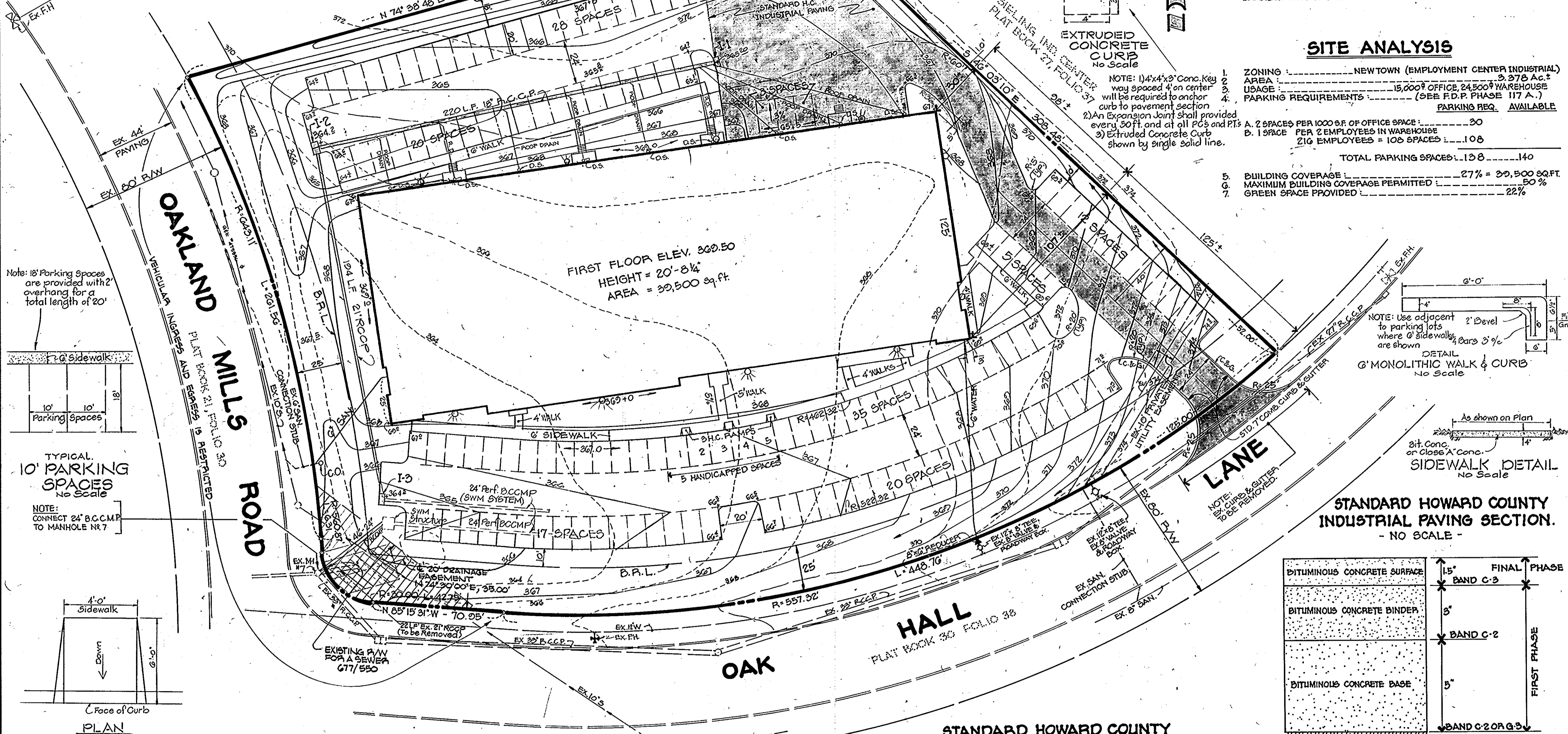
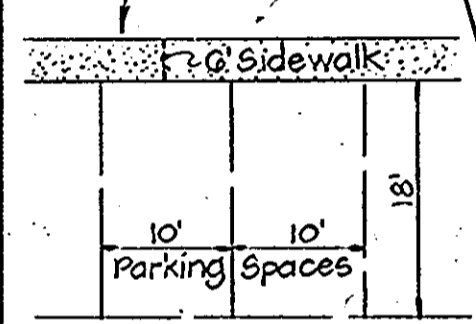


**FRONT ELEVATION**  
Scale: Horiz. 1"=30'  
Vert. 1"=10'

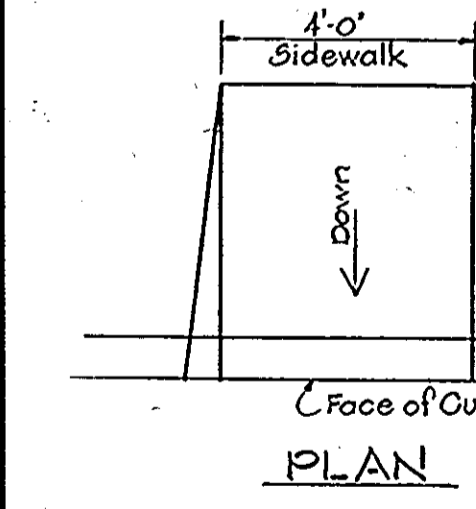


Note: 18' Parking Spaces are provided with 2' overhang for a total length of 20'

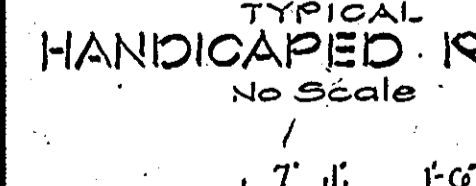


**TYPICAL 10' PARKING SPACES**  
No Scale

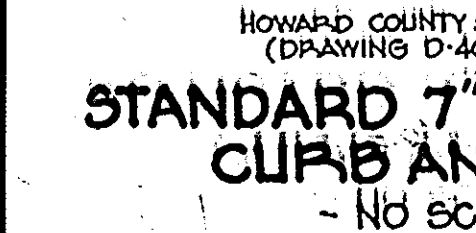
NOTE: CONNECT 24" B.C.C.M.P. TO MANHOLE NR 7



**TYPICAL 4' SIDEWALK**  
No Scale



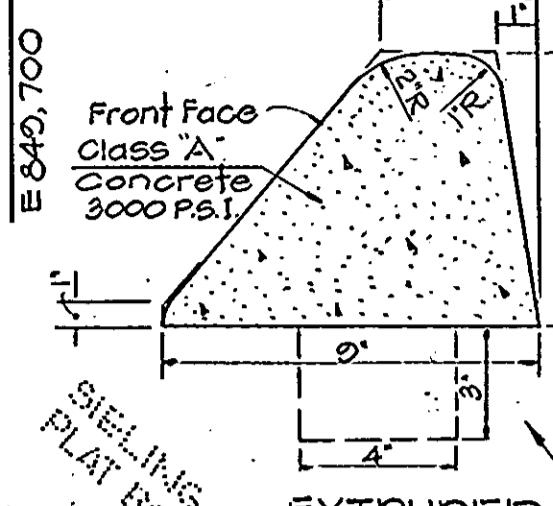
**TYPICAL HANDICAPPED RAMP**  
No Scale



**STANDARD 7" COMBINATION CURB AND GUTTER**  
No Scale

NOTE: STANDARD 7" COMB. CURB & GUTTER SHOWN ON PLAN AS: C-3 & G-3

STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-1	3" COMB.	---	362.20	363.80	HOWARD CO. STAND. D-22
I-2	5" COMB.	361.10	360.85	364.80	HOWARD CO. STAND. D-22
I-3	5" COMB.	358.85	358.85	365.10	HOWARD CO. STAND. D-22
M-7	EX. MH.	358.00	357.45	---	EXIST. HOWARD CO. STD. D-103

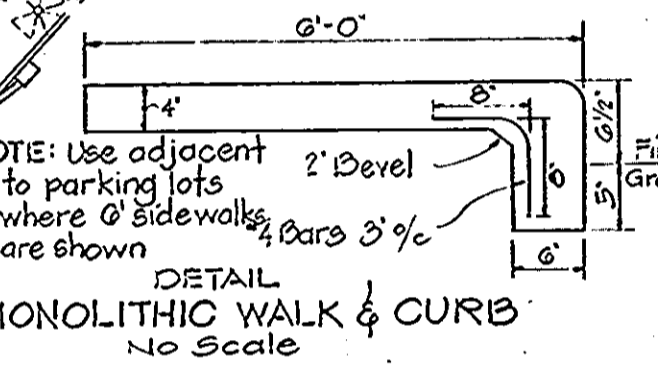


**EXTRUDED CONCRETE CURB**  
No Scale

NOTE: 1) 4"x4"x3" Conc. Key way spaced 4" on center will be required to anchor curb to pavement section  
2) An Expansion Joint shall be provided every 30 ft. and at all P.C.s and P.T.s  
3) Extruded Concrete Curb shown by single solid line.

