
Approved		



Vicinity Map
Scale: 1" = 200'

- General Notes**
- Existing Zoning - M-2
 - Topography taken from maps supplied by Maps, Inc.
 - Sewer and Water systems are available for hookup.
 - All property lines shown are taken from property survey supplied by Purdom and Jeschke.
 - LEGEND:
 - Property Line
 - Existing 25' Contour
 - Existing 5' Contour
 - Existing Sewer
 - Existing Water
 - Proposed Contour
 - Proposed Curbing

1/2 of Proposed Patuxent Freeway
(Under Construction)

Department of Public Works

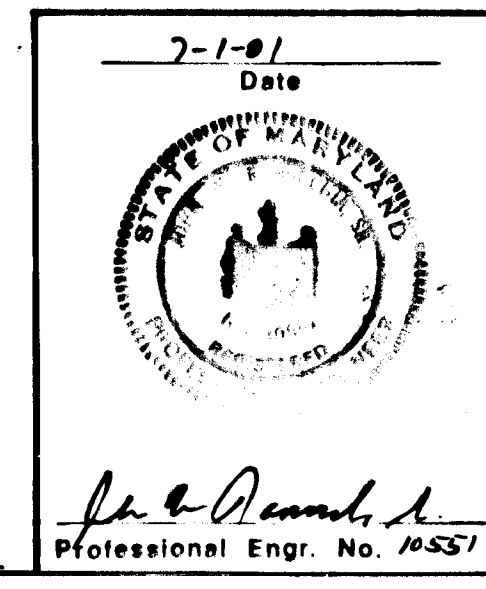
William E. Ryan 12-4-81
Chief, Bureau of Engineering Date

Office of Planning and Zoning
Shullman 12-3-81
Chief, Div. of Land Develop. & Zoning Adm. Date

Date	No	Revision Description
1/20/82	2	Relocated S-2
1/5/82	1	Relocated I-25, added MH-B and New Pipe Sizes I-25 to I-21

CORRIDOR INDUSTRIAL PARK
Section 2
6th Election District Howard County, Maryland
Owner & Developer
The Columbia Industrial Development Corporation
The Rouse Company
Columbia, Maryland

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS • PLANNERS
TOWSON, MARYLAND 21204



AREA Tax Map 46 Part of Parcel 16

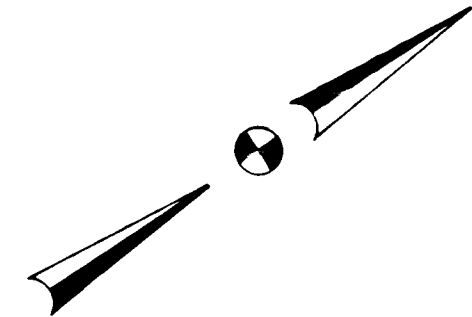
TITLE **DRAINAGE AREA MAP**

Des By G.P.M.	Scale As Shown	Proj No 1081
Drawn By J.D.C.	Date March 18, 1981	Drawing No. 6 OF 8
Chk By J.W.R.	Approved	

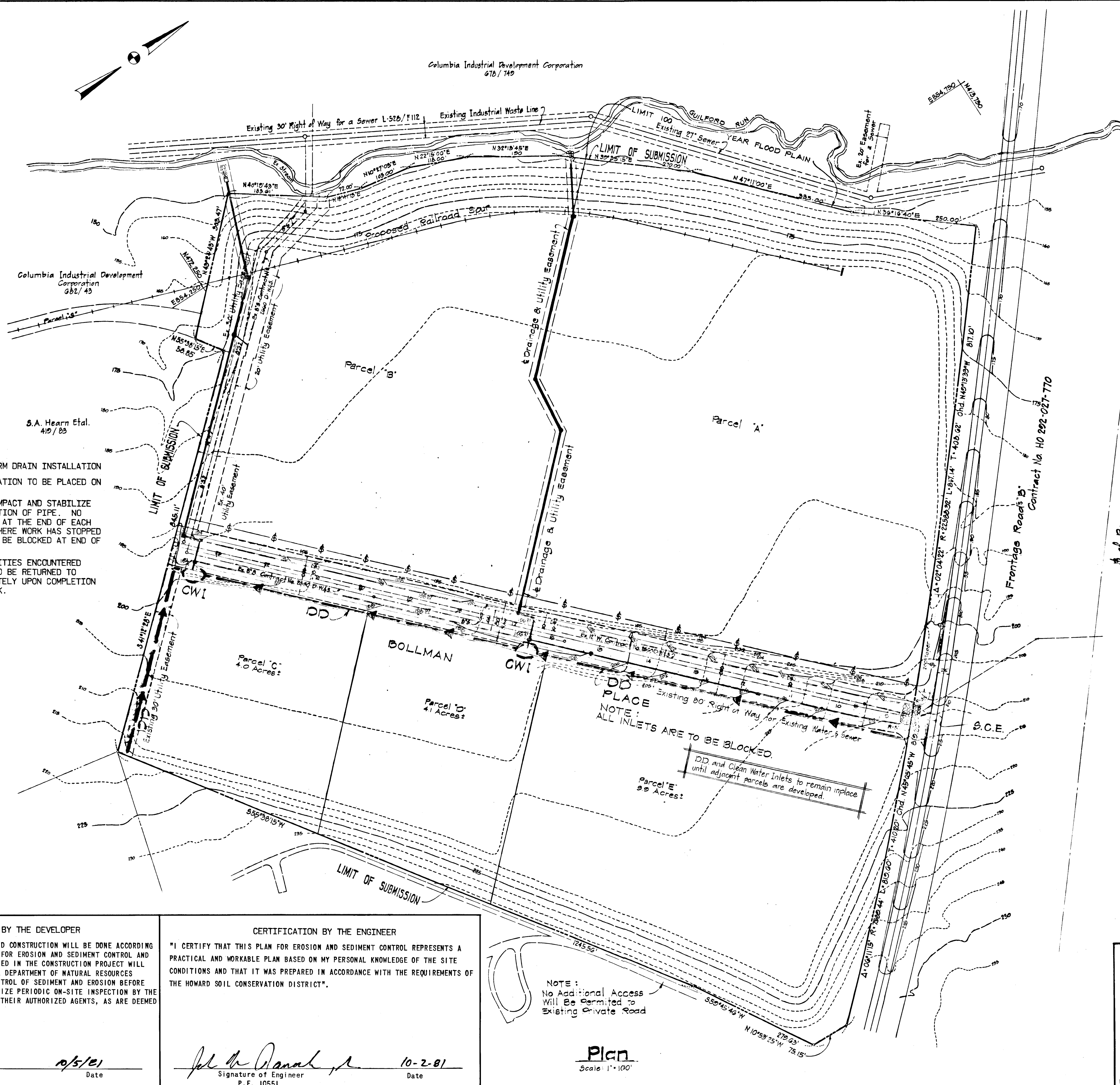
NOTE:
No Additional Access
Will Be Permitted to
Existing Private Road

