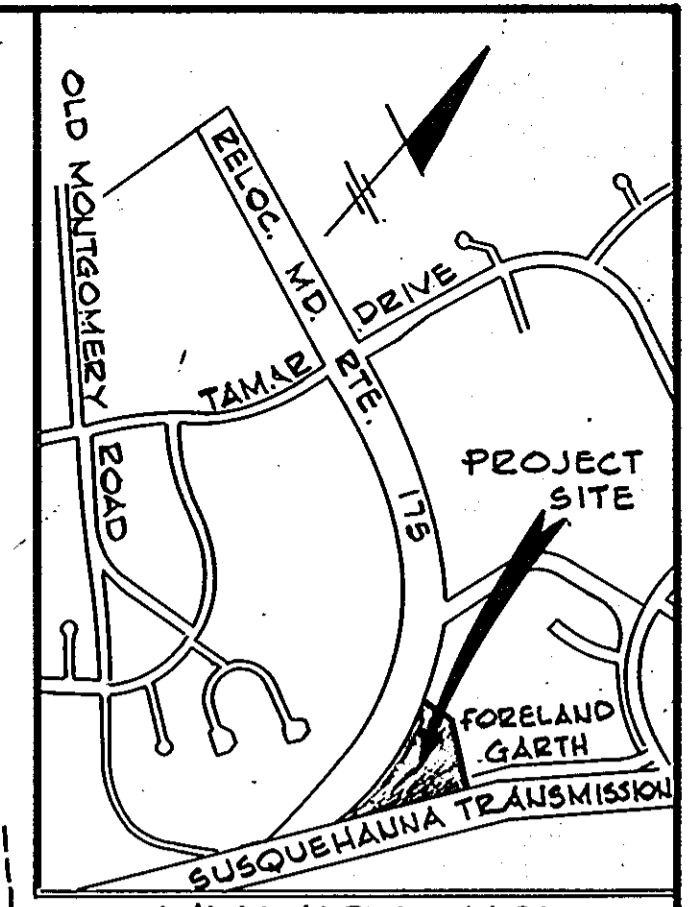


MARYLAND

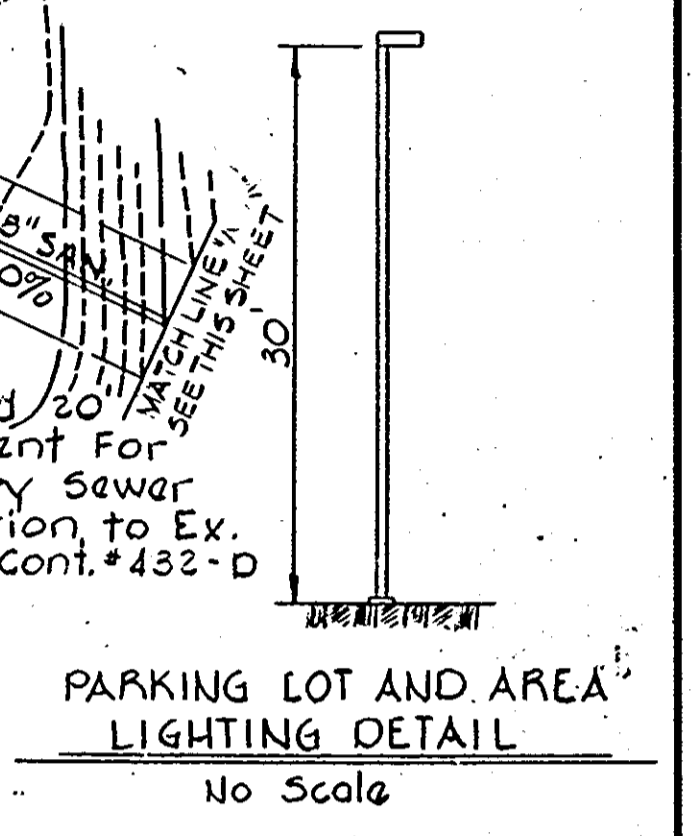
ROUTE

175 E. Md. Route 175

VEHICULAR INGRESS / EGRESS IS RESTRICTED



VICINITY MAP  
Scale: 1" = 600'



PARKING LOT AND AREA LIGHTING DETAIL  
No Scale

- GENERAL NOTES**
- All sediment control details are referred to the U.S.D.A. Soil Conservation Service Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas for Specifications.
  - Parking Required - 40 spaces.
  - Handicapped Spaces - 4 spaces.
  - Parking Provided - 40 spaces.
  - UNITS:
 

Type	No.	Area
1 BR	93 Units	539 sq. ft./unit
1 BR (Handicapped)	4 Units	539 sq. ft./unit
2 BR	3 Units	810 sq. ft./unit
  - Exterior Lighting
    - Parking Lot and Area Lighting - 400 Watt M.H. 30' pole, bronze (Puranodic 312) Finish Lightoller #ADA6522/DEK-2217
    - Post Top Luminaire, 8' 300 Watt I.F. Lamp, bronze finish to match 'a' Lightoller #EAA-0172/PAA-2096
    - 42" high Incandescent Bollard for walkway lighting, bronze finish Lightoller #NCG-0617
  - Amended Final Development Plan Phase 151-A recorded 6/17/77 in Plat Book 3054 A-7.
  - For waiver of setback from primary road see Variance Petition VP-78-24.

Village of Longreach  
Section I Area 7  
Parcel A-2

**CONSTRUCTION SEQUENCE**

- Obtain grading permit.
- Construct stabilized construction entrance.
- Construct Stone Outlet Sediment Trap.
- Excavate and grade for temporary sediment trap and permanent stormwater management facility.
- Construct storm drains, from Modified Inlet (1-2) to E-2, and outlet protection. Do not place 6" orifice @ this time. Use 1-2 as temporary inlet for sediment trap.
- Stabilize side slopes of temporary sediment trap and permanent stormwater management facility with permanent seeding. See Sediment Control Notes.
- Clear and rough grade site.
- Construct balance of storm drains (1-1 to E-1).
- Place building footings and begin building construction.
- Construct barrier curb.
- Place roads to subgrade and lay base course of payment.
- Fine grade slopes.
- Construct sidewalks. See Ho. Co. Std. Pg. 165h, Dwg. D-11B
- Stabilize site with permanent seeding and mulching. See Sediment Control Notes.
- Place surface course of payment.
- Wofify inlet 1-2 for stormwater management facility and remove sediment from temporary sediment trap.
- Fine grade all slopes of stormwater management facility according to Sediment Control Notes.
- Remove all sediment control devices.

**SITE ANALYSIS**

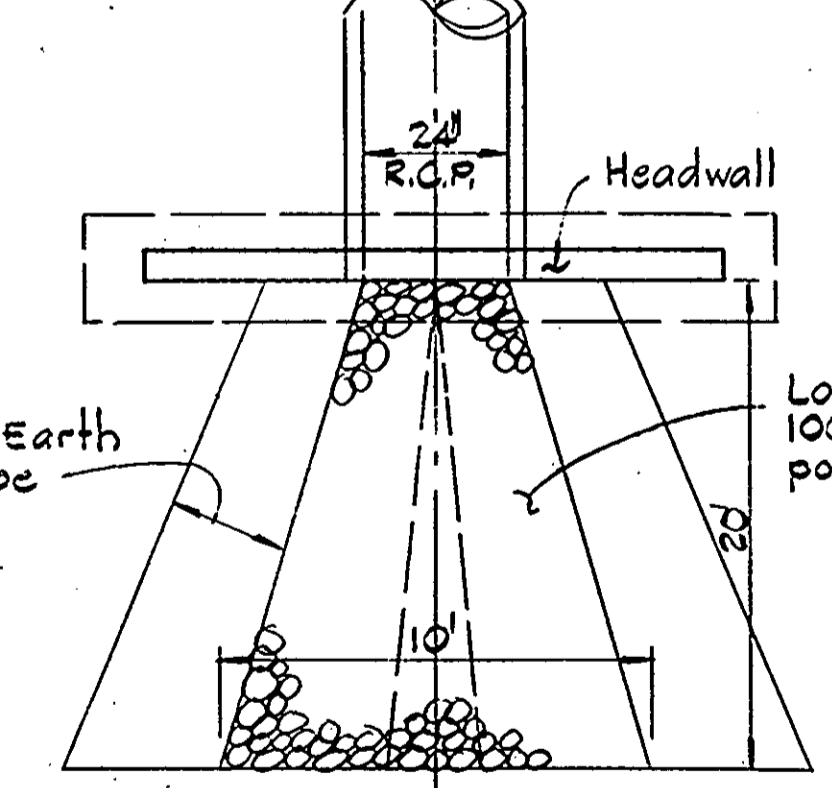
Total Area of Site.....	2.56 Ac. ±
Area to be Graded.....	2.56 Ac. ±
Area to be Paved.....	0.56 Ac. ±
Land Coverage.....	0.45 Ac. (19523 sq. ft.) 18%
Area to be Revegetated.....	1.55 Ac. ±
Undisturbed Area.....	0 Ac. ±
Zoning.....	Apartment
Floor Space.....	First Floor - 19,523 Sq. Ft. Typical Floor - 15,287 Sq. Ft.

**PLAN**

Scale: 1" = 30'

**PAVEMENT SECTION**

- Notes:
- 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 required in accordance with Section C-31-4 of the Howard County Road Construction Code and Standard Specifications
  - All material and construction methods shall be in accordance with Howard County Road Construction Code.



RIP-RAP OUTLET PROTECTION

**APPROVED**  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE 10-26-77

\* If this contract is begun before the future paving of Foreland GARTH has been placed, the alternate construction entrance shall be used.

\* SEE SHEETS 5 & 6 FOR GRADING, DRAINAGE & WATER CONNECTION REVISIONS

Parking requirements are in accordance with Planning Board Petition 114.

<p><b>DEVELOPER</b></p> <p>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 AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENT, AS DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p><i>[Signature]</i> 11/25/77 SIGNATURE DATE</p>	<p><b>HOWARD SOIL CONSERVATION DISTRICT</b></p> <p>REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS</p> <p><i>[Signature]</i> 12/13/77 DATE</p> <p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT</p> <p>APPROVED: <i>[Signature]</i> 12-18-77 HOWARD SOIL CONSERVATION DISTRICT DATE</p>	<p><b>PROFESSIONAL ENGINEER</b></p> <p>I CERTIFY THAT HIS 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.</p> <p><i>[Signature]</i> August 16, 1977 WILLIAM G. RASCH, II DATE</p>
--	--	---

<p>APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.</p> <p><i>[Signature]</i> 12-16-77 DIRECTOR DATE</p> <p><i>[Signature]</i> 12-16-77 CHIEF, BUREAU OF HIGHWAYS DATE</p>	<p>APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.</p> <p><i>[Signature]</i> 12-19-77 PLANNING DIRECTOR DATE</p> <p><i>[Signature]</i> 12-19-77 CHIEF, DIVISION OF LAND DEVELOPMENT DATE</p>	<p>APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.</p> <p><i>[Signature]</i> 12-19-77 COUNTY HEALTH OFFICER DATE</p>
--	---	---

**PURDUM & JESCHKE**  
CONSULTING ENGINEERS  
LAND SURVEYORS

1023 North Calvert Street  
Baltimore, Maryland 21202 301/837-0194

**OWNER:**  
HOWARD RESEARCH AND DEVELOPMENT CORPORATION  
COLUMBIA, MARYLAND 21044

**DEVELOPER:**  
METROPOLITAN ASSOCIATES DEVELOPMENT CORP.  
SUITE 226 8775 CLOUD LEAP COURT  
COLUMBIA, MARYLAND 21045

**DESIGNED BY:** T.A.W.  
**DRAFTED BY:** T.A.W.  
**CHECKED BY:** E.S.W.  
**SCALE:** AS SHOWN  
**DATE:** 7/1/77

**HOME FOR THE ELDERLY**  
VILLAGE OF LONGREACH, SECTION I, AREA 7  
PARCEL A-1

**SITE DEVELOPMENT PLAN**

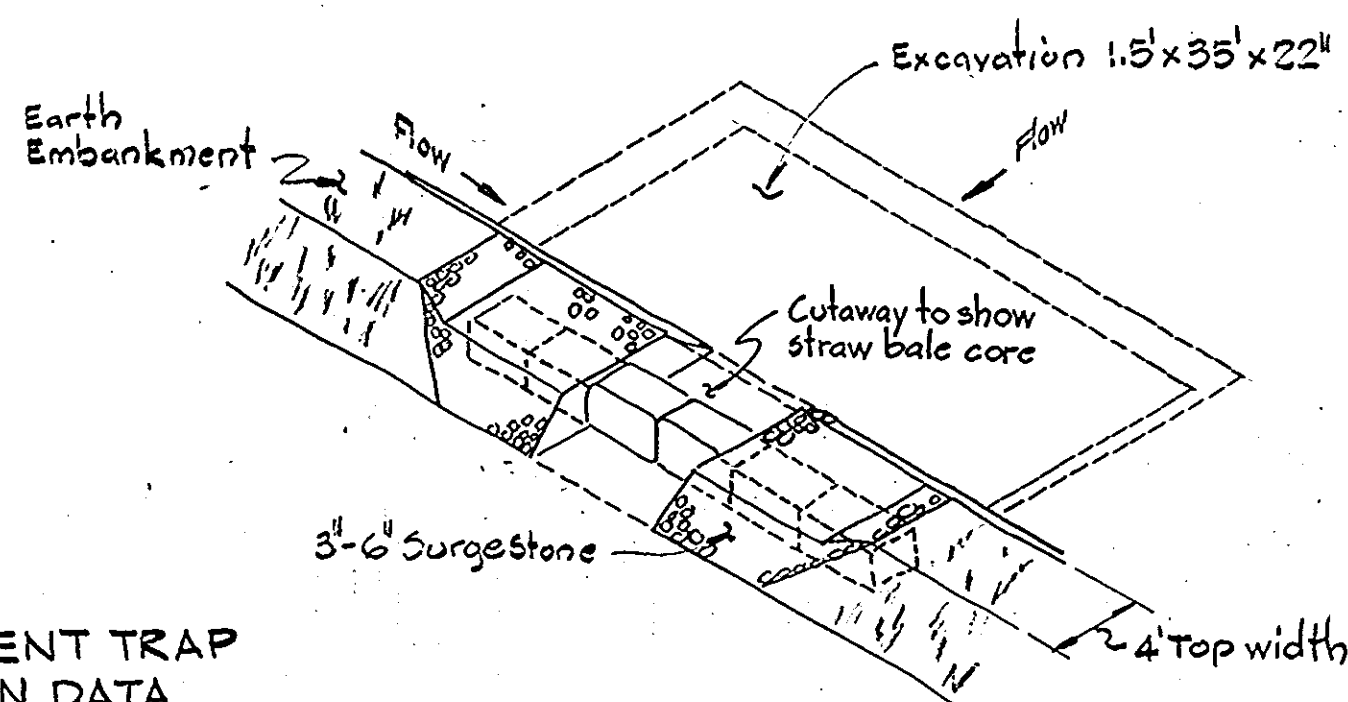
Sixth Election District  
Tax Map No. 36