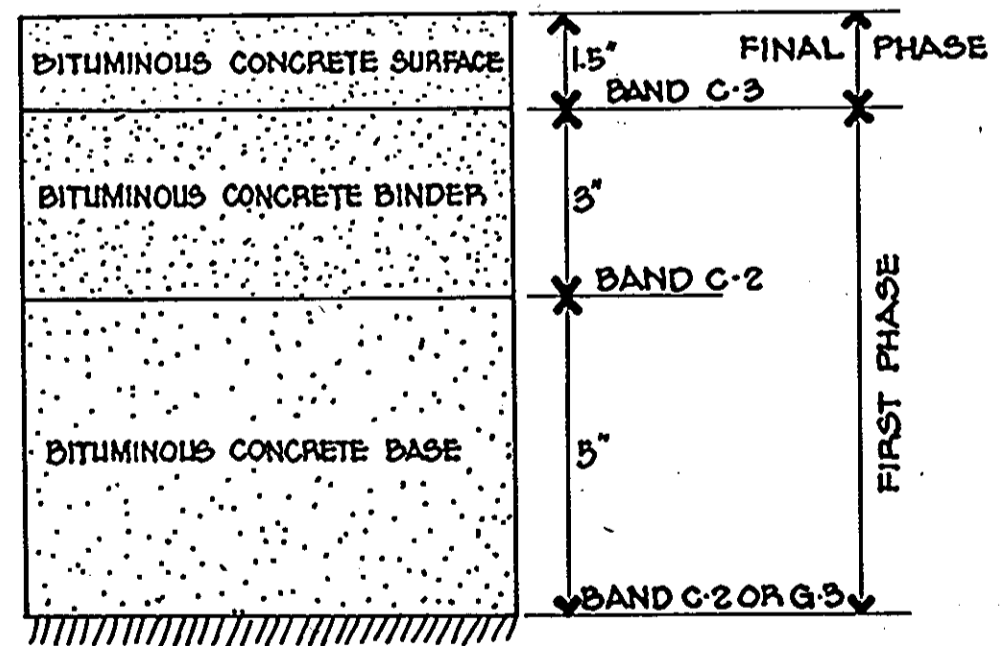
- GENERAL NOTES**
- THIS SITE IS NOT WITHIN 100 YEAR FLOOD PLAIN.
  - ALL HANDICAPPED PARKING SHALL BE CLEARLY MARKED AS FOLLOWS: "RESERVED FOR PHYSICALLY HANDICAPPED PERSONS"
  - ALL ROADWAYS AND PARKING AREAS ARE TO BE PRIVATELY OWNED AND MAINTAINED.
  - PUBLIC WATER AND SEWER SHALL BE UTILIZED.
  - MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE.
  - INSTALLATION OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 1971 REVISED EDITION.
  - FOR FURTHER CRITERIA, SEE FINAL DEVELOPMENT PLAN PHASE 17 A, FOR THE SIELING INDUSTRIAL CENTER, SECTION I, AREA I, RECORDED IN PLAT BOOK 20 FOLIO 208 ON MAY 18, 1975, HOWARD COUNTY, MD.
  - DETAILS OF SITE LIGHTING ARE PROVIDED ON ARCHITECTURAL BUILDING PLANS CUT IN ROOF LEADERS TO 18" STORM DRAIN PIPE.
  - CONTRACTOR SHALL TEST FIT EX WATER AND SEWER LINES WITHIN UTILITY EASEMENT PRIOR TO ROUGH GRADING SITE AND SHALL REPAIR ANY UTILITIES DAMAGED DURING CONSTRUCTION AT HIS EXPENSE.

- SITE ANALYSIS**
- ZONING: NEWTOWN (EMPLOYMENT CENTER INDUSTRIAL) AREA 1  
 AREA: 3,978 AC.  
 USAGE: 15,000' OFFICE 24,500' WAREHOUSE  
 PARKING REQUIREMENTS: (SEE F.D.P. PHASE 17 A.)
- PARKING REQ. AVAILABLE
- A. 2 SPACES PER 1000 S.F. OF OFFICE SPACE: 30  
 B. 1 SPACE PER 2 EMPLOYEES IN WAREHOUSE  
 216 EMPLOYEES = 108 SPACES
- TOTAL PARKING SPACES: 138 - 140
- BUILDING COVERAGE: 27% = 20,500 SQ. FT.  
 MAXIMUM BUILDING COVERAGE PERMITTED: 50%  
 GREEN SPACE PROVIDED: 22%



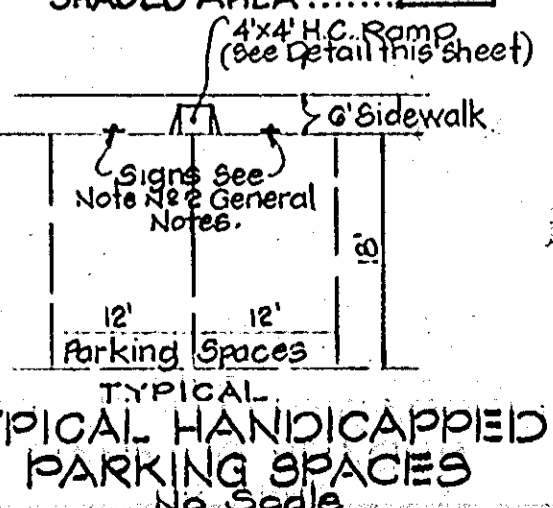
**6' MONOLITHIC WALK & CURB**  
No Scale

**STANDARD HOWARD COUNTY INDUSTRIAL PAVING SECTION.**  
- NO SCALE -

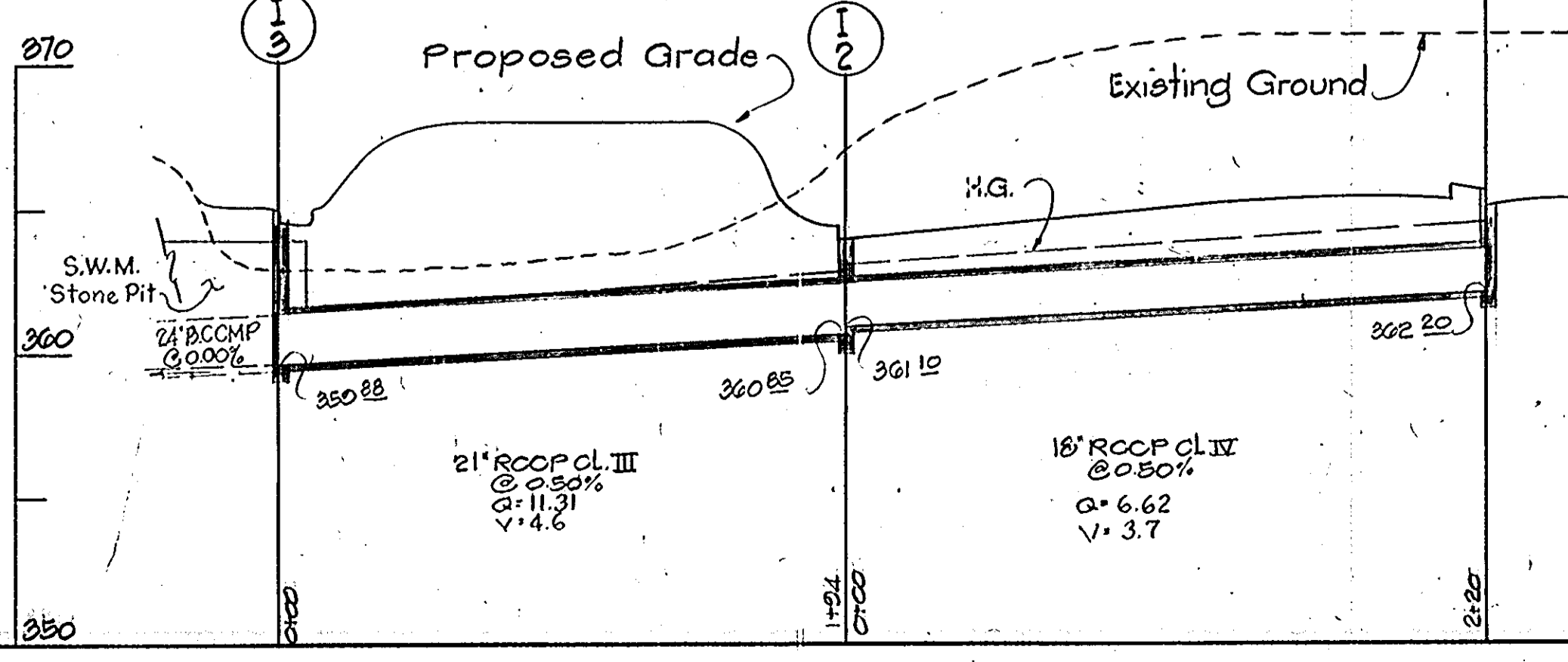


- CLEANING AND GRADING SUBGRADE: ARTICLE C-1  
 BASE COURSE: ARTICLE C-2  
 BINDER COURSE: ARTICLE C-31 OR C-33  
 SURFACE COURSE: ARTICLE C-31

NOTE: ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS. (DRAWING NO. D-12 PAGE 07).  
 2. SHOWN ON PLAN AS SHADED AREA (SEE DETAIL THIS SHEET)