Plan
Scale 1" = 100'

#471



Columbia Industrial Development Corporation
678/749

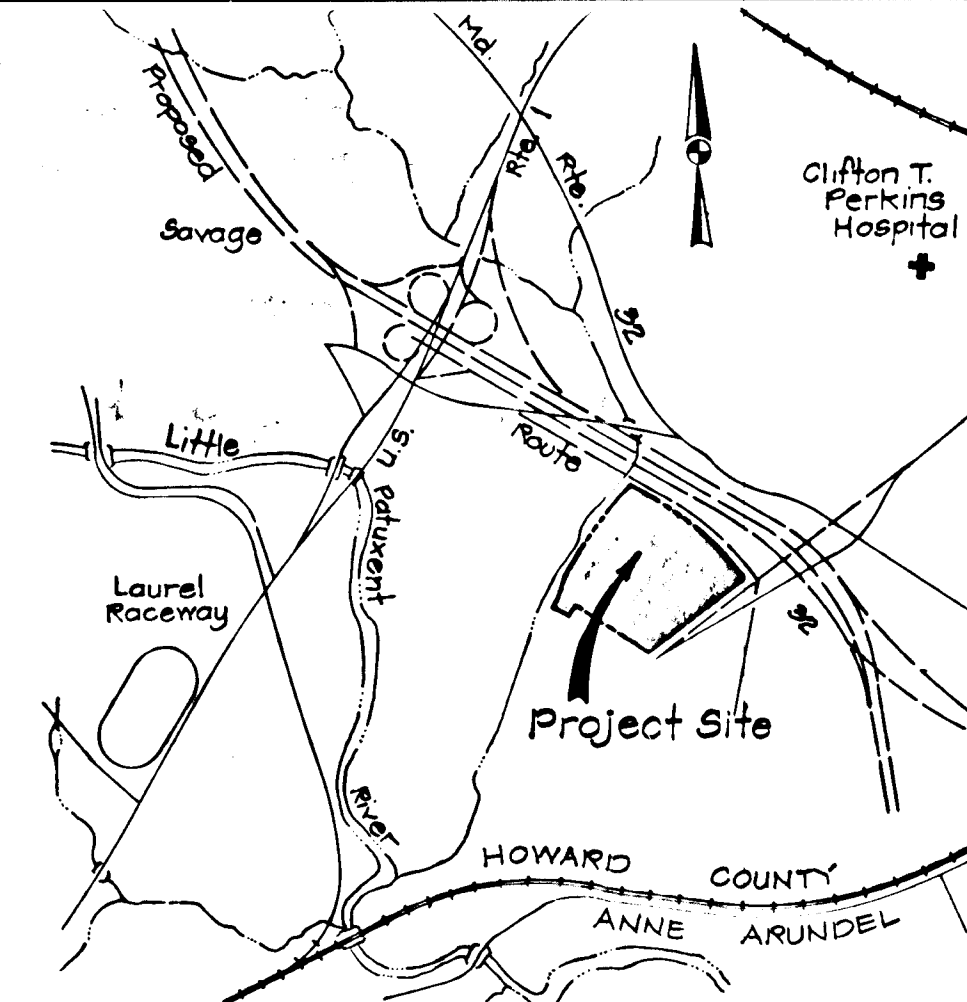


SEDIMENT CONTROL NOTES FOR STORM DRAIN INSTALLATION

1. MATERIAL FROM TRENCH EXCAVATION TO BE PLACED ON UPHILL SIDE OF TRENCH.
2. CONTRACTOR TO BACKFILL, COMPACT AND STABILIZE IMMEDIATELY AFTER INSTALLATION OF PIPE. NO TRENCHES WILL BE LEFT OPEN AT THE END OF EACH DAY, EXCEPT THAT PORTION WHERE WORK HAS STOPPED UPSTREAM. END OF PIPE TO BE BLOCKED AT END OF EACH DAY.
3. ANY SEDIMENT CONTROL FACILITIES ENCOUNTERED DURING PIPE CONSTRUCTION TO BE RETURNED TO ORIGINAL CONDITION IMMEDIATELY UPON COMPLETION OF THAT PORTION OF THE WORK.

