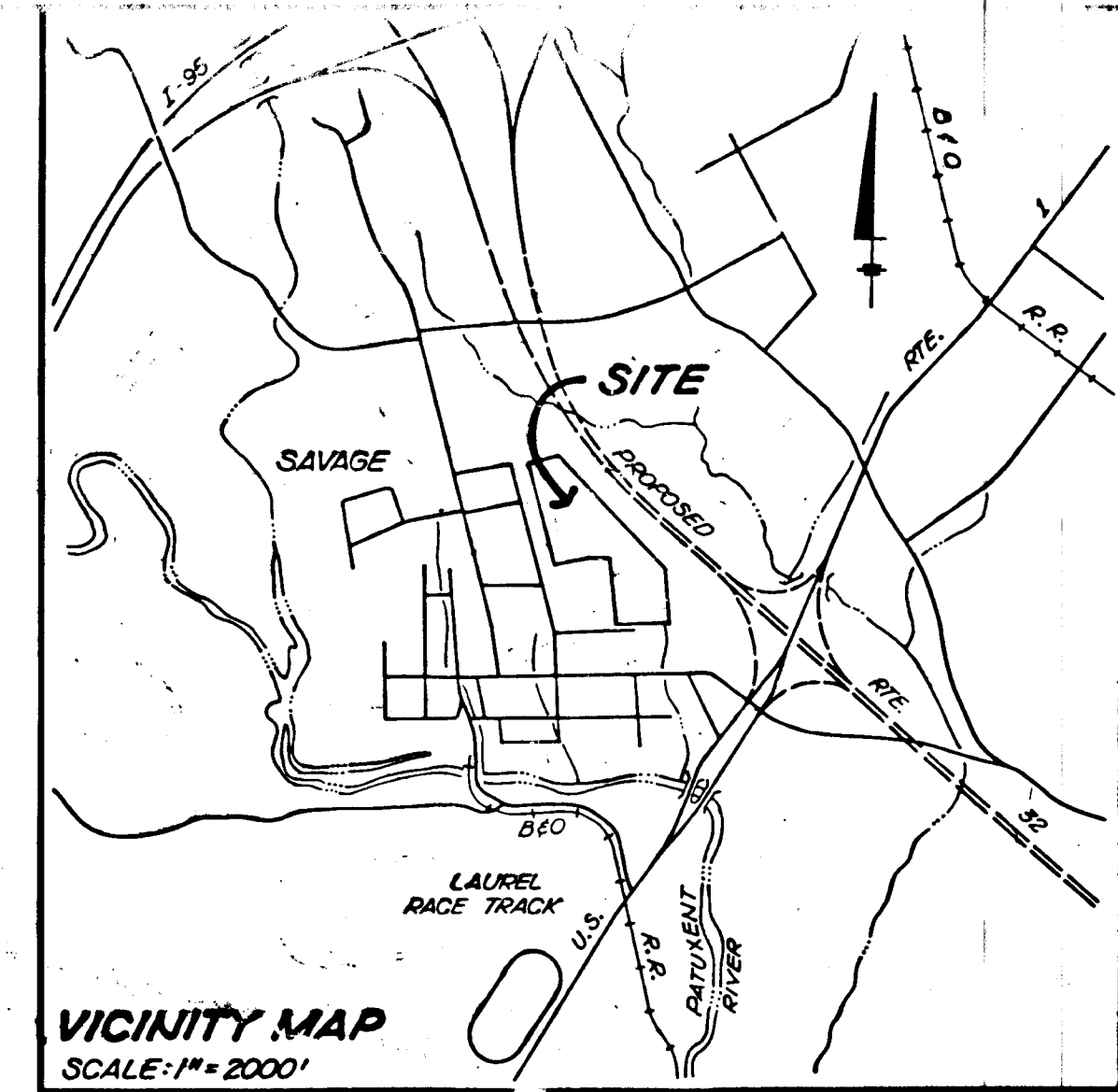


SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	ROAD PLAN & PROFILE, STORM DRAIN PLAN
3	STANDARD DETAILS
4	STORM DRAIN PROFILE, DRAINAGE AREA MAP
5	SEDIMENT CONTROL DETAILS AND NOTES

**ROADWAY, STORM DRAIN & DETAILS**

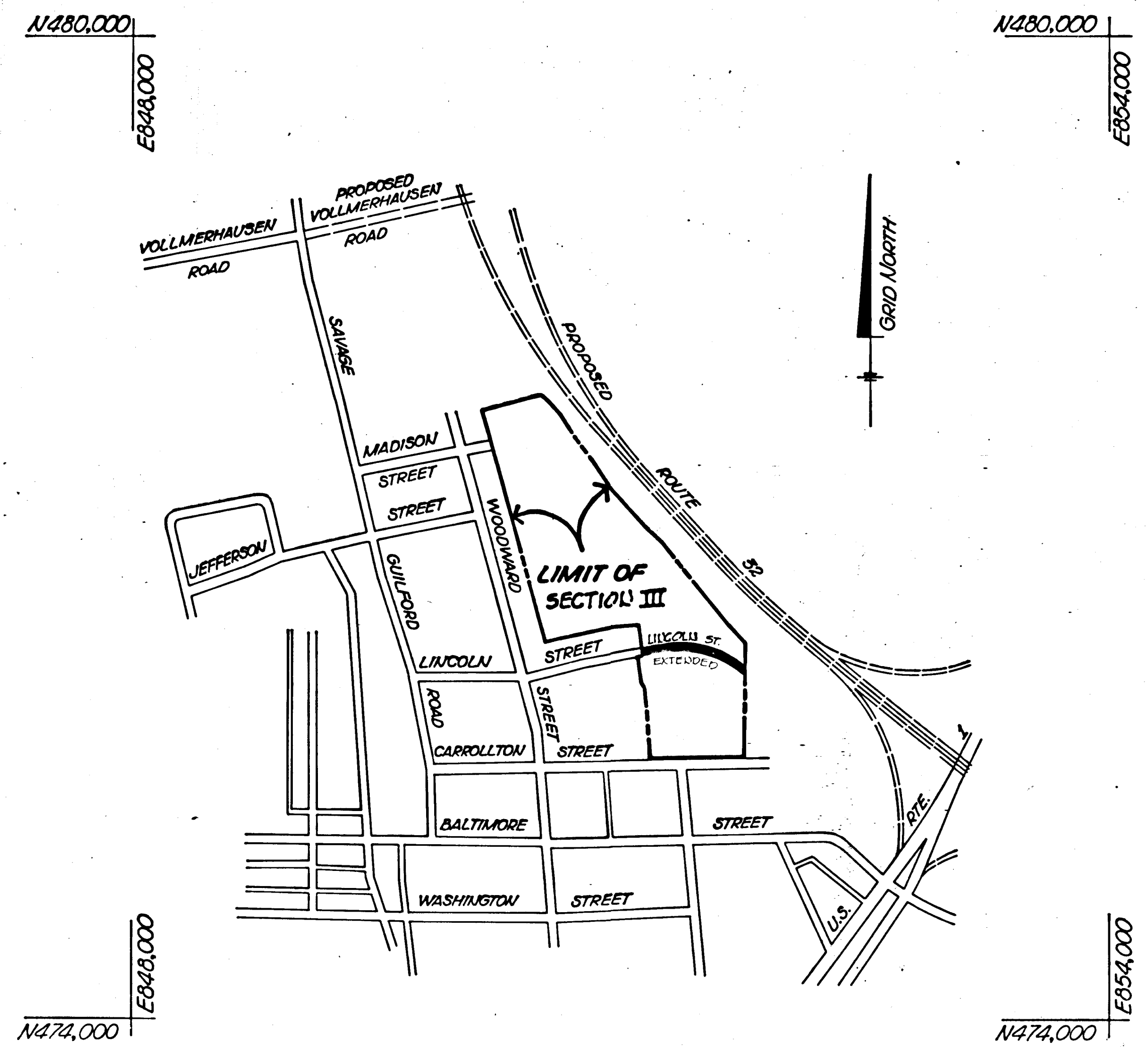
**HOWARD HILLS  
SECTION III**

**6TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND**



- GENERAL NOTES**
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
  - 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.
  - THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
  - CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
 