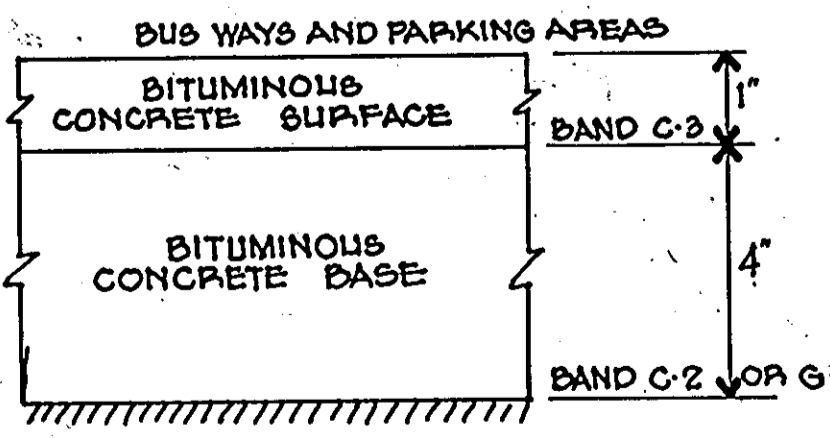


**TYPICAL HANDICAPPED PARKING SPACES**  
No Scale



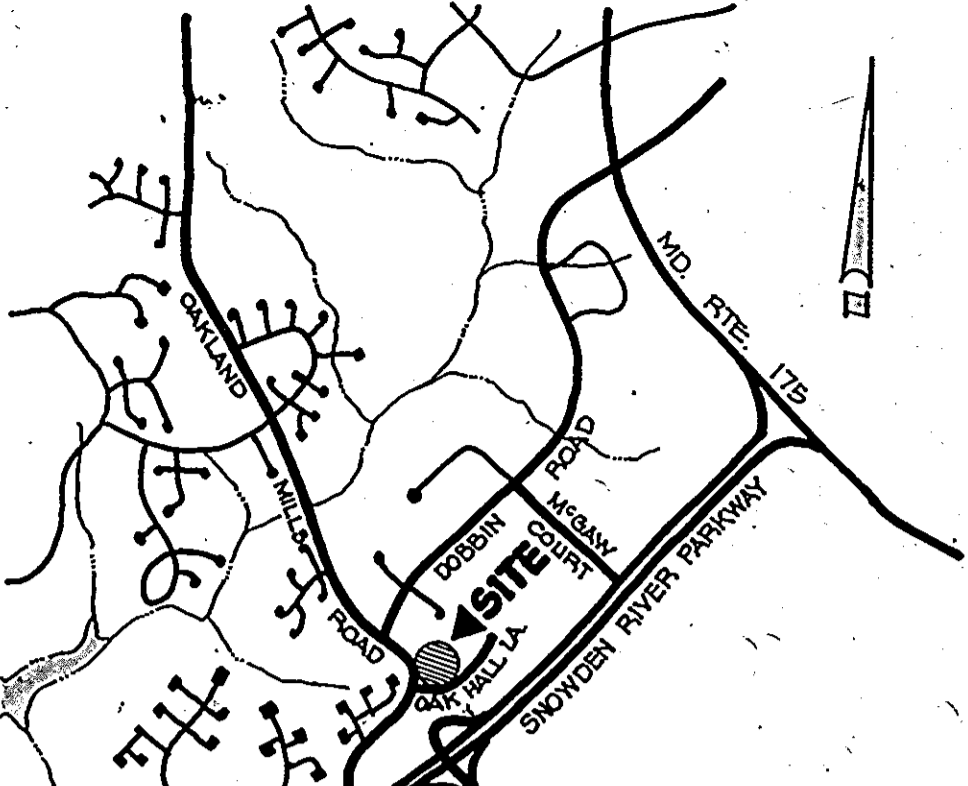
**STANDARD 21" ROOF CURB AND GUTTER**  
No Scale

**STANDARD HOWARD COUNTY PARKING AREA PAVING SECTION.**  
- NO SCALE -



- CLEANING AND GRADING SUBGRADE: ARTICLE C-1  
 BASE COURSE: ARTICLE C-2  
 BINDER COURSE: ARTICLE C-31 OR C-33  
 SURFACE COURSE: ARTICLE C-31

NOTE: ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS. (DRAWING NO. D-13 PAGE 08)



**LOCATION MAP** SCALE: 1"=2000'

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

*Geary F. Neimey* 3-21-80  
 Director Date

*William S. Day* 3-21-80  
 Chief, Bureau of Engineering Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

*Donald L. Hangle* 3-25-80  
 Planning Director Date

*John M. ...* 3-25-80  
 Chief, Div. of Land Development Date

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

*Joseph ...* 3-25-80  
 Health Officer Date

**APPROVED**  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE: 3-12-80

OWNER  
 PARKWAY INDUSTRIAL CENTER  
 7225 Parkway Drive  
 HANOVER, MARYLAND 21076

Date	No	Revision Description
2-7-80	2	County comments
1-15-80	1	County Comments

SIELING INDUSTRIAL PARK  
 Section 1, Area 1  
 PARCEL S-1  
 6th Election District of Howard County, Maryland

DEVELOPER  
 PARKWAY INDUSTRIAL CENTER  
 7225 Parkway Drive  
 HANOVER, MARYLAND 21076

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

AREA  
 TAX MAPS 35 AND 42, PLAT 24 FOLIO 96  
 No. 4203

TITLE  
 SITE DEVELOPMENT PLAN

Des By G.R.K.	Scale 1"=30'	Proj No 7579
CHK By K.L.T.	Date 11-9-79	Drawing No. 1 OF 4
CHK By G.P.H.	Approved	



11-9-79  
 Date  
 Approved  
 Eng. No. 11432

SEDIMENT TRAP SCHEDULE							
TRAP NO.	DRAINAGE AREA	DISTURBED AREA	VOLUME		CLEANOUT ELEV.	TRAP DEPTH	BOTTOM DIMENSION
			AVAIL.	REQ'D			
1	1.85 Ac.	1.65 Ac.	3,125	2970	352.0	2.5'	25'x50'
2	1.70 Ac.	1.60 Ac.	5,850	5,850	363.0	3.0'	85'x15' 45'x15'
3	3.55 Ac.	3.25 Ac.	7,050	5850	363.0	VARIES	NATURAL BASIN

**SITE ANALYSIS**

TOTAL AREA ..... 3.38 ACRES  
 DISTURBED AREAS ..... 3.25 ACRES  
 IMPERVIOUS AREA ..... 2.50 ACRES  
 AREA OF REVEGETATION ..... 0.75 ACRES

Reviewed for *Howard Co.* S.O.D.  
 Name \_\_\_\_\_  
 and meets Technical Requirements  
 Date *3-12-80*  
 Signature \_\_\_\_\_  
 U.S. Soil Conservation Service

**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 PERMIT 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 COUNTY 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".

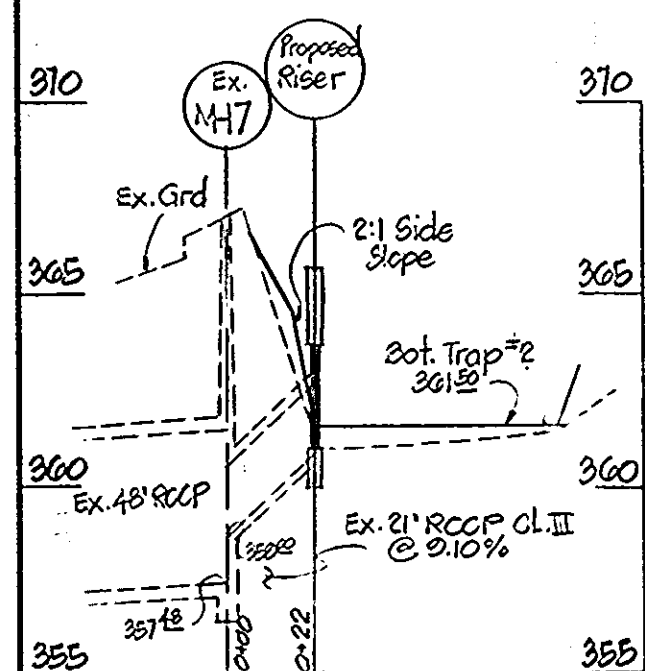
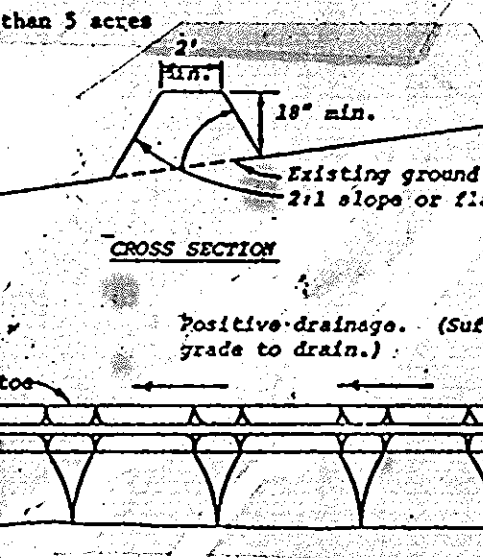
**SEQUENCE OF CONSTRUCTION**

- OBTAIN A GRADING PERMIT.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- REMOVE 21" END SECTION, INSTALL 30" BOCMF RISER TO CREATE NATURAL SEDIMENT BASIN NO.3 AND ROUGH GRADE SITE WITHIN LIMITS OF GRADING BUT DO NOT FILL AREA RESERVED FOR S.W.M. STORAGE PIT. PROVIDE PERIMETER DIKES AND TEMPORARY SWALES WHERE SHOWN AND STABILIZE PER TEMPORARY SEEDING NOTES.
- CONSTRUCT SEDIMENT TRAP NO.2 AT 30" RISER AS SHOWN ON PLAN AND CONSTRUCT DIVERSION DIKES AROUND S.W.M. FACILITY TOWARDS TRAP NO.2.
- EXCAVATE S.W.M. PIT TO REQUIRED DEPTH AND CONSTRUCT FACILITY IN ACCORDANCE WITH SPECIFICATIONS DESCRIBED ON S.W.M. PLAN, SHEET 4 OF 4. STUB 24" BOCMF, RELEASE OUTLET AND BLOCK WITH SANDBAGS OR PLYWOOD.
- WHEN APPROVAL HAS BEEN GRANTED, CONSTRUCT STORM DRAIN SYSTEM AND BLOCK ALL INLETS PER INLET TRAP DETAIL. CONSTRUCT INLET SEDIMENT TRAP NO.1, REMOVE BRICKS OR BLOCKS AT 1-2 AS PER DETAILS AND FILL TEMPORARY SWALE AT WEST SIDE OF BUILDING.
- COMPLETE ALL CONSTRUCTION AND GRADING OPERATIONS, FINE GRADE AND VEGETATE PARKING LOT AND STABILIZE PER TEMPORARY SEEDING NOTES.
- UPON APPROVAL BY THE HOWARD COUNTY CONSERVATION DISTRICT, PUMP OUT CLEAN WATER FROM SEDIMENT TRAPS, UNBLOCK INLETS 1, 2 AND 3 AND REBUILD WEAR INLET WALLS. AFTER TRAPS HAVE DRIED, BACKFILL TO PROPOSED GRADES AND STABILIZE PER PERMANENT SEEDING NOTES. REMOVE EX. 21" BOCMF AND TEMPORARY 30" RISER AND CONNECT S.W.M. RELEASE STRUCTURE TO EXISTING MAINLINE 7, WITH 24" BOCMF, BACKFILL TRENCH AND SEED PER PERMANENT SEEDING NOTES.