Howard County, Maryland  
Parcel No. A-1  
Liber 463, Folio 196

SHEET 1 OF 5

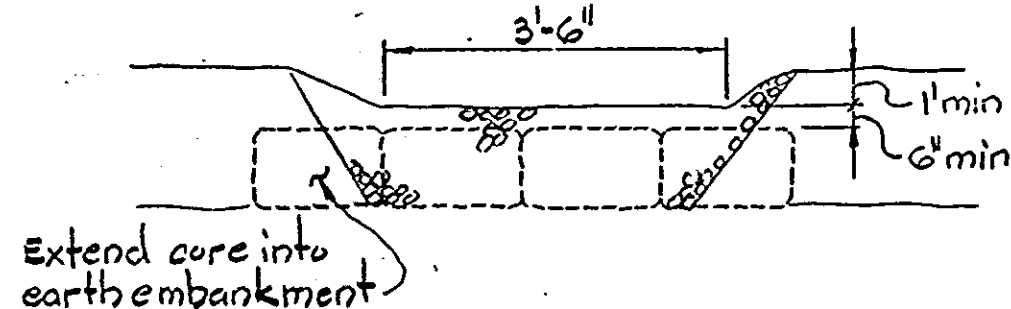
SEDIMENT CONTROL NOTES

- The developer shall notify the Ho. Co. Office of Inspection and Permits at least 24 hours prior to beginning any construction shown herein (465-5000 Ext. 365).
- Dikes, sediment traps, etc., to be constructed prior to any onsite grading or disturbance to any existing surface material, and are to be stabilized as soon as constructed.
- All sediment control structures to remain in place until permission for their removal has been obtained from the Ho. Co. Office of Inspections and Permits (465-5000 Ext. 365).
- All graded areas not to be sodded shall be stabilized by seeding and mulching in accordance with the following:
  - Site Preparation
    - Harrow or disc in areas proposed to be seeded with the following materials at the specified rate to a depth of 3"
      - Pulverized limestone at 1 1/2 tons/acre
      - Commercial fertilizer 10-10-10 at 1/2 tons/acre.
      - Super phosphate at 600 lbs/acre.
  - Seeding
    - Sow the following seed mixture at the rate of 200 lbs/acre with a mechanical spreader
      - Temporary: Italian or Perennial Rye Grass
      - Permanent: 40% Marion Blue Grass, 40% South Dakota Blue Grass & 20% Penn Lawn Creeping Red Fescue
    - The seeded area shall then be raked with a York Rake (minimum of 2 passes), covered and compacted with Cultipacker or other approved method.
  - Mulching
    - Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1 1/2 to 2 tons/acre.
    - Tie mulch down with liquid asphalt at 0.1 gal/s.y. or emulsified asphalt at 0.04 gal/s.y. on mulch netting.
  - Sodding
    - Apply 10-10-10 Fertilizer @ 1000 lbs/acre (25 lbs/1000)
    - Apply Ground Agricultural Limestone @ 2000 lbs/acre (50 lbs/1000)
    - Incorporate both lime and fertilizer into soil by discing. Firm up after incorporation.
    - Lay sod to a tight fit. Roll to ensure contact with underlying soil. Water as necessary for first two weeks (in summer) to ensure establishment.
- Critical area (2:1 slope) stabilization shall be Common Kentucky K-31 (certified) @ 40#/acre and Crownvetch scarified and inoculated @ 15#/acre.

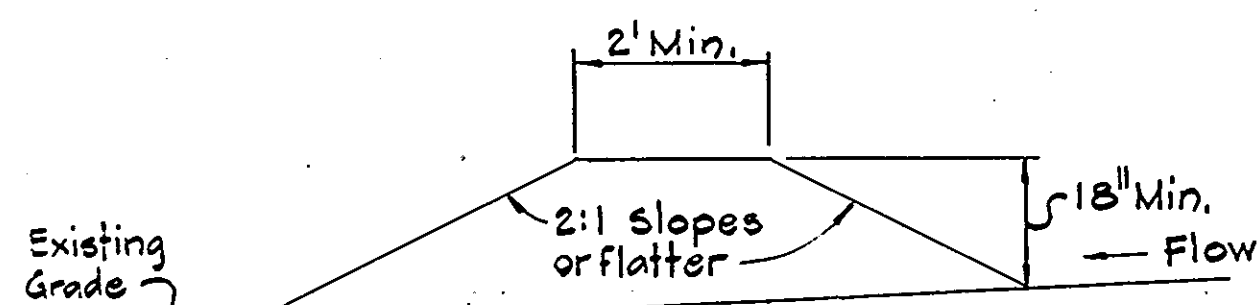


SEDIMENT TRAP DESIGN DATA

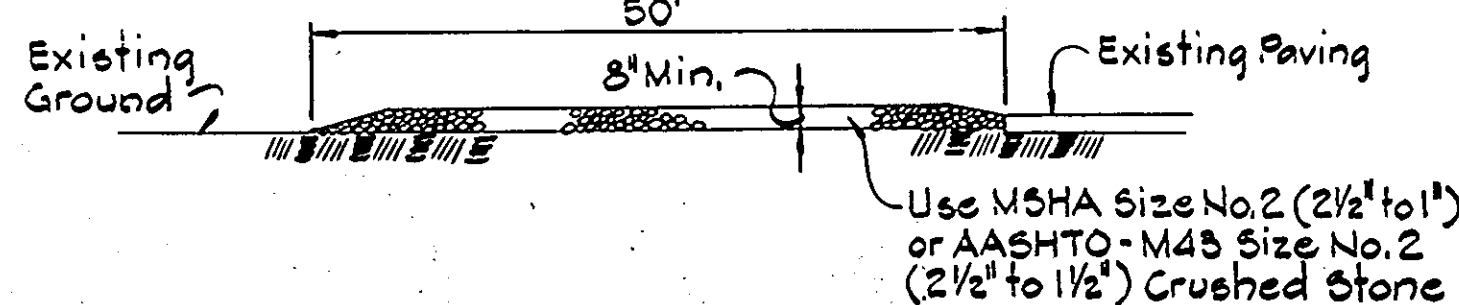
Drainage Area = 0.6 Ac.  
 Length of Filter = 0.6 x 6 = 3.6'  
 Vol. of Trap = 0.6 x 1000 = 1080 cu.ft.  
 Trap Dimensions = 1.5 x 35 x 22 = 1155 cu.ft.