BELL TELEPHONE SYSTEM	393-3649
LONG DISTANCE CABLE DIVISION	393-3553 or 3554
BALTIMORE GAS AND ELECTRIC COMPANY	539-8000, ext. 691
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION	992-2417 or 2418
  - ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
  - STORM DRAIN TRENCHES WITHIN ROAD RIGHT-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
  - INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING, AND STONING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1971 EDITION.
  - PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
  - ALL FILL AREAS WITHIN ROADWAYS AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM 95% COMPACTION.
  - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
  - PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
  - SUBJECT PROPERTY ZONED RSC PER 10-03-77 COMPREHENSIVE ZONING PLAN.
  - ALL HORIZONTAL CONTROLS SHOWN HEREON IS BASED ON MARYLAND STATE COORDINATES.
  - ALL VERTICAL CONTROL SHOWN HEREON IS BASED ON USGS DATUM.



**PLAN**  
SCALE: 1" = 600'

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
<i>John M. ...</i>	7-08
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>William E. ...</i>	
CHIEF, BUREAU OF ENGINEERING	10-22-82
DATE	DATE
7-08	REV. PER C.D. COMMENTS
6-08	REVISED PER COUNTY COMMENTS
DATE	NO. REVISION DESCRIPTION
DEVELOPER: HOWARD HILLS LTD. PARTNERSHIP	
OWNER: 0930 BALTIMORE STREET, SAVAGE, MARYLAND 20863	
PROJECT: <b>HOWARD HILLS SECTION III</b>	
AREA: SAVAGE, MARYLAND SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE: <b>TITLE SHEET</b>	
<b>TYDINGS HEIM ASSOCIATES INC.</b>	
CONSULTING ENGINEERS - LAND & CONSTRUCTION SURVEYORS 8370 COURT AVENUE, ELLICOTT CITY, MD. 21043 465-0660	
9-7-82 DATE	DESIGNED BY: C.E.C.
	DRAWN BY: T.A.P.
	PROJECT NO: *700
	DATE: 12/20/82
	SCALE: AS SHOWN
	DRAWING NO. 1 OF 5

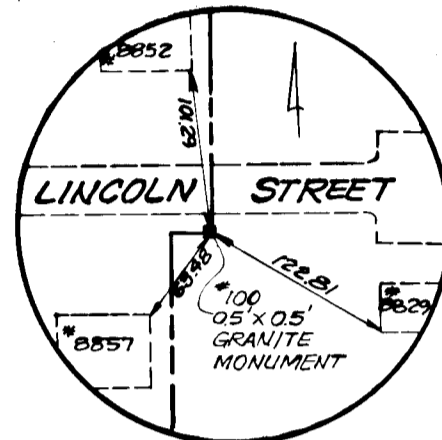
12

*Jeffrey ...*

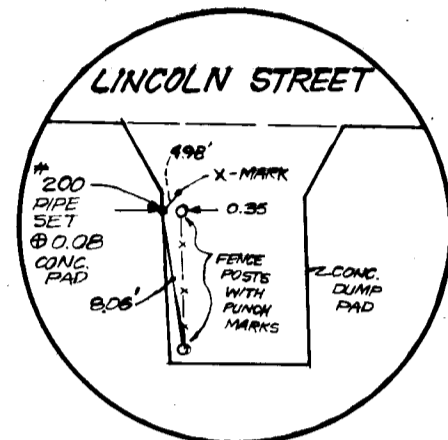


NO.	TYPE	LOCATION	IN. IN.	IN. OUT.	TOP ELEV.	DESCRIPTION
I-10	STD. A-5 INLET W/ DEFLECTOR	HOWARD HILLS DR 2'-55" 12" LT.	-	266.50	270.75	HO. CO. STD. 4.01
I-11	STD. A-5 W/ DEFLECTOR	HOWARD HILLS DR 2'-55" 12" RT.	-	266.30	270.75	H.C. STD. 4.01
M-4	TYPE 'B' MANHOLE	LINCOLN ST. 2'-05" 22" LT.	264.92	264.42	269.27	H.C. STD. 3.03
M-5	TYPE 'B' MANHOLE	LINCOLN ST. 3'-75" 22" LT.	263.34	262.84	268.37	H.C. STD. 3.03
I-12	STD. A-12 INLET	LINCOLN ST. 5'-10" 15" LT.	261.46	260.76	267.56	H.C. STD. 4.02
I-13	STD. A-5 INLET	LINCOLN ST. 5'-00" 15" RT.	260.30	259.80	267.56	H.C. STD. 4.01
S-4	CONC. END SECTION	LINCOLN ST. 5'-00" 22" RT.	-	254.50	-	SEE DETAIL