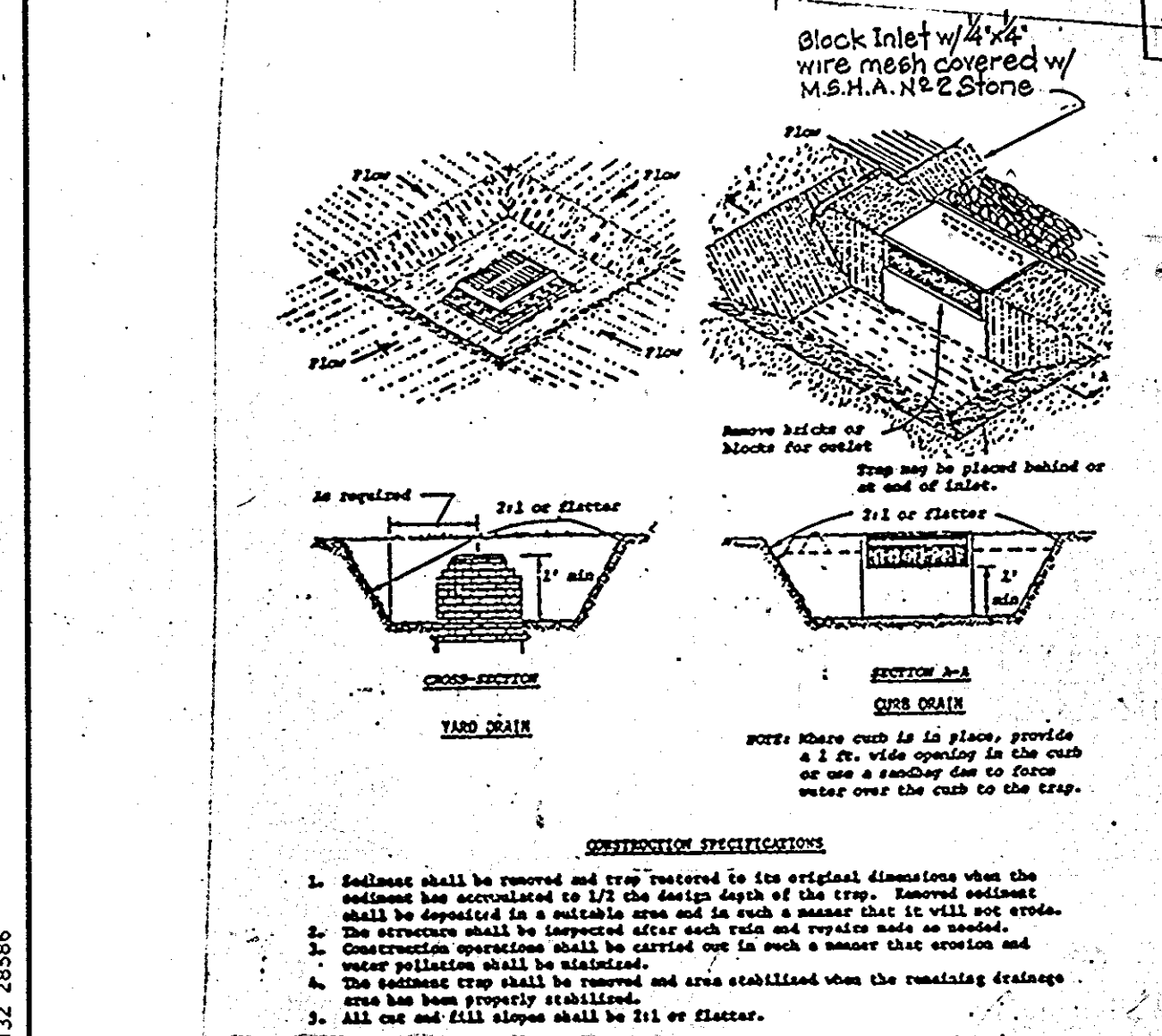
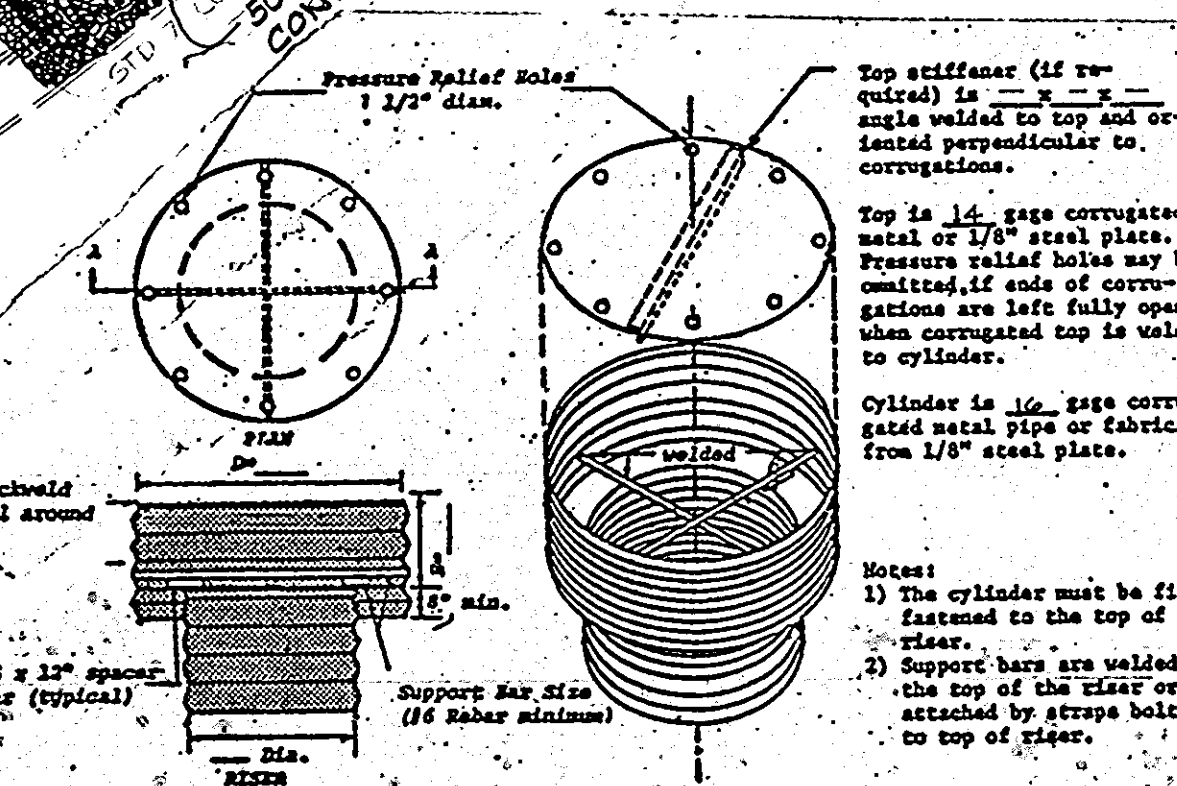
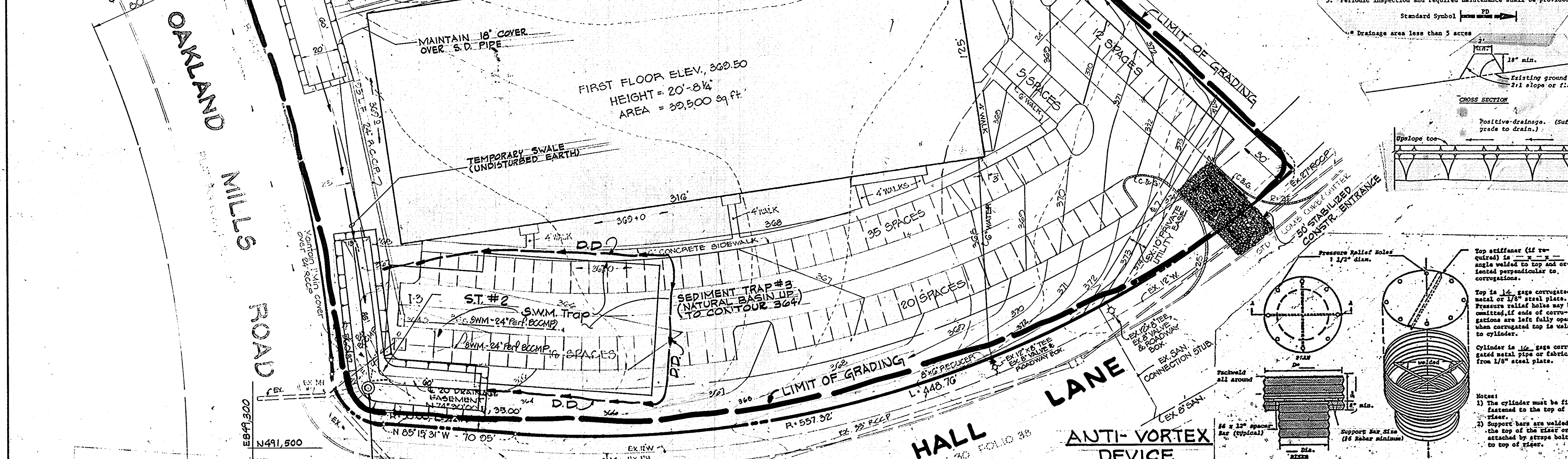
**PLAN VIEW**

- Construction Specifications**
- All dikes shall be machine compacted.
  - All perimeter dikes shall have positive drainage to an outlet.
  - A. Diverted runoff from a protected or established upland area shall outlet directly onto 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 sediment trap or a sediment basin or to an area protected by any of these practices.
  - Stabilization, when required, shall be done in accordance with Standards and Specifications for Graded Highway. The minimum area to be stabilized shall be the channel flow area.
  - Periodic inspection and required maintenance shall be provided.