NOTE:
ALL INLETS ARE TO BE BLOCKED
DD and Clean Water Inlets to remain in place until adjacent parcels are developed.

NOTE:
No Additional Access Will Be Permitted to Existing Private Road



Vicinity Map
Scale: 1"=2000'

- General Notes**
1. Existing Zoning -
 2. Topography taken from maps supplied by Maps, Inc.
 3. Sewer and Water systems are available for hookup.
 4. All property lines shown are taken from property survey supplied by Purdum and Jeschke.
 5. LEGEND:

---	Property Line
---	Existing 25' Contour
---	Existing 5' Contour
---	Existing Sewer
---	Existing Water
---	Proposed Contour
---	Proposed Curbing

These Plans for soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

Approved: *William T. P...* 12-2-81
Howard S.C.D. Date

These Plans have been reviewed for the Howard Soil Conservation District and meets the Technical Requirements for soil erosion and sediment control.

J. Helms 12-2-81
U.S. Soil Conservation Service Date

Department of Public Works

William E. Ray 12-4-81
Chief, Bureau of Engineering Date

Office of Planning and Zoning

John M. Macdonald 12-3-81
Chief, Div. of Land Develop. & Zoning Adm. Date

Date	No	Revision Description

CORRIDOR INDUSTRIAL PARK
Section 2
6th Election District Howard County, Maryland
Owner & Developer
The Columbia Industrial Development Corporation
The Rouse Company
Columbia, Maryland

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
TOWSON, MARYLAND 21204

AREA: Tax Map 48 Part of Parcel 16

TITLE: **SEDIMENT CONTROL PLAN**

Des By	G.P.M.	Scale	As Shown	Proj No	1981
Drn By	J.D.C.	Date	March 18, 1981	Drawing No.	7 OF 8
Chk By	J.W.R.	Approved			

7-1-81
Date

William E. Ray
Professional Engr. No. 12345

CERTIFICATION BY THE DEVELOPER
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

