

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.
C.K. Little 5/25/88
 Date

DEVELOPER'S/BUILDER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this plan, and that any 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 HCCD.
J. S. Sullivan 5-25-88
 Date
 Signature of Developer/Builder



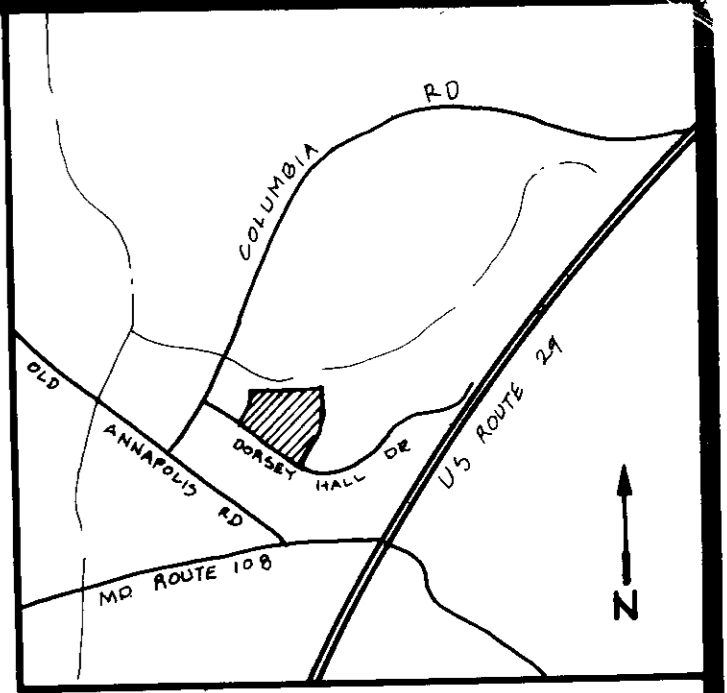
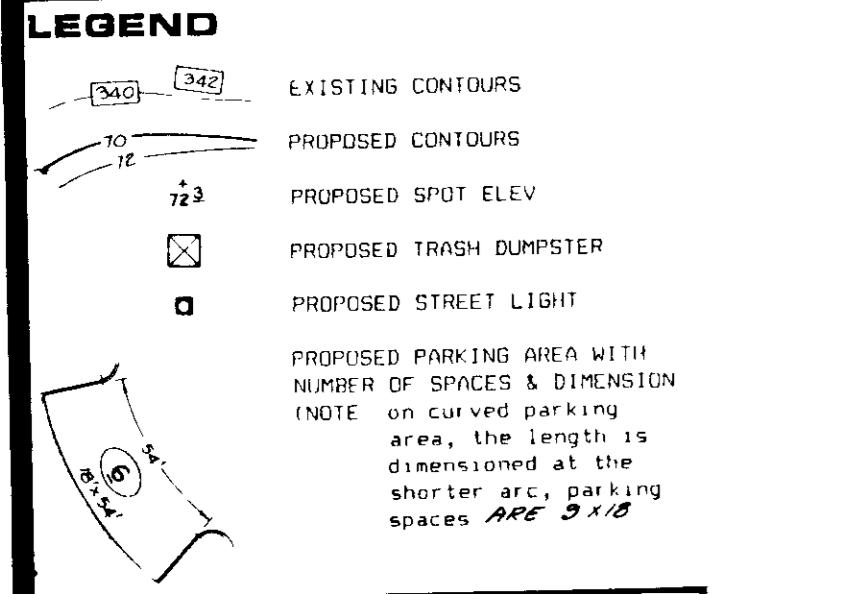
GENERAL NOTES

- All materials and construction to be in accordance with Howard County Department Code and Specifications.
- Any change to county owned right-of-way to be corrected at the developer's expense.
- Installation of traffic control devices shall be in accordance with the latest edition of the Manual of Traffic Control.
- Topography was compiled from actual field survey.
- The area shown is located on Tax Map No. 18 Parcel 12.
- All driveways and parking to be privately owned and maintained.
- All construction shall be based on the Howard County Flood Control Survey Traverse which is based on the Maryland State Plane Coordinate System.
- Class "C" trench bedding shall be used under all storm drains unless shown otherwise.
- Information concerning underground utilities was obtained from utility records. The contractor must determine the exact location by digging test pits prior to all utility excavation work.
- The contractor/developer shall contact the Construction Inspection Bureau Division 14 hours in advance of work 1901-992-3417 or 792-7372.
- The developer/owner shall obtain all necessary Department of Licenses and Inspections to review any problem caused by roof water discharge.
- All storm drains shall be installed by one of the following:
 - a. Discharge to splash pans and discharge into ground having good permeation.
 - b. Discharge to front of site prior to curb.
 - c. Discharge connected to storm drain.
- Retention basins shall be provided by a central facility. See Dorsey Hall Section 2.
- See Office of Planning and Zoning Files: 8-78-29 P-84-27 P-86-26 P-85-16 P-83-55 P-81-192 P-80-67-70 P-84-11 and P-82-115.
- See structures shown herein fall in the HCCD Use Group of A-3.

BLDG. TAB.

| BLDG. | UNITS |
|-------|-------|
| A | 9 |
| B | 12 |
| C | 9 |
| D | 12 |
| E | 12 |
| F | 12 |
| G | 12 |
| H | 9 |
| I | 11 |
| J | 6 |
| K | 6 |
| L | 9 |
| M | 9 |
| N | 12 |
| TOTAL | 132 |

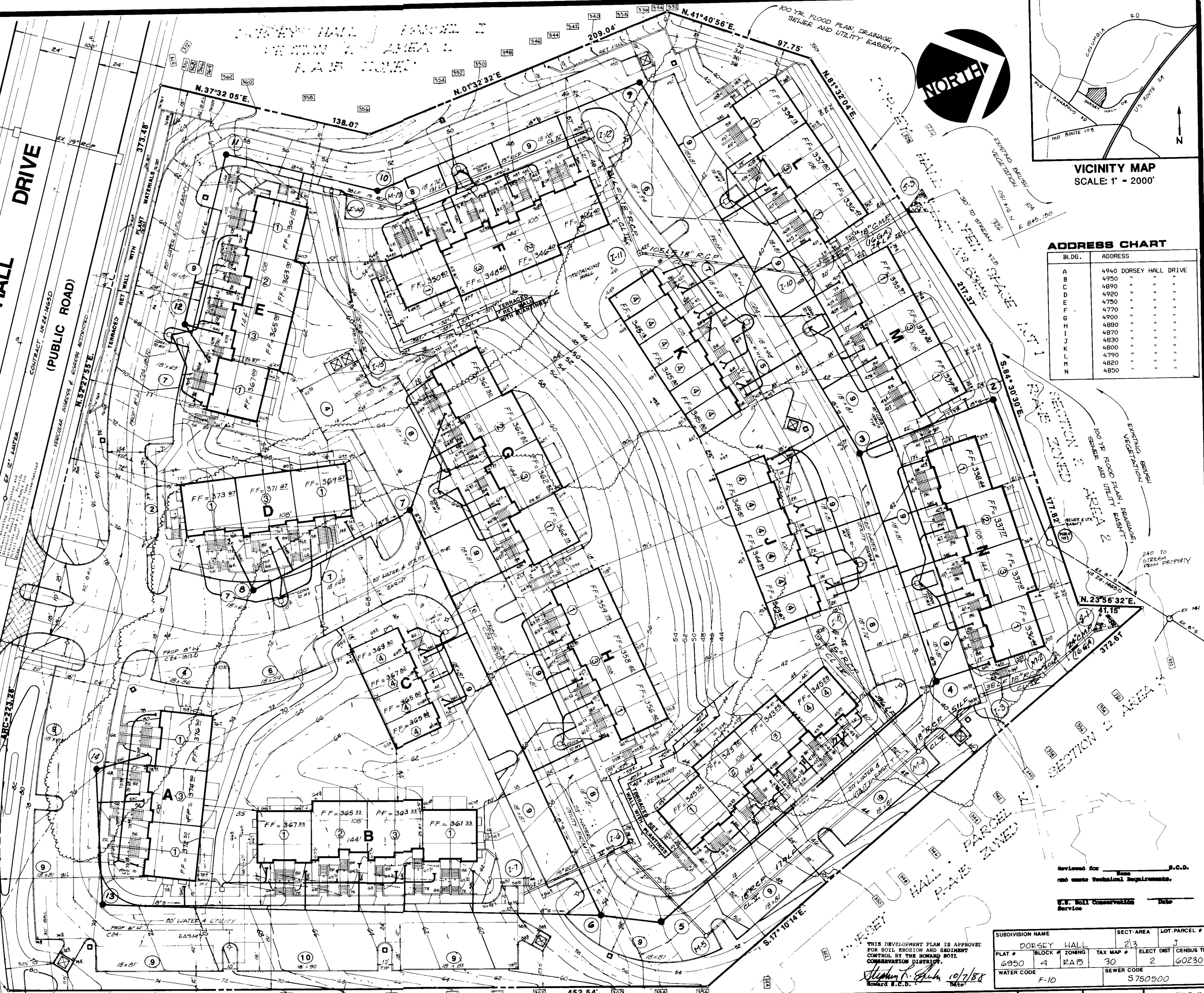
9-1-80
 LWS



ADDRESS CHART

| BLDG. | ADDRESS |
|-------|------------------------|
| A | 4940 DORSEY HALL DRIVE |
| B | 4950 |
| C | 4890 |
| D | 4920 |
| E | 4750 |
| F | 4770 |
| G | 4900 |
| H | 4880 |
| I | 4870 |
| J | 4830 |
| K | 4800 |
| L | 4790 |
| M | 4820 |
| N | 4850 |

DORSEY HALL DRIVE
HALL DRIVE
(PUBLIC ROAD)



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
James M. ... 10-19-88
 County Health Officer Date

APPROVED: FOR PLANNING & ZONING
... 10-17-88
 Director Date

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
... 10-16-88
 Director Date

G.W. GUTSCHICK LITTLE & WEBER, P.A.
 ENGINEERS, PLANNERS, SURVEYORS
 2908 NATIONAL DRIVE - SUITE 290 BURTONSVILLE OFFICE PARK BURTONSVILLE, MD 20886
 TELEPHONE (301) 421-4024

PREPARED FOR
PORTEN-SULLIVAN CORP.
 THREE BETHESDA METRO CENTER
 SUITE 900
 BETHESDA, MD 20814

SITE DEVELOPMENT PLAN
DORSEY HALL - Parcel J
 SECTION 2 AREA 3
 SECOND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

| SCALE | ZONING | G.L.W. FILE NO. |
|----------|-------------|-----------------|
| 1" = 30' | RA 15 | 87 - 045 |
| DATE | TAX MAP NO. | SHEET |
| 1988 | 30 | 1 OF 6 |