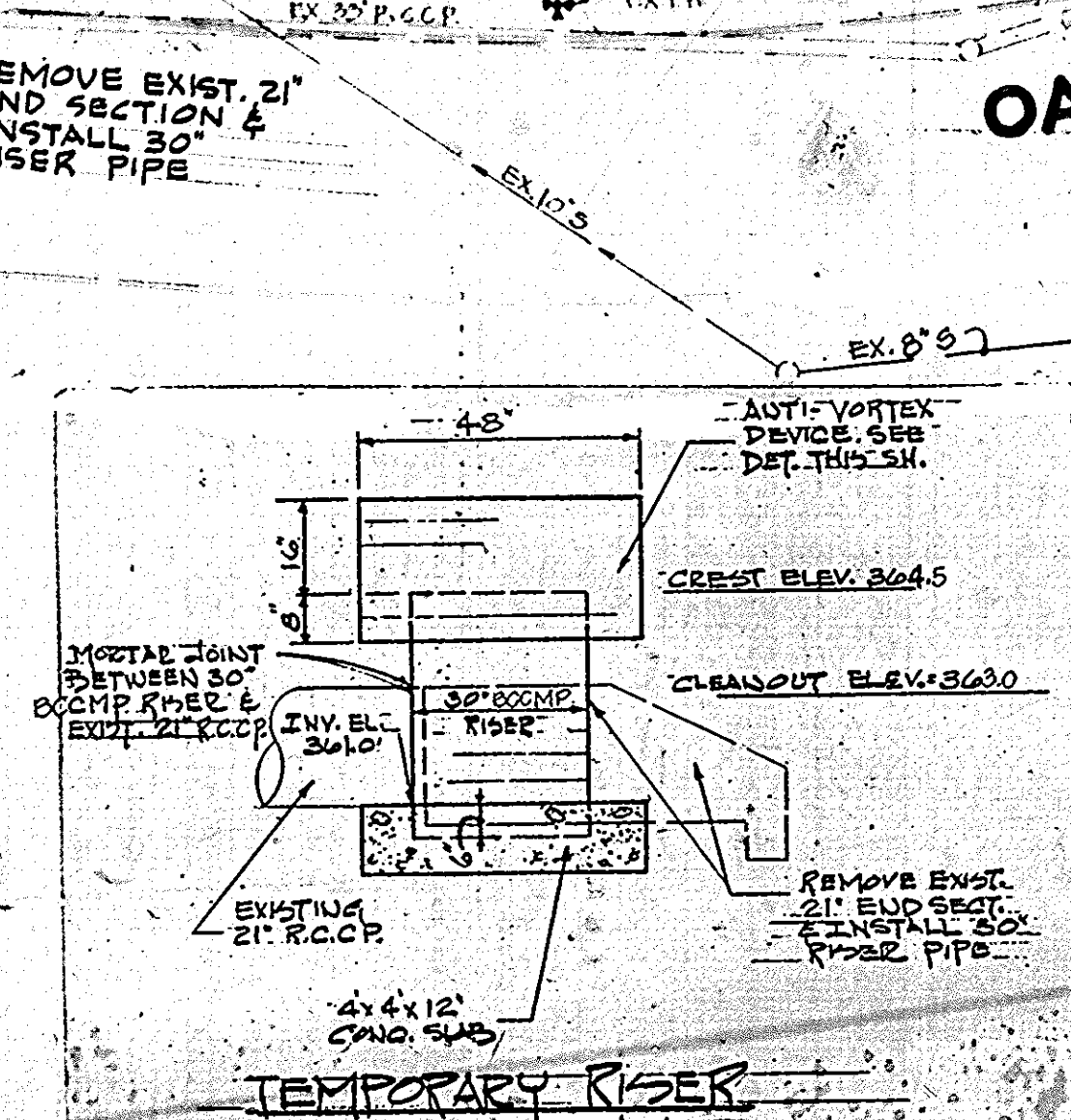
**CROSS SECTION**



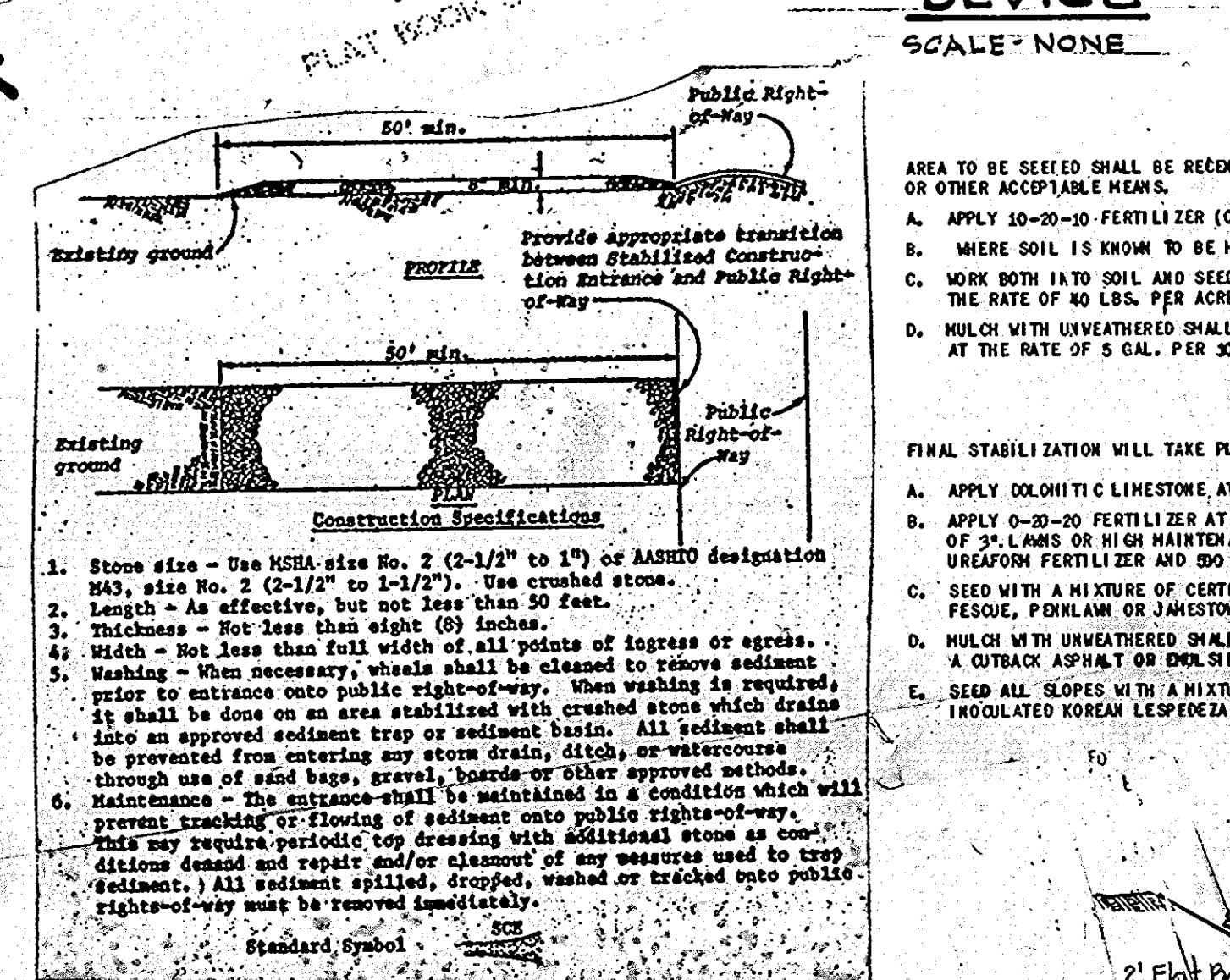
**SPILLWAY PROFILE**  
 Scale: Horiz. 1"=50'  
 Vert. 1"=5'



**STORM INLET SEDIMENT TRAP**  
 SCALE: NONE



**TEMPORARY RISER PIPE DETAIL**  
 SCALE: NONE



**STABILIZED CONSTR. ENTRANCE**  
 SCALE: NONE

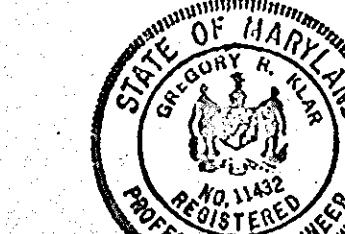
**TEMPORARY SEEDING**

- AREA TO BE SEED SHALL BE RECENTLY LOOSENED. IF THE GROUND IS PACKED, CRUSTED OR HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENED BY RAKING OR OTHER ACCEPTABLE MEANS.
- APPLY 10-20-20 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.
  - MIX BOTH LAYS TO SOIL AND SEED WITH CYCLOPE SEEDER, DRILL, CULTIPATER 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 SHALL GRASS STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A OUTBACK ASPHALT OR DULSIFIED 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 TON PER ACRE WAS MADE FOR TEMPORARY SEEDING).
  - APPLY 0-20-20 FERTILIZER AT THE RATE OF 400 LBS. PER ACRE. HARROW OR DISC LIME AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3" LAYS OR HIGH MAINTENANCE AREAS WILL BE DRAGGED AND LEVELLED WITH A YORK B.M.E. AT THE TIME OF SEEDING APPLY 400 POUNDS OF 38-0-0 UREAFORM FERTILIZER AND 200 LBS. OF 30-20-20 OR EQUIVALENT FERTILIZER PER ACRE.
  - SEED WITH A MIXTURE OF CERTIFIED 'MERION' KENTUCKY BLUEGRASS AT 30 LBS. PER ACRE; COMMON KENTUCKY BLUEGRASS AT 40 LBS. PER ACRE; RED FESCUE, PURLAW OR HUNTINGTON AT 20 LBS. PER ACRE.
  - MULCH WITH UNWEATHERED SHALL GRASS STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A OUTBACK ASPHALT OR DULSIFIED 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 PROCUATED KOREAN LESPEDEZA AT 15 LBS. PER ACRE.