\* FOR DEFLECTOR SEE H.C. STD. STORM DRAIN DETAIL 20.4.03



MONUMENT \*100  
(ELEV. 271.33)  
NO SCALE



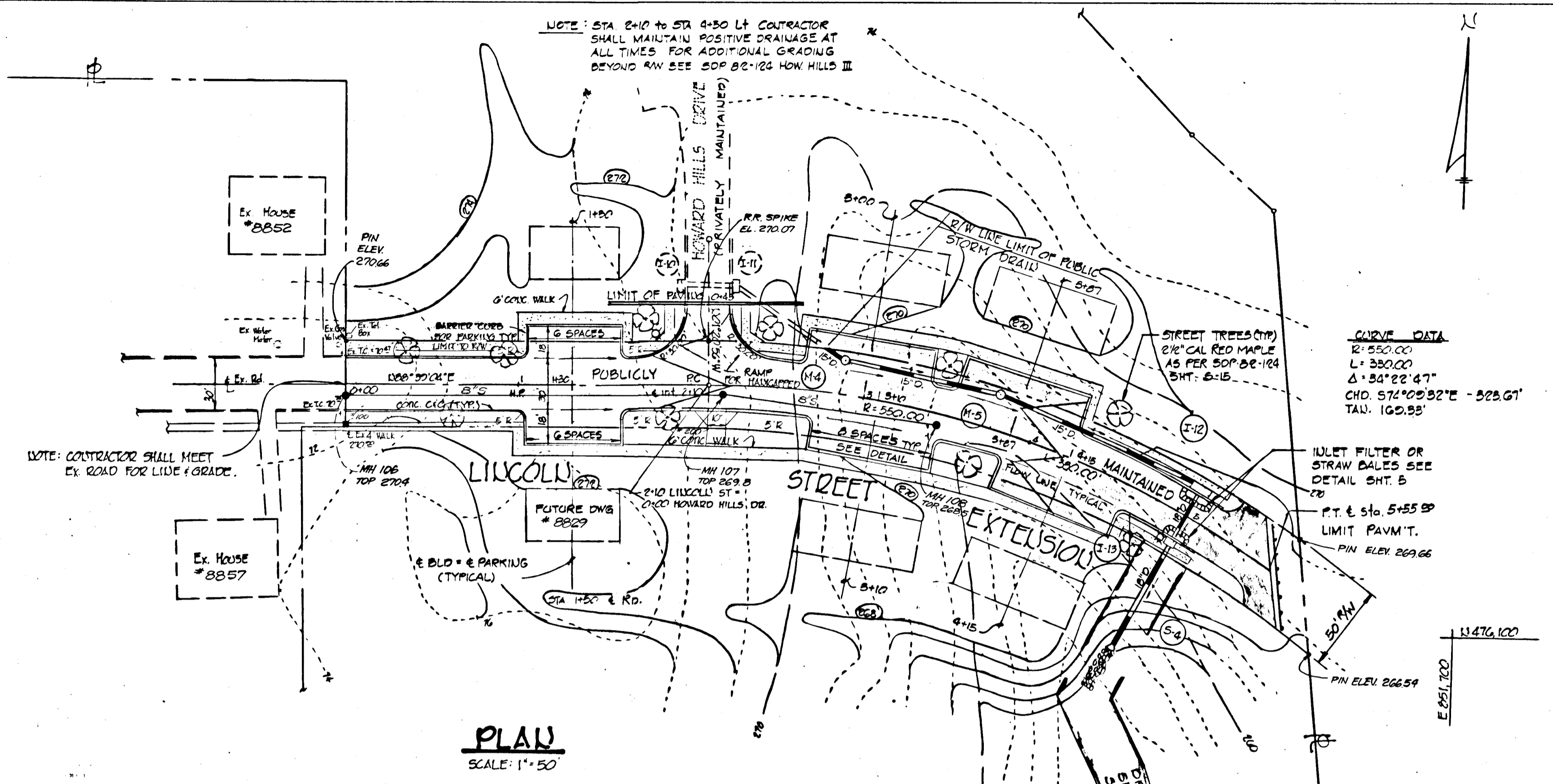
MONUMENT \*200  
(ELEV. 270.33)  
NO SCALE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*John M. ...* 7-10-82  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*R. ...* 10-22-82  
CHIEF, BUREAU OF ENGINEERING



PLAN  
SCALE: 1" = 50'

NOTE: SITE SHOWN HEREON IS WOODED. INDIVIDUAL TREES HAVE NOT BEEN LOCATED. EXISTING TREES ARE TO BE REMOVED IN THE AREAS OF NEW CONSTRUCTION AS REQUIRED. THE ARCHITECT WILL DETERMINE WHICH TREES LOCATED ON SITE PERIMETER & OTHER AREAS SO INDICATED SHALL BE SAVED. CONTRACTOR SHALL NOTIFY ARCHITECT FOR INFO. AFTER GRADE STAKES ARE SET.

NOTE: SEDIMENT CONTROL AND STORM WATER MANAGEMENT SHALL BE CONSTRUCTED AS SHOWN ON SPP-82-124 AND IN ACCORDANCE WITH THE SEQUENCE OF CONSTRUCTION SHT 8065.

DATE	NO.	REVISION DESCRIPTION
9-7-82	1	REV. PER CO. DPM COMMENTS
9-22-82	1	REV. PER CIVIL ENGINEER COMMENTS

DEVELOPER: HOWARD HILLS LTD. PARTNERSHIP  
2020 BALTIMORE STREET  
Savage, MARYLAND 20863

PROJECT: HOWARD HILLS  
SECTION III

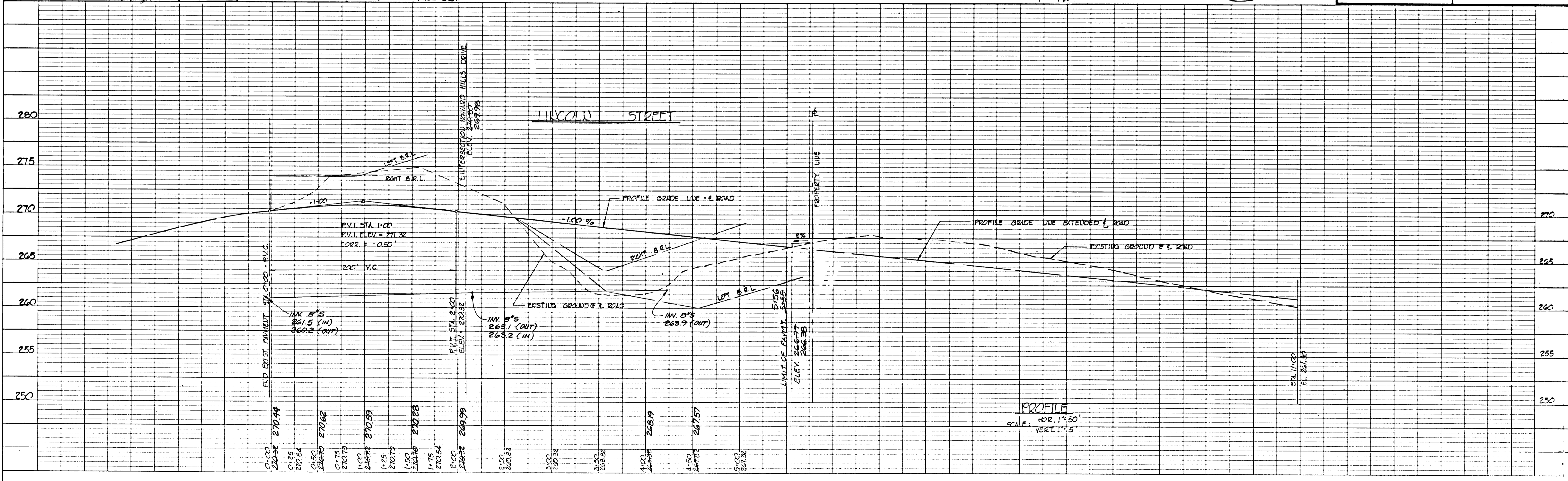
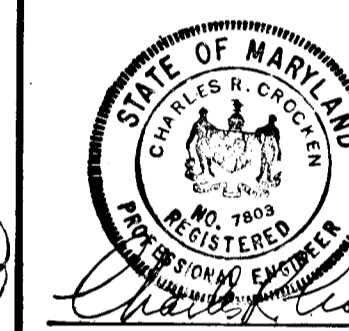
AREA: SAVAGE, MARYLAND  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MD.