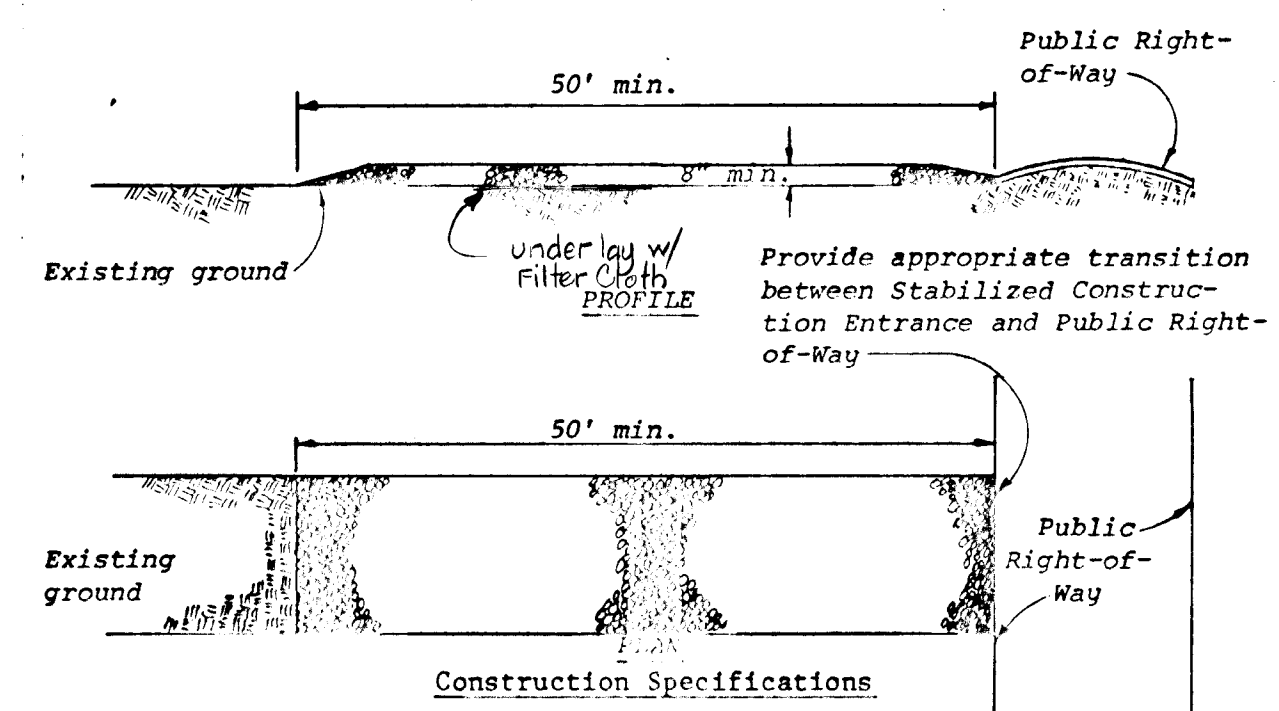
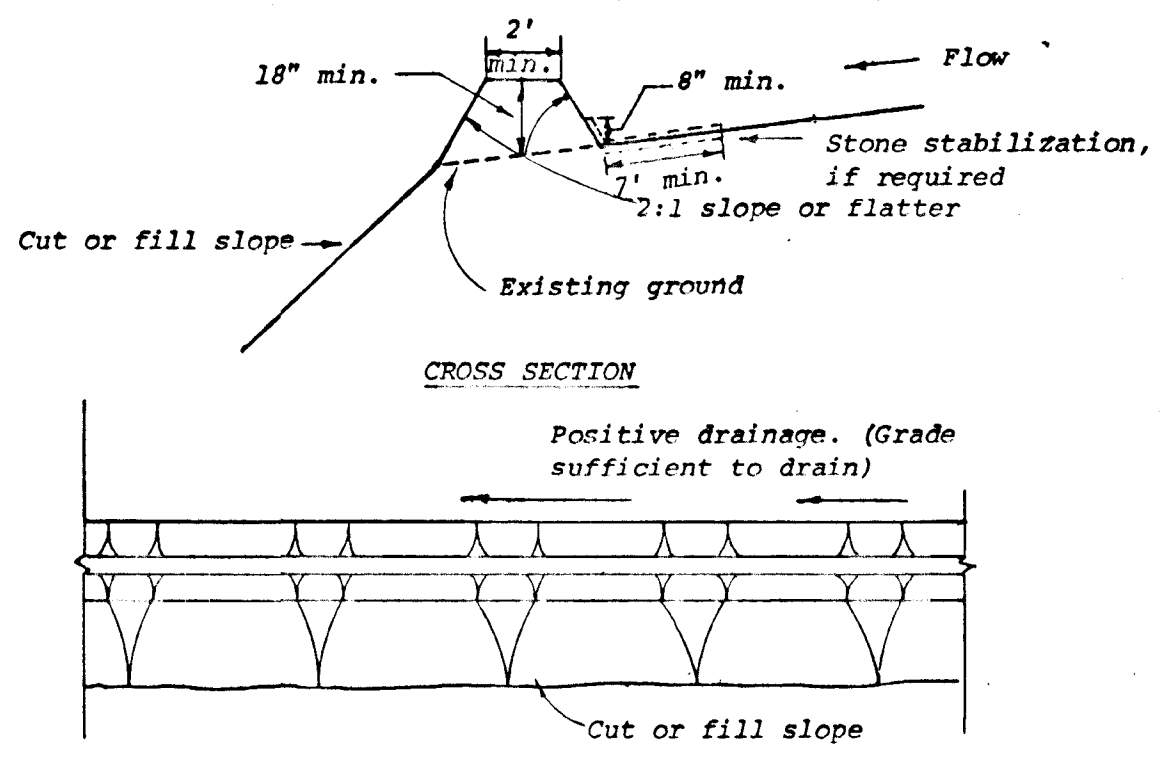
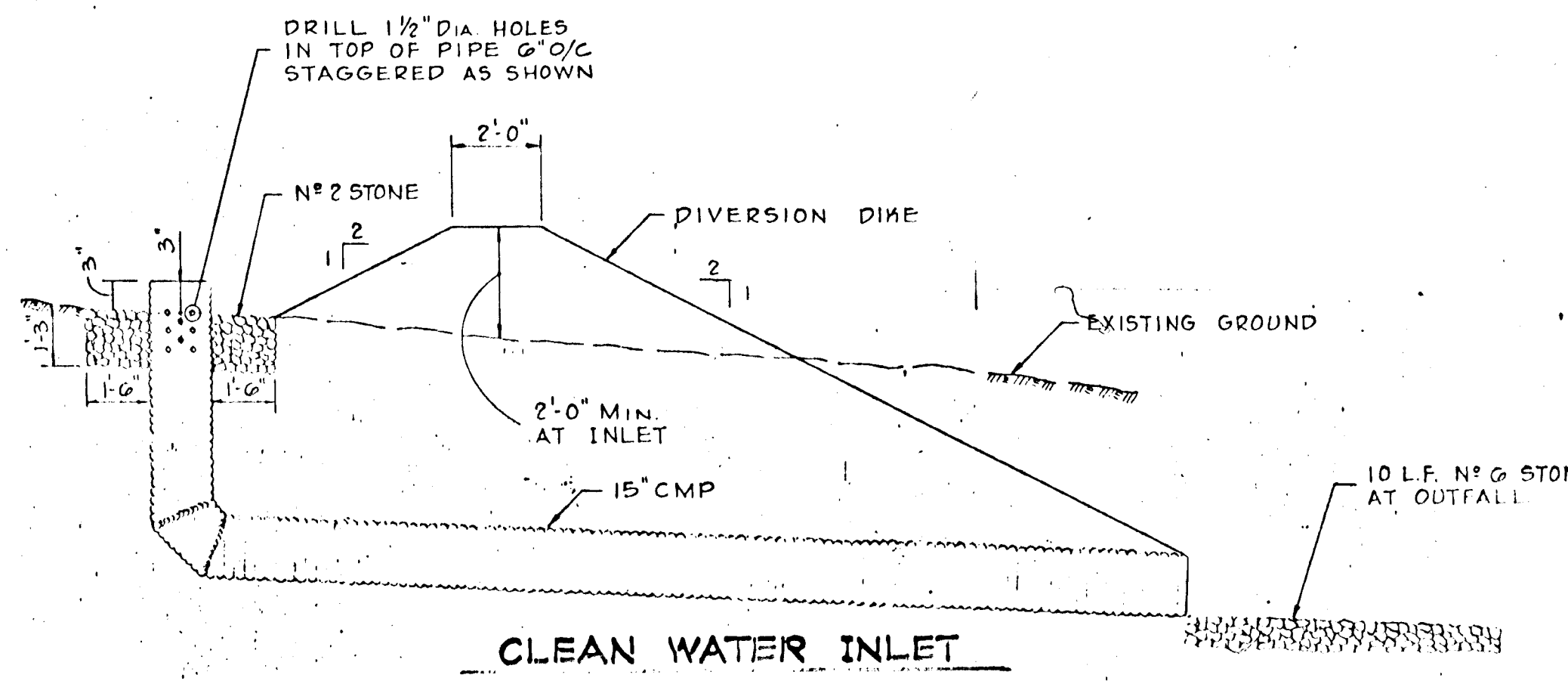
William E. Ray 12/5/81
Signature of Developer Date