**APPROVED**  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE: 3-12-80



**APPROVED: FOR PUBLIC WATER, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.**

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

*Joseph F. Neuman* 3-21-80  
 Director Date

*William S. Ross* 3-21-80  
 Chief, Bureau of Engineering Date

**APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.**

*Thomas L. Harvick* 3-25-80  
 Planning Director Date

*Paul M. Muehlen* 3-25-80  
 Chief, Div. of Land Development Date

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWAGE SYSTEMS.**

HOWARD COUNTY HEALTH DEPARTMENT.

*James Briggs* 3-25-80  
 County Health Officer Date

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

*William T. Rowe* 3-18-80  
 Howard County  
 Soil Conservation District Date

**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.

*Joseph A. Hall* 2-7-80  
 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".

*Joseph A. Hall* 1-16-80  
 Date

**ACCEPTED AND APPROVED FOR CONSTRUCTION BY:**

OWNER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

Date	No.	Revision Description
2-7-80	2	Revised for S.W.M. & How. Co. Comments (S.C.S.)
2	1	Revised according How. S.C.S. Comments

**OWNER**  
 PARKWAY INDUSTRIAL CENTER  
 7225 Parkway Drive  
 HANOVER, MARYLAND 21076

**DEVELOPER**  
 SIELING INDUSTRIAL PARK  
 Section 1, Area 1  
 PARCEL S-1  
 6th Election District of Howard County, Maryland

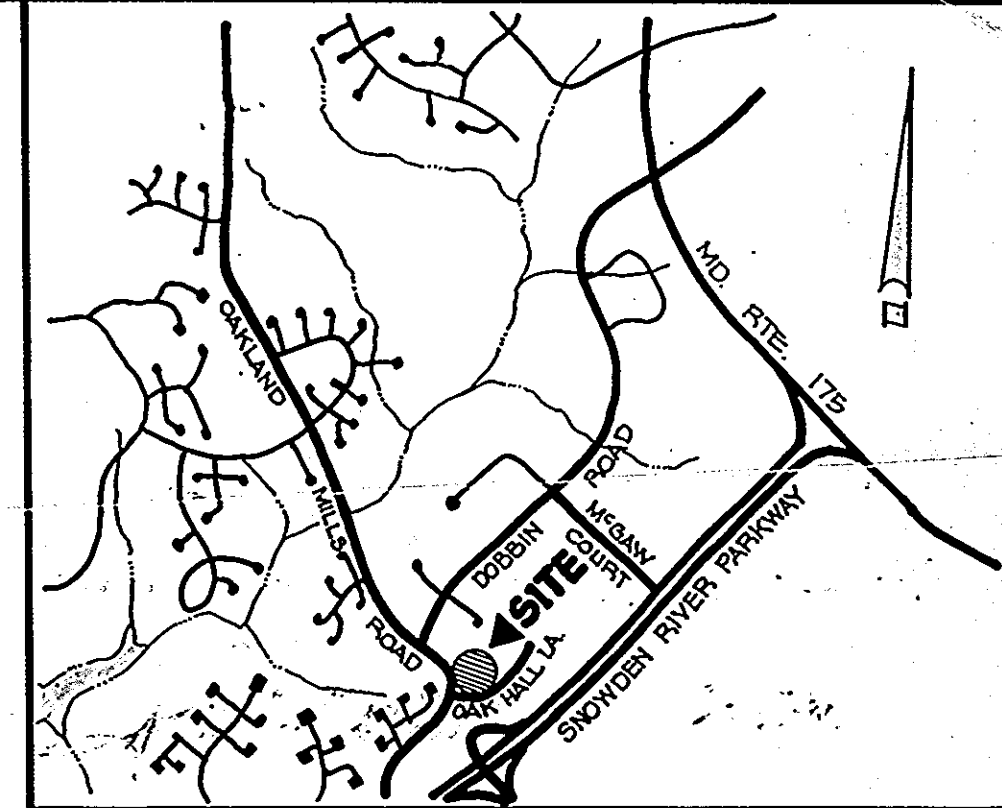
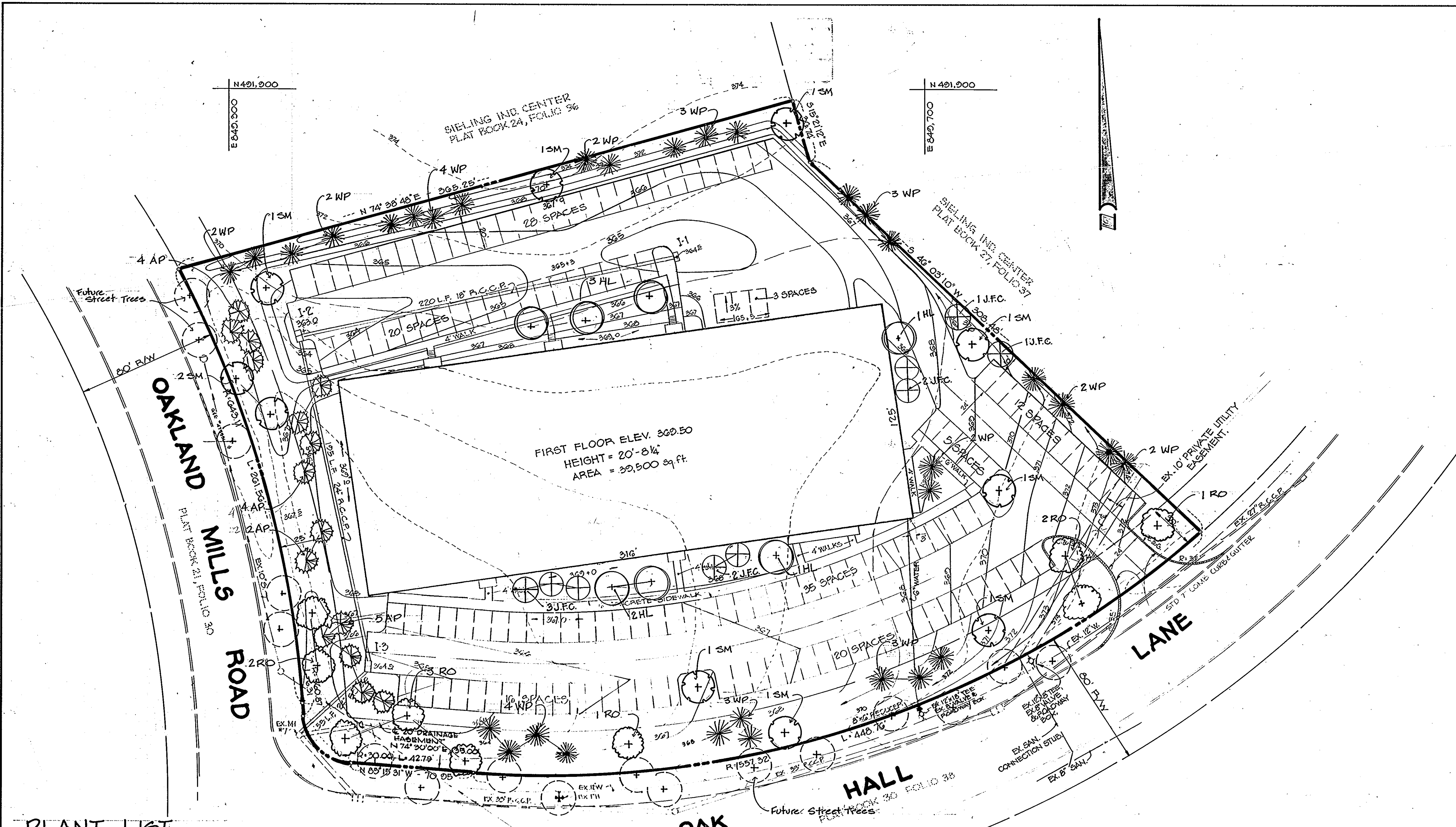
**CONTRACTOR**  
 PARKWAY INDUSTRIAL CENTER  
 7225 Parkway Drive  
 HANOVER, MARYLAND 21076

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

**TITLE**  
 SEDIMENT CONTROL PLAN

Des By	Scale	Proj No
G.R.K.	1" = 30'	7579
Drn By	Date	Drawing No.
K.L.T.	11-8-79	2 OF 4
Chk By	Approved	
G.P.M.		

SDP-80-72c



**LOCATION MAP** SCALE: 1"=2000'

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

*George F. Nemmy* 3-21-80  
Director Date  
*William D. Ryan* 3-21-80  
Chief, Bureau of Engineering Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*Ronald L. Anzick* 3-25-80  
Planning Director Date  
*Paul M. Whelan* 3-25-80  
Chief, Division of Land Development Date

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

*Jaym Brubaker* 3-21-80  
County Health Officer Date

**APPROVED**  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE 3-12-80  
*fum*

OWNER  
PARKWAY INDUSTRIAL CENTER  
7225 Parkway Drive  
HANOVER, MARYLAND 21076

Date	No	Revision Description
1-15-80	1	Plant list & Plan.