TITLE: PLAN OF ROADWAY AND STORM DRAINS

**TYDINGS HEIM ASSOCIATES INC.**  
CONSULTING ENGINEERS - LAND & CONSTRUCTION SURVEYORS  
8370 COURT AVENUE, ELLICOTT CITY, MD. 21043 465-0660

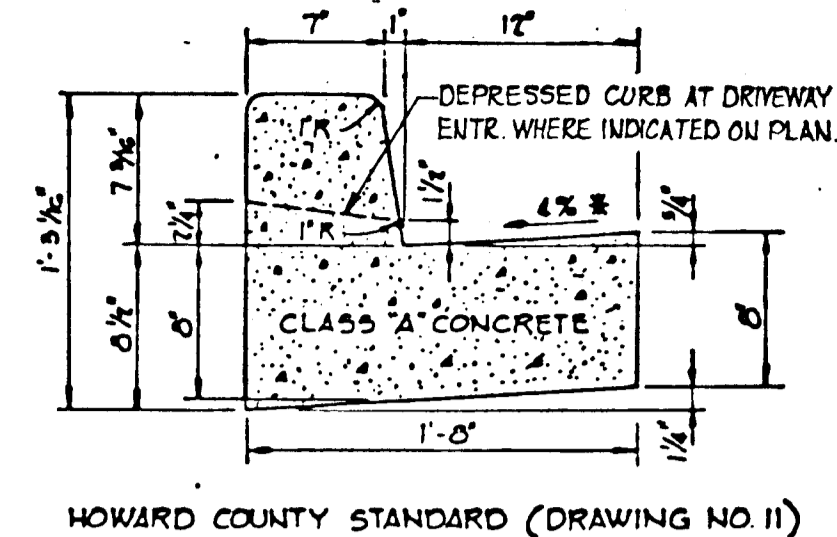
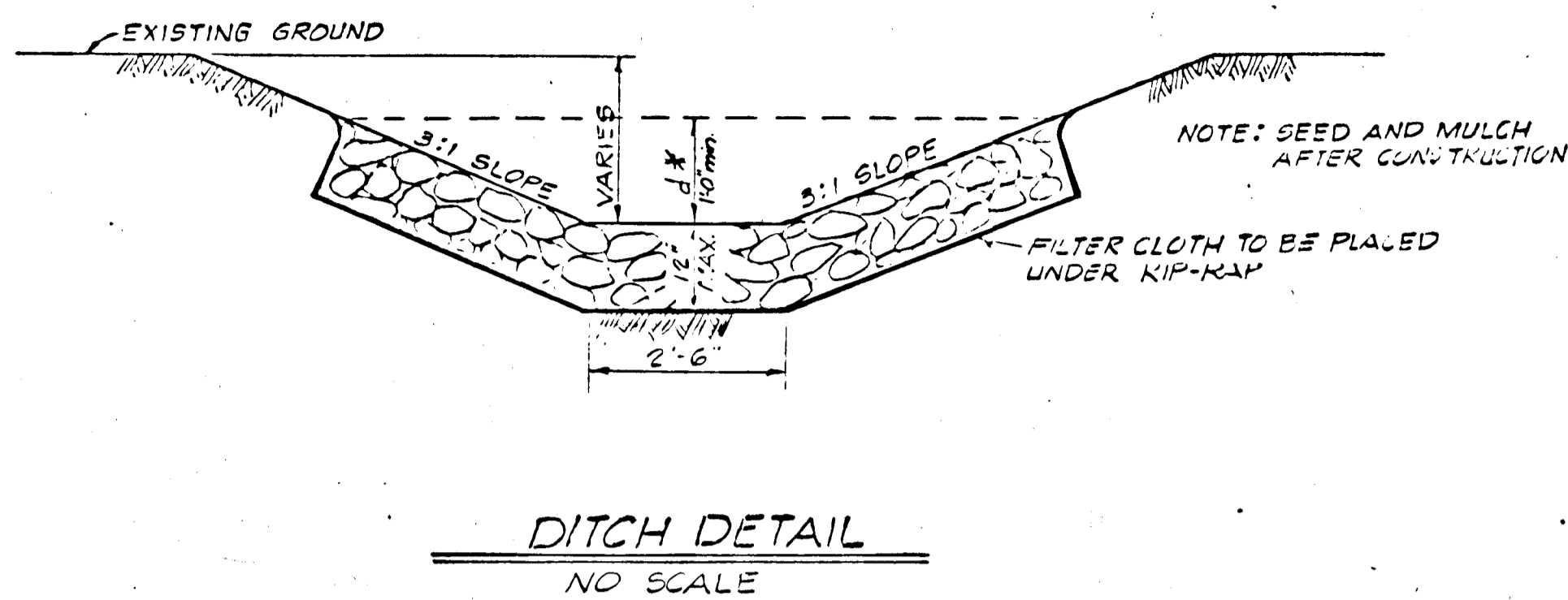
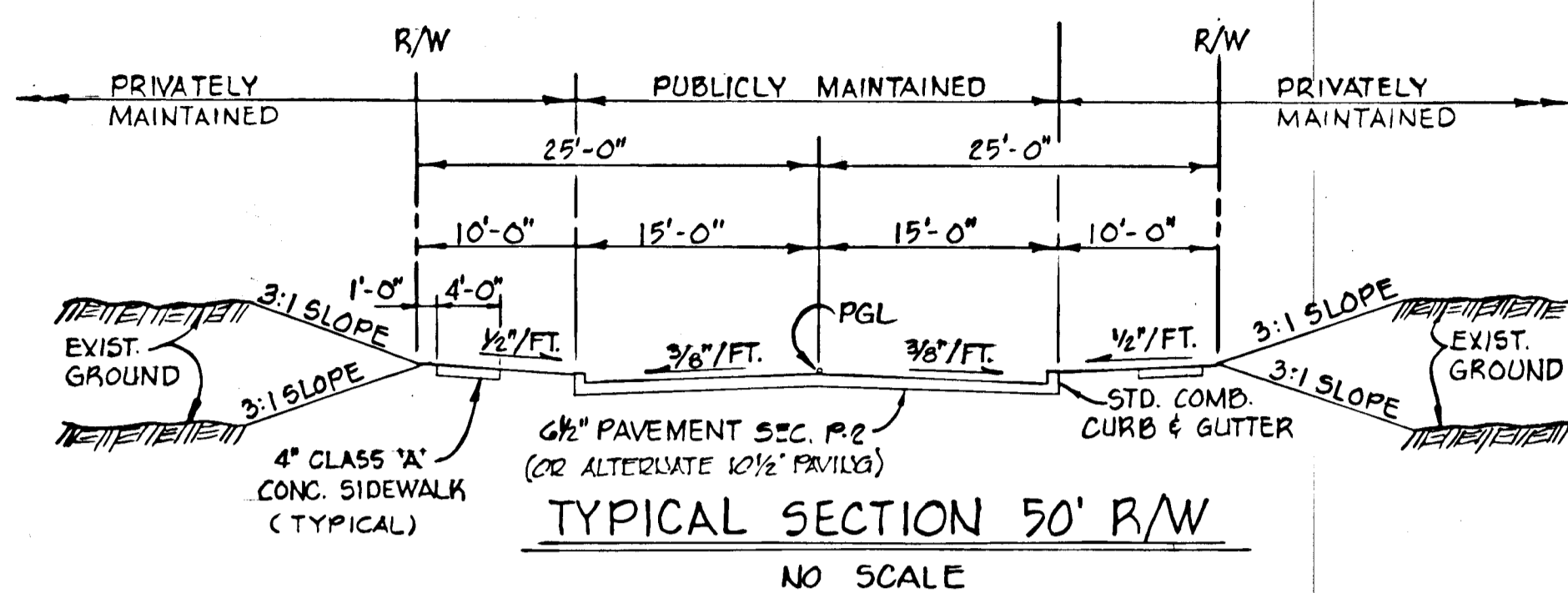
9-7-82  
DATE