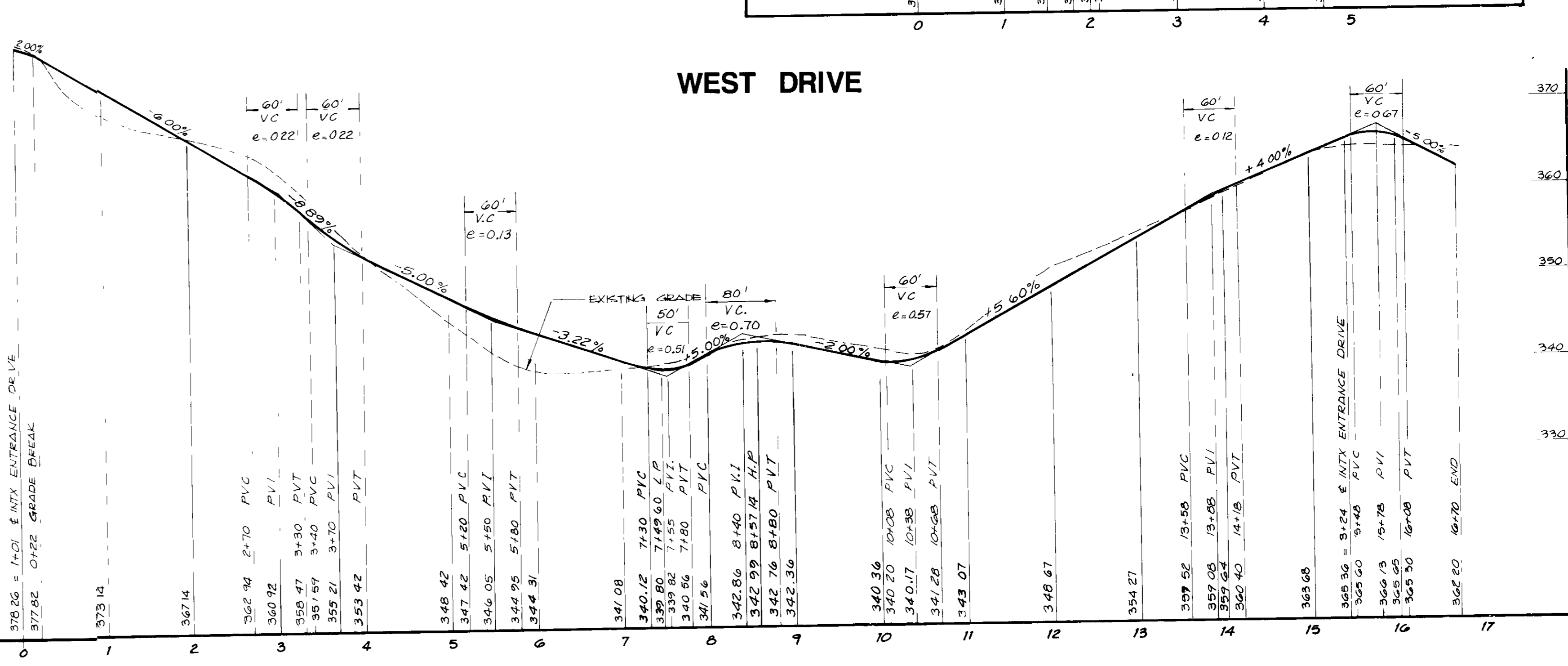
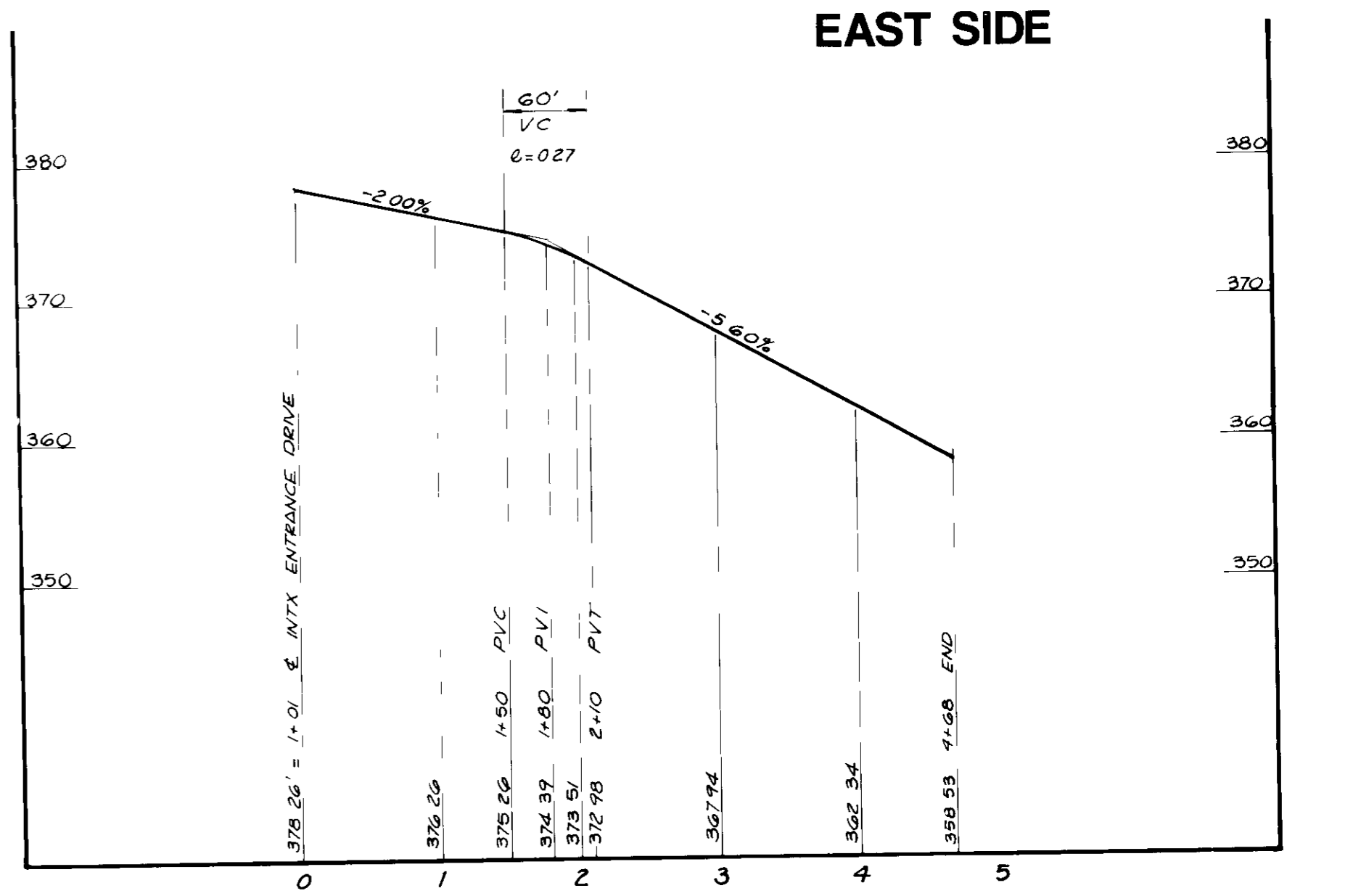
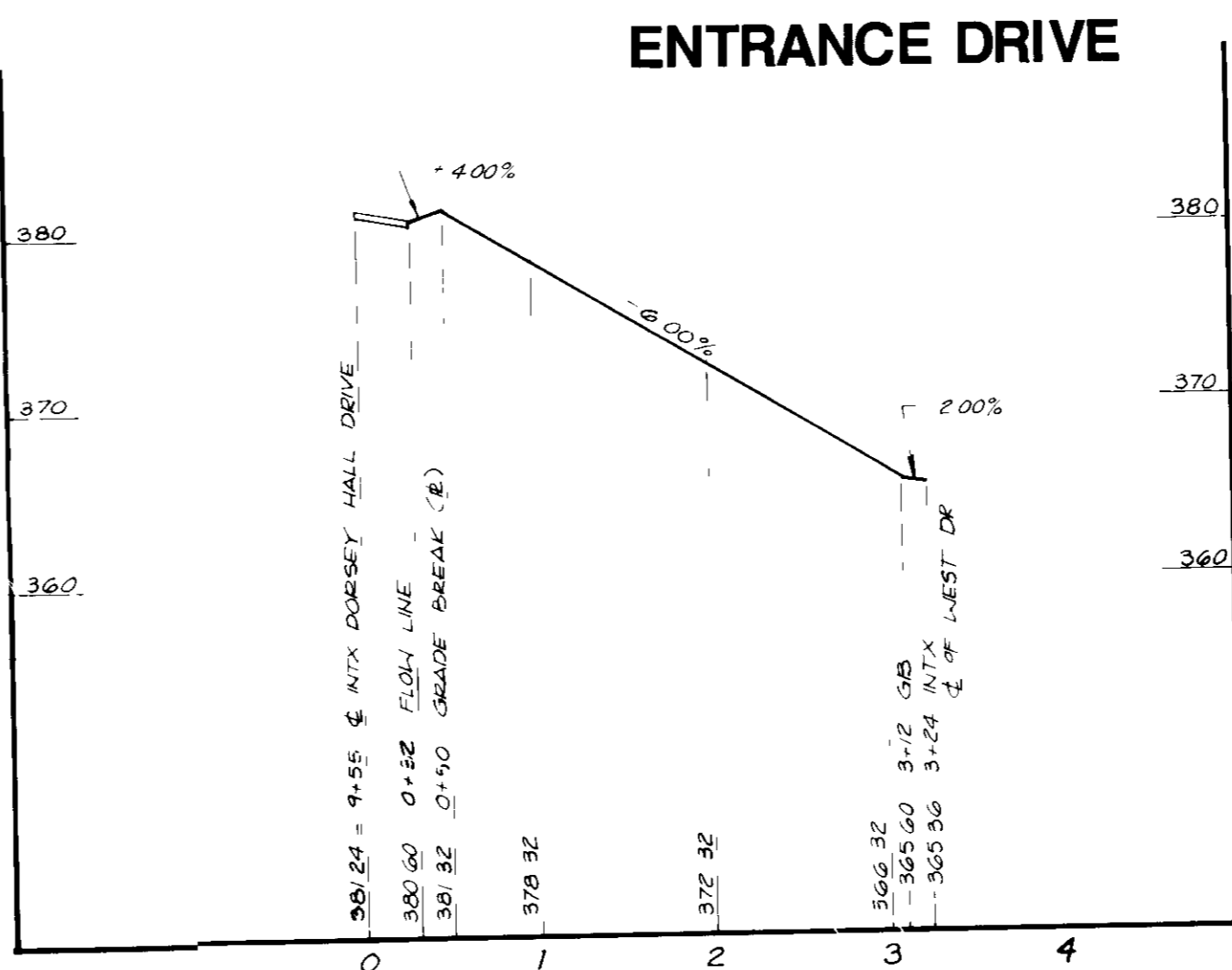
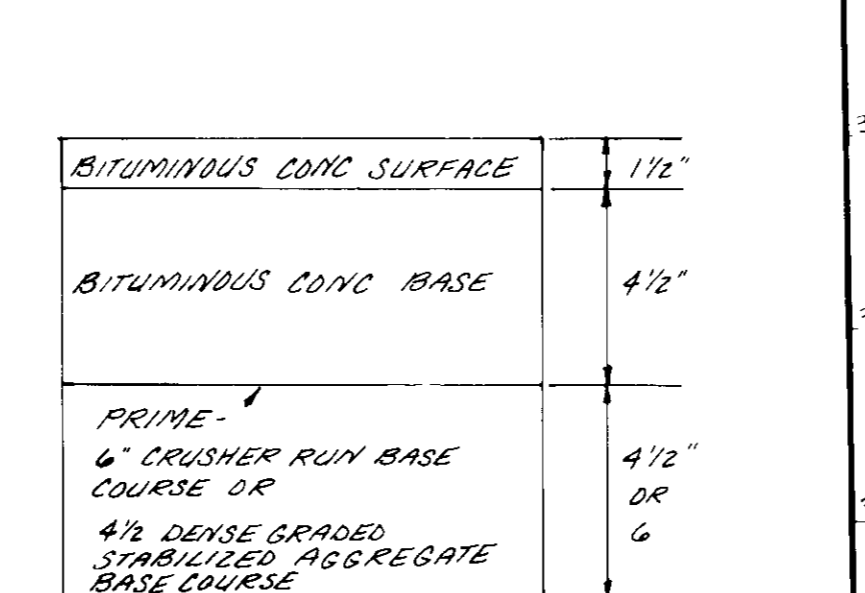
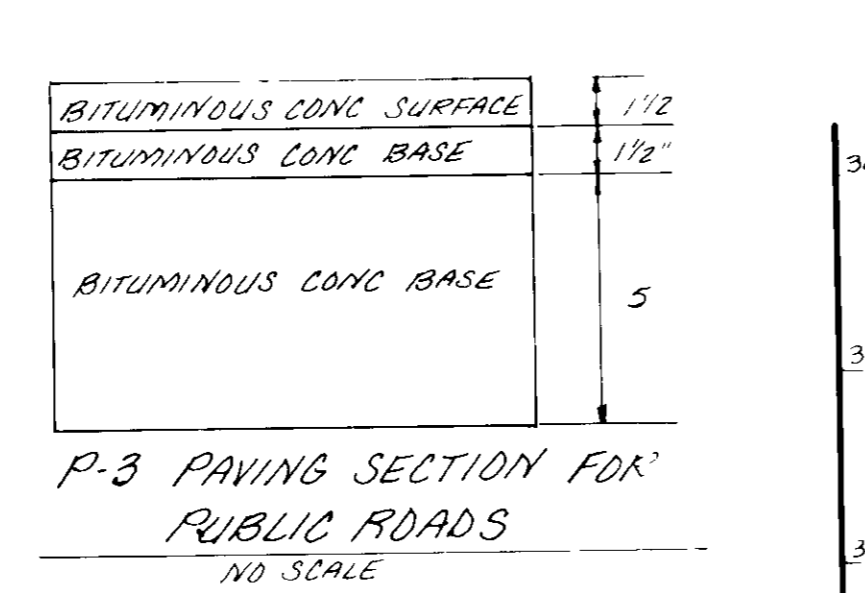
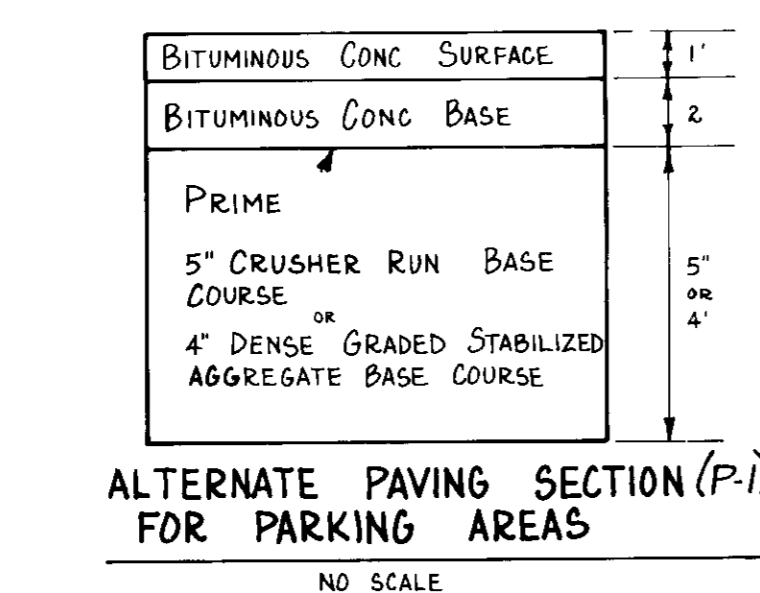
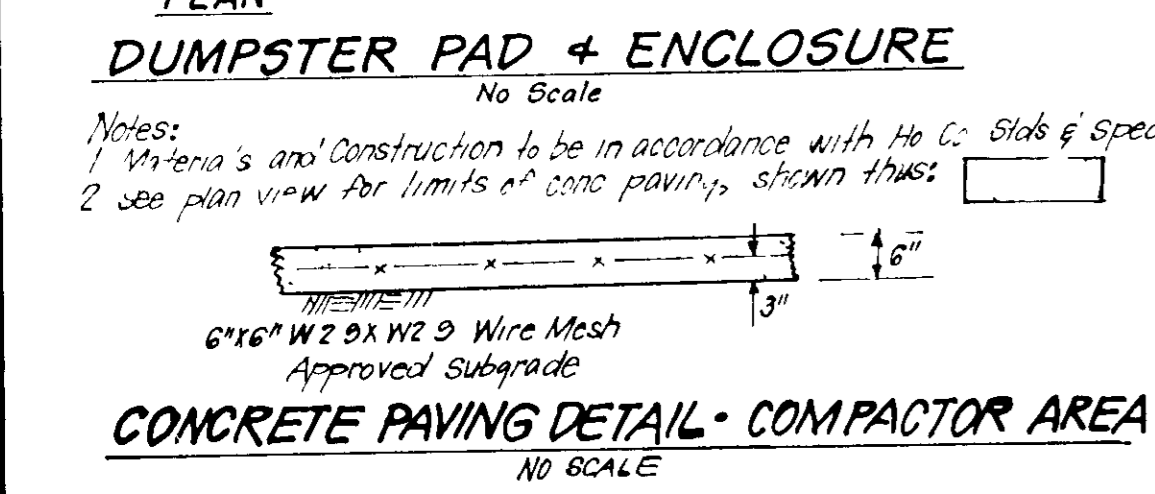
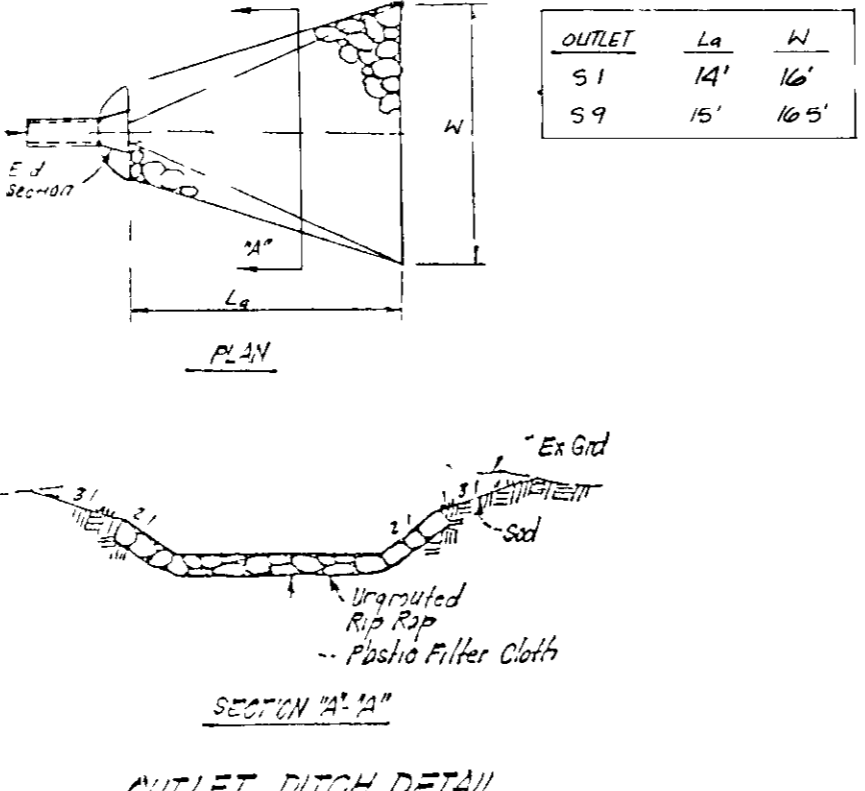
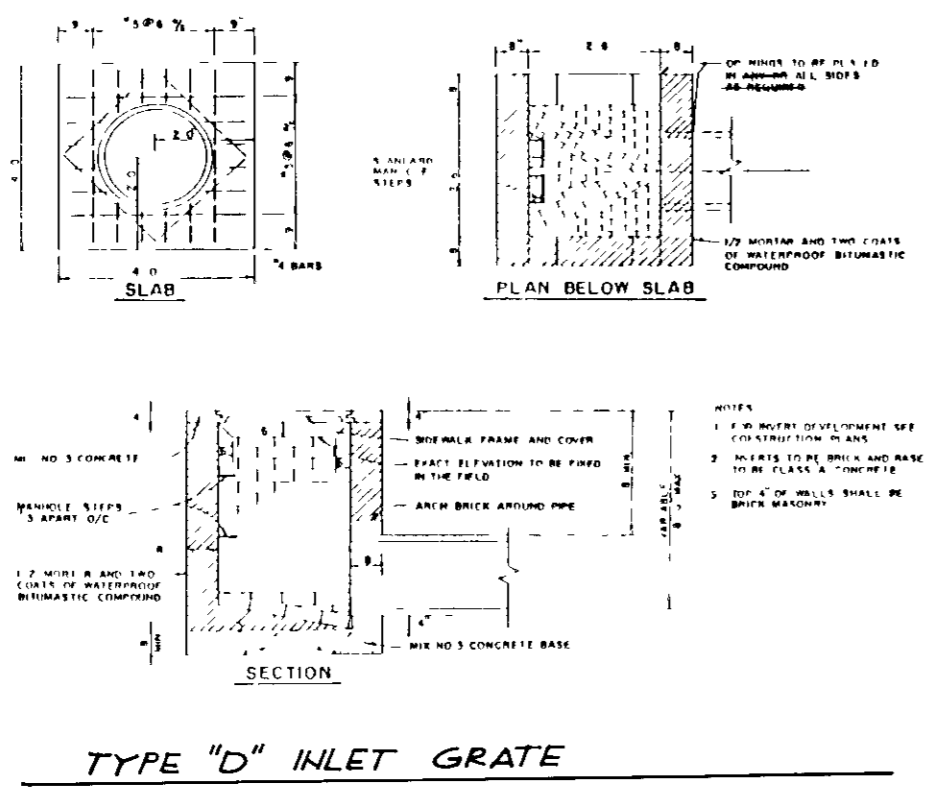
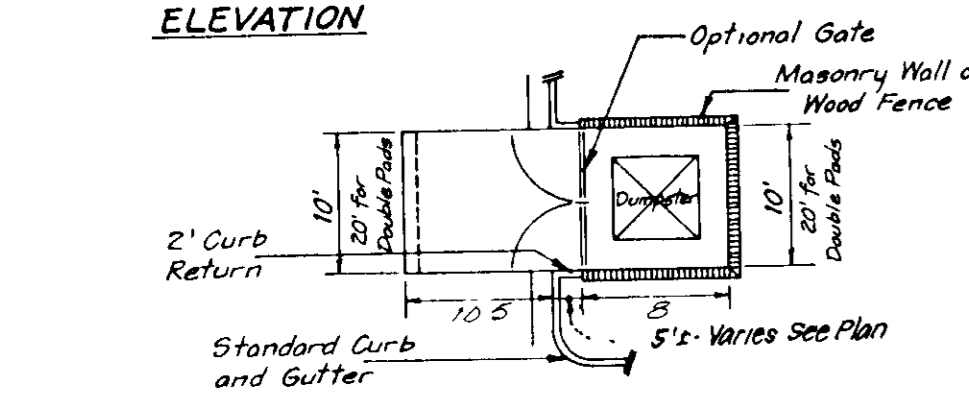
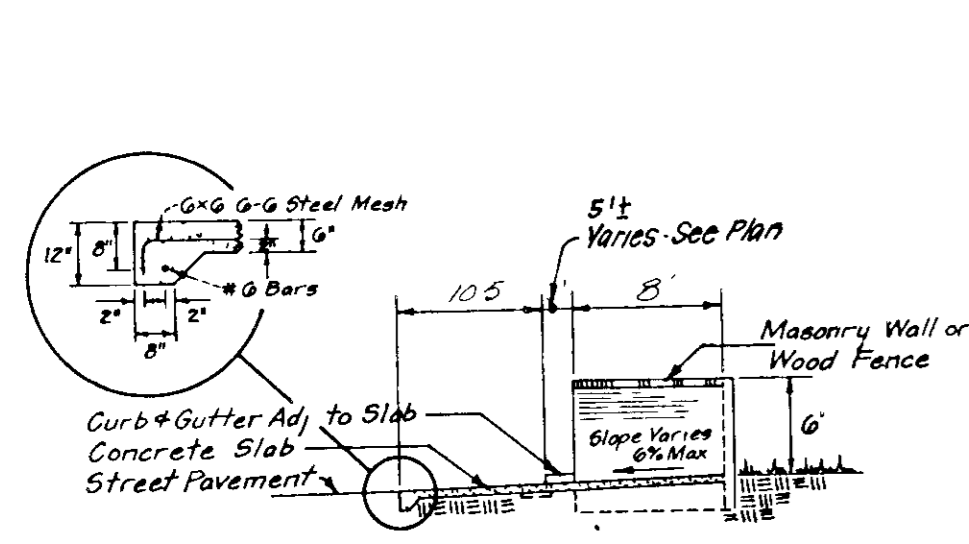
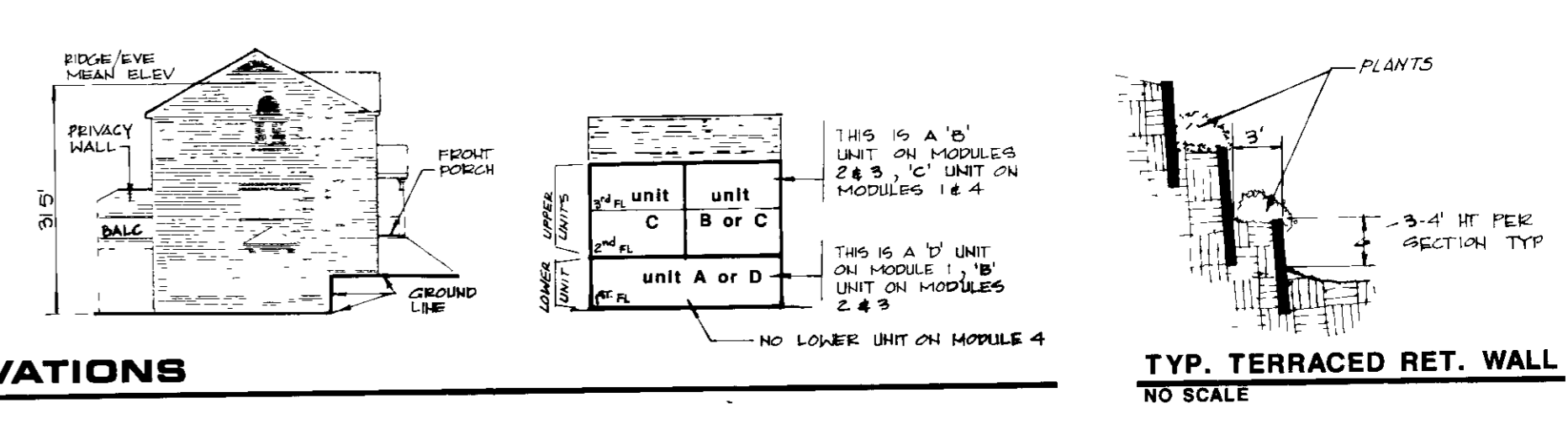
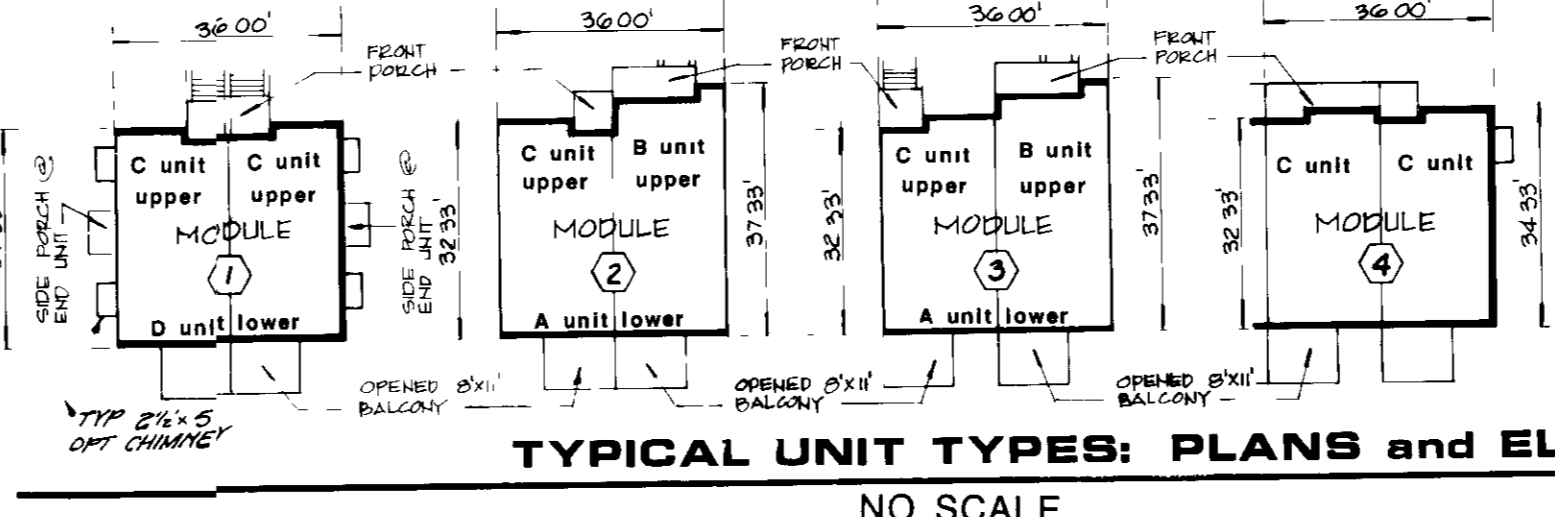
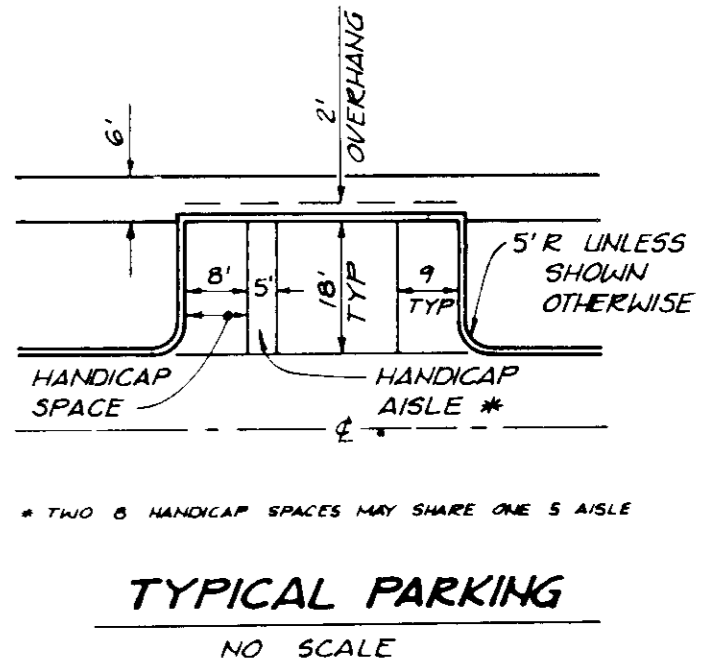
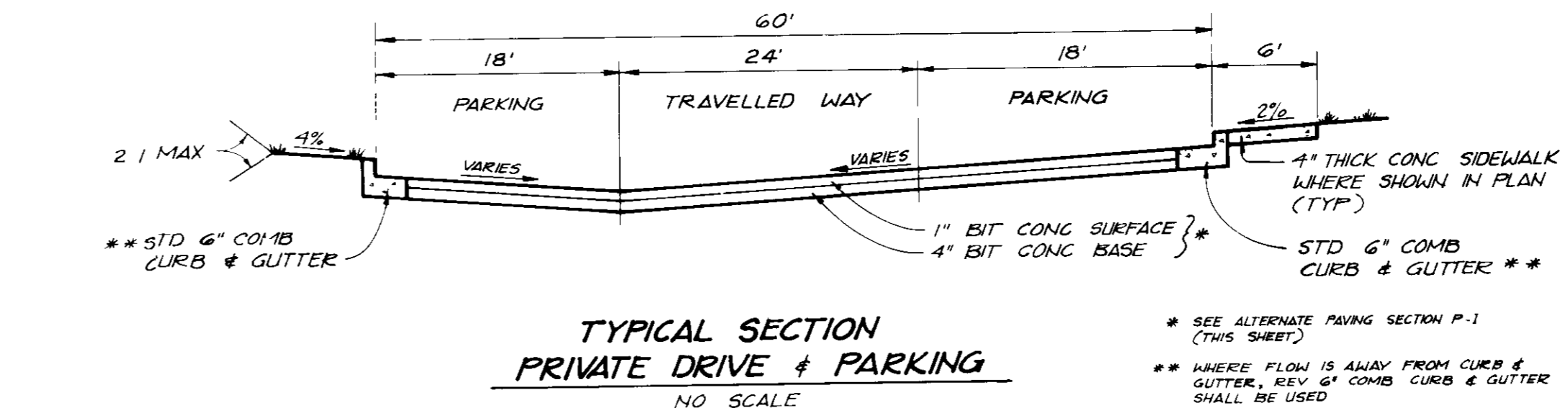