SIELING INDUSTRIAL PARK  
Section 1, Area 1  
PARCEL S-1  
6th Election District of Howard County, Maryland  
OWNER AND DEVELOPER  
PARKWAY INDUSTRIAL CENTER  
7225 Parkway Drive  
HANOVER, MARYLAND 21076

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

AREA  
TAX MAPS 36 AND 42, PLAT 24, FOLIO 96  
NO. 4203

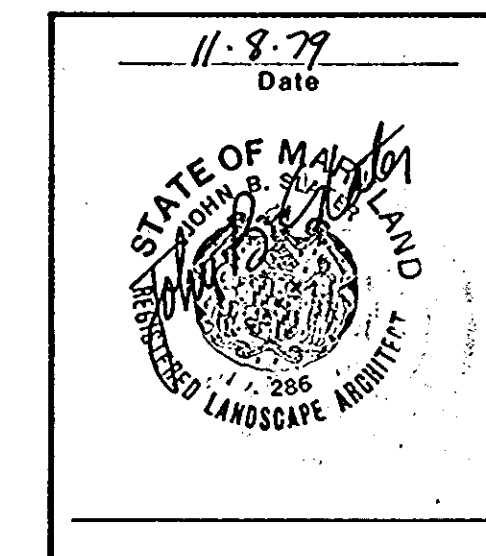
TITLE  
**PLANTING PLAN**

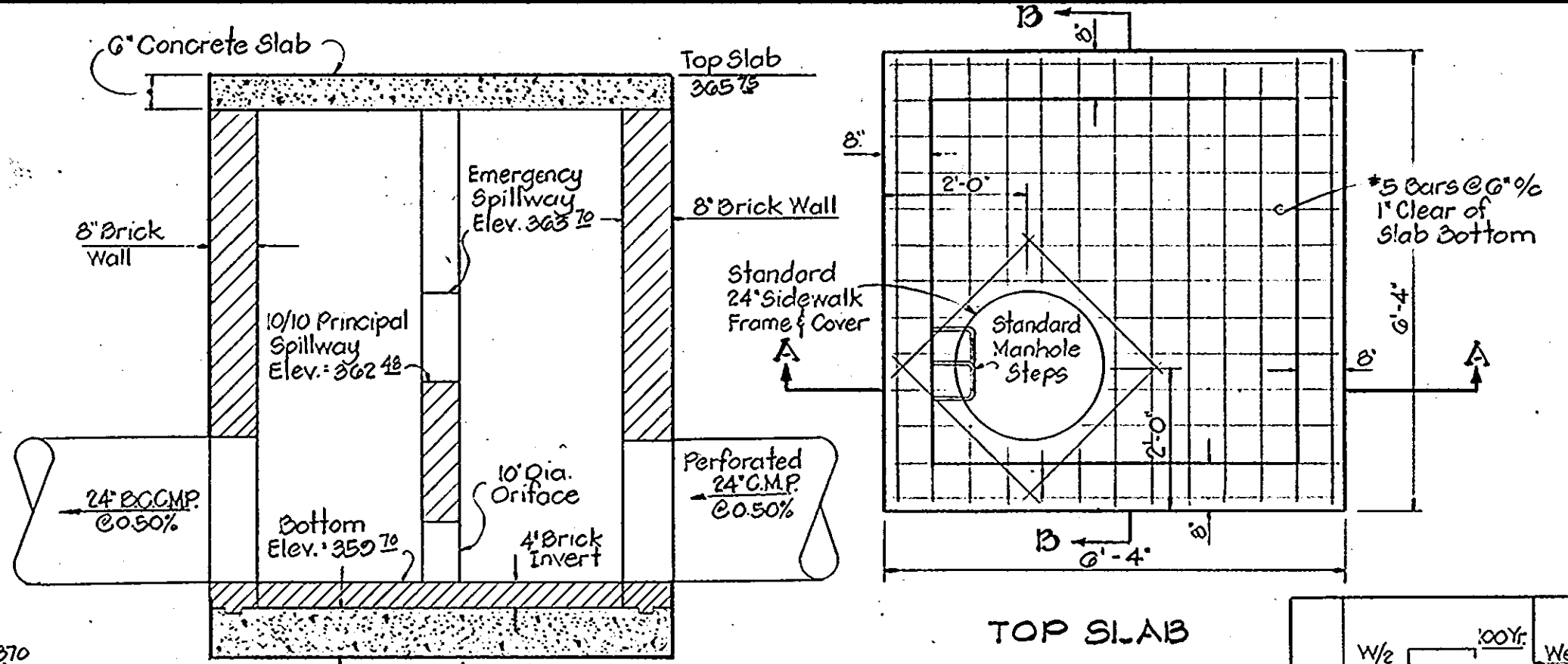
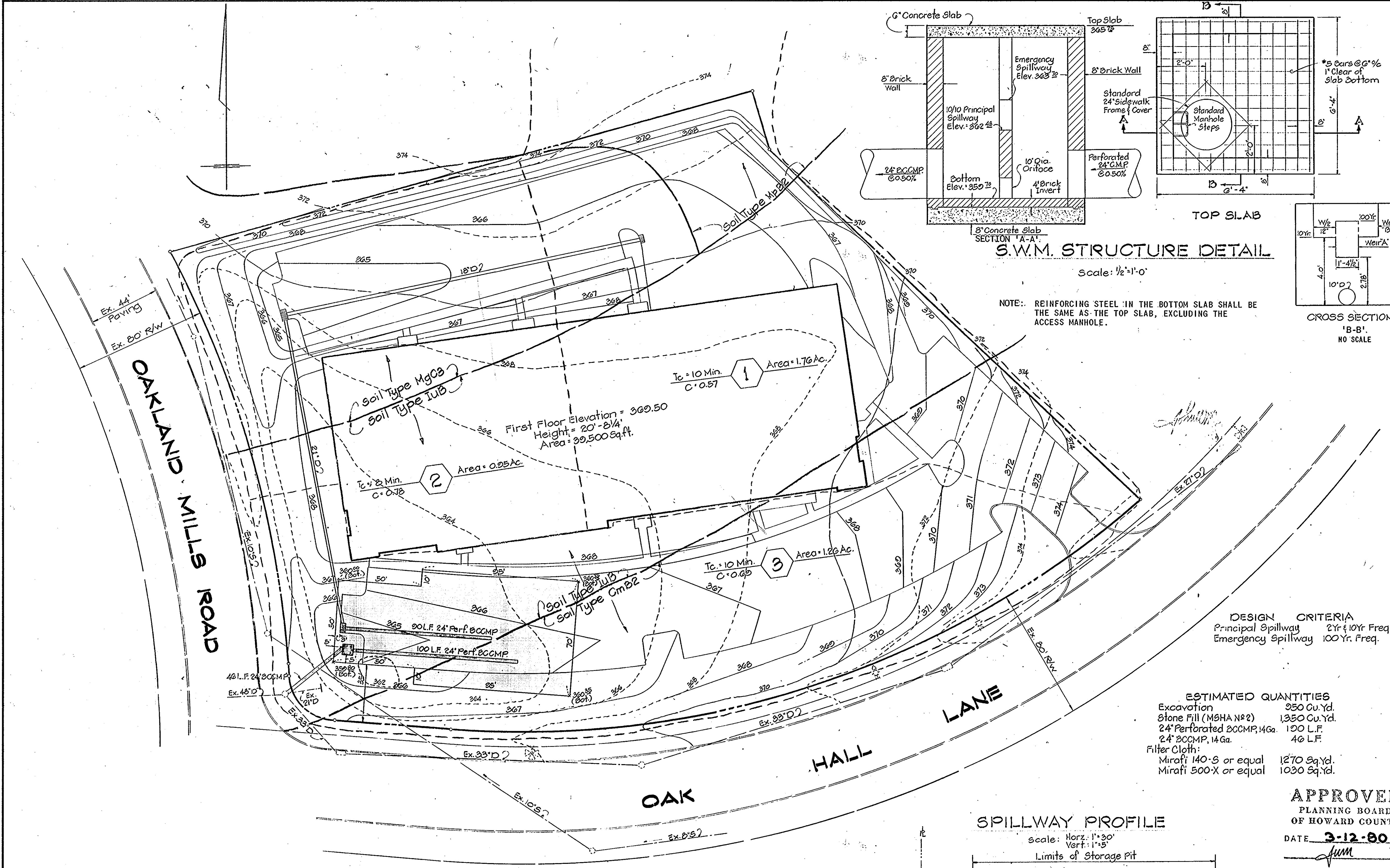
Des By G.R.K. Scale 1" = 30' Proj No 7579  
Drn By K.L.T./JEC Date 11-8-79 Drawing No.  
Chk By G.P.H./JEC Approved 3 OF 4

**PLANT LIST**

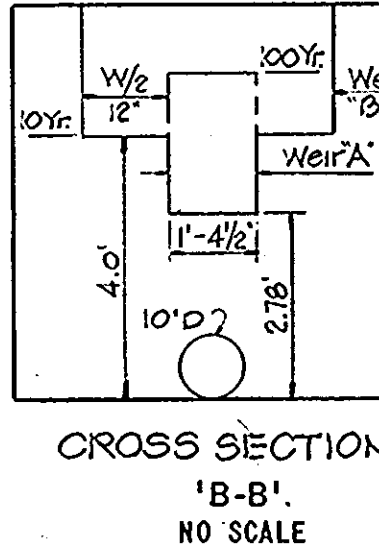
SYMBOL	QUAN.	NAME	SIZE	REMARKS
SM (+)	10	Acer saccharum Sugar Maple	2 1/2" to 3" Cal. Min. 12' to 14' Hght.	B & B
HL (+)	7	Gleditsia triacanthos Honey Locust	2 1/2" to 3" Cal. Min. 12' to 14' Hght.	B & B
RO (+)	9	Quercus rubra Red Oak	2 1/2" to 3" Cal. Min. 12' to 14' Hght.	B & B
AP (+)	15	Pinus nigra Austrian Pine	6'-8' Hght.	B & B
WP (+)	32	Pinus strobus White Pine	6'-8' Hght.	B & B
J.F.C. (+)	2	Malus Floribunda Japanese Flowering Crab	6' to 8' Hght.	B & B
(+)		Future Street Trees (by Others)		

A. Trees required: 5.378 Acres x 10 = 54.048 Shade Trees  
B. Trees provided: 20 Shade Trees 20 Shade Trees  
47 Evergreen &  
2 Flowering trees: 20 Shade trees  
54 Provided