DESIGNED BY: G.R.C.  
DRAWN BY: T.A.P.  
PROJECT NO: 9792  
DATE: 12/24/81  
SCALE: AS SHOWN  
DRAWING NO 2 OF 5



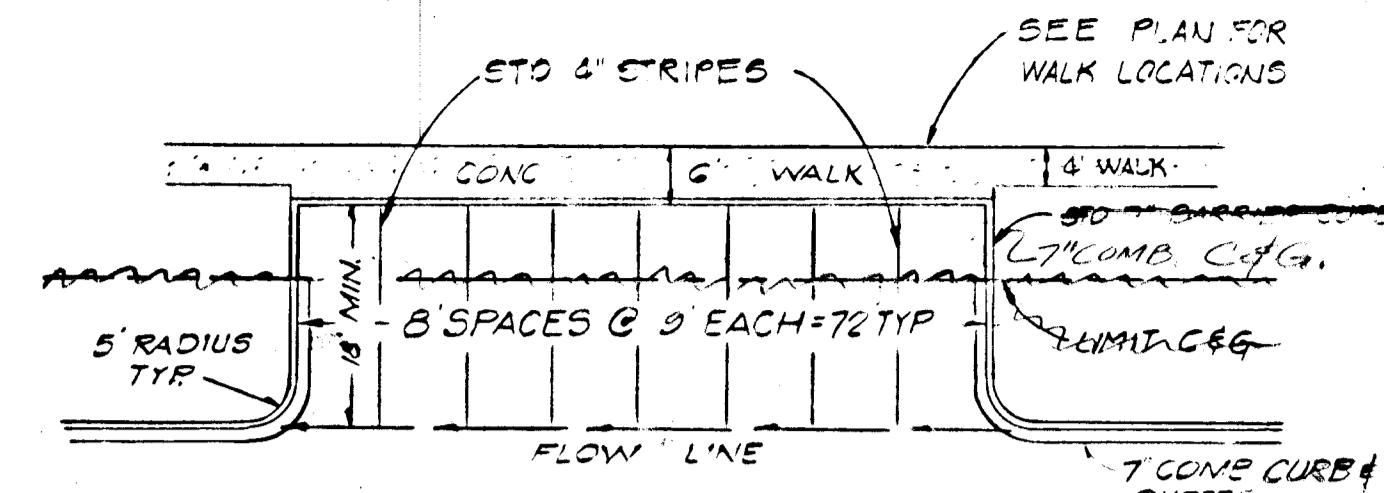
PROFILE  
SCALE: HOR. 1" = 50'  
VERT. 1" = 5'

LOCAL RESIDENTIAL STREET  
DESIGN SPEED 30 MPH

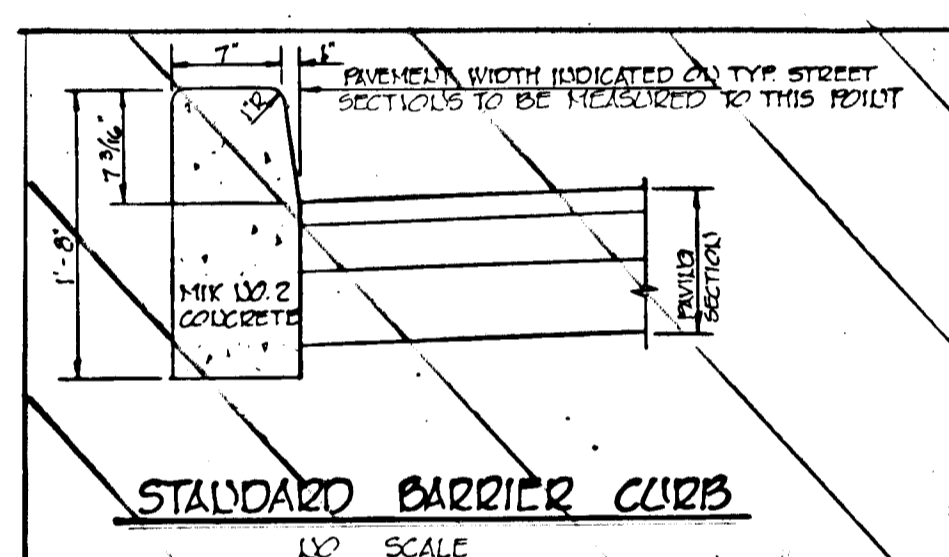
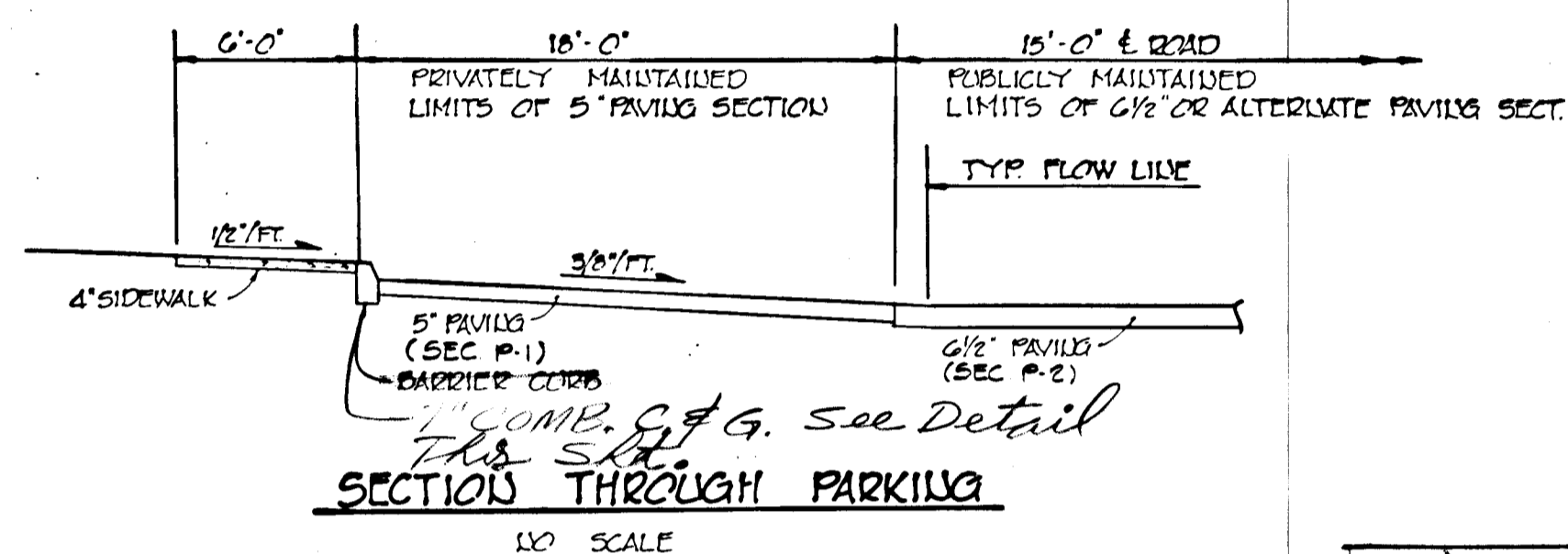


\* GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.