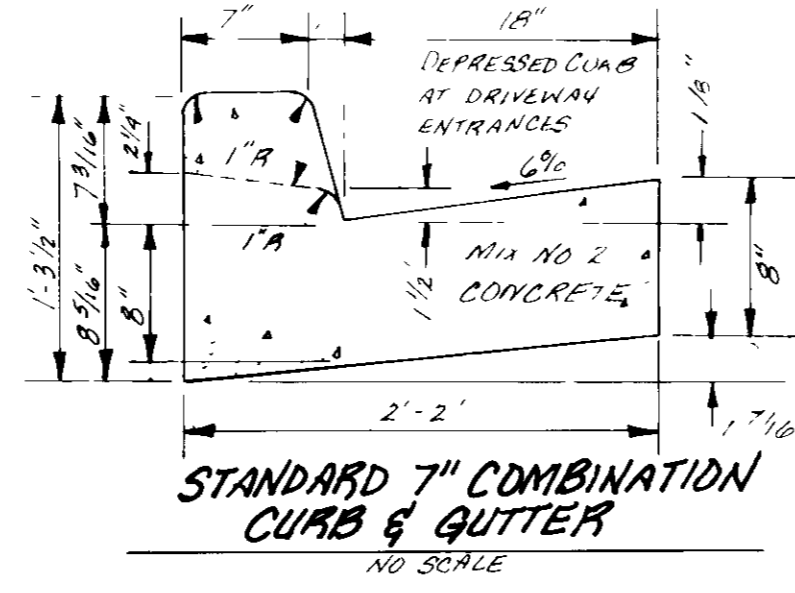
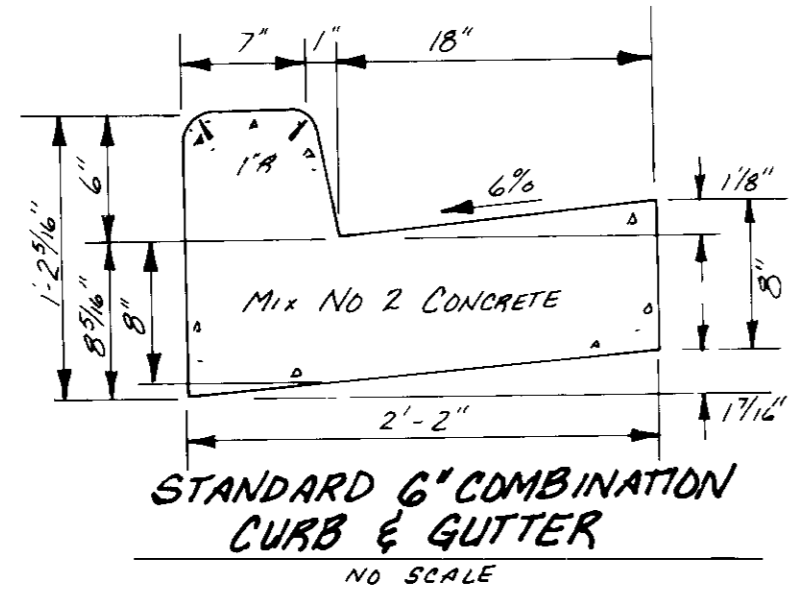
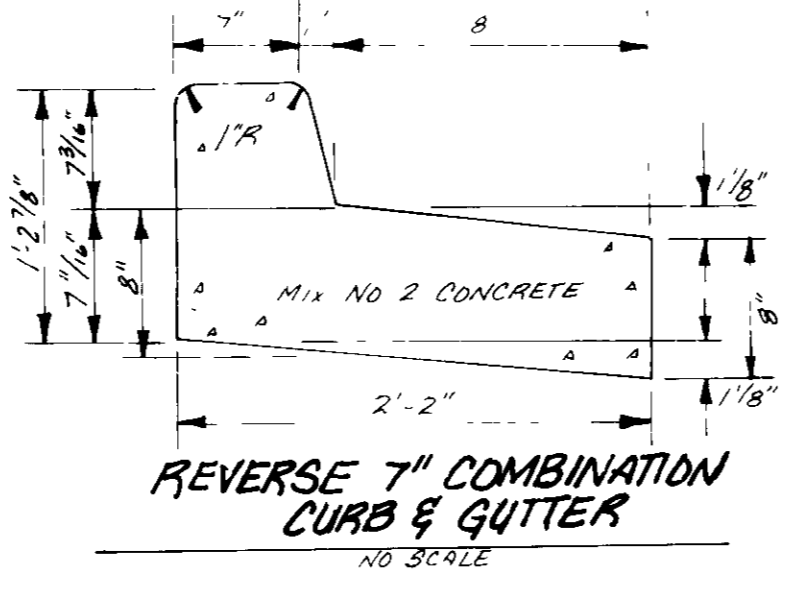
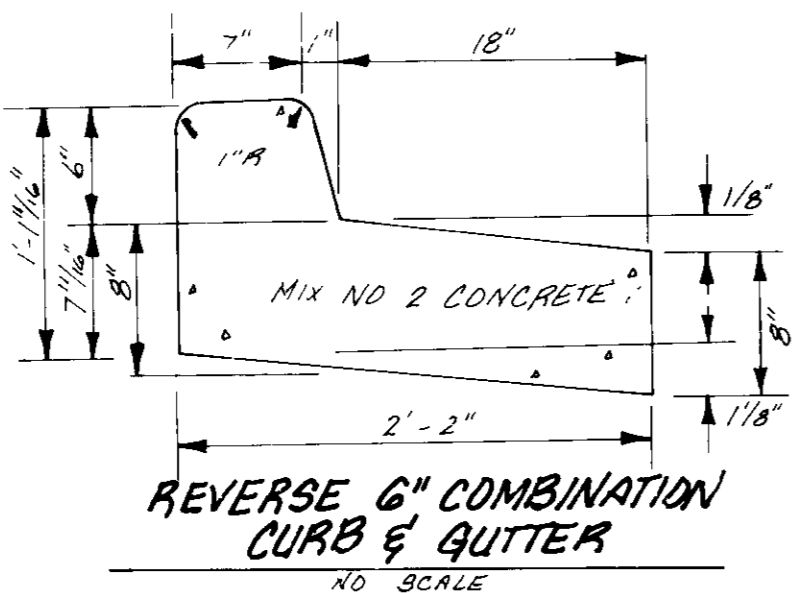
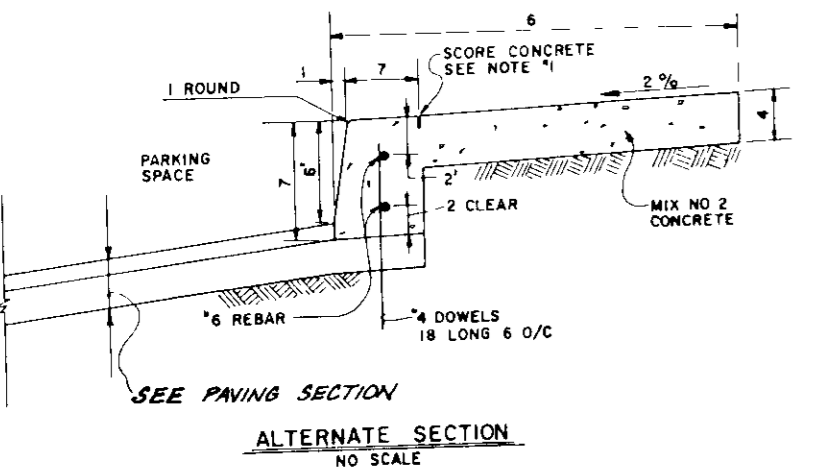
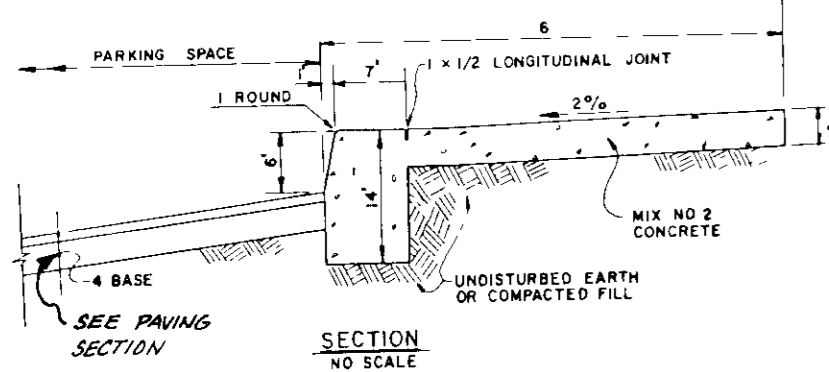
| SUBDIVISION NAME | SECT. AREA | LOT/PARCEL # | | | |
|------------------|------------|--------------|-----------|--------------|------------|
| DORSEY HALL | 213 | J | | | |
| PLAT # | BLOCK # | ZONING | TAX MAP # | ELECT. DIST. | CENSUS TR. |
| 2950 | 4 | RA15 | 30 | 2 | 602301 |
| WATER CODE | SEWER CODE | | | | |
| F-10 | S750500 | | | | |