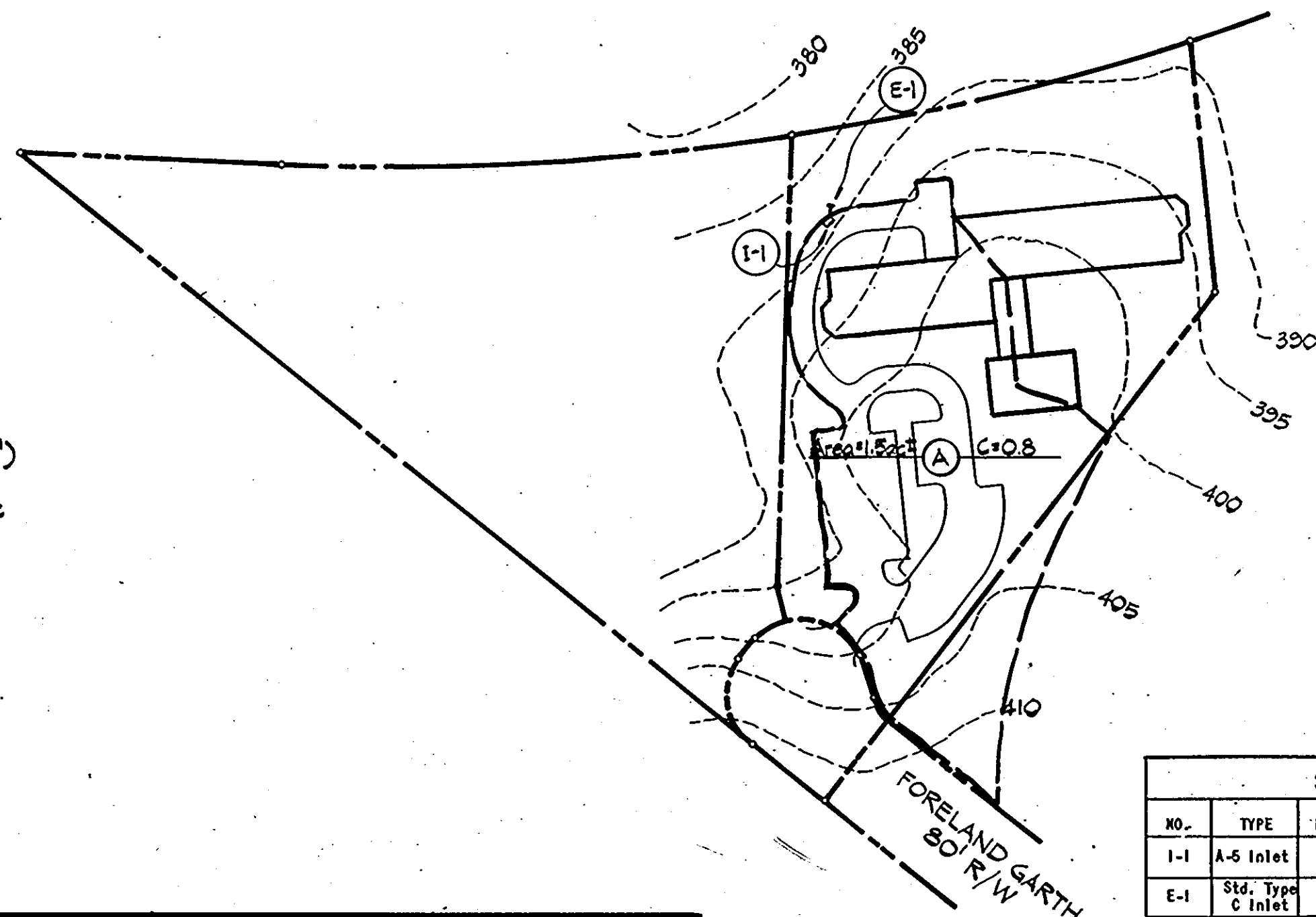
STONE OUTLET SEDIMENT TRAP  
 No Scale



DIVERSION DIKE  
 No Scale

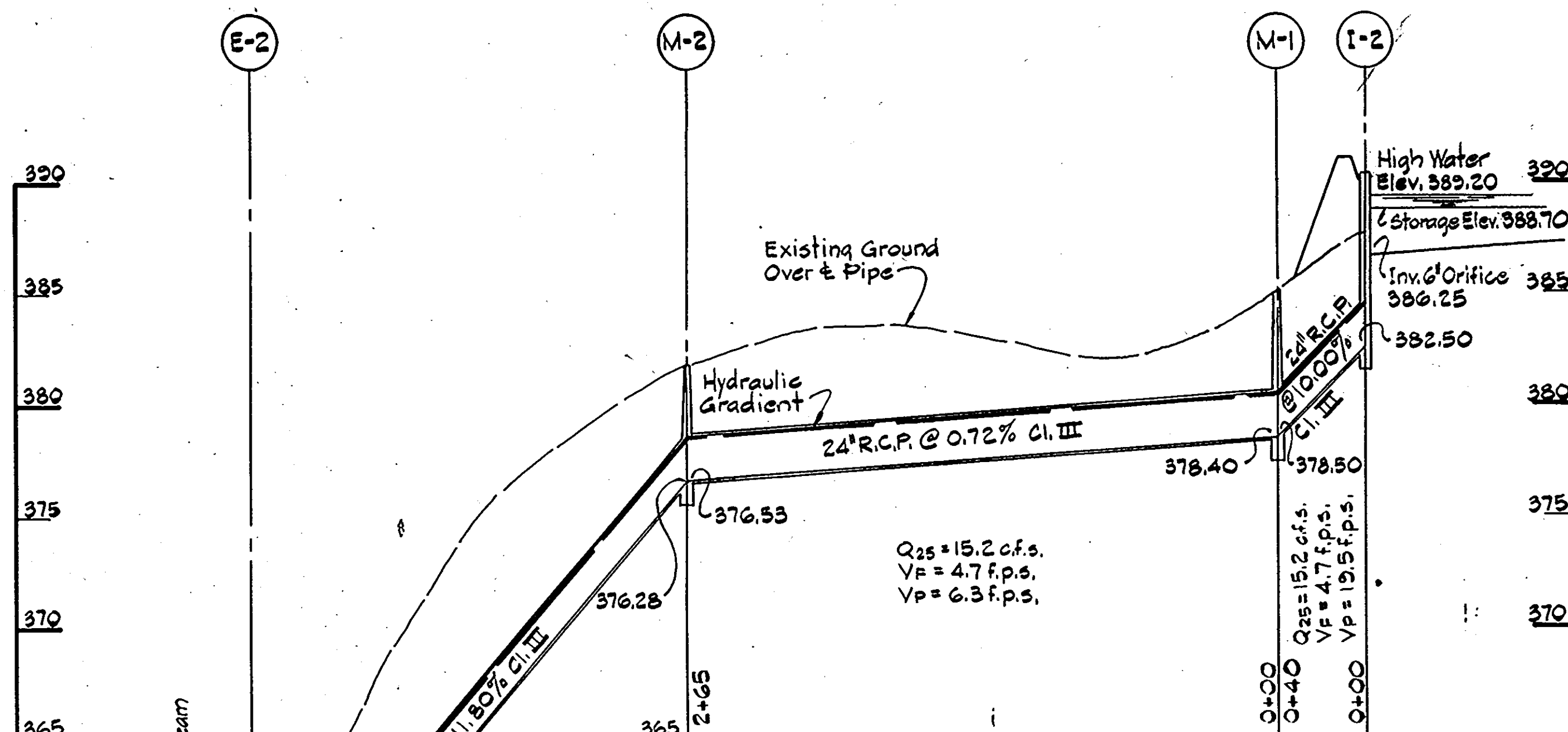


TEMPORARY STABILIZED CONSTRUCTION ENTRANCE  
 No Scale



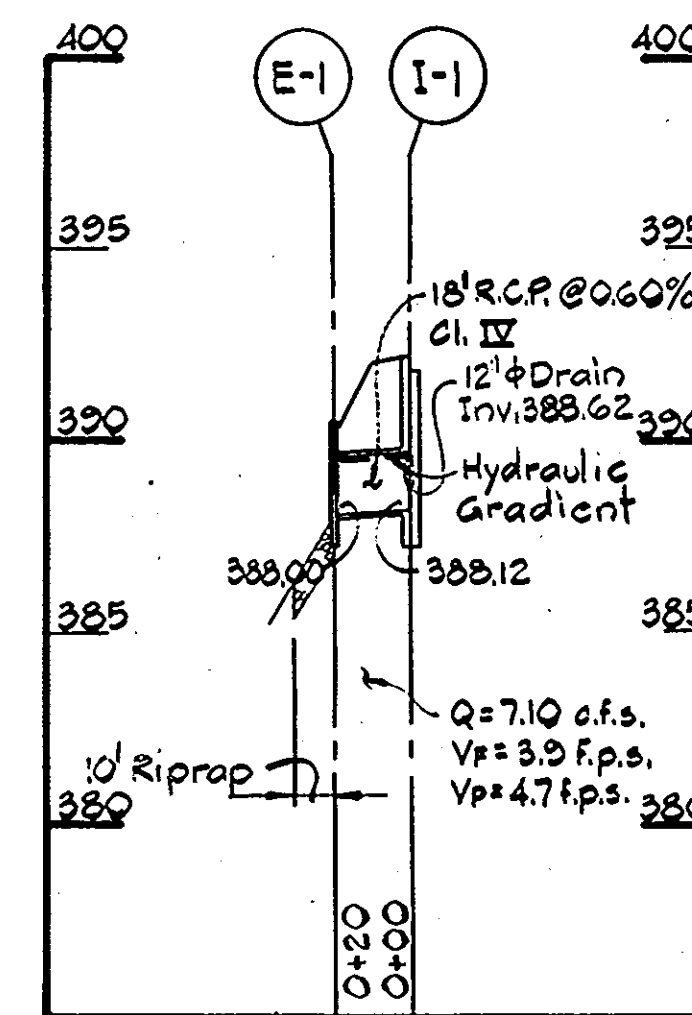
DRAINAGE AREA MAP  
 Scale: 1"=100'

STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	PAGE & DWS. NO.
I-1	A-5 Inlet	-	388.12	391.75	110A - 6-A
E-1	Std. Type C Inlet	388.25	390.25	390.33	See Detail Sheet 2 of 2
I-2	Modified Type D In.	386.25	382.50	390.33	See Detail Sheet 2 of 2
M-1	Std. MH	378.50	378.40	385.50	158 - D-103
M-2	Std. MH	376.53	376.28	381.70	158 - D-103
E-2	Std. Type C Endwall	-	353.27	356.02	107 - D-52



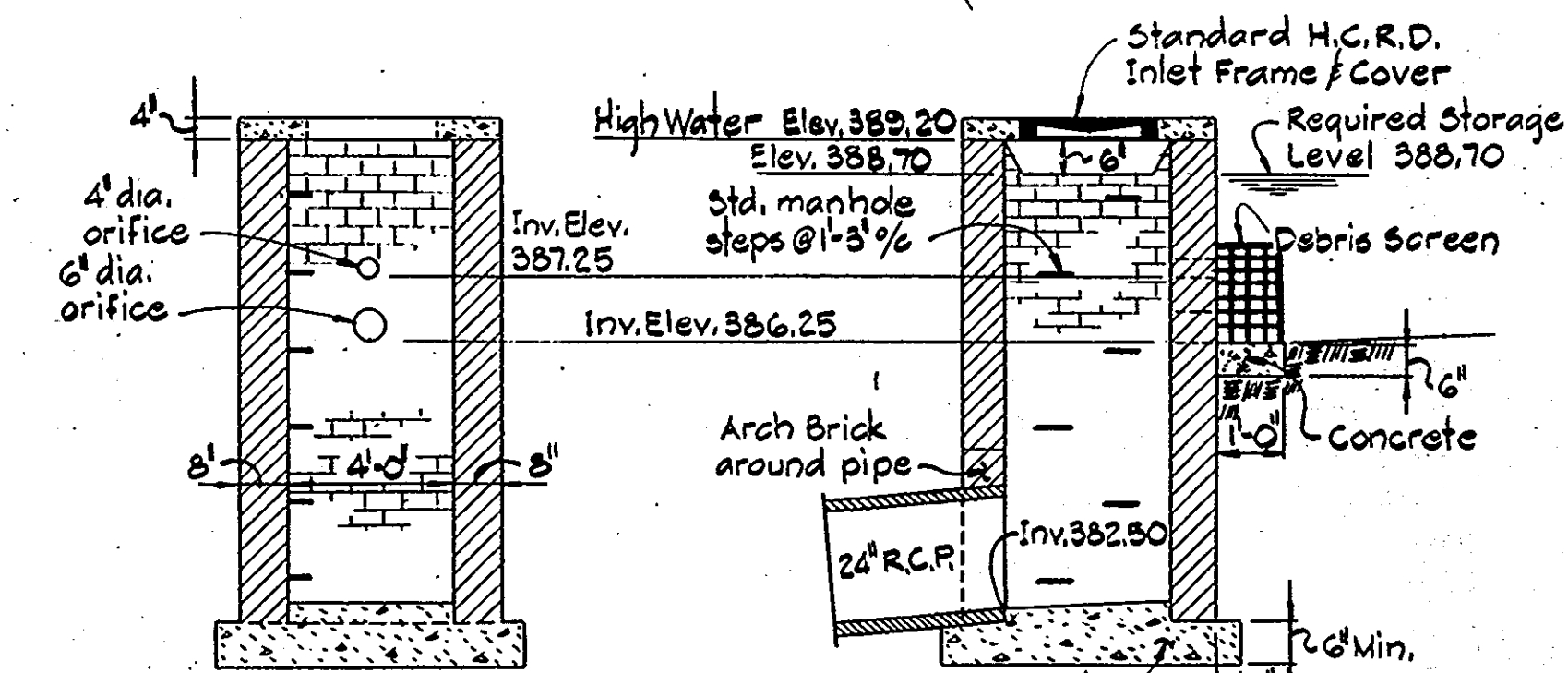
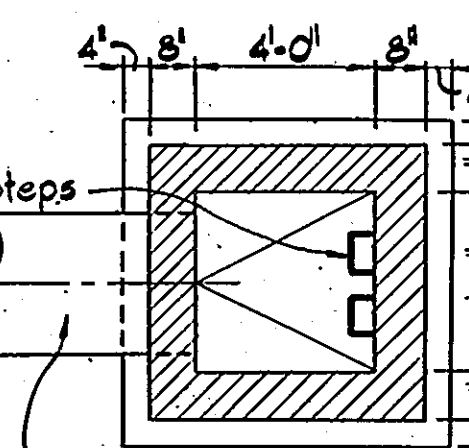
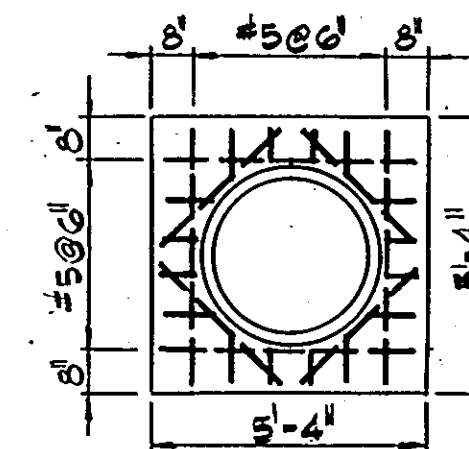
PROFILE

Horiz. = 1" = 50'  
 Vert. = 1" = 5'



PROFILE

Horiz. = 1" = 50'  
 Vert. = 1" = 5'



APPROVED PLANNING BOARD OF HOWARD COUNTY  
 DATE 10-26-77

MODIFIED TYPE 'D' INLET  
 No Scale

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 AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENT, AS ARE DEEMED NECESSARY, DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 SIGNATURE: [Signature] DATE: 11/23/77

HOWARD SOIL CONSERVATION DISTRICT  
 REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 SIGNATURE: [Signature] DATE: 12/13/77  
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: [Signature] DATE: 12/13/77

PROFESSIONAL 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: [Signature] DATE: August 14, 1977  
 WILMA G. RASCH, P.E.

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
 SIGNATURE: [Signature] DATE: 12-16-77  
 W.O. Piller, CHIEF, BUREAU OF HIGHWAYS

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.  
 SIGNATURE: [Signature] DATE: 12-19-77  
 DIVISION OF LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 SIGNATURE: [Signature] DATE: 12-19-77  
 COUNTY HEALTH OFFICER

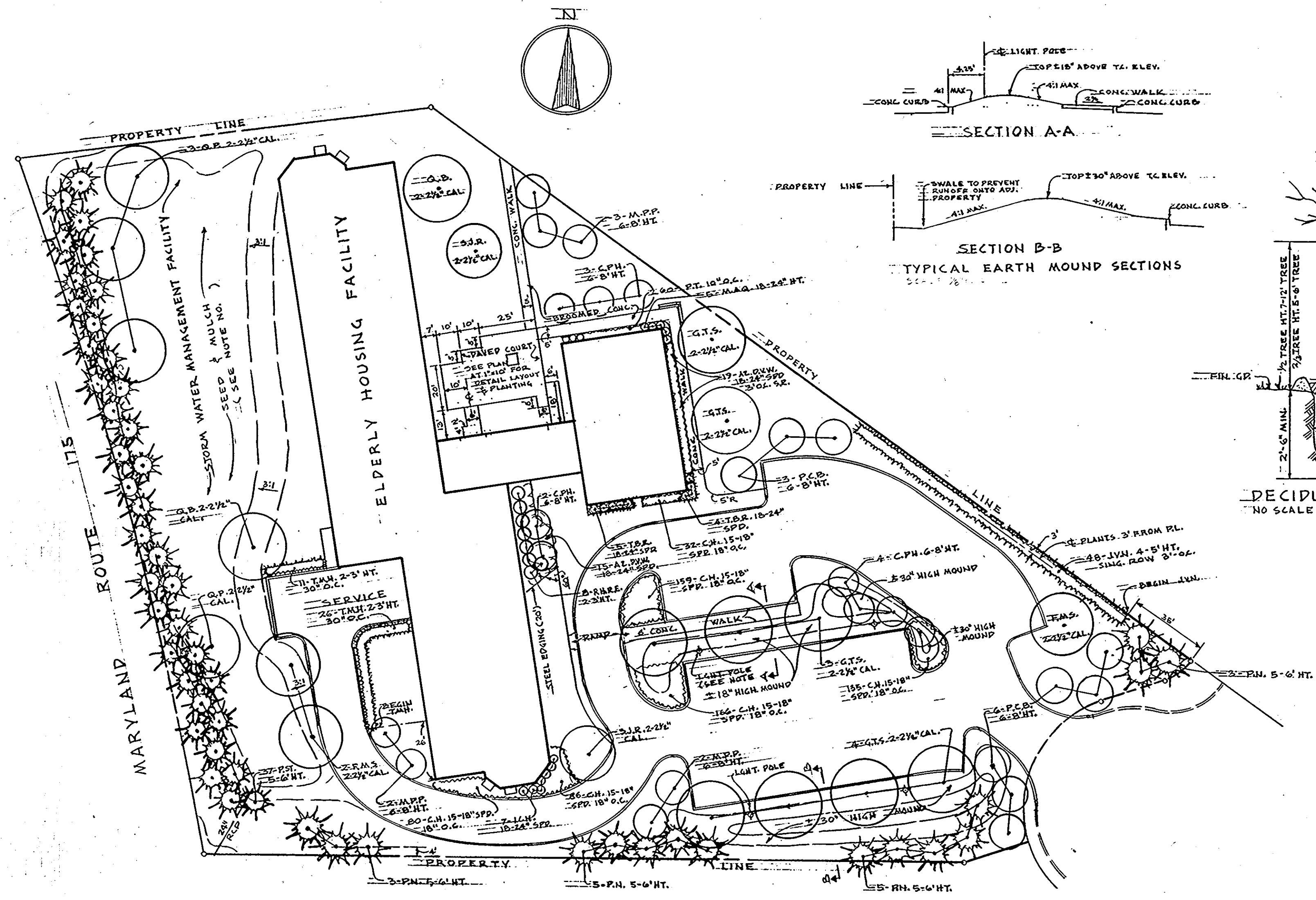


PURDUM & JESCHKE CONSULTING ENGINEERS LAND SURVEYORS  
 1023 North Calvert Street  
 Baltimore, Maryland 21202 301/837-0194