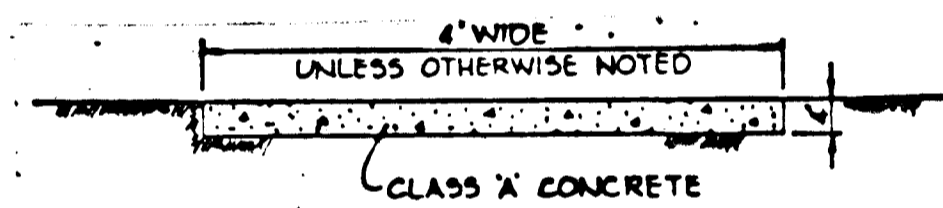
STANDARD 7" COMBINATION CURB AND GUTTER  
NO SCALE



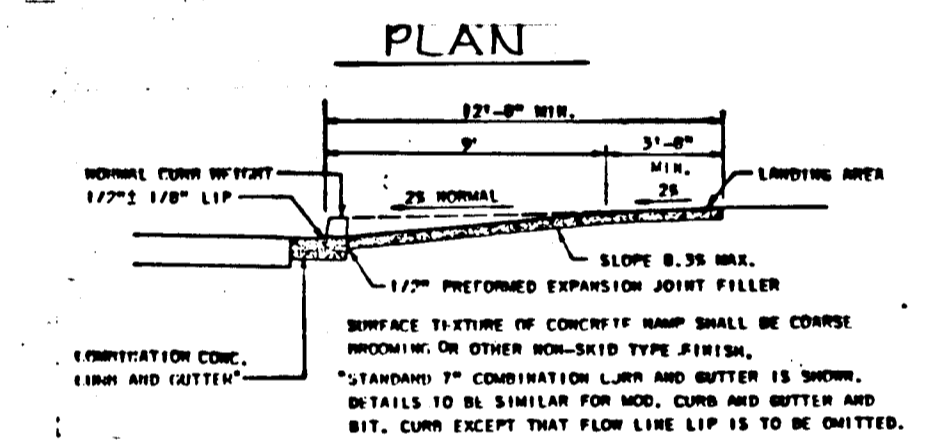
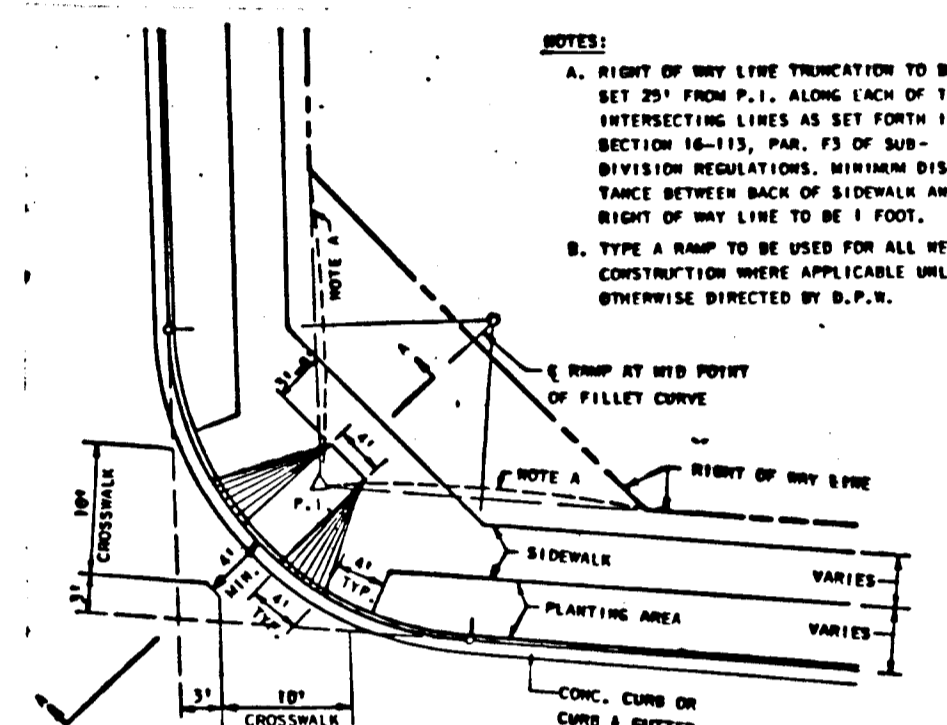
TYP. PARKING PLAN  
NO SCALE



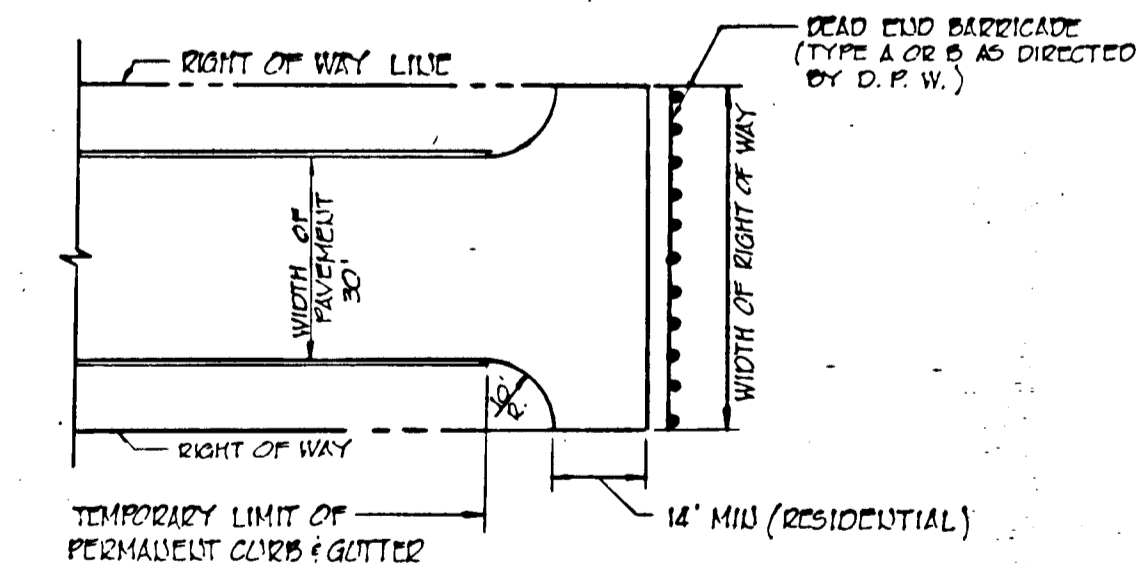
NOT THIS CONTRACT



SIDEWALK DETAIL  
NO SCALE



SECTION A-A  
SIDEWALK RAMP TYPE A  
NO SCALE



TEMPORARY TEE TURN-AROUND  
NO SCALE

REV. CURB 7/26/83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

APPROVED: *John M. ...* 9-8-82  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: *...* 10-22-82  
CHIEF, BUREAU OF ENGINEERING

DATE	NO.	REVISION DESCRIPTION
7-20-82	2	REV. PER. CO. D.P.W. COMMENTS
6-20-82	1	REV. PER. CO. COMMENTS

OWNER:

DEVELOPER: HOWARD HILLS LTD. PARTNERSHIP  
OWNER: 8030 BALTIMORE STREET, SAVAGE, MARYLAND 20863

PROJECT: SECTION 3 HOWARD HILLS

AREA: SAVAGE, MARYLAND SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.