| DATE | BY | APP'R. | REVISION |
|--------|----|--------|---|
| 3-6-80 | TK | | ADDED OPTIONAL CHIMNEYS & CORRECTED LABELING OF MODULES IN BLDG "I" |

SDP-88-217

VOLUTIC CURB & SIDEWALK PRIVATE PARKING AREA

NOTES:
 1. LONGITUDINAL JOINT BETWEEN SIDEWALK AND CURB SHALL BE CONTINUOUS AND DEPTH OF 1/4" THE SIDEWALK THICKNESS OR MAX. LATITUDINAL JOINTS SHALL BE FROM BACK EDGE OF SIDEWALK, CONTINUOUS TO THE BOTTOM FACE OF CURB TO OF 1/4" AND SPACES 5 FEET.
 2. PROVIDE 1/2" EXPANSION JOINTS AT 15' INTERVALS IN LATITUDINAL JOINTS TO FULL CROSS-SECTION.



CONCRETE PAVING DETAIL - COMPACTOR AREA
 NO SCALE

6"x6" W x B x W 9 Wire Mesh Approved Subgrade

ALTERNATE PAVING SECTION (P-1) FOR PARKING AREAS
 NO SCALE

| | |
|--|----------|
| BITUMINOUS CONC SURFACE | 1" |
| BITUMINOUS CONC BASE | 2" |
| PRIME | 4" |
| 5" CRUSHER RUN BASE COURSE OR | 5" OR 4" |
| 4" DENSE GRADED STABILIZED AGGREGATE BASE COURSE | |

P-3 PAVING SECTION FOR PUBLIC ROADS
 NO SCALE

| | |
|-------------------------|--------|
| BITUMINOUS CONC SURFACE | 1 1/2" |
| BITUMINOUS CONC BASE | 1 1/2" |
| BITUMINOUS CONC BASE | 5" |

P-3 ALTERNATE PAVING SECTION FOR PUBLIC ROADS
 NO SCALE

| | |
|--|--------------|
| BITUMINOUS CONC SURFACE | 1 1/2" |
| BITUMINOUS CONC BASE | 4 1/2" |
| PRIME | 4" |
| 6" CRUSHER RUN BASE COURSE OR | 4 1/2" OR 6" |
| 4 1/2" DENSE GRADED STABILIZED AGGREGATE BASE COURSE | |

ENGINEER'S CERTIFICATE

"I certify that this work 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."

CK [Signature] 5/25/88 Date

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan and that any responsible person employed in the construction will use a Certificate of Acceptance as a Department of the Environment and Planning Department of the State of Maryland. I also authorize periodic on-site inspection by the HSCD."

Chandra M. Sullivan 5-25-88 Date
 Director of Development/Builder

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

[Signature] 10-19-88 Date
 County Health Officer

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

[Signature] 10-27-88 Date
 Director

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] 10-18-88 Date
 Director

GLW GUTSCHICK LITTLE & WEBER, P.A.
 ENGINEERS, PLANNERS, SURVEYORS
 3909 NATIONAL DRIVE SUITE 250 BURTONSVILLE OFFICE PARK BURTONSVILLE, MD 20866
 TELEPHONE (301) 421-4024