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 M. Macdonald 10-2-81
Signature of Engineer Date
P.E. 10551

Plan
Scale: 1"=100'

#471



Reviewed for HOWARD Name S.C.D.
and meets Technical Requirements
Date 12-2-81
Signature [Signature]
U.S. Soil Conservation Service

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

Director [Signature] Date 12-2-81
Chief, Bureau of Engineering

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Planning Director [Signature] Date 12-3-81
Chief, Div. of Land Develop. & Zoning Adm.

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

County Health Officer _____ Date _____

THESE PLANS HAVE BEEN REVIEWED BY THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

[Signature] Date 12-2-81
Howard County
Soil Conservation District.

CERTIFICATION BY THE DEVELOPER:

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT AND PLANS FOR PONDS AND 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 THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] Date 10/5/81
Signature of Developer

CERTIFICATE 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".

[Signature] Date 10/2/81
Gregory R. Klar 1432

ACCEPTED AND APPROVED FOR CONSTRUCTION BY:

OWNER: _____ DATE: _____
CONTRACTOR: _____ DATE: _____

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
TOWSON, MARYLAND 21204

AREA Tax Map 48 Part of Parcel 18

SEDIMENT CONTROL PLAN

Des By G.P.M. Scale As Shown Proj No 1081
Dwn By J.D.C. Date March 10, 1981 Drawing No. B Of B
Chk By J.W.R. Approved

AS-BUILT JAN. 25, 1983

- Construction Specifications.**
- All dikes shall be machine compacted.
 - All diversion dikes shall have positive drainage to an outlet.
 - A. Diverted runoff from a protected or stabilized area shall outlet directly to an undisturbed stabilized area or into a level spreader or grade stabilization structure.
B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as a sediment trap or a sediment basin or to an area protected by any of these practices.
 - Stabilization, as specified by the plans, shall be: (1) in accordance with Standard and Specifications for Grassed Waterway, and the area to be stabilized shall be the channel (flow area); or (2) the flow area shall be lined with stone that meets MSHA size No. 2 or AASHTO M43 size No. 2 or 24 which is placed in a 3 inch thick layer and pressed into the soil. The area covered by the stone shall be as shown on the drawing above.
 - Periodic inspection and required maintenance shall be provided.

- Stone size - Use MSHA size No. 2 (2-1/2" to 1") or AASHTO designation M43, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
- Length - As effective, but not less than 50 feet.
- Thickness - Not less than eight (8) inches.
- Width - Not less than full width of all points of ingress or egress.
- Washing - When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards or other approved methods.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flooding of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.

DIVERSION DIKE
NO SCALE

STABILIZED CONSTRUCTION ENTRANCE
NO SCALE

GENERAL NOTES

- A MINIMUM 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (922-2070).
- ALL SEDIMENT CONTROL STRUCTURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AS PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
- SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- ALL DISTURBED AREAS ARE TO BE DRESSED AND STABILIZED ACCORDING TO THE TEMPORARY OR PERMANENT SEEDING SCHEDULES AS SOON AS PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER.
- SEDIMENT WILL BE REMOVED FROM TRAPS WHEN THE DEPTH REACHES THE CLEAN OUT ELEVATION SHOWN ON THE PLANS.
- FERTILIZER AND LIME RATES MAY BE CHANGED THROUGH AUTHORIZATION BY THE HOWARD SOIL CONSERVATION DISTRICT IF SOIL TESTS DETERMINE A REDUCTION IN THE SPECIFIED RATES IS JUSTIFIED.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- REFERENCES CALLED FOR ON THE SEDIMENT CONTROL CONSTRUCTION PLAN AND DETAILS ARE MADE TO THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS.
- EXISTING SEDIMENT CONTROL FACILITIES TO BE MAINTAINED DURING CONSTRUCTION.