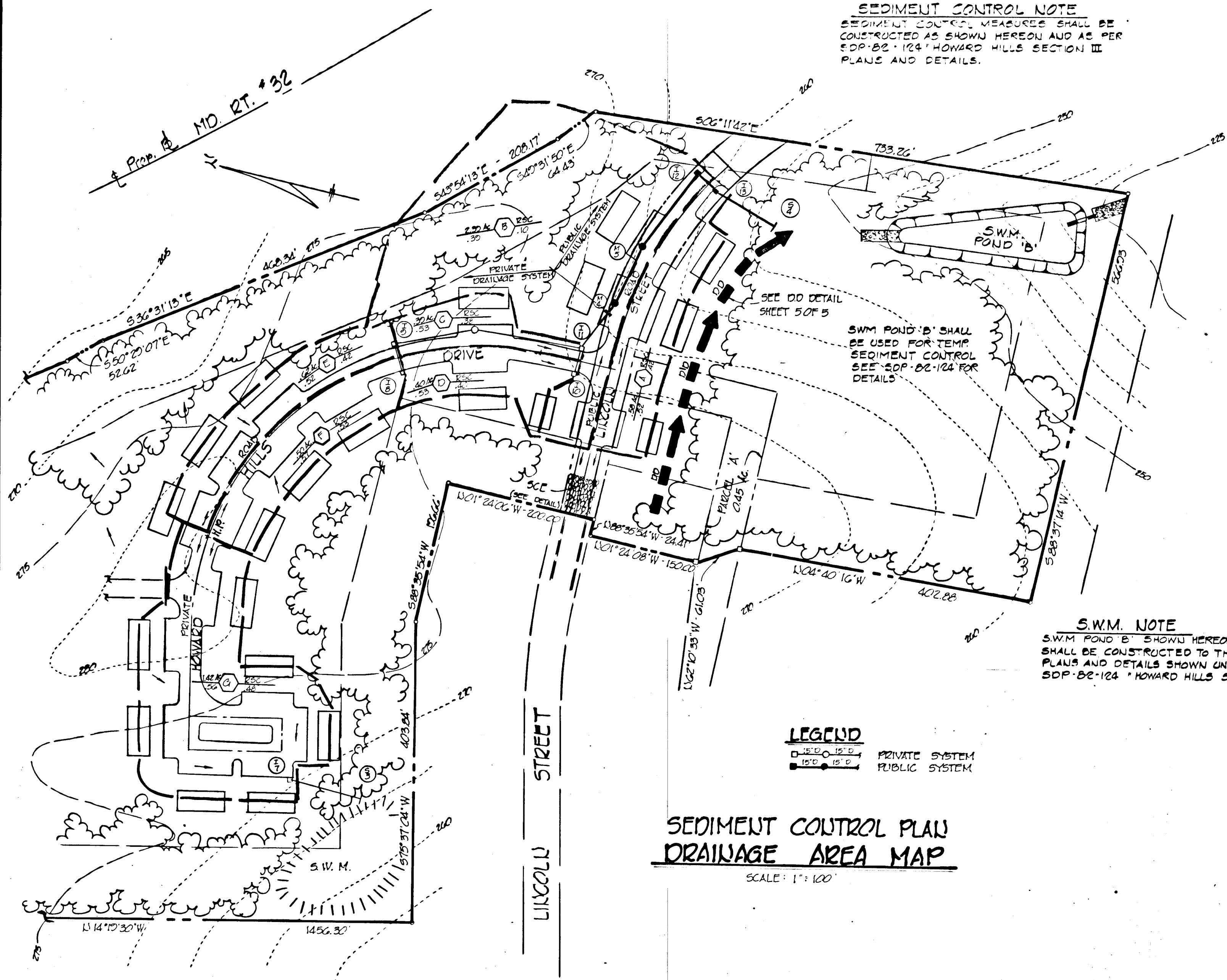
TITLE: DETAILS

**TYDINGS HEIM ASSOCIATES INC.**  
CONSULTING ENGINEERS - LAND & CONSTRUCTION SURVEYORS  
8370 COURT AVENUE, ELLICOTT CITY, MD. 21043 465-0660

7-7-82	TAX MAP 47 PARCEL 493
DESIGNED BY: C.R.C.	
DRAWN BY: T.A.P.	
PROJECT NO: 700 E	
DATE: DEC. 31, 1981	
SCALE: AS SHOWN	
DRAWING NO. 3 OF 5	



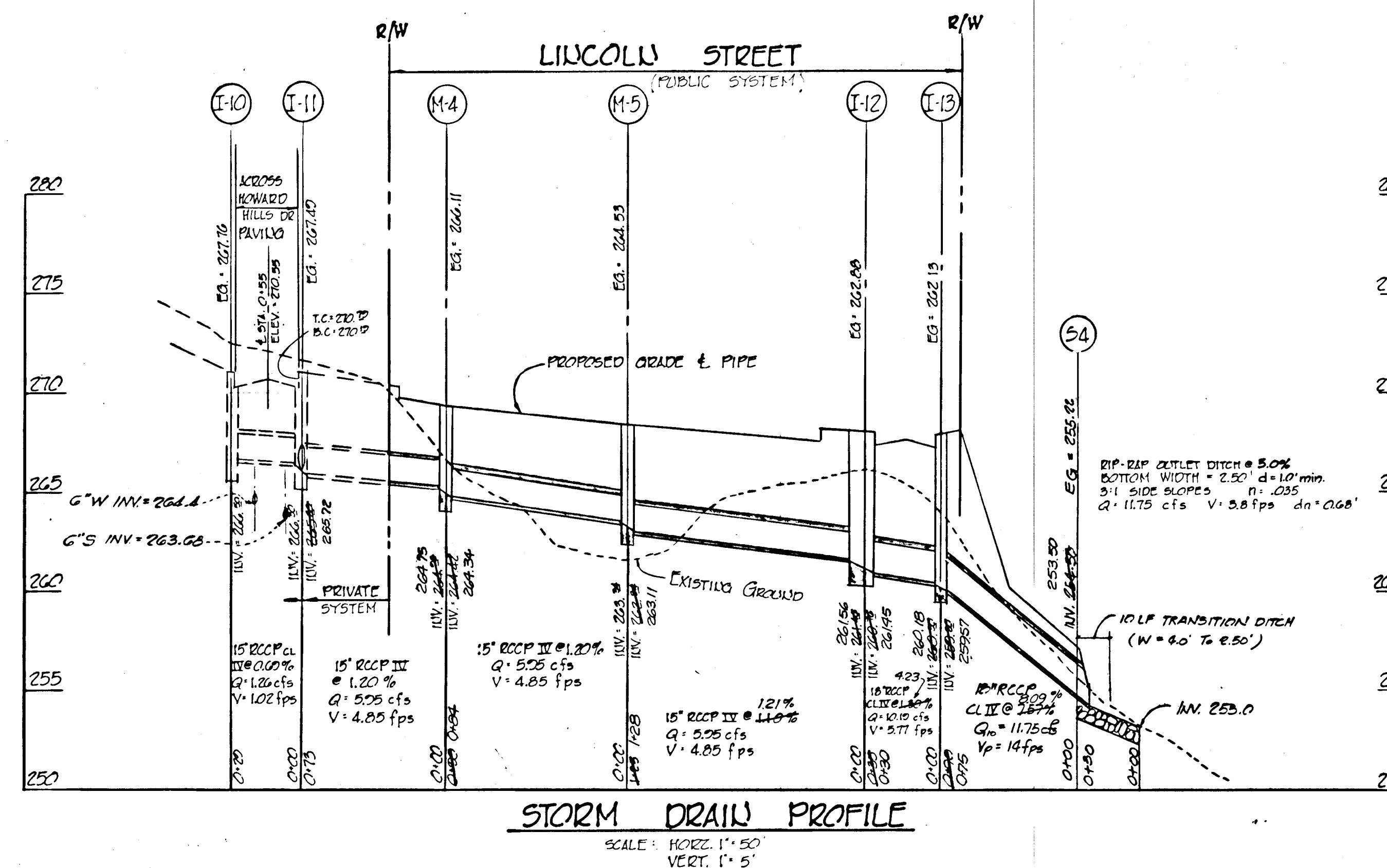
**SEDIMENT CONTROL NOTE**  
 SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AS SHOWN HEREON AND AS PER SDP-82-124 HOWARD HILLS SECTION III PLANS AND DETAILS.