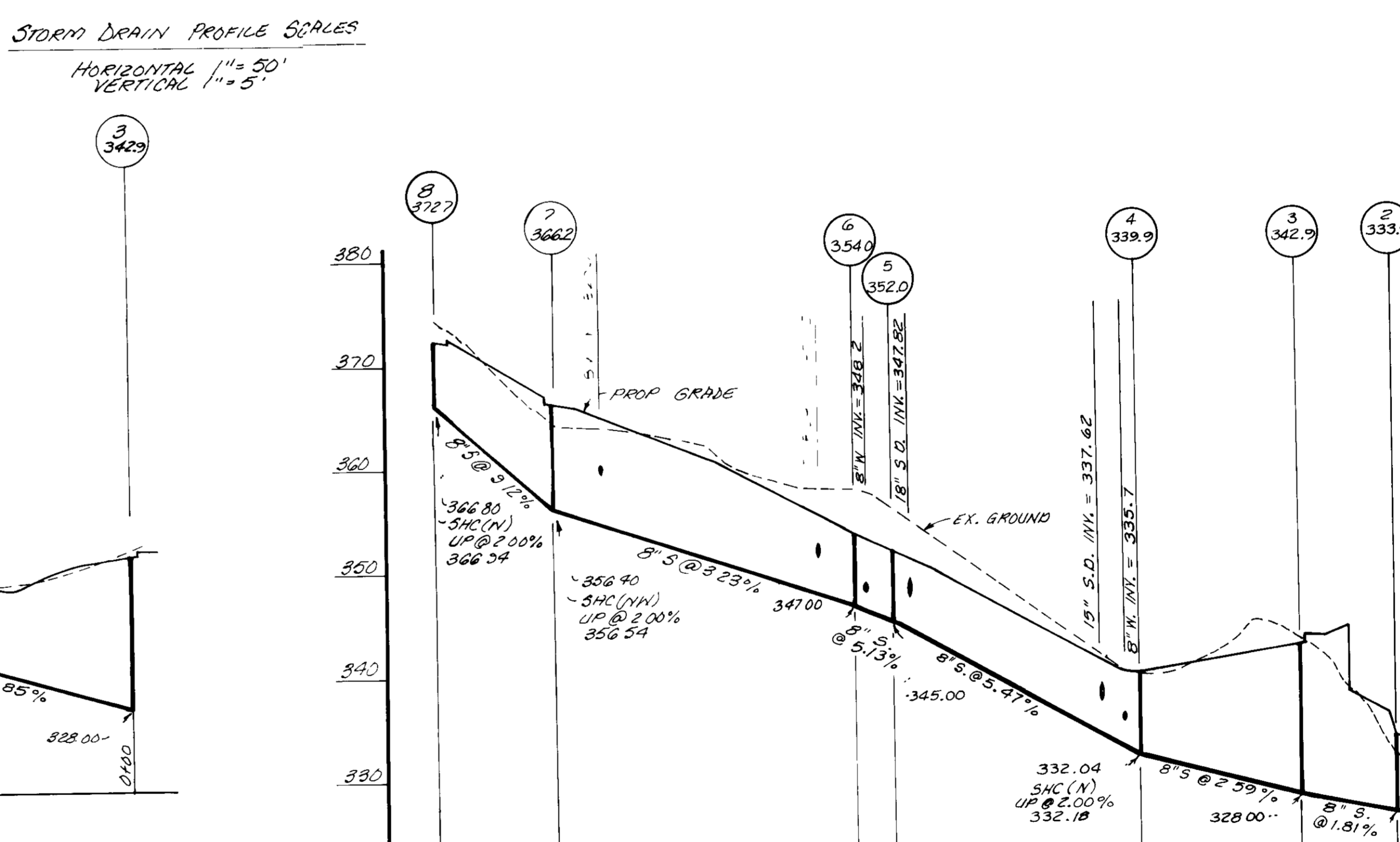
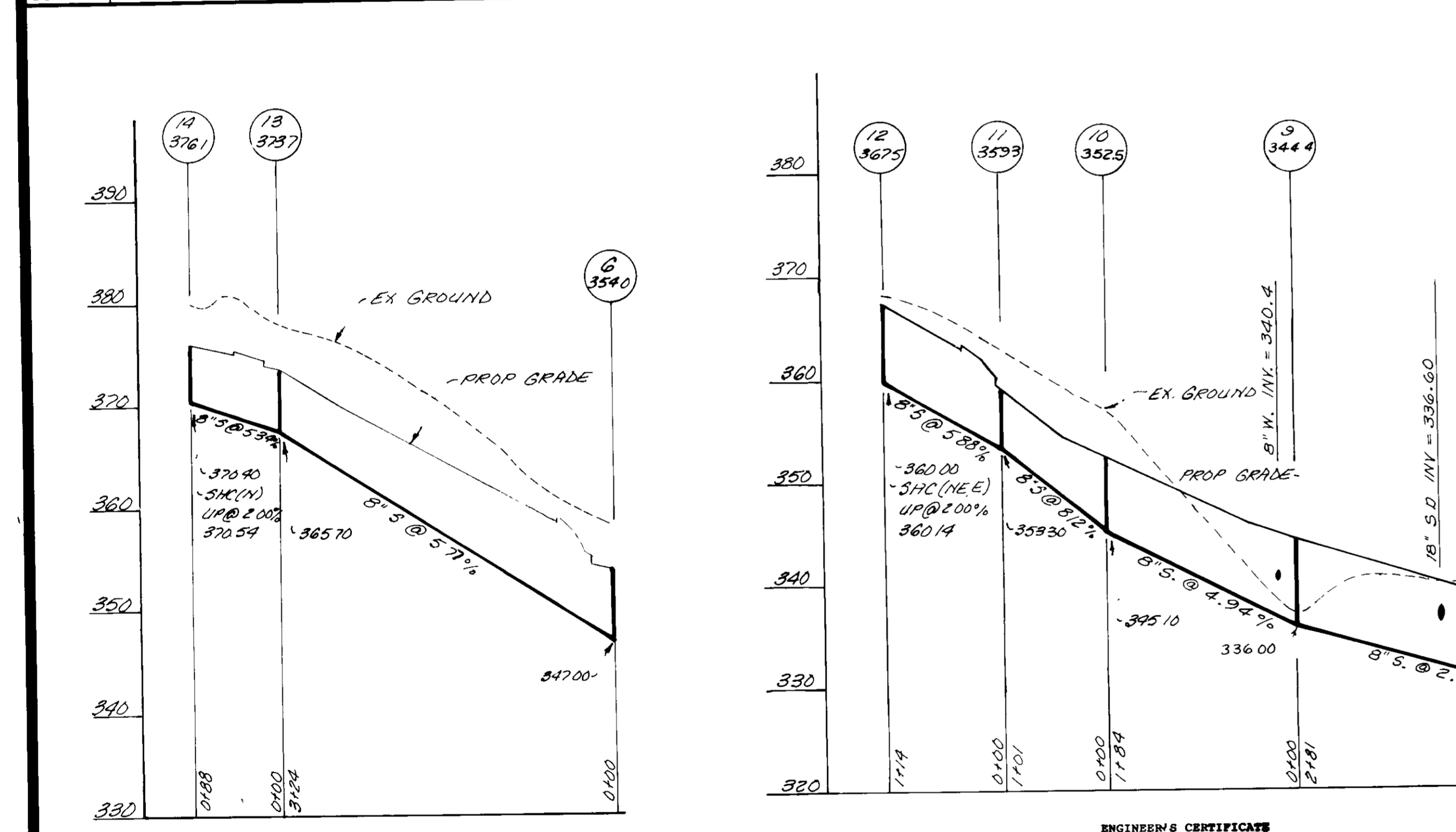
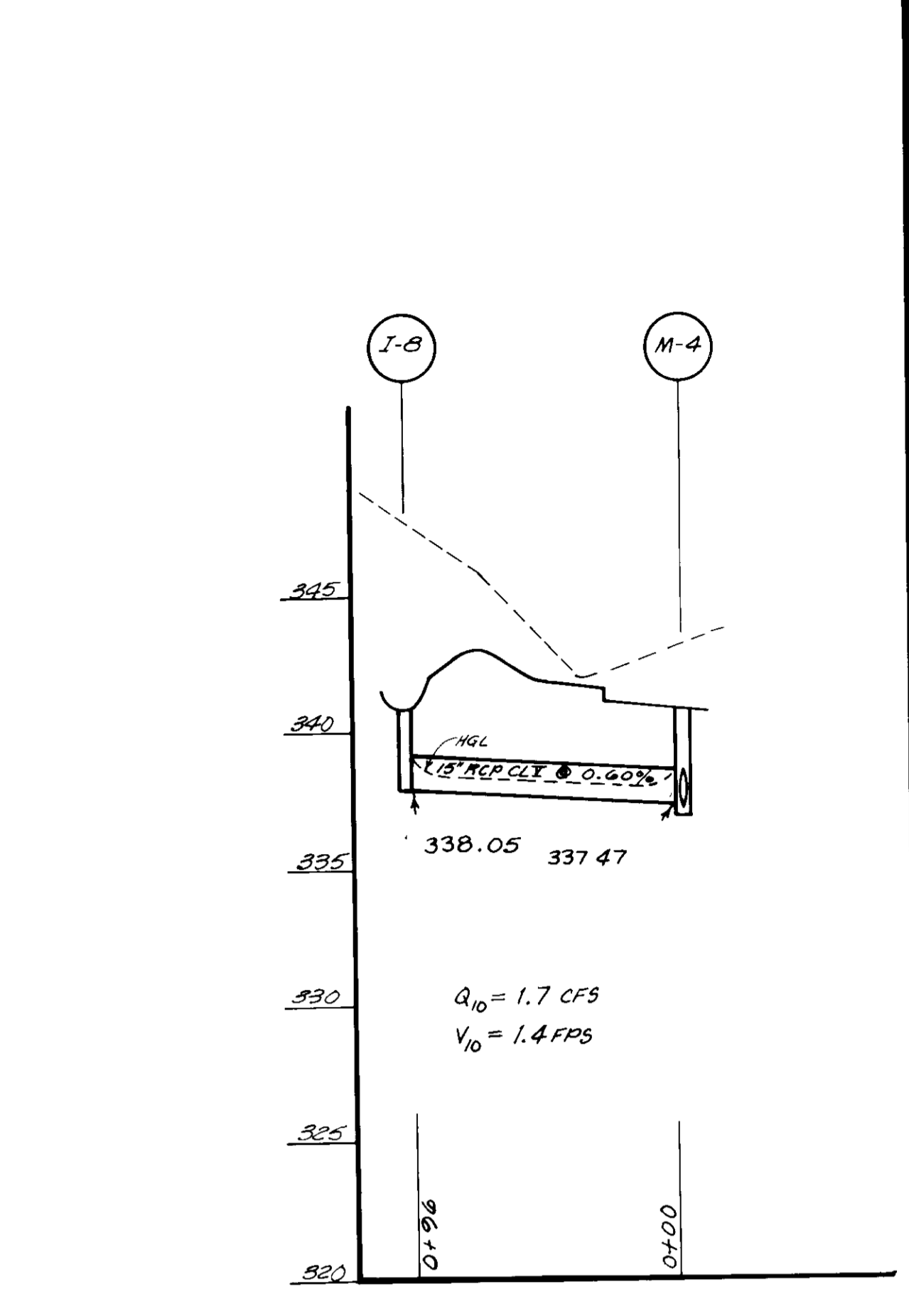
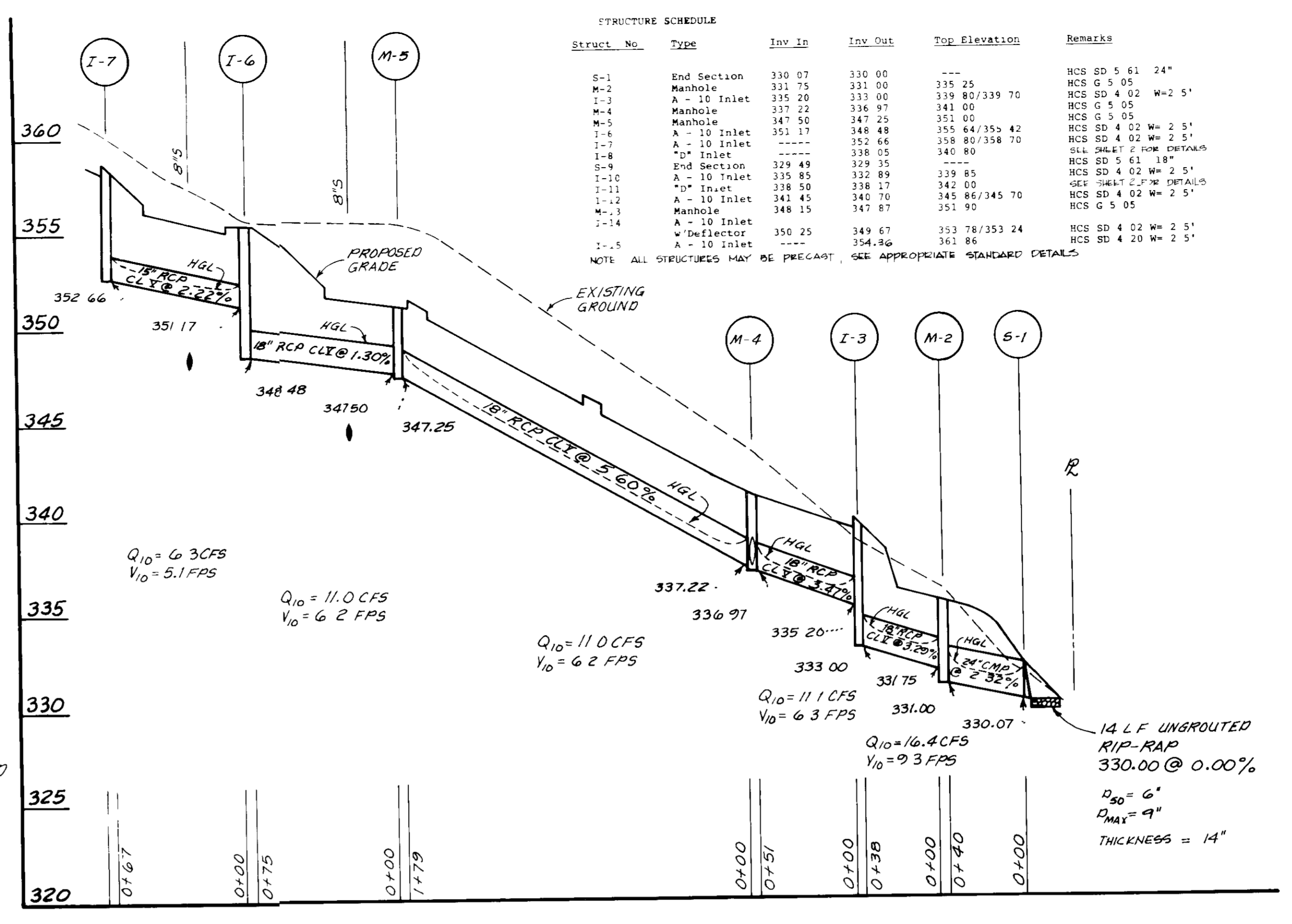
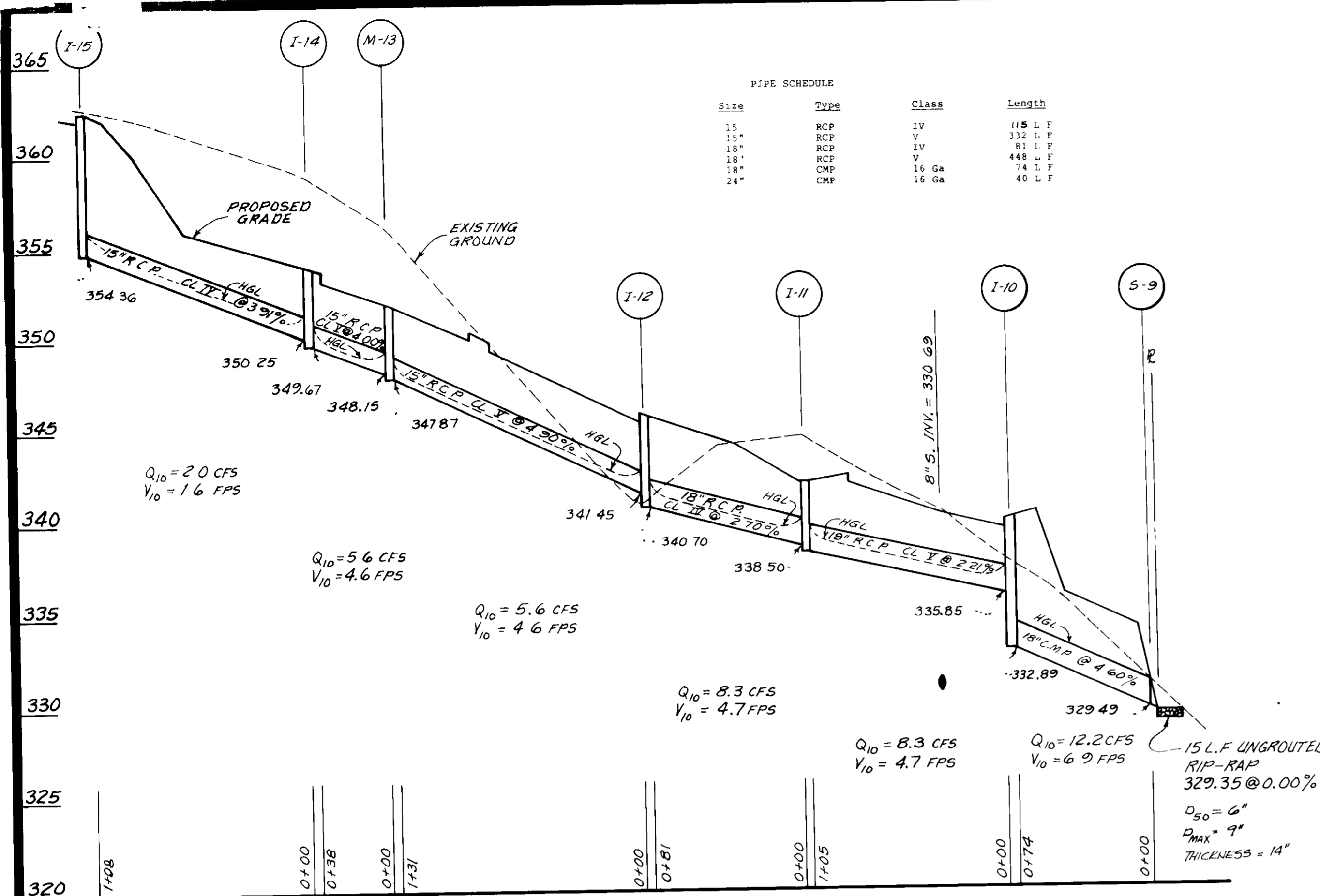
REVISION

| NO. | DATE | DESCRIPTION | BY | APP'R |
|--------|------|--|----|-------|
| 3-8-88 | | ADD OPTIONAL CHIMNEYS TO MODULES 1 & 4 | | |