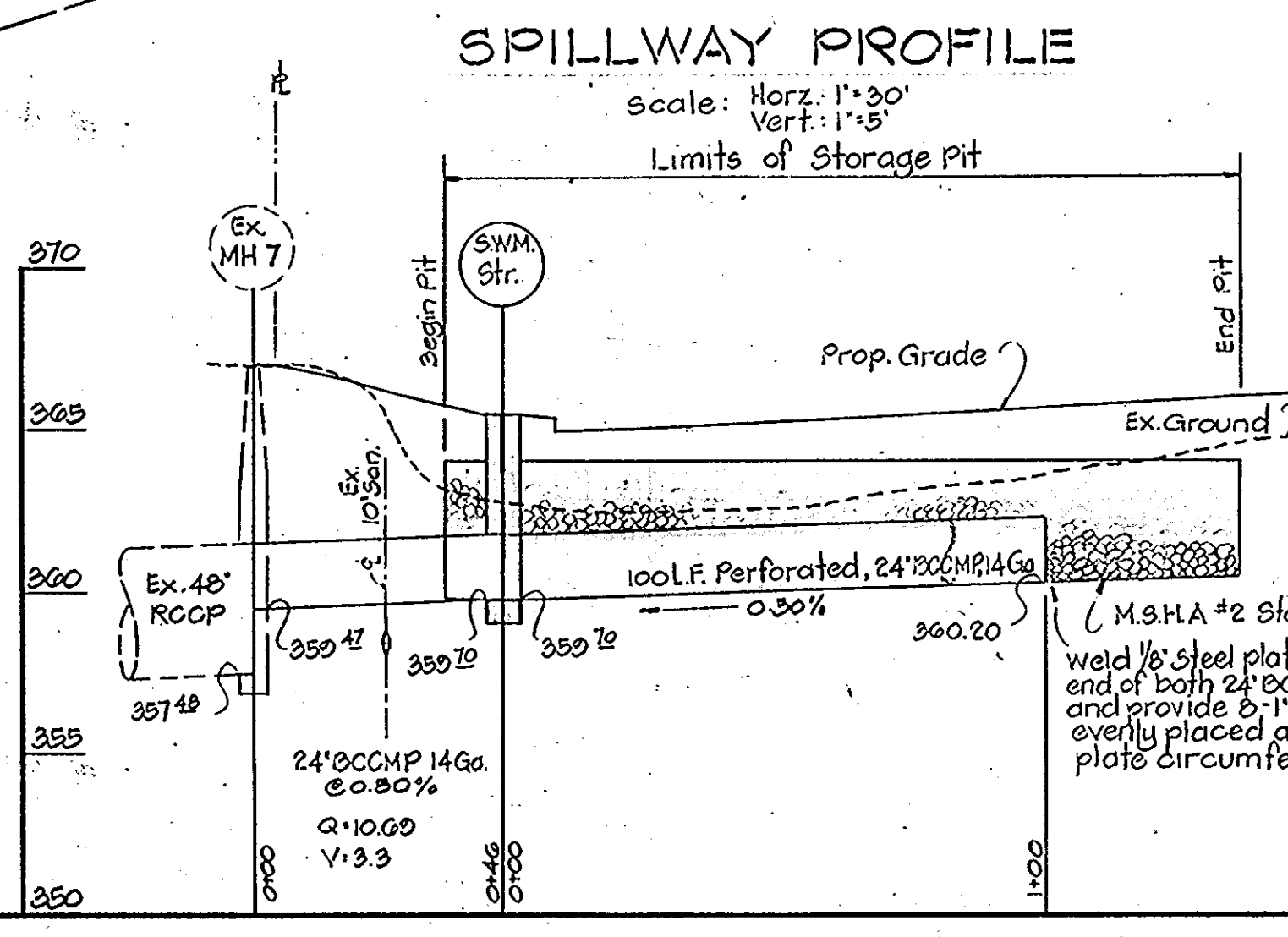
NOTE: REINFORCING STEEL IN THE BOTTOM SLAB SHALL BE THE SAME AS THE TOP SLAB, EXCLUDING THE ACCESS MANHOLE.



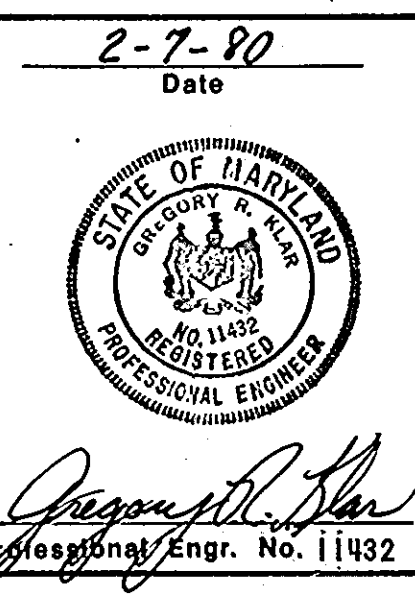
DESIGN CRITERIA  
Principal Spillway 2Yr & 10Yr Freq.  
Emergency Spillway 100Yr Freq.

ESTIMATED QUANTITIES

Excavation	350 Cu.Yd.
Stone Fill (MSHA #2)	1,350 Cu.Yd.
24\"/>	
Filter Cloth:	
Mirafi 140-S or equal	1270 Sq.Yd.
Mirafi 500-X or equal	1030 Sq.Yd.



APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE 3-12-80  
Jum



CONSTRUCTION SPECIFICATIONS

- I SITE PREPARATION:  
AREAS UNDER THE STORM WATER MANAGEMENT STORAGE FACILITY SHALL BE CLEARED, GRUBBED AND THE TOPSOIL STRIPPED TO REMOVE ALL TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL. SEE SEDIMENT CONTROL PLAN FOR FURTHER DETAILS.
- II STORAGE FACILITY CONSTRUCTION:  
THE STORM WATER MANAGEMENT STORAGE FACILITY SHALL BE EXCAVATED TO THOSE DEPTHS SHOWN ON THE PLAN WITH THE BOTTOM AND SIDES LINED WITH MIRAFI 140S FILTER CLOTH OR EQUAL. AFTER CONSTRUCTION OF THE RELEASE STRUCTURE AND THE TWO CORRUGATED METAL PIPES, THE PIT SHALL BE FILLED TO A HEIGHT OF 4.0' WITH M.S.H.A. NO. 2 STONE AND COVERED WITH MIRAFI 500X FILTER CLOTH OR EQUAL. BACKFILL AREA WITH SUITABLE MATERIAL TO THE PROPER SUBGRADE ELEVATION AND CONSTRUCT PARKING LOT AS SHOWN ON THE SITE PLANS.
- III STABILIZATION:  
SEE SEDIMENT CONTROL PLAN SHEET 2 OF 4 FOR PERMANENT STABILIZATION NOTES.
- IV CORRUGATED METAL PIPE CONDUIT:  
A. MATERIALS: (STEEL PIPE) - THIS PIPE AND ITS APPURTENANCES SHALL BE GALVANIZED AND FULLY BITUMINOUS COATED AND SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. SPECIFICATIONS M-190 TYPE 1A1 WITH WATERTIGHT COUPLING BANDS. ANY BITUMINOUS COATING DAMAGED OR OTHERWISE REMOVED SHALL BE REPLACED WITH COLD APPLIED BITUMINOUS COATING COMPOUND.  
B. CONNECTIONS: ALL CONNECTIONS WITH PIPES MUST BE COMPLETELY WATERTIGHT. WATERTIGHT COUPLING BANDS SHALL BE USED AT ALL JOINTS.  
C. BEDDING: THE PIPE SHALL BE FIRMLY AND UNIFORMLY BEDDED THROUGHOUT ITS ENTIRE LENGTH. WHERE ROCK OR SOFT, SPONGY OR OTHER UNSTABLE SOIL IS ENCOUNTERED, ALL SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE EARTH COMPACTED TO PROVIDE ADEQUATE SUPPORT.  
D. LAYING PIPE: THE PIPE SHALL BE PLACED WITH INSIDE CIRCUMFERENTIAL LAPS POINTING DOWNSTREAM AND WITH THE LONGITUDINAL LAPS AT THE SIDES.  
E. PERFORATIONS: PERFORATED 24\"/>

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR STORM WATER MANAGEMENT FACILITIES.

U.S. Soil Conservation Service 3/12/80 Date

THESE PLANS FOR STORM WATER MANAGEMENT FACILITIES MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: William J. Rame 3-12-80 Date  
Howard S.C.D. Plan Number SDP-80-72

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

Director: Henry F. Newman 3-31-80 Date  
Chief, Bureau of Engineering: [Signature] 3-21-80 Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
Planning Director: [Signature] 3-25-80 Date  
Chief, Division of Land Development: [Signature] 3-25-80 Date

BY THE ENGINEER:  
"I CERTIFY THAT THIS PLAN FOR STORM WATER MANAGEMENT FACILITY REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE FACILITY WITHIN 30 DAYS OF COMPLETION."  
Gregory R. Star 2-7-80 Date

BY THE DEVELOPER:  
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS. 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 WITH A RED-LINED "AS-BUILT" OF THE FACILITY WITHIN 30 DAYS OF COMPLETION."  
[Signature] 2-7-80 Date

ACCEPTED AND APPROVED FOR CONSTRUCTION BY:  
OWNER: DATE:  
CONTRACTOR: DATE:

Date	No	Revision Description
		OWNER AND DEVELOPER PARKWAY INDUSTRIAL CENTER 7225 Parkway Drive HANOVER, MARYLAND 21076
		SIELING INDUSTRIAL PARK Section 1, Area 1 PARCEL S-1
		6th Election District of Howard County, Maryland
		CENTURY ENGINEERING, INC. CONSULTING ENGINEERS - PLANNERS TOWSON, MARYLAND 21204
		AREA TAX MAPS 36 AND 42, PLAT 24, FOLIO 96 NO. 4203
		TITLE STORM WATER MANAGEMENT PLAN
		Des By G.R.K. Scale 1"=30' Proj No 7579
		Drn By J.D.G. Date 2/7/80 Drawing No.
		Chk By J.W.R. Approved 4 OF 4

2-7-80 Date

SDP-80-72

BRUNING 44-132 28585