SEQUENCE OF CONSTRUCTION

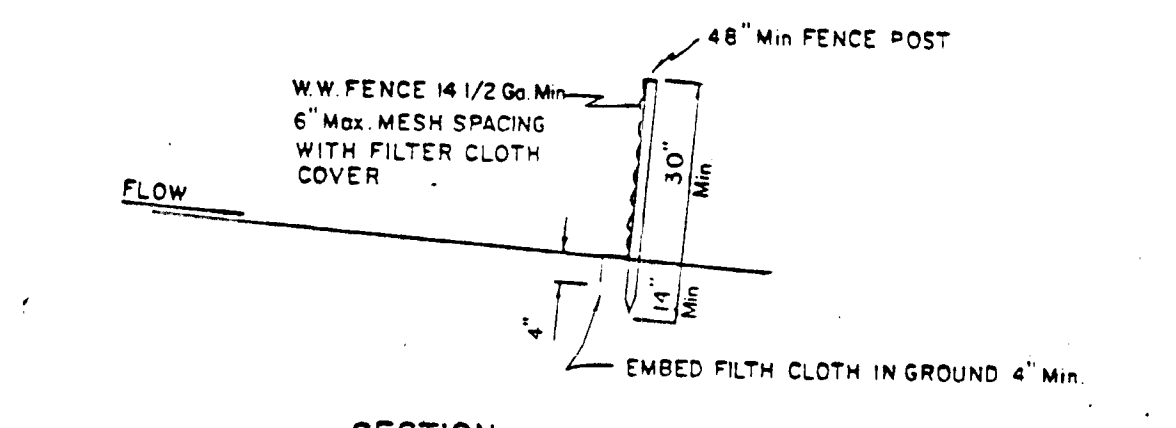
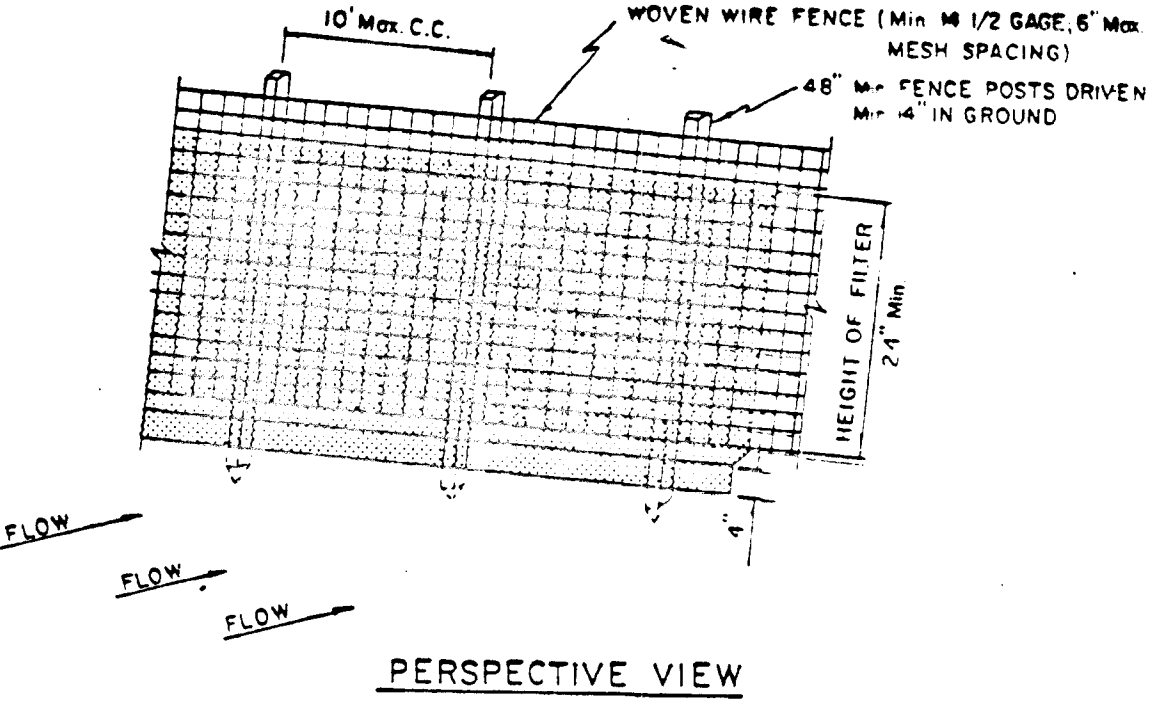
- OBTAIN A GRADING PERMIT.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE, AND SILT FENCE AS SHOWN ON PLAN.
- CONSTRUCT STORM DRAIN SYSTEMS AS SHOWN ON PLAN, BLOCK ALL INLETS AND PROVIDE CLEAN WATER INLETS AT PIPE STUBS PER DETAIL THIS SHEET.
- FINE GRADE AND PAVE ROADWAY AND REMOVE STABILIZED CONSTRUCTION ENTRANCE.
- UPON APPROVAL BY THE HOWARD SOIL CONSERVATION DISTRICT, BLOCK STUBS AT CLEAN WATER INLETS AND BACKFILL TO FINISHED GRADE. UNBLOCK ALL INLETS AND REMOVE ALL SILT FENCES AND DIVERSION DIKES.
- STABILIZE ALL DISTURBED AREAS PER PERMANENT SEEDING NOTES.