PREPARED FOR
PORTEN-SULLIVAN CORP
 THREE BETHESDA METRO CENTER
 SUITE 900
 BETHESDA, MD 20814

DETAILS and ROAD PROFILES
DORSEY HALL - Parcel J
 SECTION 2 AREA 3
 SECOND ELECTION DISTRICT

| SCALE | ZONING | GLW FILE NO |
|----------|------------|-------------|
| AS SHOWN | RA 15 | 87-045 |
| DATE | TAX MAP NO | SHEET |
| MAY 1988 | 30 | 2 OF 6 |



WATER & SEWER NOTES

- All construction methods and materials for on-site private water & sewer systems shall follow the current edition of the Howard County Plumbing Code, supplemented by the Howard County Standard Details and Specifications, where necessary.
- All sewer mains shall be PVC, CSPX, VCPX or ACP Class 2400, except where indicated.
- Sewer house connections are 6" and shall be built to within 5' of buildings, at a slope of 2%.
- Areas where water house connections are to be built, shall be at final grade and connections shall be lead with a minimum of 4' of cover. Water house connections shall be seamless copper water tube ASTM Designation B88, soft temper, type K.
- Water house connections are to be sized as follows:

| Units to be served | MHC Size |
|--------------------|----------|
| 3 or less | 1" |
| 4 to 10 | 1-1/2" |
| 11 to 16 | 2" |

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

Reviewed for HOWARD S.C.D. and State Technical Requirements.

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

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING.

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

9-1-88

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."

C.K. Kubit

5/25/88

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan and that any responsible personnel involved in the construction... I 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 HPCD."

Signature of Developer/Builder

5-25-88

PREPARED FOR

PORTEN-SULLIVAN CORP.

THREE BETHESDA METRO CENTER SUITE 900 BETHESDA, MD 20814

STORM DRAIN AND SANITARY SEWER PROFILES

DORSEY HALL - Parcel J SECTION 2 AREA 3

SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

| SCALE | ZONING | GL.W. FILE No |
|----------|------------|---------------|
| AS SHOWN | RA 15 | 87 - 045 |
| DATE | TAX MAP No | SHEET |
| MAY 1988 | 30 | 3 OF 6 |

C.K. Webster 8-2-88
 8288
 9-1-88
 LKS

LEGEND

- 1/2" --- = EXISTING CONTOUR
- 1/2" --- = PROPOSED CONTOUR
- = LIMIT OF DISTURBANCE
- 1/2" --- = STABILIZED CONSTRUCTION ENTRANCE
- 1/2" --- = SLOPES ON THE BANK WITHIN THE TRAPS
- 1/2" --- = EARTH DIKE (ED)
- 1/2" --- = SILT FENCE
- 1/2" --- = SAFETY FENCE AROUND ALL TRAPS
- 1/2" --- = RIP-RAP OR STONE
- 1/2" --- = EXISTING DRAINAGE DIVIDE
- 1/2" --- = PROPOSED DRAINAGE DIVIDE

SEQUENCE OF CONSTRUCTION
 1. UP-DATE GRADING PERMIT TO INCLUDE SIFT DEVELOPMENT PLAN
 2. ARRANGE PRE-CONSTRUCTION MEETINGS WITH SEDIMENT CONTROL INSPECTOR
 3. MODIFY EXISTING SEDIMENT CONTROL MEASURES AS REQUIRED AND INSTALL REMAINDER OF SEDIMENT CONTROL MEASURES
 4. CONSTRUCT BUILDINGS, EXCEPT M-1 & M-2 AND INSTALL UTILITIES AND STORM DRAINAGE SYSTEMS. DELAY CONSTRUCTION OF STORM DRAINS BETWEEN S-9 & I-10 AND BETWEEN S-1 & M-1
 5. INSTALL TEMPORARY STORM DRAIN PIPE FROM M-1 AND S-1 TO TRAP NO. 1
 6. INSTALL CURB AND GUTTER AND BASE PAVE AREAS
 7. FINE GRADE REMAINDER OF THE SITE
 8. STABILIZE ALL REMAINING AREAS
 9. BACKFILL TRAP NO. 1 THEN CONSTRUCT TWO LAST BUILDINGS AND INSTALL STORM DRAINS FROM M-2 TO S-1 AND FROM I-10 TO S-9
 10. REMOVE SEDIMENT CONTROLS ONLY WHEN ALL DISTURBED AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY THE SEDIMENT CONTROL INSPECTOR
 11. INSTALL SURFACE COURSE PAVING

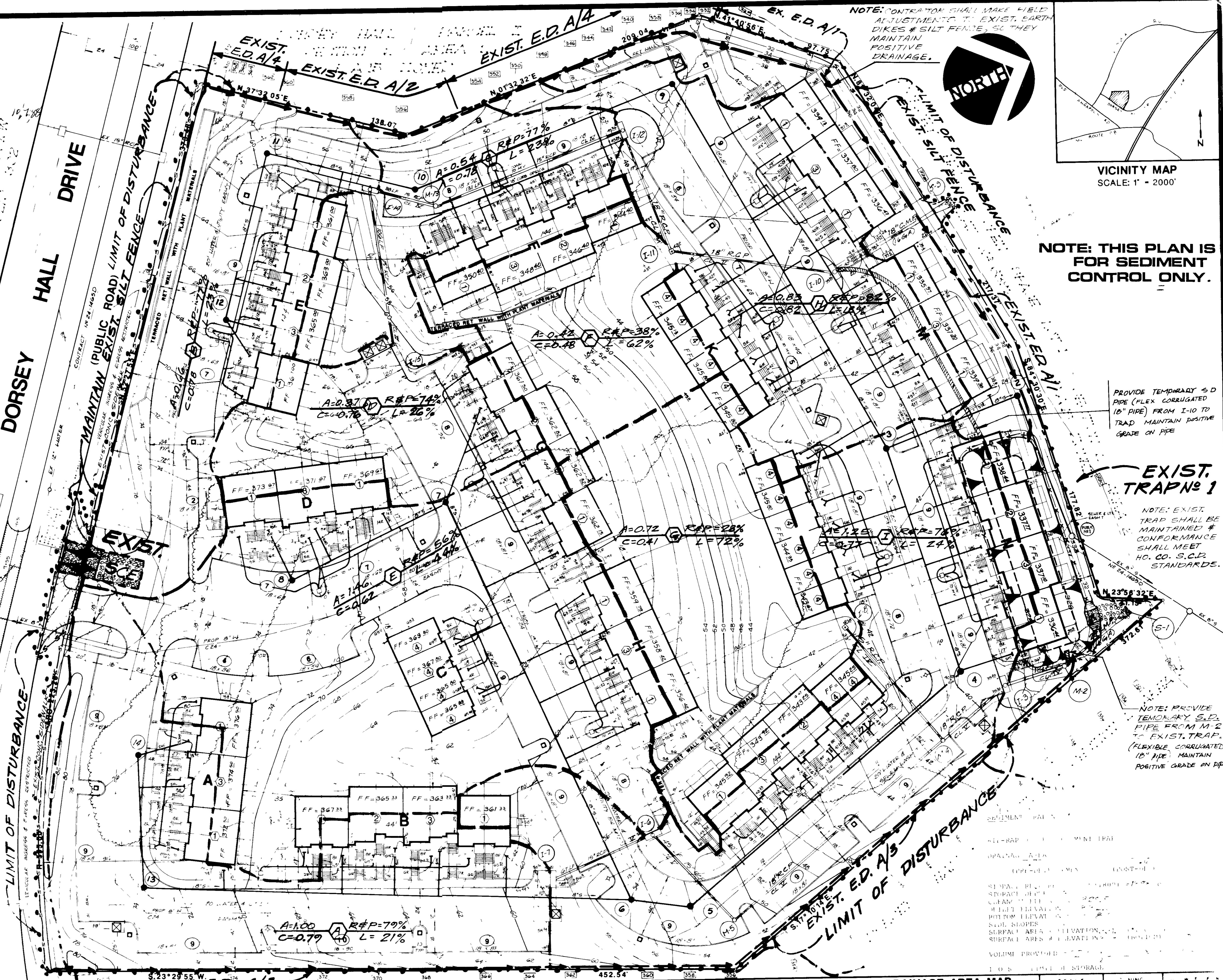
- LEGEND**
- (340) 142 EXIST. METERS
 - 1/2" --- PROPOSED CONTOURS
 - 1/2" --- PROPOSED SPILL EYE
 - 1/2" --- PROPOSED TRASH DUMPS
 - 1/2" --- PROPOSED STAIR LIGHT
 - 1/2" --- PROPOSED PARKING AREA WITH NUMBER OF SPACES & DIMENSION
 - 1/2" --- EXIST. PARKING AREA WITH DIMENSION

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 Date: 8-19-88

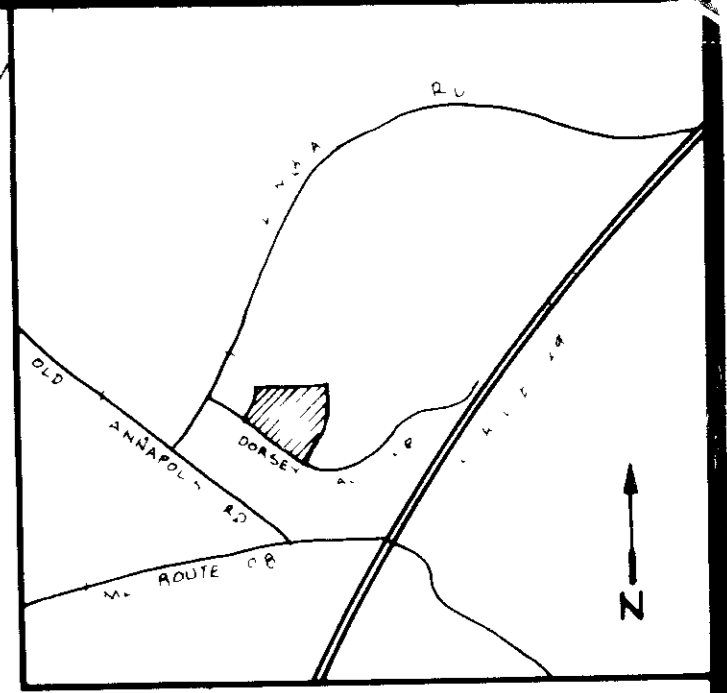
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Date: 8-27-88

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Date: 10-18-88

G.W. GUTSCHICK LITTLE & WEBER, P.A.
 ENGINEERS, PLANNERS, SURVEYORS
 3600 NATIONAL DRIVE SUITE 280 BURTONSVILLE OFFICE PARK BURTONSVILLE MD 20866
 TELEPHONE (301) 421-4024



NOTE: CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO EXIST. EARTH DIKES & SILT FENCES, SO THEY MAINTAIN POSITIVE DRAINAGE.