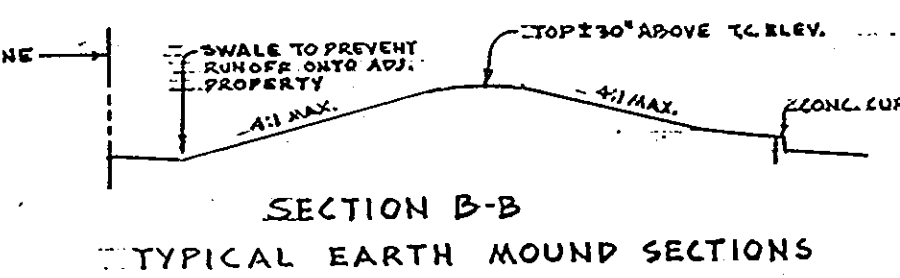
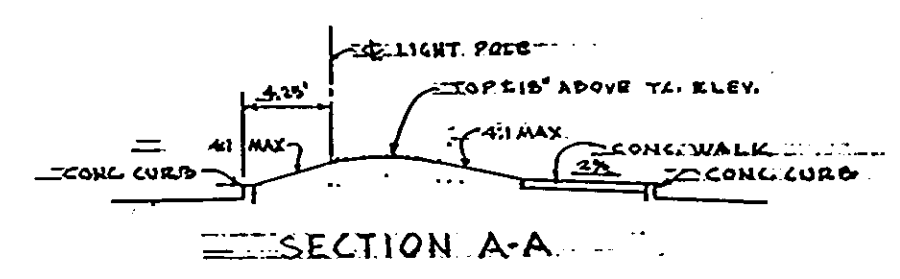
OWNER: HOWARD RESEARCH AND DEVELOPMENT CORPORATION  
 COLUMBIA, MARYLAND 21044  
 DEVELOPER: METROPOLITAN ASSOCIATES DEVELOPMENT CORP.  
 SUITE 226 8775 CLOUD LEAP COURT  
 COLUMBIA, MARYLAND 21045

DESIGNED BY: T.A.W.  
 DRAFTED BY: T.A.W.  
 CHECKED BY: E.B.W.  
 SCALE: AS SHOWN  
 DATE: 9/1/77

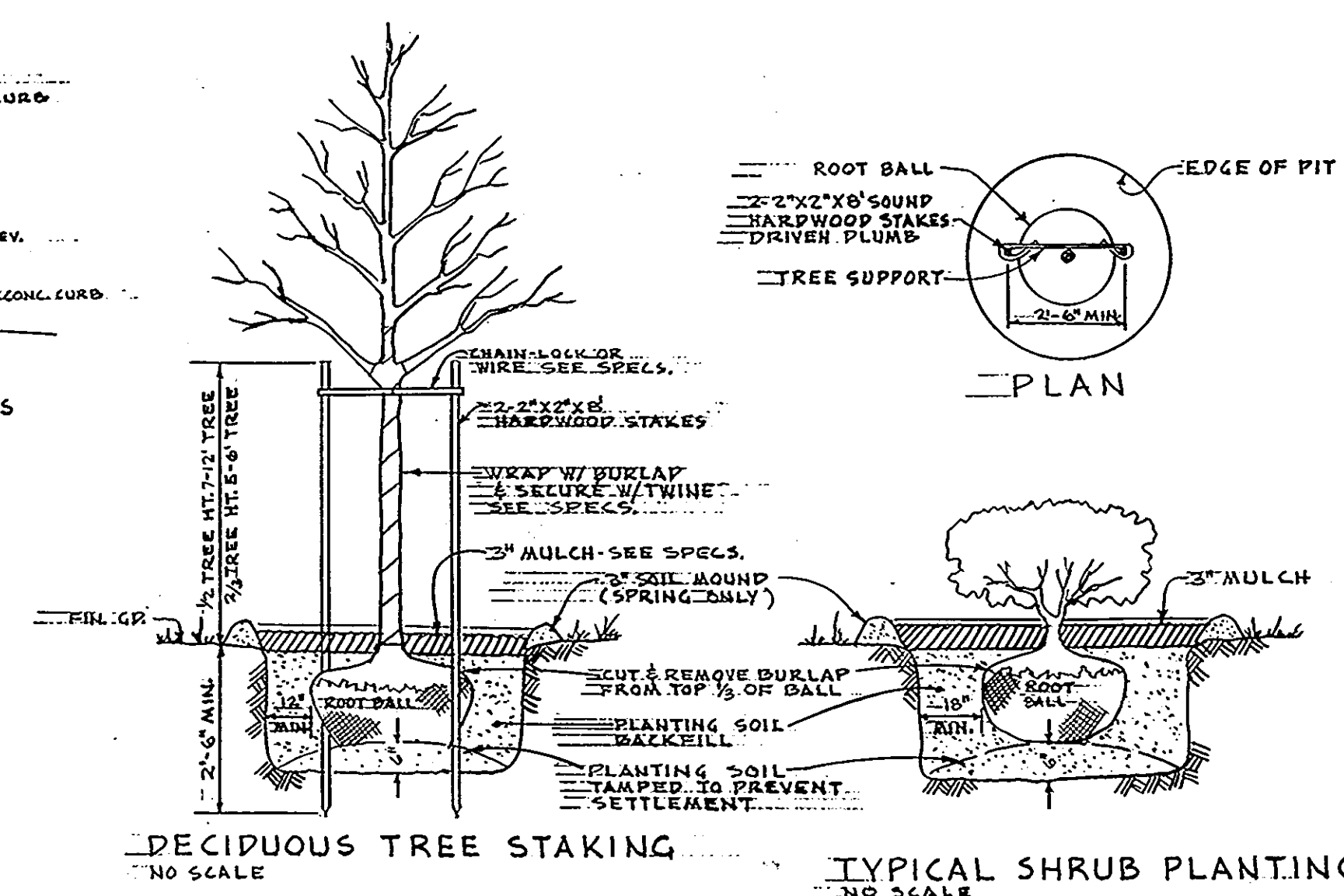
HOME FOR THE ELDERLY  
 VILLAGE OF LONGREACH, SECTION 1 AREA 7  
 PARCEL A-1  
 DRAINAGE AREA MAP & SEDIMENT CONTROL DETAILS  
 Sixth Election District  
 Tax Map No. 38  
 Howard County, Maryland  
 Parcel No. Liber 463 Folio 196