**SEDIMENT CONTROL PLAN DRAINAGE AREA MAP**  
 SCALE: 1" = 100'

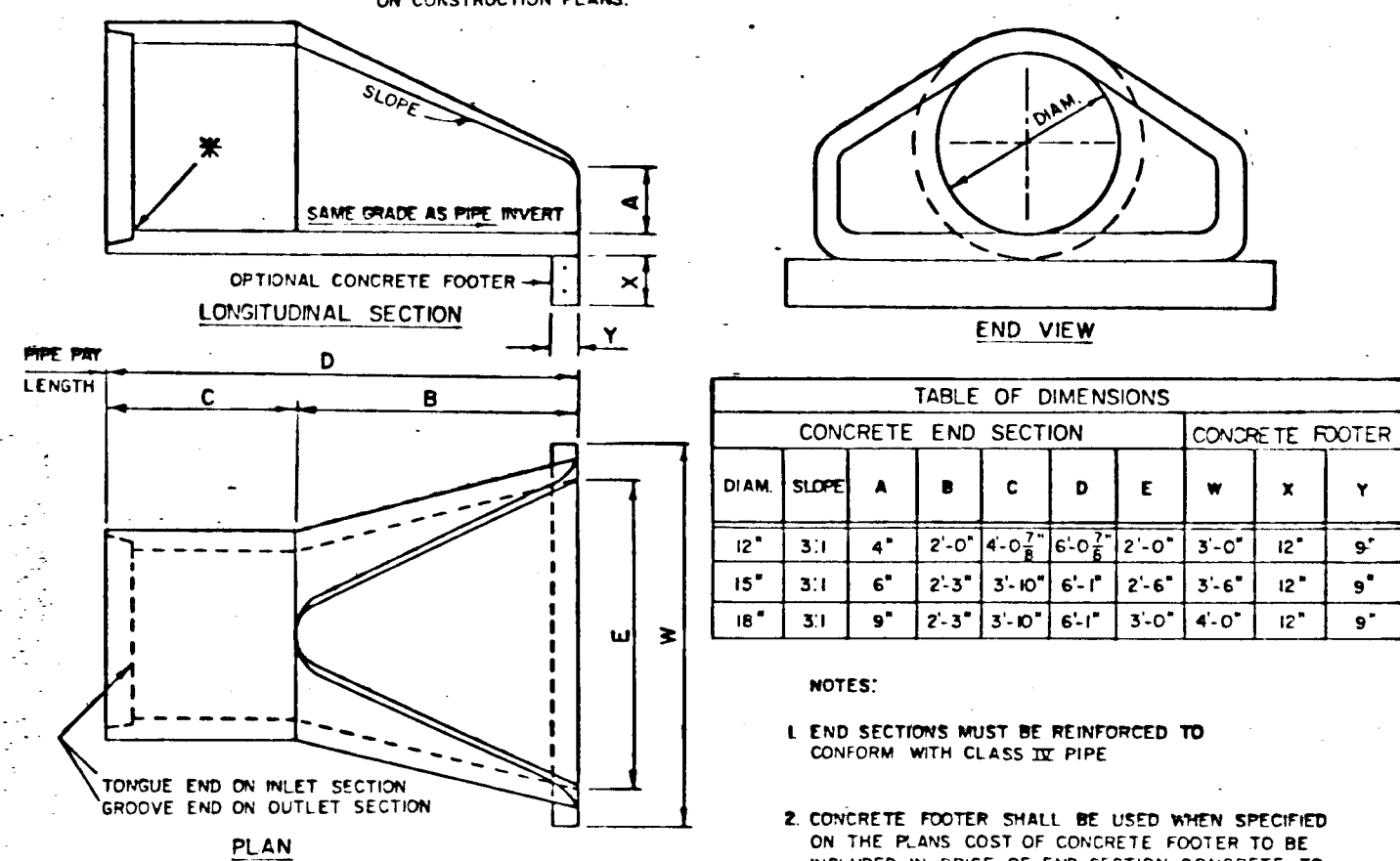
**S.W.M. NOTE**  
 S.W.M. POND 'B' SHOWN HEREON SHALL BE CONSTRUCTED TO THE PLANS AND DETAILS SHOWN UNDER SDP-82-124 HOWARD HILLS SEC. III

**LEGEND**  
 ○ PRIVATE SYSTEM  
 □ PUBLIC SYSTEM



**STORM DRAIN PROFILE**  
 SCALE: HORIZ. 1" = 50' VERT. 1" = 5'

\* INVERT ELEVATION TO BE AT THE PIPE END OF THE STANDARD END SECTION. ELEVATIONS TO BE NOTED ON CONSTRUCTION PLANS.



		CONCRETE END SECTION					CONCRETE FOOTER		
DIAM.	SLOPE	A	B	C	D	E	W	X	Y
12"	3:1	4"	2'-0"	4'-0"	6'-0"	2'-0"	3'-0"	12"	9"
15"	3:1	6"	2'-3"	5'-10"	6'-7"	2'-6"	3'-6"	12"	9"
18"	3:1	9"	2'-3"	5'-10"	6'-7"	3'-0"	4'-0"	12"	9"

**NOTES:**  
 1. END SECTIONS MUST BE REINFORCED TO CONFORM WITH CLASS III PIPE.  
 2. CONCRETE FOOTER SHALL BE USED WHEN SPECIFIED ON THE PLANS. COST OF CONCRETE FOOTER TO BE INCLUDED IN PRICE OF END SECTION. CONCRETE TO BE MIX NO. 2. STRUCTURES REINFORCEMENT TO BE NO. 3 BARS.

**STANDARD CONCRETE END SECTION DETAIL**  
 NO SCALE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

*James M. ...*  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED:  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*William S. ...*  
 CHIEF, BUREAU OF ENGINEERING

DATE	NO.	REVISION DESCRIPTION
2-7-82	2	REV. PER. CO. D.P.W. COMMENTS
6-22-82	1	REV. PER. CO. COMMENTS

**DEVELOPER:** HOWARD HILLS LTD. PARTNERSHIP  
 8030 BALTIMORE STREET  
 SAVAGE, MARYLAND 20865

**PROJECT:** HOWARD HILLS SECTION III

**AREA:** SAVAGE, MARYLAND  
 SIXTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**TITLE:** DRAINAGE AREA MAP, SEDIMENT CONTROL AND STORM DRAIN PROFILE

**TYDINGS HEIM ASSOCIATES INC.**  
 CONSULTING ENGINEERS - LAND & CONSTRUCTION SURVEYORS  
 8370 COURT AVENUE, ELLICOTT CITY, MD. 21043 465-0660

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

Approved *Howard S.C.D.* Date 10-13-82  
 Howard S.C.D.

Reviewed for Howard S.C.D. Home  
 and meets Technical Requirements  
*James M. ...* Date 10-13-82  
 Signature  
 U.S. Soil Conservation Service

9-7-82 DATE  
 DESIGNED BY: C.R.C.  
 DRAWN BY: T.A.P.  
 PROJECT NO: 790 E  
 DATE: JANUARY, 1982  
 SCALE: AS SHOWN  
 DRAWING NO. 4 OF 5

F-82-118 AS-BUILT AUG 23 1984