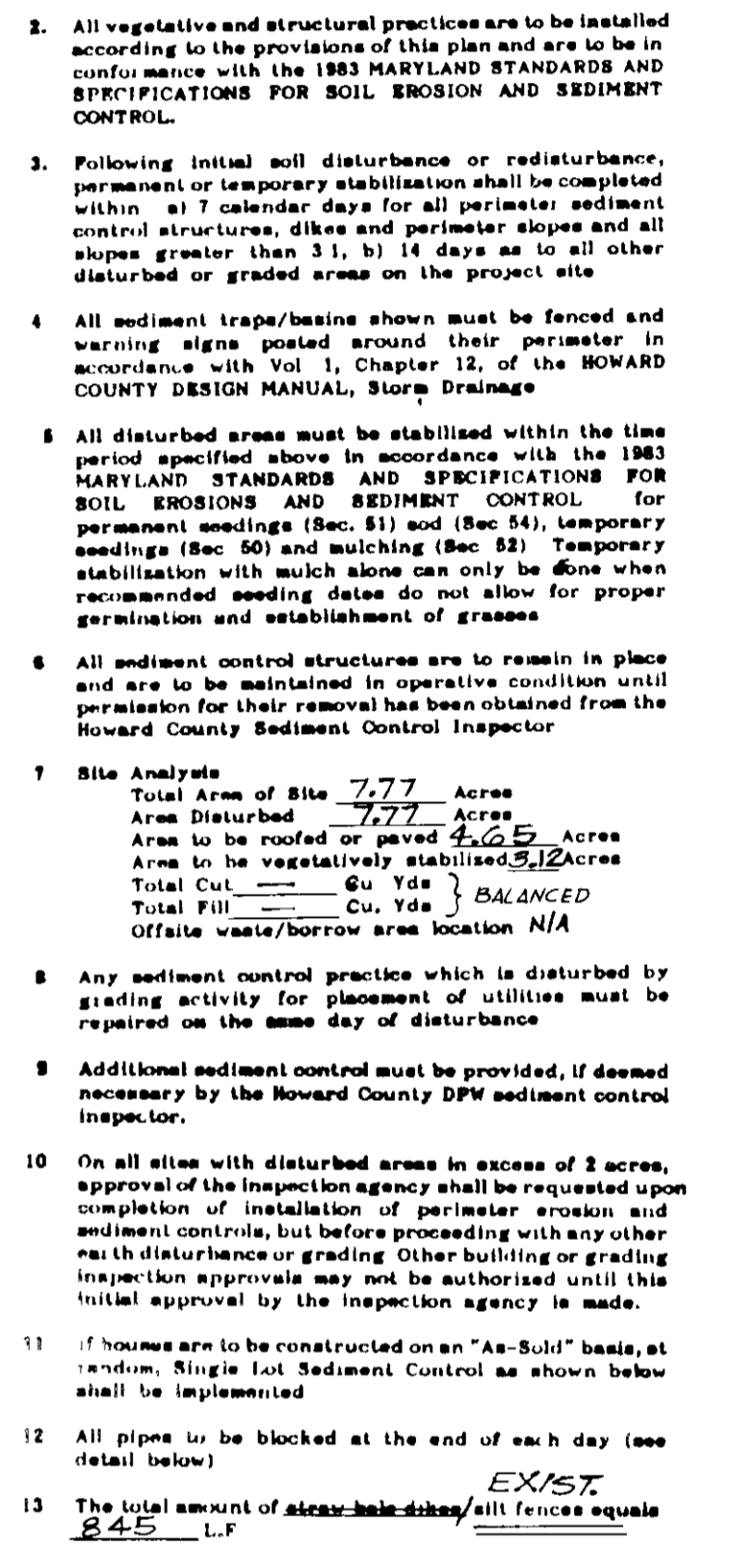
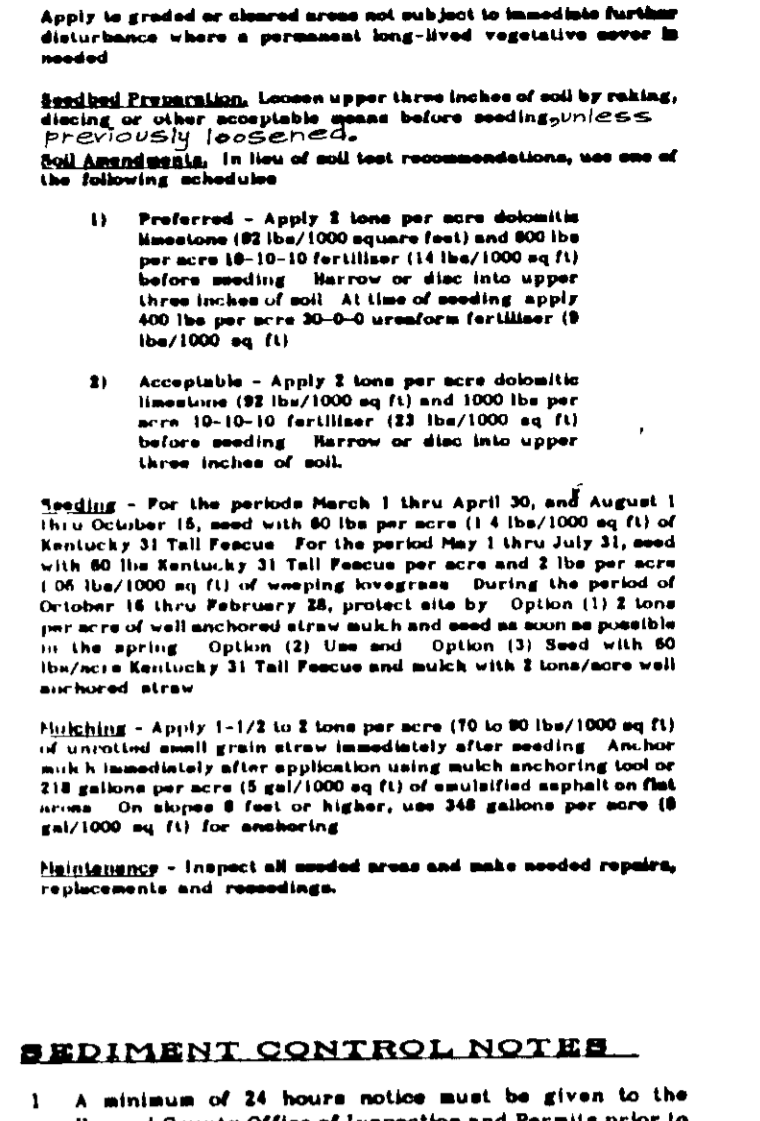
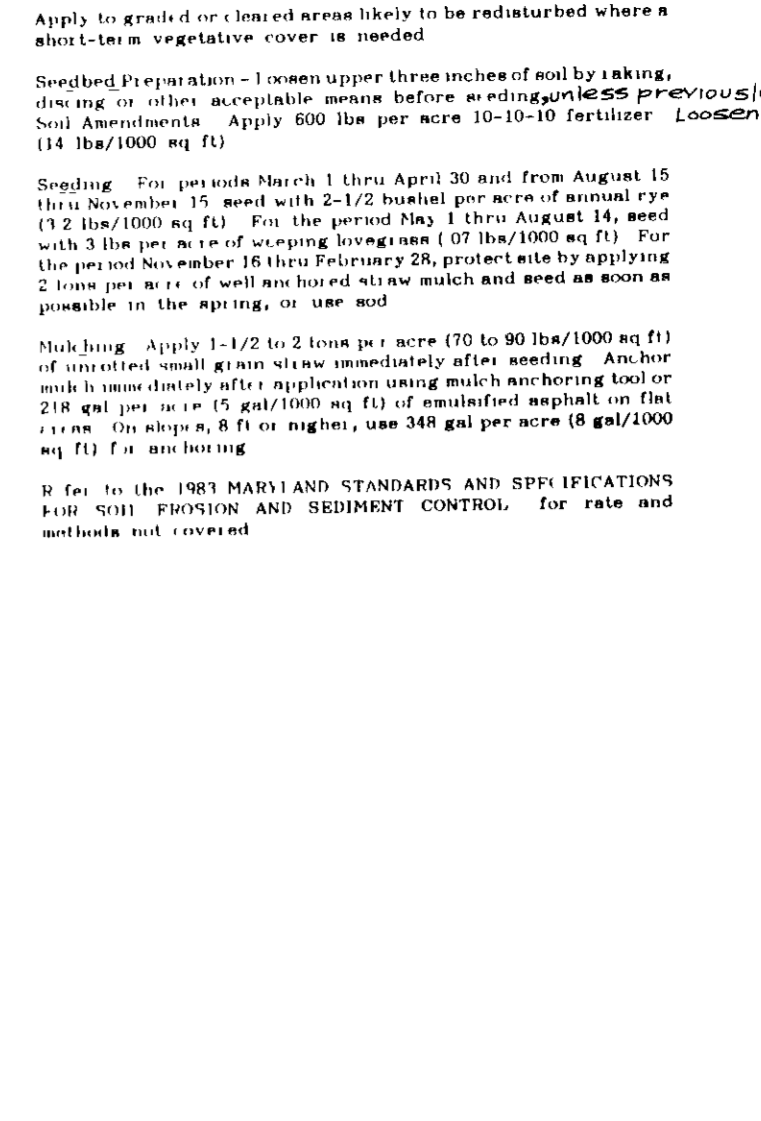
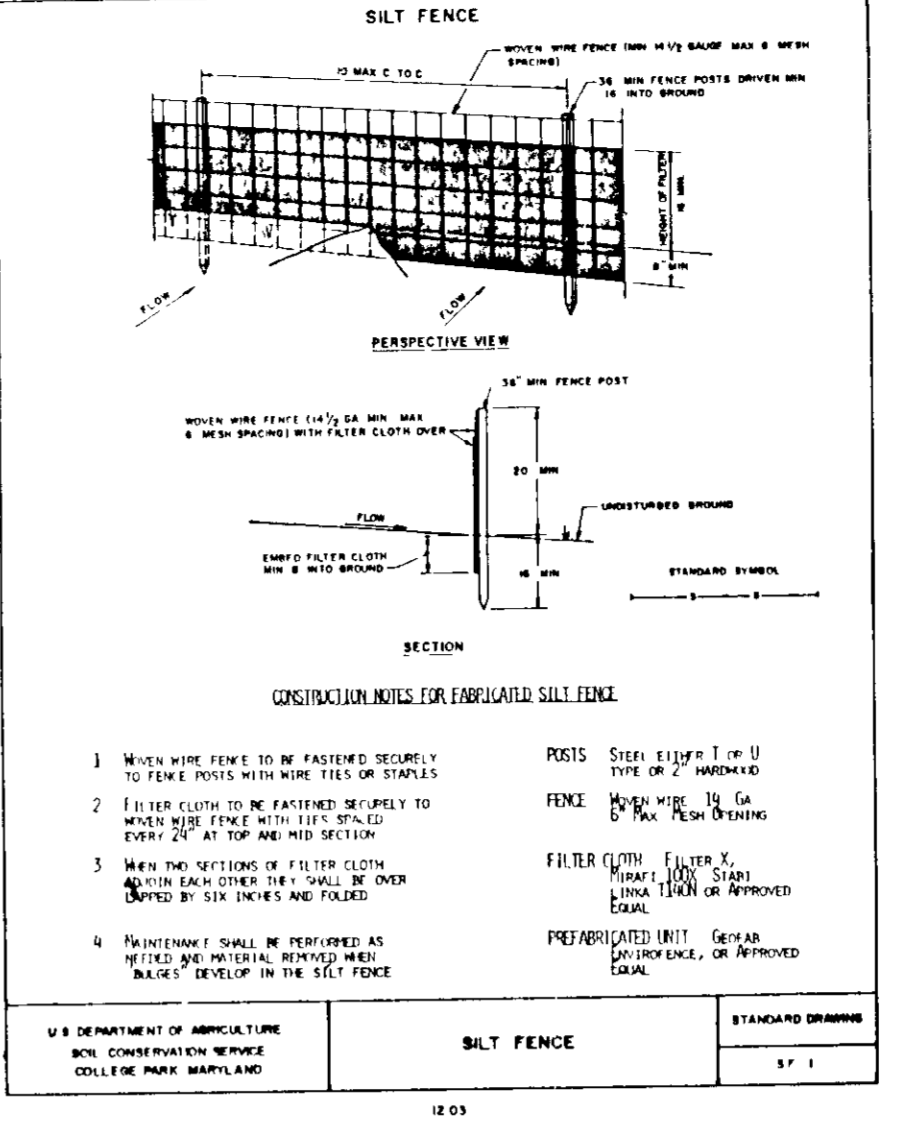
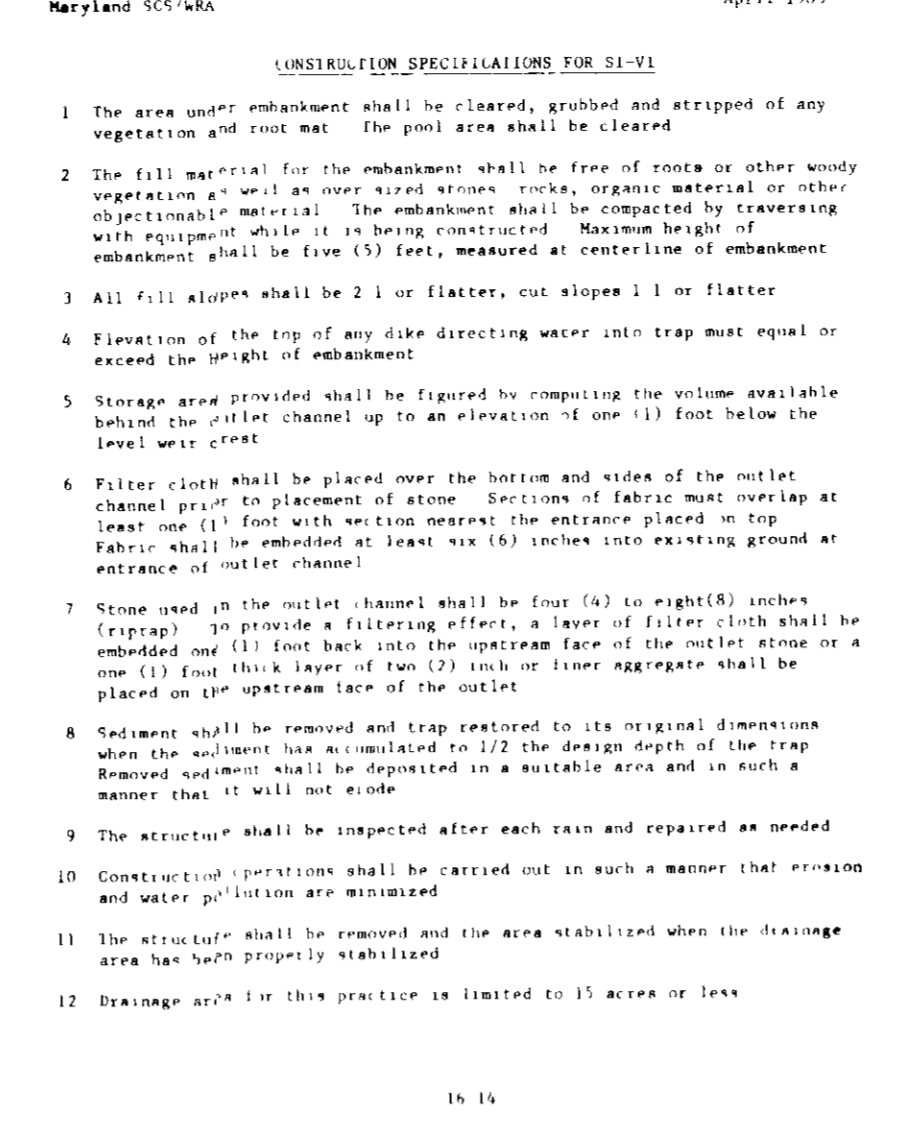
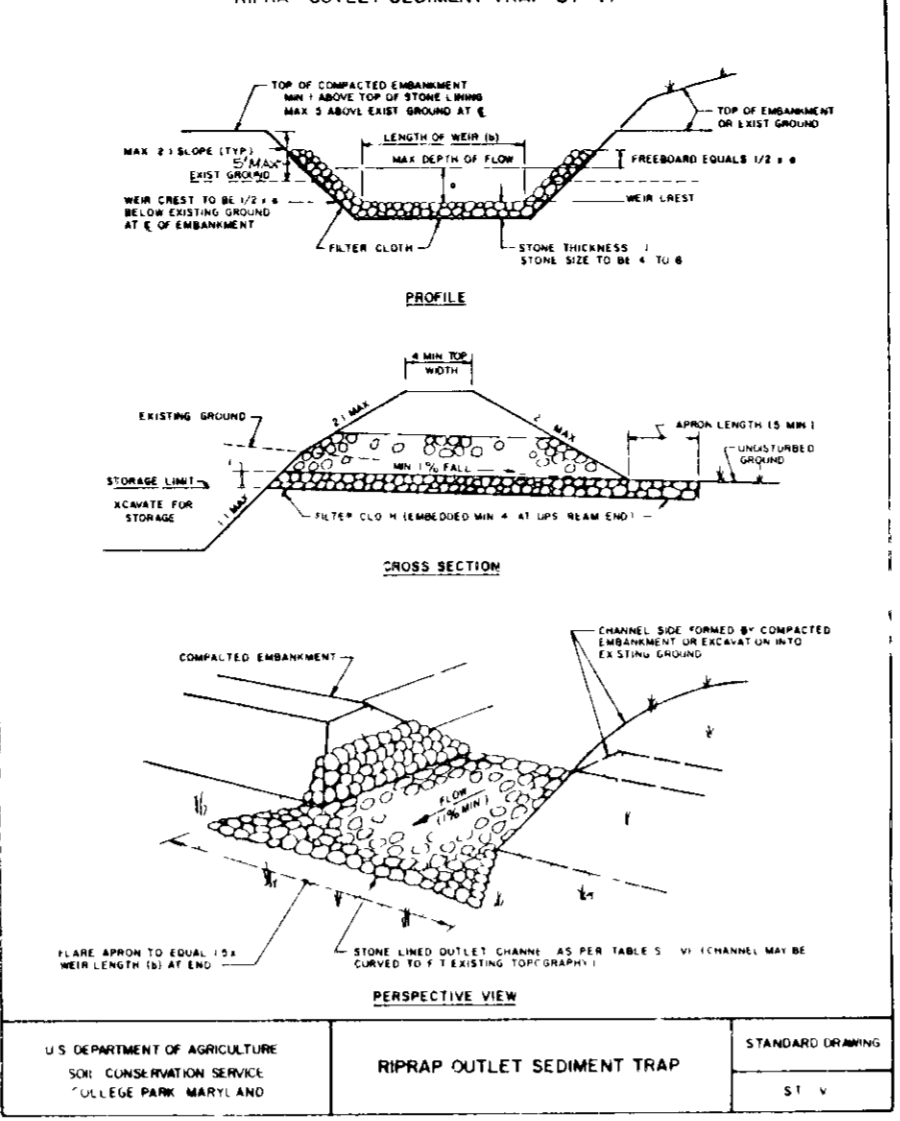
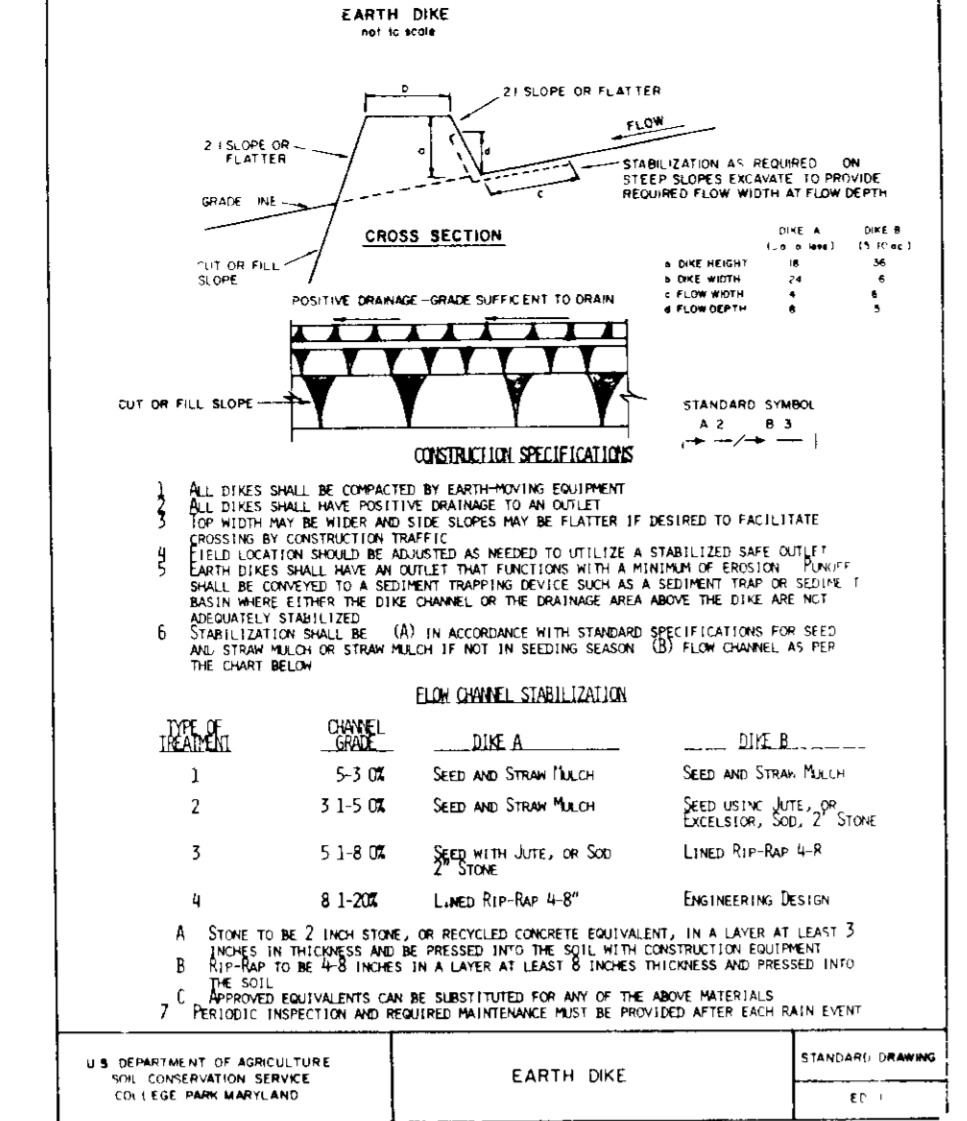
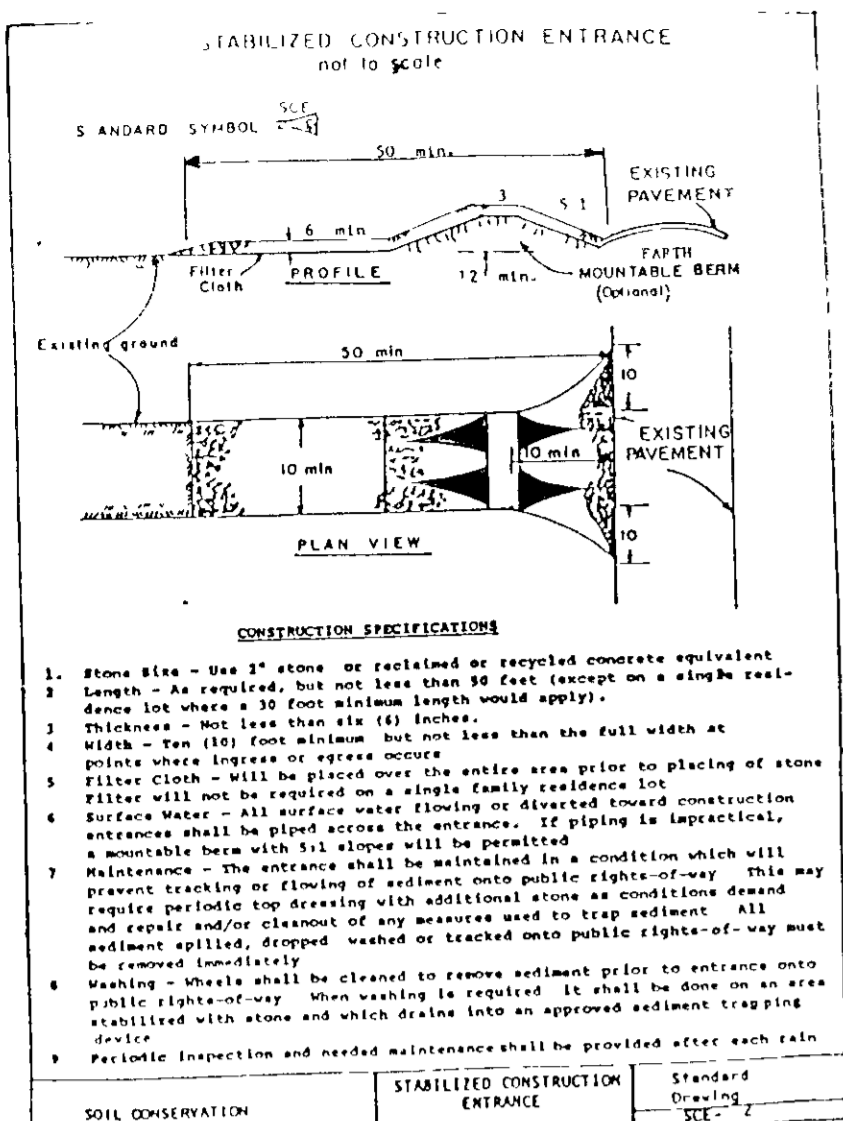
NOTE: THIS PLAN IS FOR SEDIMENT CONTROL ONLY.