PLANTING PLAN  
No Scale



SECTION B-B  
TYPICAL EARTH MOUND SECTIONS



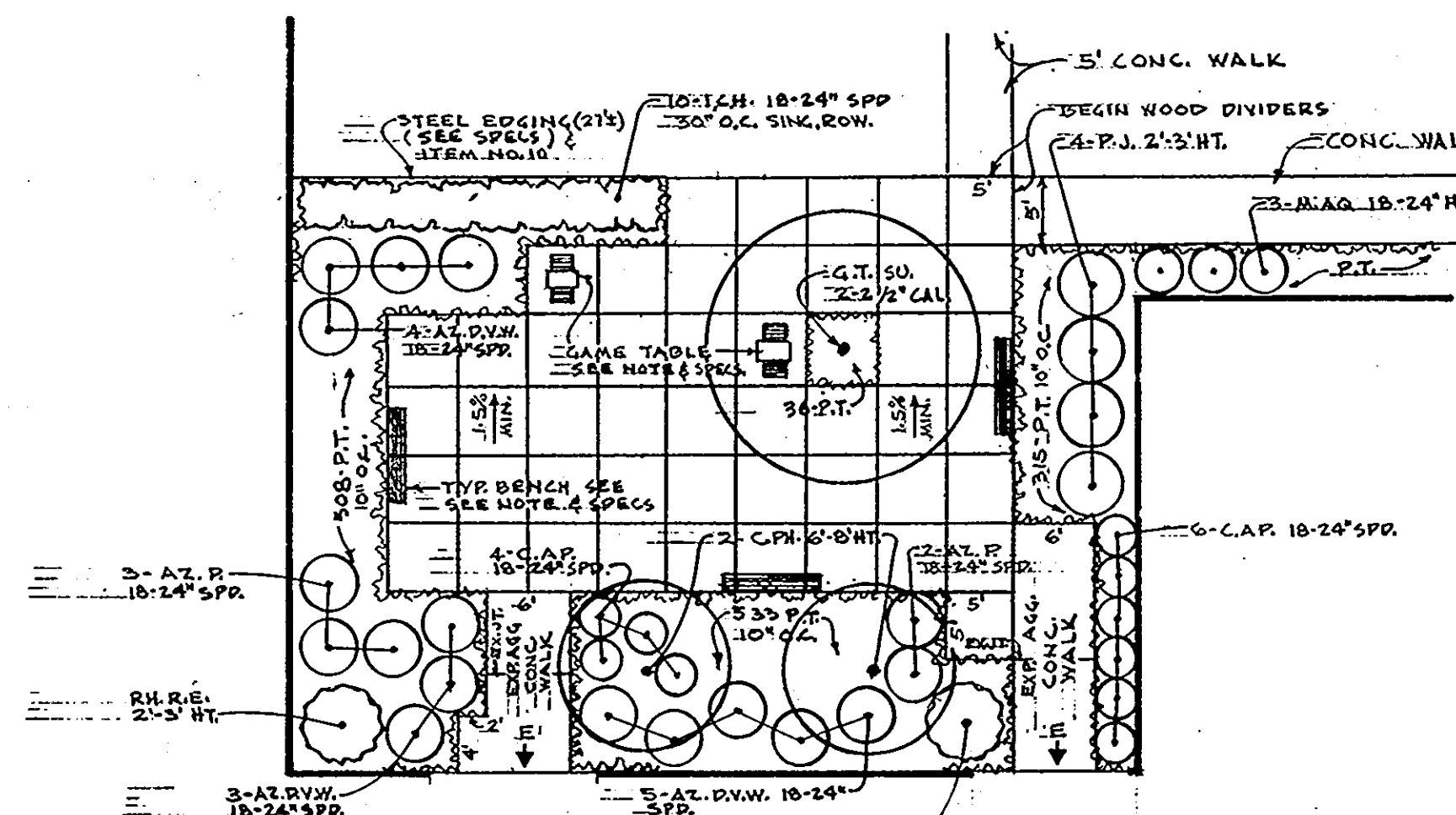
DECIDUOUS TREE STAKING  
NO SCALE

TYPICAL SHRUB PLANTING  
NO SCALE

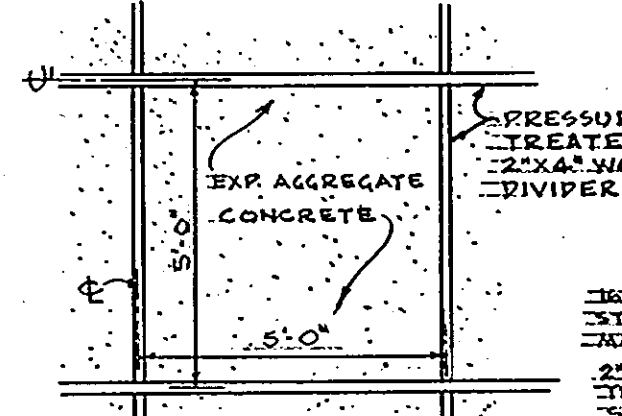
EVERGREEN TREE STAKING  
NO SCALE

QUANTITY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
<b>LARGE DECIDUOUS TREES</b>						
3	F.M.S.	FRAXINUS LAM. MARSHALL'S SEEDLESS	MARSHALL'S SEEDLESS ASH	2-2 1/2" CAL.	D & B	
1	G.T.S.	GLEDITSIA TRIA 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	2-2 1/2" CAL.	B & B	
9	G.T.S.U.	GLEDITSIA TRIA 'SUNBURST'	SUNBURST HONEYLOCUST	2-2 1/2" CAL.	B & B	
2	Q.O.B.	QUERCUS DOREALIS	NORTHERN RED OAK	2-2 1/2" CAL.	D & B	
4	Q.P.	QUERCUS PALUSTRIS	PINE OAK	2-2 1/2" CAL.	D & B	
2	S.J.R.	SOPHORA JAPONICA 'REGENT'	REGENT SCHOLARTREE	2-2 1/2" CAL.	D & B	10-12' HT.
<b>SMALL FLOWERING TREES</b>						
9	C.P.H.	CRATAEGUS PHAENOPYRUM	WASHINGTON HAWTHORN	6" B.H.T.	B & B	TREE FORM
7	M.P.P.	MALUS 'PINK PERFECTION'	PINK CRABAPPLE	6" B.H.T.	B & B	
7	P.C.B.	PYRUS CALLERYANA 'BRADFORD'	BRADFORD PEAR	6" B.H.T.	B & B	
<b>EVERGREEN TREES</b>						
16	P.N.	PINUS NIGRA	AUSTRIAN PINE	5" B.H.T.	D & B	
37	P.S.T.	PINUS STROBUS	WHITE PINE	5" B.H.T.	D & B	
<b>SHRUBS</b>						
26	A.Z.P.	AZALEA DELAWARE VALLEY WHITE	WHITE AZALEA	18" B.H.T.	B & B	
5	A.Z.P.	AZALEA POUKOHANENSIS	LAVENDER AZALEA	18" B.H.T.	B & B	
10	C.A.P.	COTONEASTER APICULATA	CRAWBERRY COTONEASTER	18" B.H.T.	B & B	
17	I.C.H.	ILEX CRENATA HETZLI	HETZ JAPANESE HOLLY	18" B.H.T.	B & B	
8	M.A.Q.	MANDARINA AQUIFOLIUM	JAPANESE ANDROMEDA	2-3' HT.	B & B	
4	P.J.	PIERIS JAPONICA	JAPANESE ANDROMEDA	2-3' HT.	B & B	
10	R.H.R.E.	RHOODENDRON 'ROSEUM ELEGANS'	COMPACT PINK RHOODENDRON	2-3' HT.	B & B	
9	T.B.R.	TAXUS BACCATA REPANDENS	SPREADING ENGLISH YEW	18" B.H.T.	B & B	
37	T.M.H.	TAXUS MEDIA HICKSI	HICKS YEW	2-2 1/2" CAL.	D & B	
<b>GROUND COVER PLANTS</b>						
658	C.H.	COTONEASTER HERSTFEUER	FALLFIRE COTONEASTER	15" B.H.T.	6" CAN	
1735	P.T.	PACHYSANDRA TERMINALIS	PACHYSANDRA SPURGE	1 1/2" CAL.	2" POTS	PEAT POTS

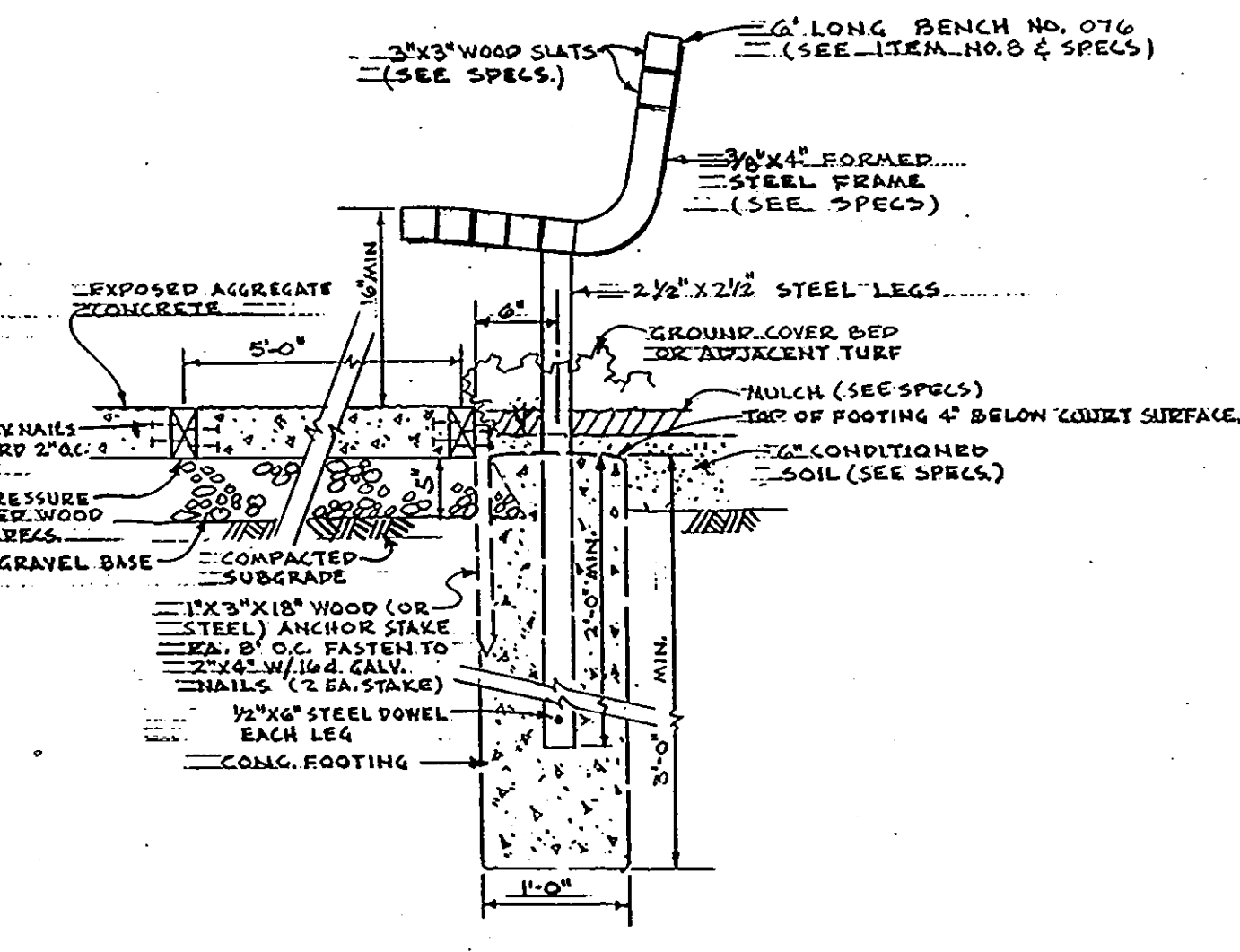
- MISCELLANEOUS ITEMS**
- 1. TOPSOIL AT 4" SETTLED DEPTH OVER AREAS TO BE SEEDED AND MULCHED - @ 49 CU.YD.
  - 2. TOPSOIL AT 6" SETTLED DEPTH IN GROUND COVER AREAS - @ 171 CU.YD. (35 L.N. ALL CH.)
  - 3. PEAT MOSS TO BE SPREAD AT 3" DEPTH AND ROTOTILLED INTO 6" TOPSOIL ADJACENT TO PAVED COURT - 14 CU.YD.
  - 4. AREAS TO BE SEEDED AND MULCHED - @ 177 S.Y.
  - 5. MULCHING MATERIAL FOR TREES, SHRUBS & GROUND COVER AREAS - 441 S.Y. (2" DEPTH OVER P.T. AREAS)
  - 6. DEPTH AROUND TREES AND SHRUBS - MULCH ENTIRE AREAS @ 6" TO 8" DEPTH.
  - 7. EXPOSED AGGREGATE CONC. COURT PAVEMENT WITH 2" X 4" WOOD DIVIDERS & 2" X 6" ENTRANCE WALKS - 152 S.Y.
  - 8. GRAVEL BASE AT 3" DEPTH UNDER COURT PAVING AND ENTRANCE WALKS - 23.9 CU.YD.
  - 9. BENCHES BY LANDSCAPE STRUCTURES INC. (NO. 076) - (SEE SPECS.) 2 TOTAL. (EXACT LOCATION IN FIELD BY ARCH.)
  - 10. GAME TABLES BY LANDSCAPE STRUCTURES INC. (NO. 102) - (SEE SPECS.) 2 TOTAL. (EXACT LOCATION IN FIELD BY ARCH.)
  - 11. STEEL EDGING 4" X 1/2" THICK BY J.T. RYERSON # 504 BOX 7349 - PHILA. PENN. 347 L.F. INSTALL AS PER MFG'S DIRECTIONS - COLOR, BLACK
- NOTES:**
- 1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO DIGGING PLANT PITS OR ROTOTILLING GROUND COVER AREAS.
  - 2. PLANT ALL EVERGREEN MATERIAL AS EARLY AS POSSIBLE DURING BOTH FALL AND SPRING SEASONS.
  - 3. LIGHT POLES SHALL BE LOCATED MIN. 4.25' BACK FROM FACE OF CURB.
  - 4. ALL AREAS OF TURF SHALL BE SEEDED AND MULCHED UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.



PLAN EXPOSED AGGREGATE CONC. COURT  
No Scale



PLAN COURT PAVING

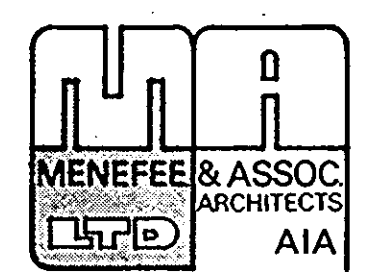
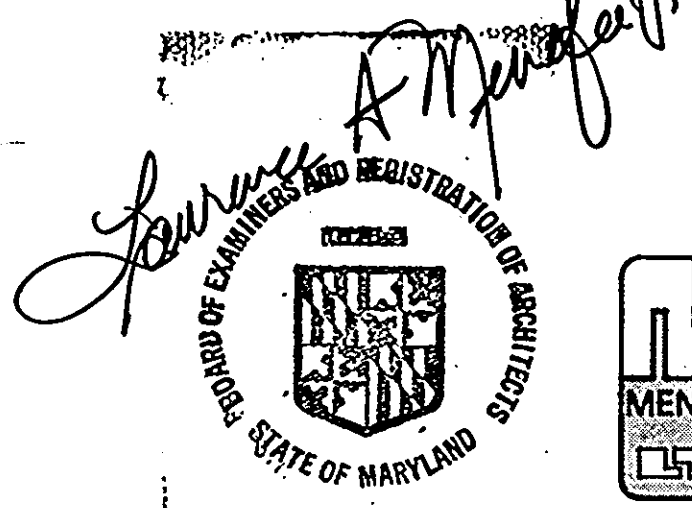


SECTION WOOD DIVIDERS IN PAVING

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
 P.P. [Signature] 12-16-77  
 W.O. [Signature] 12-16-77  
 CHIEF, BUREAU OF HIGHWAYS

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.  
 J. [Signature] 12-19-77  
 PLANNING DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.  
 J. [Signature] 12-19-77  
 COUNTY HEALTH OFFICER



2525 N. CALVERT STREET BALTIMORE MARYLAND AREA 301 338-0600

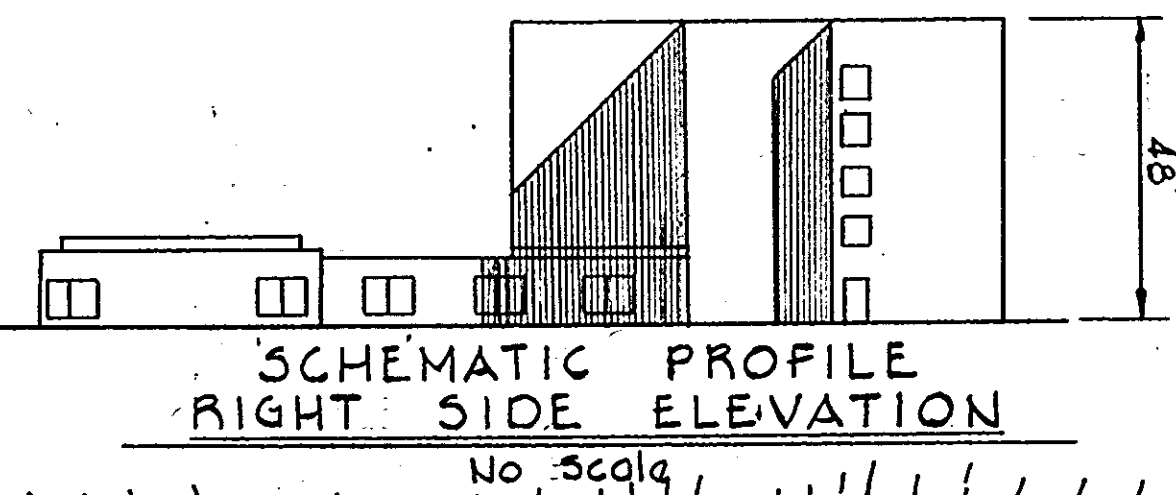


V.L.R. 117, PARCEL A-1  
 "LONG REACH" HOUSING FOR THE ELDERLY COLUMBIA, MARYLAND  
 DEVELOPER: METROPOLITAN ASSOC. COLUMBIA, MARYLAND

APPROVED PLANNING BOARD OF HOWARD COUNTY  
 DATE 10-26-77

PLANTING PLAN  
 SCALE: NONE  
 DRN. BY: [Signature]