TEMPORARY SEEDING

- AREA TO BE SEED SHALL BE RECENTLY LOOSENEED. IF THE GROUND IS PACKED, CRISTED OR HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENEED, BY BACKING OR OTHER ACCEPTABLE MEANS.
- APPLY 10-20-10 FERTILIZER (OR EQUIVALENT) AT THE RATE OF 15 LBS. PER 1000 SQ. FT.
 - WHERE SOIL IS KNOWN TO BE HIGHLY ACID, APPLY DOLOMITIC LIMESTONE AT THE RATE OF 1 TON PER ACRE.
 - WORK BOTH INTO SOIL AND SEED WITH CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER (SLURRY WILL INCLUDE SEED AND FERTILIZER) AT THE RATE OF 40 LBS. PER ACRE OF ITALIAN OR PERENNIAL RYEGRASS.
 - MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.

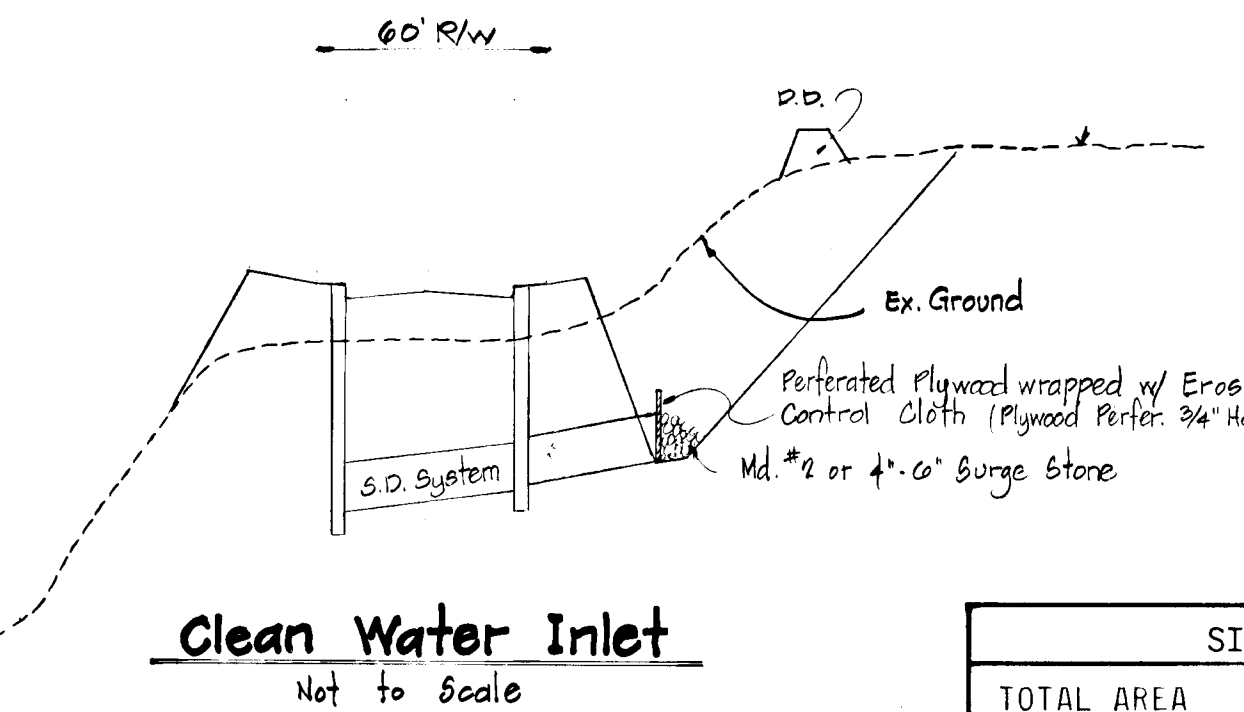
PERMANENT SEEDING

- FINAL STABILIZATION WILL TAKE PLACE AS SOON AS POSSIBLE AS WEATHER CONDITIONS PERMIT, AS FOLLOWS:
- APPLY DOLOMITIC LIMESTONE AT THE RATE OF 2 TONS PER ACRE (ONE TON PER ACRE IF APPLICATION OF 2 TON PER ACRE WAS MADE FOR TEMPORARY SEEDING).
 - APPLY 0-20-20 FERTILIZER AT THE RATE OF 600 LBS. PER ACRE. HARRON OR DISC LIME AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3" LAWS OR HIGH MAINTENANCE AREAS WILL BE DRAGGED AND LEVELED WITH A YORK RAKE. AT THE TIME OF SEEDING APPLY 400 POUNDS OF 30-0-0 UREA-TYPE FERTILIZER AND 500 LBS. OF 30-20-20 OR EQUIVALENT FERTILIZER PER ACRE.
 - SEED WITH A MIXTURE OF CERTIFIED "MERION" KENTUCKY BLUEGRASS AT 40 LBS. PER ACRE; COMMON KENTUCKY BLUEGRASS AT 40 LBS. PER ACRE; RED FESCUE, PENNLANH OR JAMESTOWN AT 20 LBS. PER ACRE.
 - MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.
 - SEED ALL SLOPES WITH A MIXTURE OF CERTIFIED KENTUCKY 31 TALL FESCUE AT 50 LBS. PER ACRE AND IMBROLIATED KOPPAN LESPEDeza AT 15 LBS. PER ACRE.