PROVIDE TEMPORARY S/D PIPE (FLEX CORRUGATED 18" PIPE) FROM I-10 TO TRAP MAINTAIN POSITIVE GRADE ON PIPE

EXIST. TRAP NO. 1
 NOTE: EXIST. TRAP SHALL BE MAINTAINED & CONFORMANCE SHALL MEET HO. CO. S.C.D. STANDARDS.

NOTE: PROVIDE TEMPORARY S/D PIPE FROM M-2 TO EXIST. TRAP. (FLEXIBLE CORRUGATED 18" PIPE) MAINTAIN POSITIVE GRADE ON PIPE

| | | | | | | |
|--|--|--|--|-------------------|------------------|------------------------|
| PREPARED FOR PORTEN-SULLIVAN CORP. THREE BETHESDA METRO CENTER SUITE 900 BETHESDA, MD 20814 | | SEDIMENT AND EROSION CONTROL PLAN AND DRAINAGE AREA MAP | | SCALE 1" = 30' | ZONING RA 15 | BLOCK 87 - 045 |
| FOR SITE DEVELOPMENT PLAN DORSEY HALL - Parcel J | | SECOND ELECTION DISTRICT SECTION 2 AREA 3 HOWARD COUNTY MARYLAND | | DATE 1988 | TAX MAP No 30 | SHEET 4 OF 6 |
| REVISION BY APPR | | DATE | | SDP-88-217 | | |



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

[Signature] 10/2/88

Reviewed for HOWARD S.C.D. and meets Technical Requirements.

[Signature] 10/2/88



C.K. Luttrell

ENGINEER'S CERTIFICATE

"I certify that this plan for erosion and sediment control represents a practical and feasible 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] 5/25/88

REGISTERED PROFESSIONAL ENGINEER'S CERTIFICATE

"I have carefully read all development and construction plans done according to this plan and I have any responsible personnel involved in the construction of this plan and I have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion on Construction Sites."

I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY *[Signature]* 5-25-88

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
10-28-88

APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING
10-22-88

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
9-1-88

GW GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3909 NATIONAL DRIVE SUITE 250 BURTONSVILLE OFFICE PARK BURTONSVILLE, MD 20886
TELEPHONE (301) 421-4024
DES R.R.S. DRN R.R.S. CHK C.K.G.

PREPARED FOR
PORTEN-SULLIVAN CORP.
THREE BETHESDA METRO CENTER SUITE 900 BETHESDA, MD 20814

SEDIMENT AND EROSION CONTROL DETAILS
FOR SITE DEVELOPMENT PLAN
DORSEY HALL - Parcel J SECTION 2 AREA 3
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

| | | |
|-------------------|------------------|-----------------------|
| SCALE NO SCALE | ZONING RA 15 | GLW FILE NO 87-042 |
| DATE JULY 1988 | TAX MAP No 30 | SHEET 5 OF 6 |

PLANTING SCHEDULE

| KEY | NAME (botanical/common) | SIZE | QUANT | REMARKS |
|-----|--|------------------------|-------|------------------|
| 1 | Acer saccharum / Sugar Maple | 2-5-3 cal 12-14 ht. | 26 | BBB full heads |
| 2 | Gleditsia triacanthos / Shadblow / Shadblow Lorist | | 26 | |
| 3 | Quercus phellos / Willow Oak | | 30 | |
| 4 | Liquidambar styraciflua / Sweet Gum | | 27 | |
| 5 | Tilia cordata / Littleleaf Linden | | 52 | |
| 6 | Prunus serrulata / Kwanzan / Kwanzan Cherry | 2-2-5 cal 18-10 ht. | 95 | BBB full heads |
| 7 | Prunus yoshino yedoensis / Yoshino Cherry | | 28 | |
| 8 | Koelreuteria paniculata / Golden rain tree | | 2 | |
| 9 | Cercis canadensis / Eastern Redbud | | 14 | |
| 10 | Pinus strobus / Eastern White Pine | 2-2-5 cal 16-8 ht. | 106 | BBB heavy & full |
| 11 | Cedrus deodora / Deodora Cedar | | 31 | |
| 12 | Quercus rubra / Red Oak | 2-2-5 cal 12-14 ht. | 14 | BBB full heads |
| 13 | Platanus acerifolia / London plane tree | | 5 | |
| 14 | Cornus florida / White Flowering Dogwood | 2-2-5 cal | 18 | |



VICINITY MAP
SCALE: 1" = 2000'



9-1-95
LWS

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Date: 10-19-88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
Date: 10-27-88

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Date: 10-27-88



C.K. Little

GLW GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3908 NATIONAL DRIVE SUITE 250 BURTONSVILLE OFFICE PARK BURTONSVILLE, MD 20886
TELEPHONE (301) 421-4024

| DATE | REVISION | BY | APP'R |
|------|----------|----|-------|
| | | | |
| | | | |

PREPARED FOR
PORTEN-SULLIVAN CORP.
THREE BETHESDA METRO CENTER
SUITE 900
BETHESDA, MD 20814

PLANTING PLAN
DORSEY HALL - Parcel J
SECTION 2 AREA 3
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

| | | |
|-------------------|------------------|-------------------------|
| SCALE 1" = 30' | ZONING RA 15 | GLW FILE NO 87 - 045 |
| DATE 1988 | TAX MAP NO 30 | SHEET 6 OF 6 |