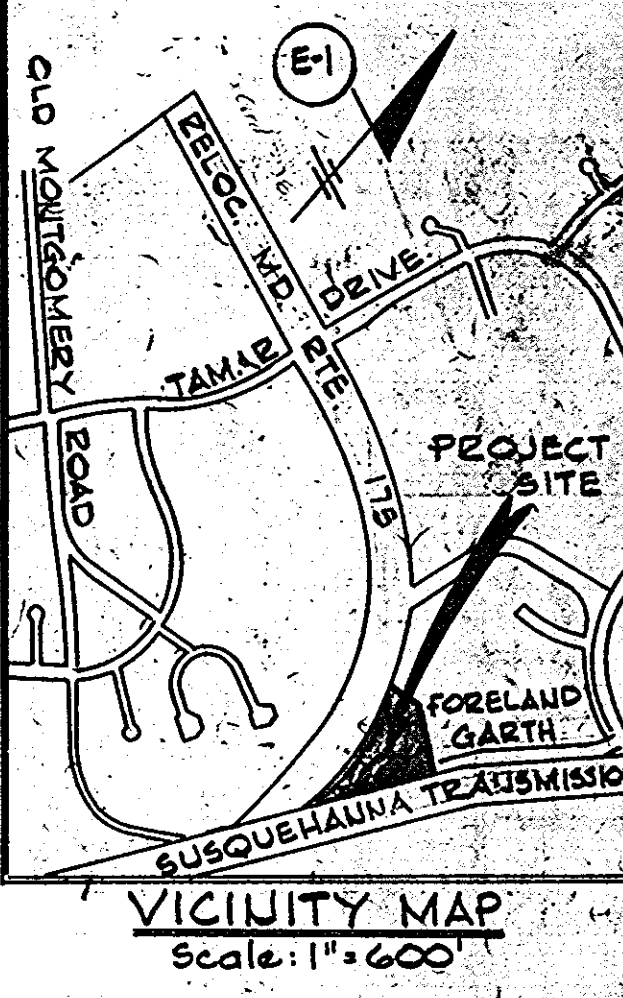
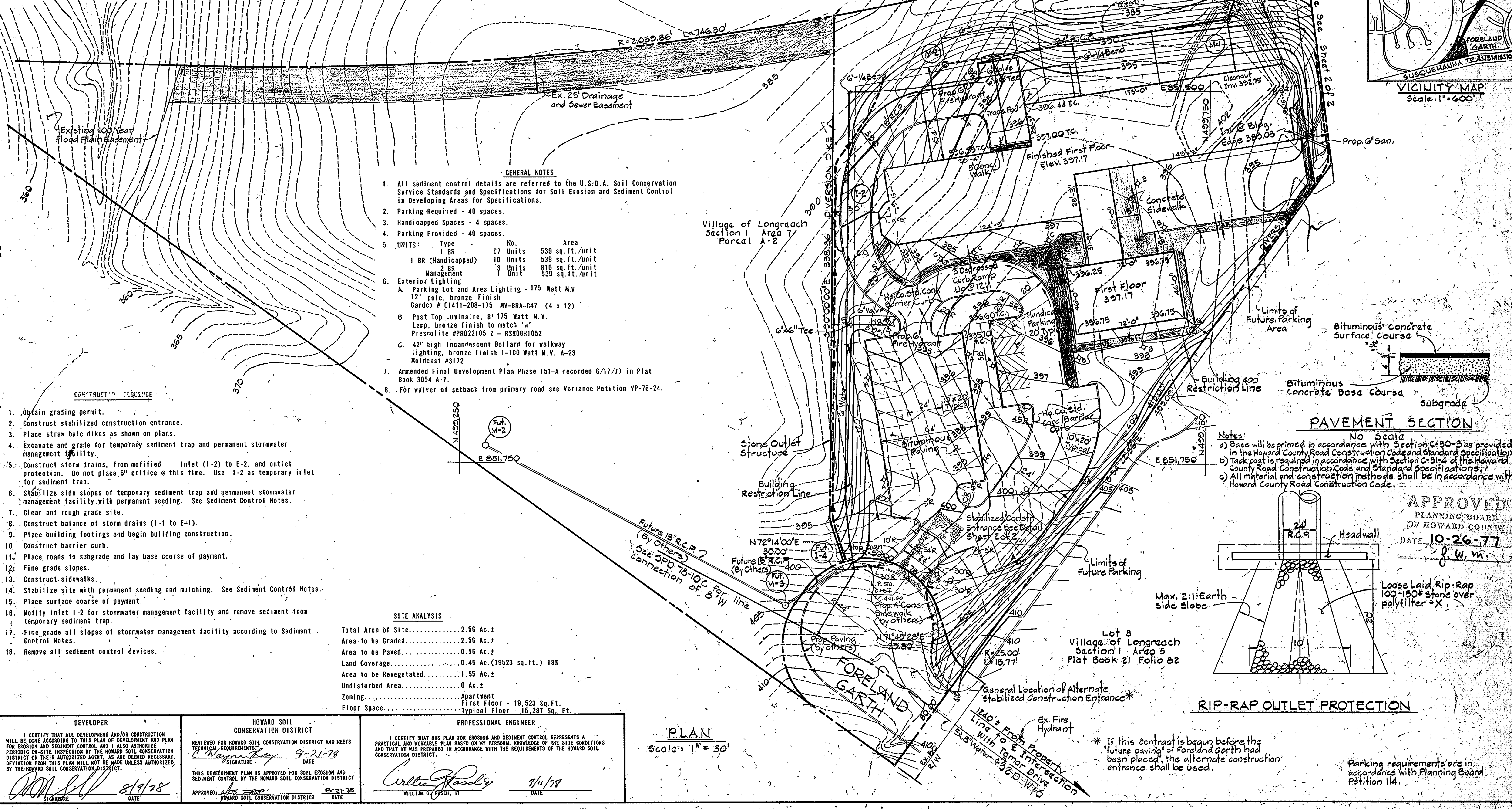
JOB NO. 7506  
 DWG. NO. LP-1  
 3 OF 5



MARYLAND

ROUTE 175

175 E. Md. Route 175



- GENERAL NOTES**
- All sediment control details are referred to the U.S.D.A. Soil Conservation Service Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas for Specifications.
  - Parking Required - 40 spaces.
  - Handicapped Spaces - 4 spaces.
  - Parking Provided - 40 spaces.
  - UNITS:
 

Type	No.	Area
1 BR	C7 Units	539 sq. ft./unit
1 BR (Handicapped)	10 Units	539 sq. ft./unit
2 BR Management	3 Units	810 sq. ft./unit
1 Unit	1 Unit	539 sq. ft./unit
  - Exterior Lighting
    - Parking Lot and Area Lighting - 175 Watt M.V. 12" pole, bronze finish Gardco # C1411-208-175 MV-BRA-C47 (4 x 12)
    - Post Top Luminaire, 8' 175 Watt M.V. Lamp, bronze finish to match 'a' Presolite #PRO22105 Z - RSH08H105Z
    - 42" high Incandescent Bollard for walkway lighting, bronze finish 1-100 Watt M.V. A-23 Moldcast #3172
  - Amended Final Development Plan Phase 151-A recorded 6/17/77 in Plat Book 3054 A-7.
  - For waiver of setback from primary road see Variance Petition VP-78-24.

- CONSTRUCTION SEQUENCE**
- Obtain grading permit.
  - Construct stabilized construction entrance.
  - Place straw bale dikes as shown on plans.
  - Excavate and grade for temporary sediment trap and permanent stormwater management facility.
  - Construct storm drains, from modified Inlet (1-2) to E-2, and outlet protection. Do not place 6" orifice @ this time. Use 1-2 as temporary inlet for sediment trap.
  - Stabilize side slopes of temporary sediment trap and permanent stormwater management facility with permanent seeding. See Sediment Control Notes.
  - Clear and rough grade site.
  - Construct balance of storm drains (1-1 to E-1).
  - Place building footings and begin building construction.
  - Construct barrier curb.
  - Place roads to subgrade and lay base course of payment.
  - Fine grade slopes.
  - Construct sidewalks.
  - Stabilize site with permanent seeding and mulching. See Sediment Control Notes.
  - Place surface course of payment.
  - Modify inlet 1-2 for stormwater management facility and remove sediment from temporary sediment trap.
  - Fine grade all slopes of stormwater management facility according to Sediment Control Notes.
  - Remove all sediment control devices.

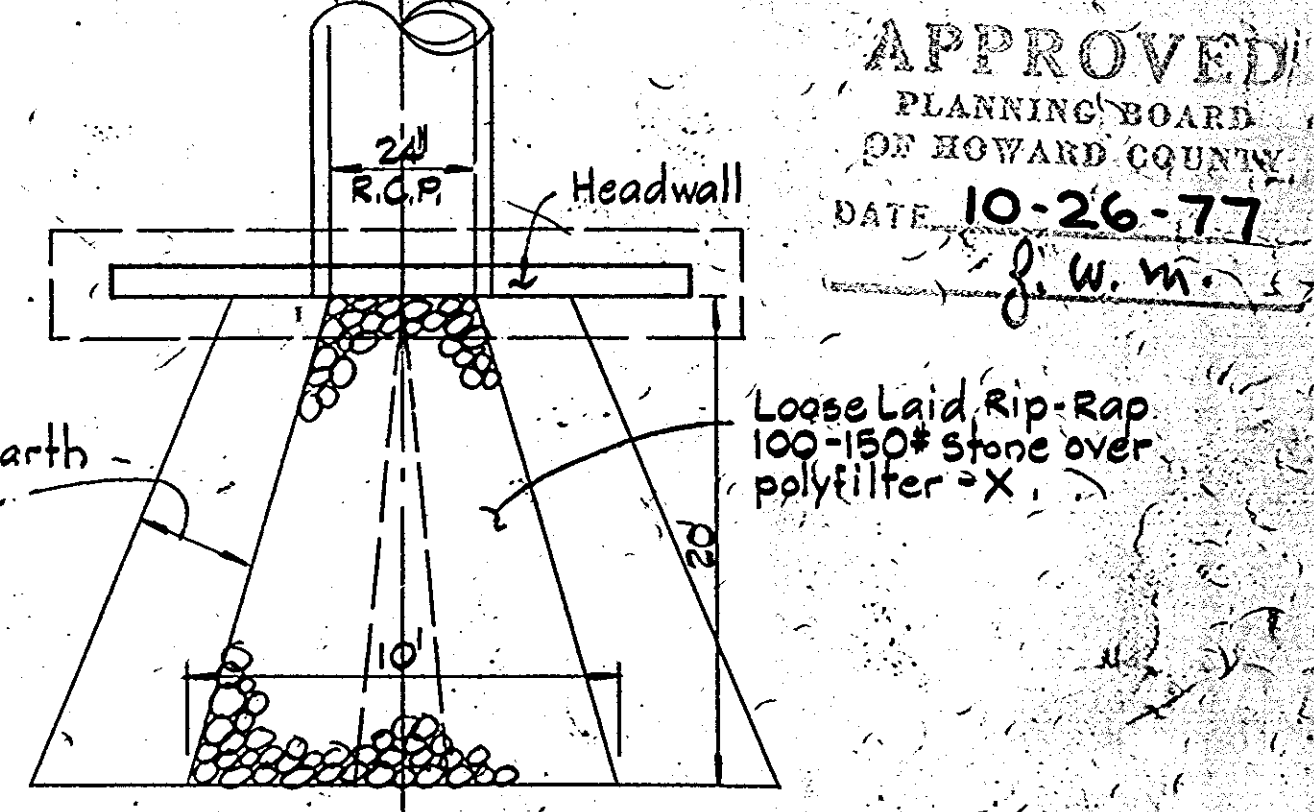
**SITE ANALYSIS**

Total Area of Site	2.56 Ac. ±
Area to be Graded	2.56 Ac. ±
Area to be Paved	0.56 Ac. ±
Land Coverage	0.45 Ac. (19523 sq. ft.) 18%
Area to be Revegetated	1.55 Ac. ±
Undisturbed Area	0 Ac. ±
Zoning	Apartment
Floor Space	First Floor - 19,523 Sq. Ft. Typical Floor - 15,287 Sq. Ft.

**PLAN**  
Scale: 1" = 30'

**PAVEMENT SECTION**

- Notes:
- Base will be primed in accordance with Section C-30-3 as provided in the Howard County Road Construction Code and Standard Specifications.
  - Track coat is required in accordance with Section C-31-4 of the Howard County Road Construction Code and Standard Specifications.
  - All material and construction methods shall be in accordance with Howard County Road Construction Code.



**APPROVED**  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 10-26-77  
J. W. W.

**RIP-RAP OUTLET PROTECTION**

\* If this contract is begun before the future paving of Foreland GARTH had been placed, the alternate construction entrance shall be used.