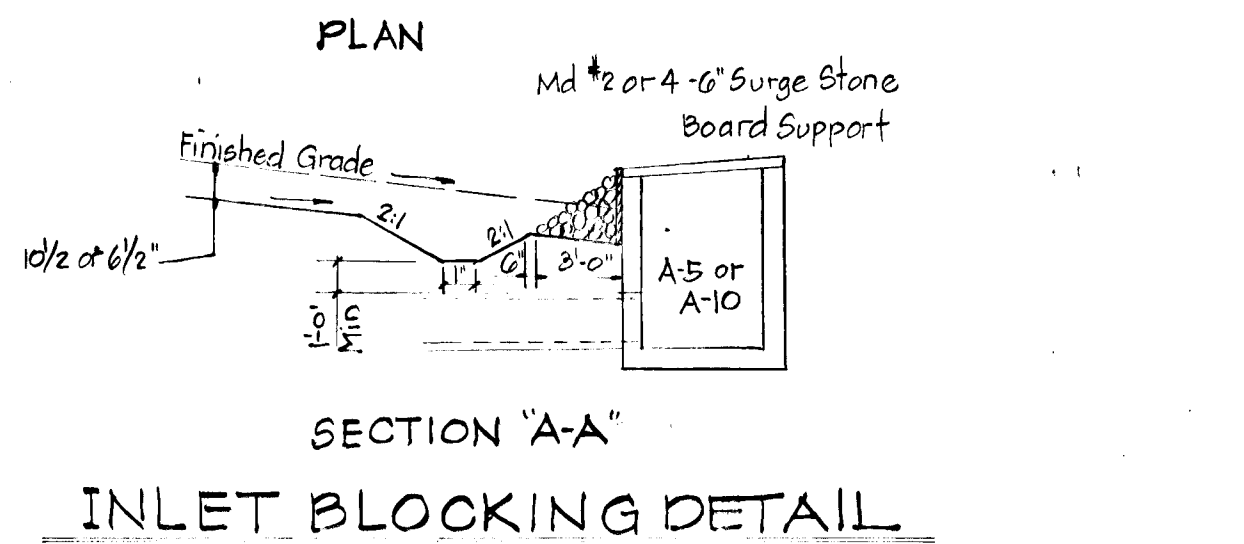
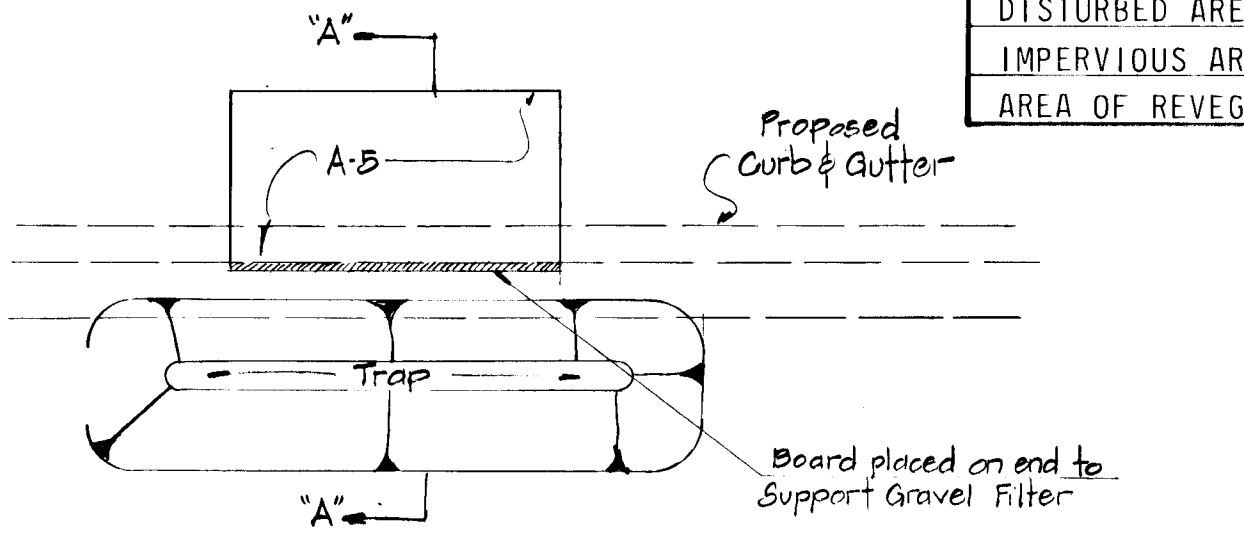


- CONSTRUCTION NOTES**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH WIRE TIES SPACED EVERY 24" AT TOP AND MID SECTION
 - SEE STEP BY STEP PROCEDURE ON BACK OF THIS SHEET.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 14 1/2 Gg. Max 6" MESH OPENING
FILTER CLOTH: FILTER X, MIRIFIL 100X, LAUREL EROSION CONTROL CLOTH BIDIM, POLYFILTER X OR EQUAL
- *DRAINAGE AREA LESS THAN 1/2 ACRE

SILT FENCE
NO SCALE



SITE ANALYSIS	
TOTAL AREA	50.7 AC.
DISTURBED AREA	2.16 AC.
IMPERVIOUS AREA	1.88 AC.
AREA OF VEGETATION	0.58 AC.



DEPARTMENT OF PUBLIC WORKS
CHIEF, BUREAU OF ENGINEERING DATE
DEPARTMENT OF PLANNING AND ZONING
CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION DATE

9-30-81 Date
Professional Eng. No. 10551