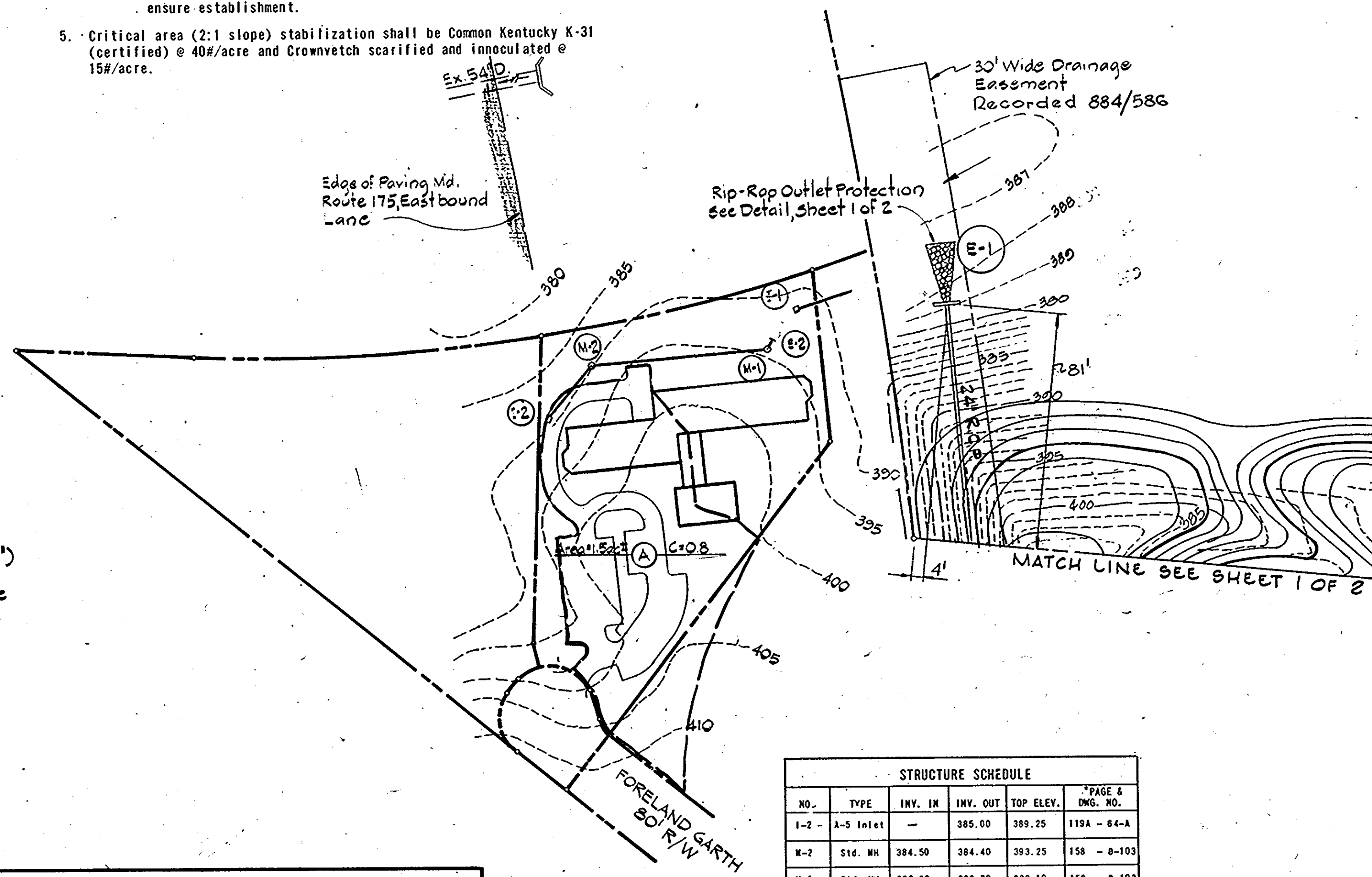
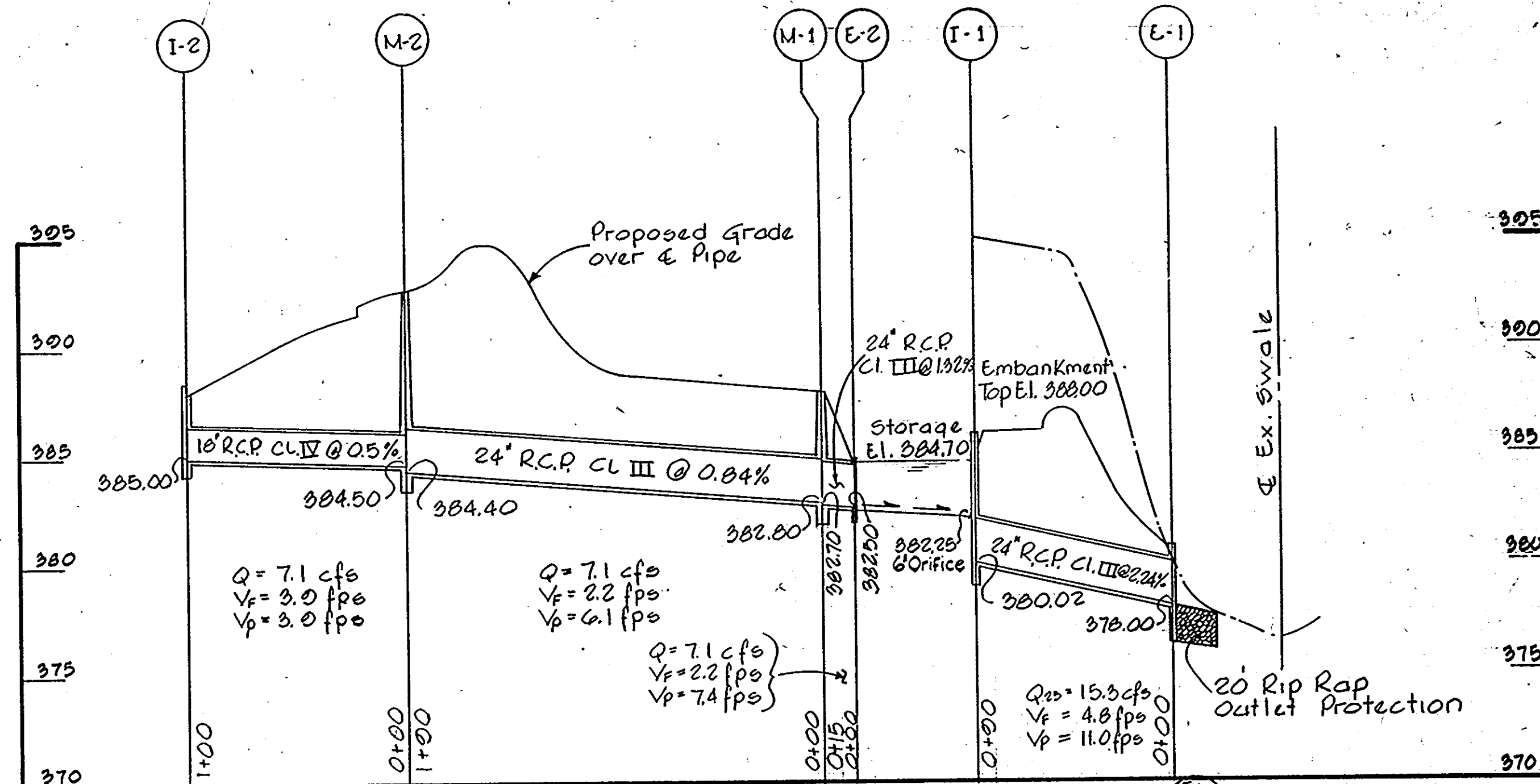
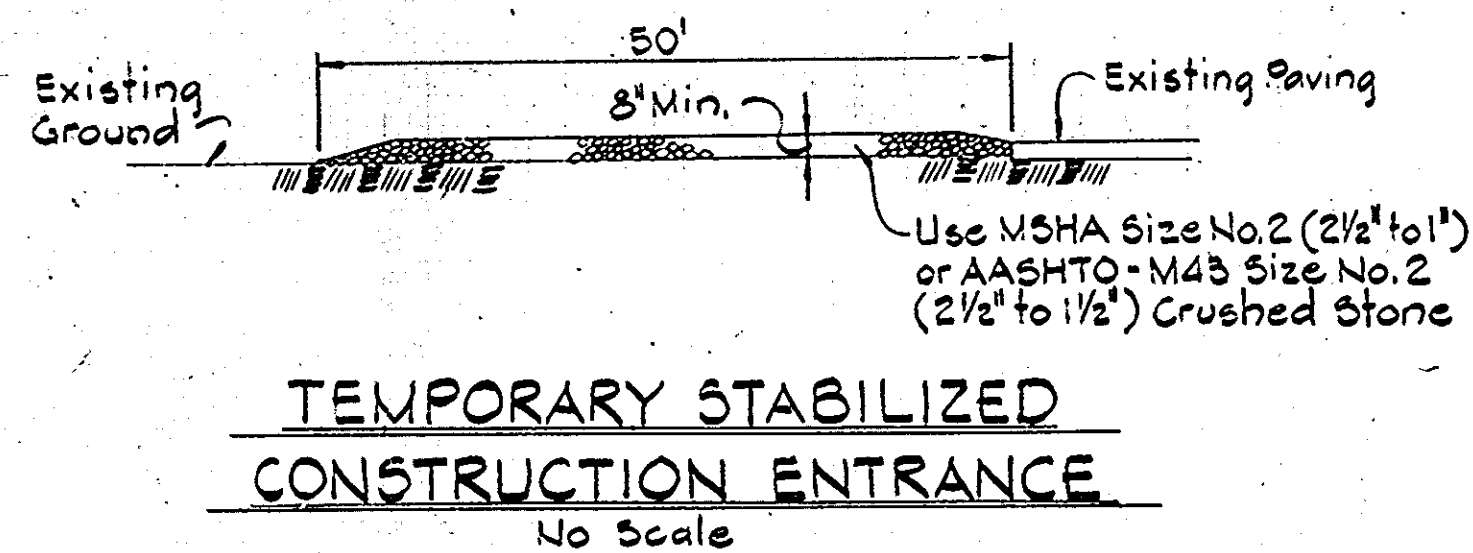
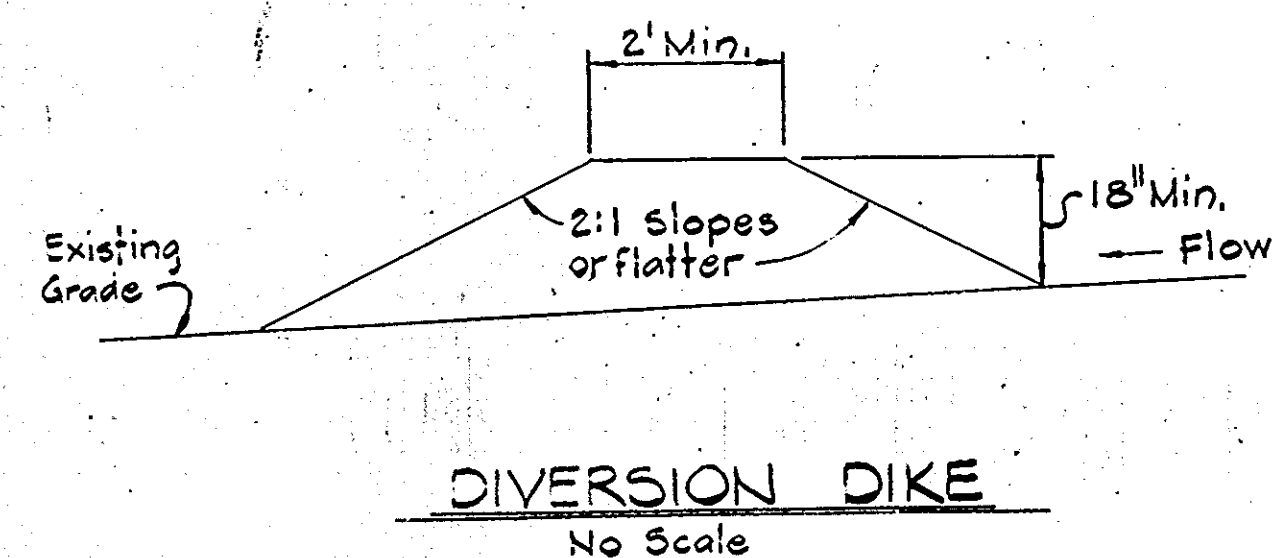
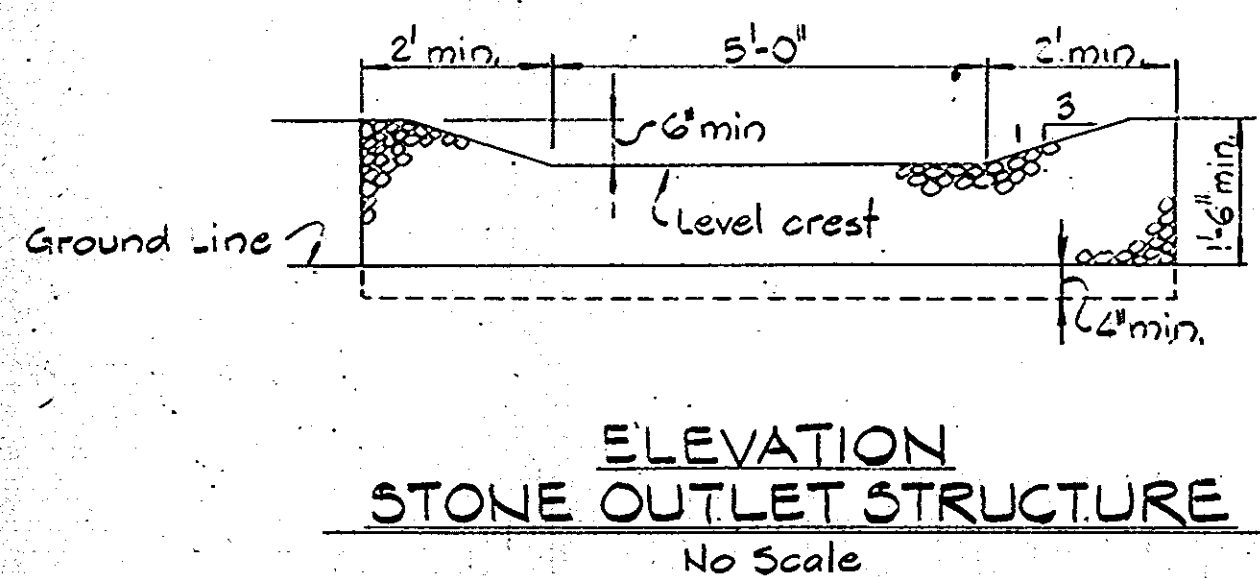
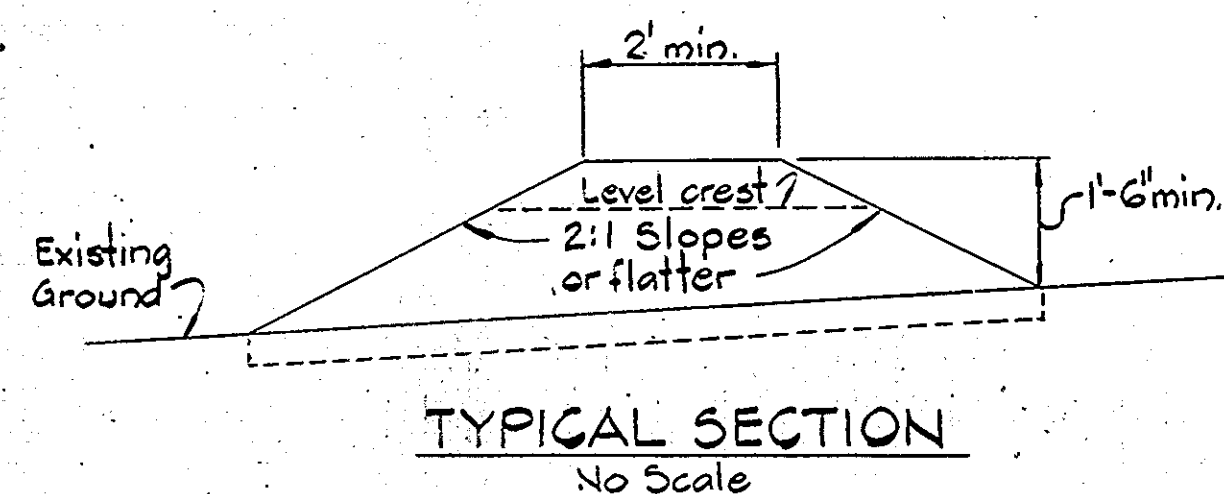
Parking requirements are in accordance with Planning Board Petition 114.

<p><b>DEVELOPER</b></p> <p>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 AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENT, AS ARE DEEMED NECESSARY, DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p><i>[Signature]</i> 8/9/78 SIGNATURE DATE</p>	<p><b>HOWARD SOIL CONSERVATION DISTRICT</b></p> <p>REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS:</p> <p><i>[Signature]</i> 9-21-78 SIGNATURE DATE</p> <p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p>APPROVED: <i>[Signature]</i> 8-21-78 HOWARD SOIL CONSERVATION DISTRICT DATE</p>	<p><b>PROFESSIONAL ENGINEER</b></p> <p>I CERTIFY THAT HIS 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.</p> <p><i>[Signature]</i> 7/11/78 WILLIAM G. JESCH, II DATE</p>
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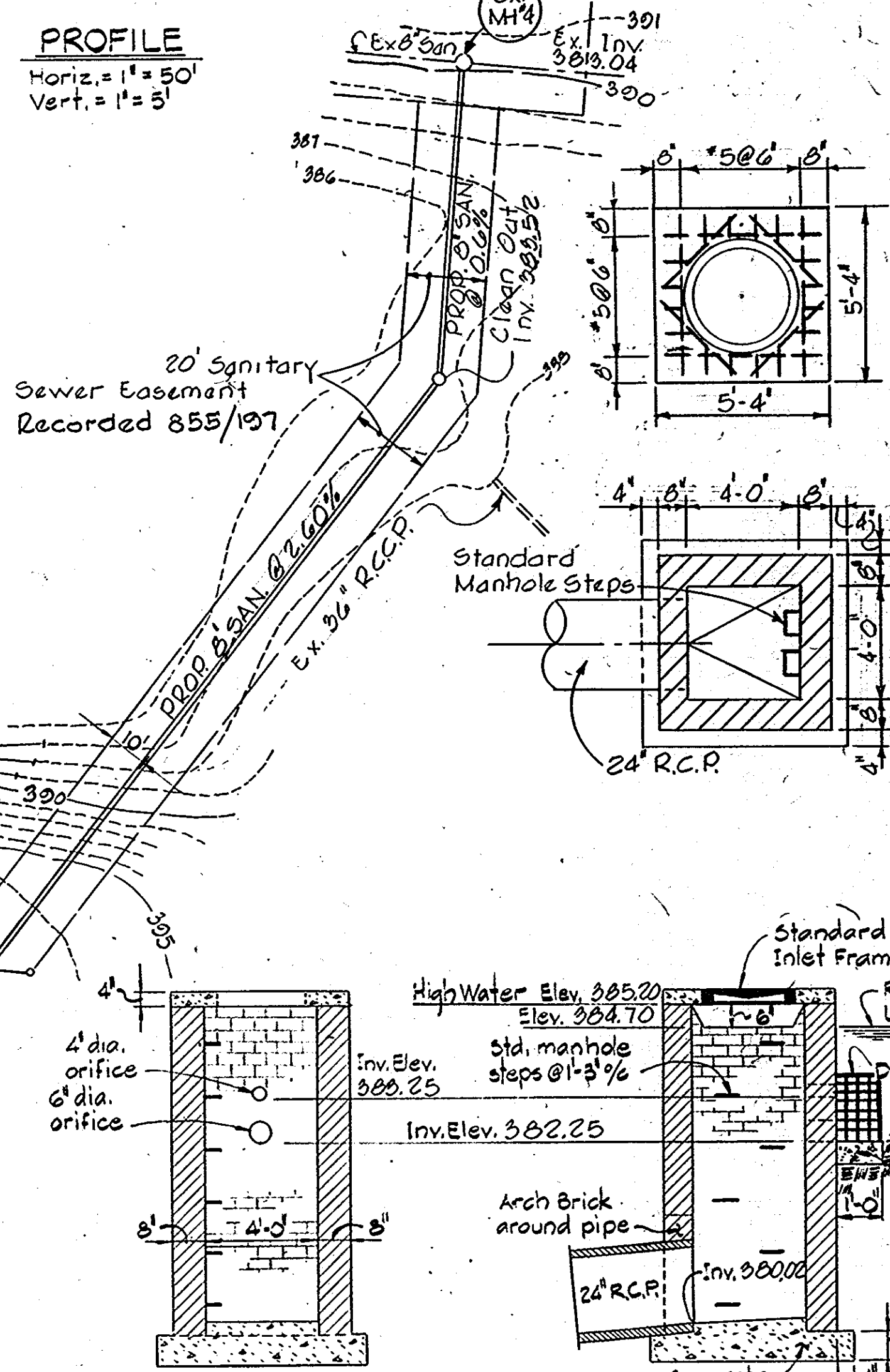
<p>APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.</p> <p><i>[Signature]</i> 8/28/78 DIRECTOR DATE</p> <p><i>[Signature]</i> 8-28-78 CHIEF, BUREAU OF HIGHWAYS DATE</p>	<p>APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.</p> <p><i>[Signature]</i> 9/28/78 PLANNING DIRECTOR DATE</p> <p><i>[Signature]</i> 9-28-78 CHIEF, DIVISION OF LAND DEVELOPMENT DATE</p>	<p>APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.</p> <p><i>[Signature]</i> 8-31-78 COUNTY HEALTH OFFICER DATE</p> <p><i>[Signature]</i> 9-21-78 DATE</p>	<p><b>PURDUM &amp; JESCHKE CONSULTING ENGINEERS LAND SURVEYORS</b></p> <p>1023 North Calvert Street Baltimore, Maryland 21202 301/837-0194</p>	<p><b>OWNER:</b> HOWARD RESEARCH AND DEVELOPMENT CORPORATION COLUMBIA, MARYLAND 21044</p> <p><b>DEVELOPER:</b> METROPOLITAN ASSOCIATES DEVELOPMENT CORP. SUITE 226 3775 CLOUD LEAP COURT COLUMBIA, MARYLAND 21045</p>	<p><b>DESIGNED BY:</b> T.A.M. <b>DRAFTED BY:</b> T.A.M. <b>CHECKED BY:</b> E.D.W. <b>SCALE:</b> AS SHOWN <b>DATE:</b> 9/1/77</p>	<p><b>HOME FOR THE ELDERLY VILLAGE OF LONGREACH, SECTION 1, AREA 7 - PARCEL A-1</b></p> <p><b>SITE DEVELOPMENT PLAN</b></p> <p>Sixth Election District Tax Map No. 36 REVISION: FEB. 1978</p> <p>Howard County, Maryland Parcel No. A-1 Liber 463, Folio 196</p>	<p>SHEET 4 OF 5</p>
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SEDIMENT CONTROL NOTES

- The developer shall notify the Ho. Co. Office of Inspection and Permits at least 24 hours prior to beginning any construction shown hereon (465-5000 Ext. 365).
- Dikes, sediment traps, etc., to be constructed prior to any onsite grading or disturbance to any existing surface material, and are to be stabilized as soon as constructed.
- All sediment control structures to remain in place until permission for their removal has been obtained from the Ho. Co. Office of Inspections and Permits (465-5000 Ext. 365).
- All graded areas not to be sodded shall be stabilized by seeding and mulching in accordance with the following:
  - Site Preparation
    - Harrow or disc in areas proposed to be seeded with the following materials at the specified rate to a depth of 3".
      - Pulverized limestone at 1 1/2 tons/acre
      - Commercial fertilizer 10-10-10 at 1/2 tons/acre.
      - Super phosphate at 600 lbs/acre.
  - Seeding
    - Sow the following seed mixture at the rate of 200 lbs/acre with a mechanical spreader.
      - Temporary: Italian or Perennial Rye Grass
      - Permanent: 40% Marion Blue Grass, 40% South Dakota Blue Grass & 20% Penn Lawn Creeping Red Fescue
  - Mulching
    - Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1 1/2 to 2 tons/acre.
    - Tie mulch down with liquid asphalt at 0.1 gal/s.y. or emulsified asphalt at 0.04 gal/s.y. on mulch netting.
  - Sodding
    - Apply 10-10-10 Fertilizer @ 1000 lbs/acre (25 lbs/1000)
    - Apply Ground Agricultural Limestone @ 2000 lbs/acre (50 lbs/1000)
    - Incorporate both lime and fertilizer into soil by disking. Firm up after incorporation.
    - Lay sod to a tight fit. Roll to ensure contact with underlying soil. Water as necessary for first two weeks (in summer) to ensure establishment.
- Critical area (2:1 slope) stabilization shall be Common Kentucky K-31 (certified) @ 40#/acre and Crownvetch scarified and inoculated @ 15#/acre.



STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	PAGE & ENG. NO.
I-2	A-5 Inlet	385.00	389.25	119A - 64-A	
M-2	Std. MH	384.50	384.40	393.25	158 - 0-103
M-1	Std. MH	382.80	382.70	388.10	158 - 0-103
E-2	Std. Type C Endall	-	382.50	385.25	107 - 0-52
I-1	Modified Type D In	385.25	380.02	385.53	See Detail Sheet 2 of 2
E-1	Std. Type C Endall	-	378.00	380.75	107 - 0-52



**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 AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENT. AS ARE DEEMED NECESSARY, DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Richard E. Frudenberg* 8/28/78  
DIRECTOR DATE

**HOWARD SOIL CONSERVATION DISTRICT**  
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*C. Wayne Ray* 8-21-78  
SIGNATURE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
APPROVED: *[Signature]* 8-21-78  
HOWARD SOIL CONSERVATION DISTRICT DATE

**PROFESSIONAL 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.

*William S. Rasch, II* 7/11/78  
WILLIAM S. RASCH, II DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Richard E. Frudenberg* 8/28/78  
DIRECTOR DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.  
*[Signature]* 9/28/78  
ACTING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
*[Signature]* 8-28-78  
COUNTY HEALTH OFFICER DATE

*[Signature]* 8-28-78  
CHIEF, BUREAU OF HIGHWAYS DATE

*[Signature]* 9-28-78  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

**PURDUM & JESCHKE**  
**CONSULTING ENGINEERS**  
**LAND SURVEYORS**  
1023 North Calvert Street  
Baltimore, Maryland 21202 301/837-0194

**OWNER:**  
HOWARD RESEARCH AND DEVELOPMENT CORPORATION  
COLUMBIA, MARYLAND 21044

**DEVELOPER:**  
METROPOLITAN ASSOCIATES DEVELOPMENT CORP.  
SUITE 225 8775 CLOUD LEAP COURT  
COLUMBIA, MARYLAND 21045

**DESIGNED BY:** T.A.W.  
**DRAFTED BY:** T.A.W.  
**CHECKED BY:** E.B.W.  
**SCALE:** AS SHOWN  
**DATE:** 9/1/77

**HOME FOR THE ELDERLY**  
**VILLAGE OF LONGREACH, SECTION 1 AREA 7**  
PARCEL A-1

**DRAINAGE AREA MAP & SEDIMENT CONTROL DETAILS**  
Sixth Election District  
Tax Map No. 36  
REVISION: FEB, 1976

Howard County, Maryland  
Parcel No.  
Liber 463 Folio 196