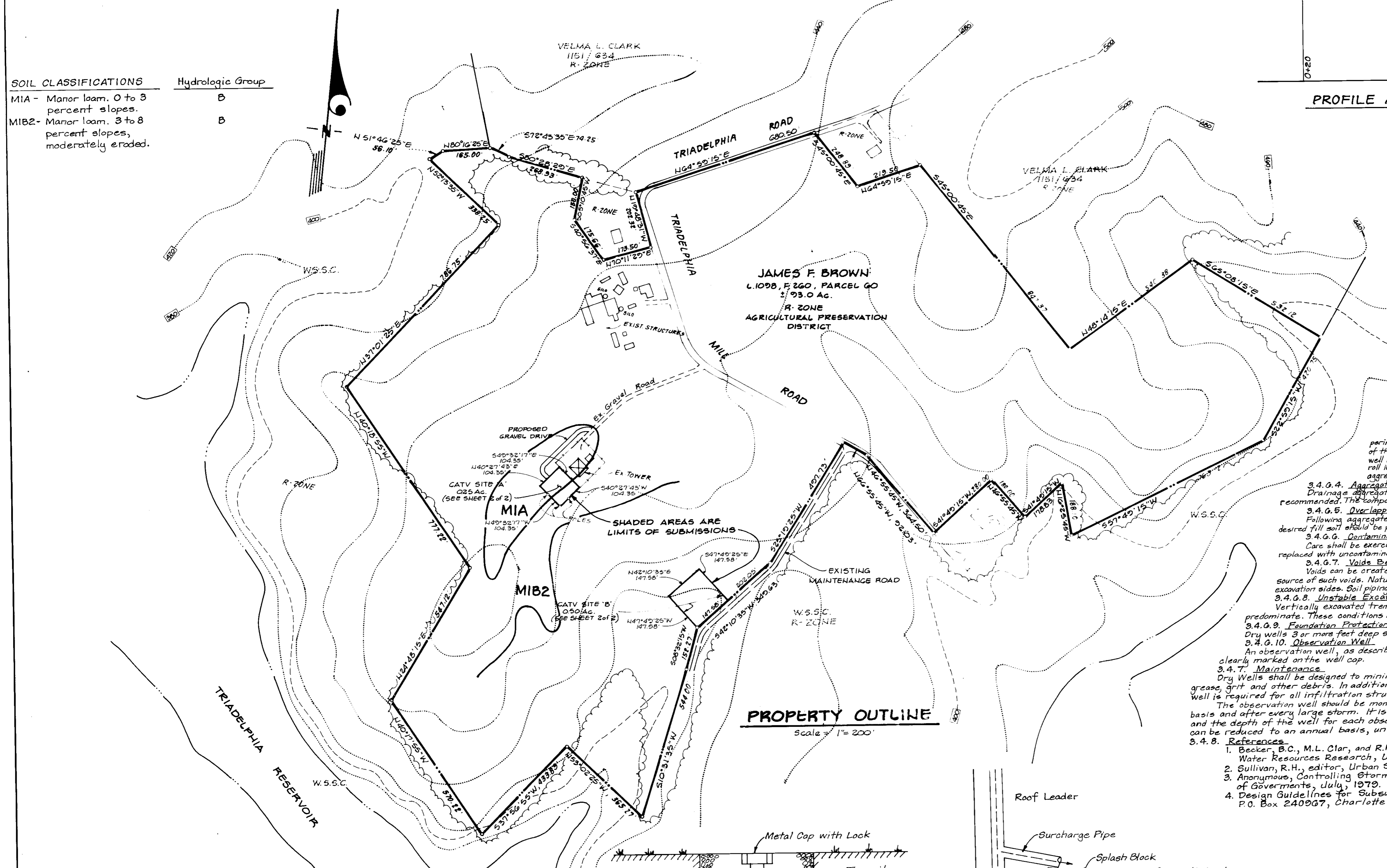
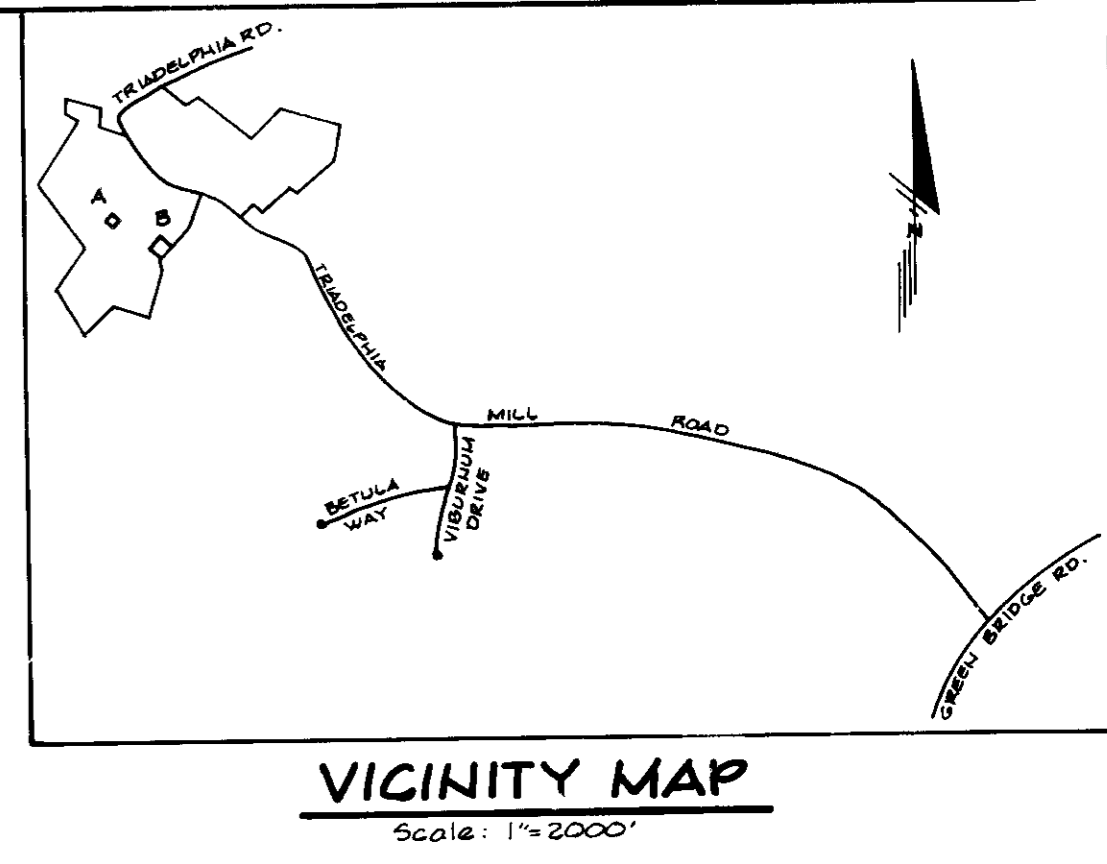
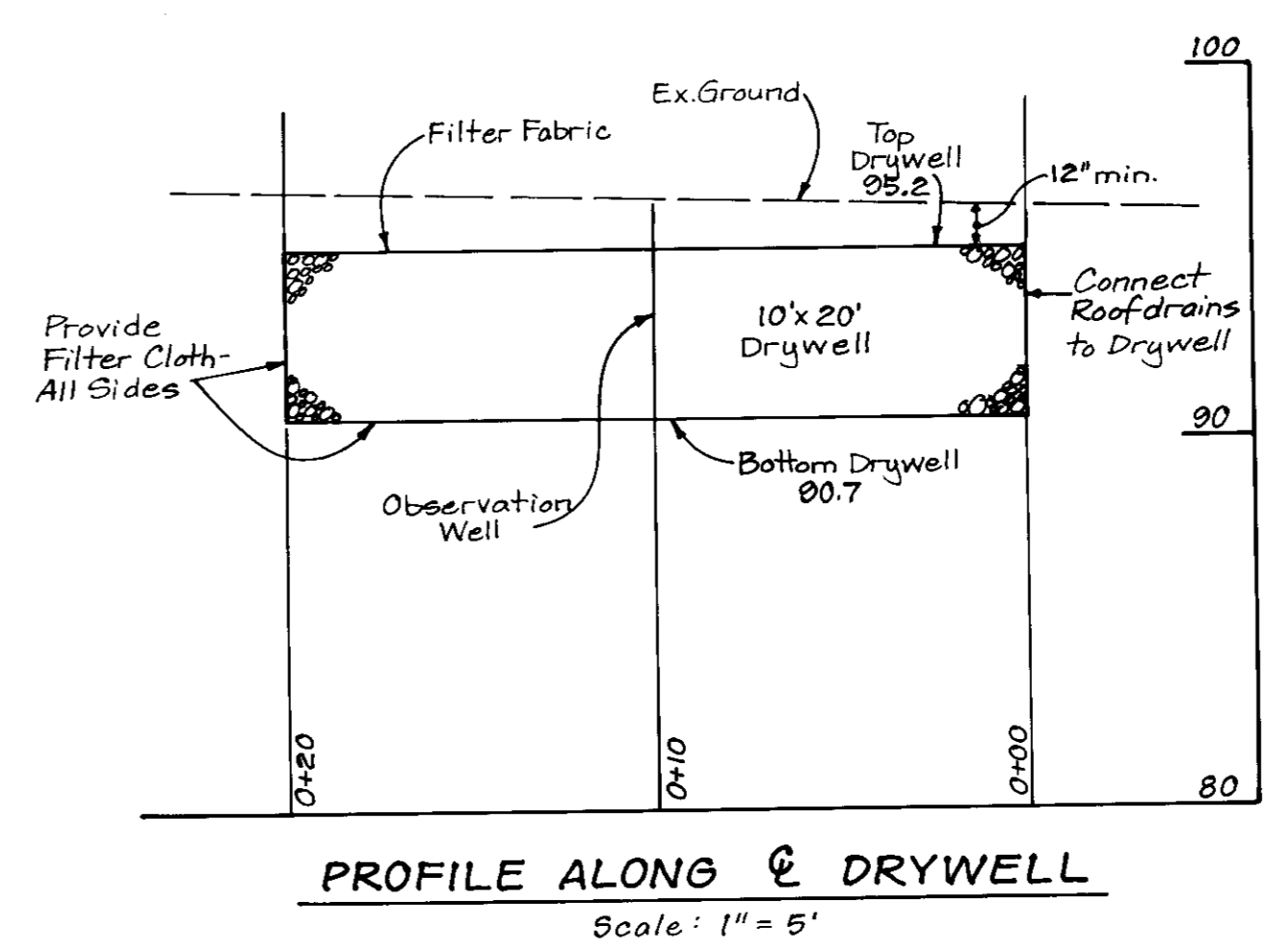


REVISION TABLE	
DESCRIPTION	DATE
Added Drywell Info. and Details	11-20-89

SOIL CLASSIFICATIONS	Hydrologic Group
MIA - Manor loam, 0 to 3 percent slopes.	B
MIB2 - Manor loam, 3 to 8 percent slopes, moderately eroded.	B

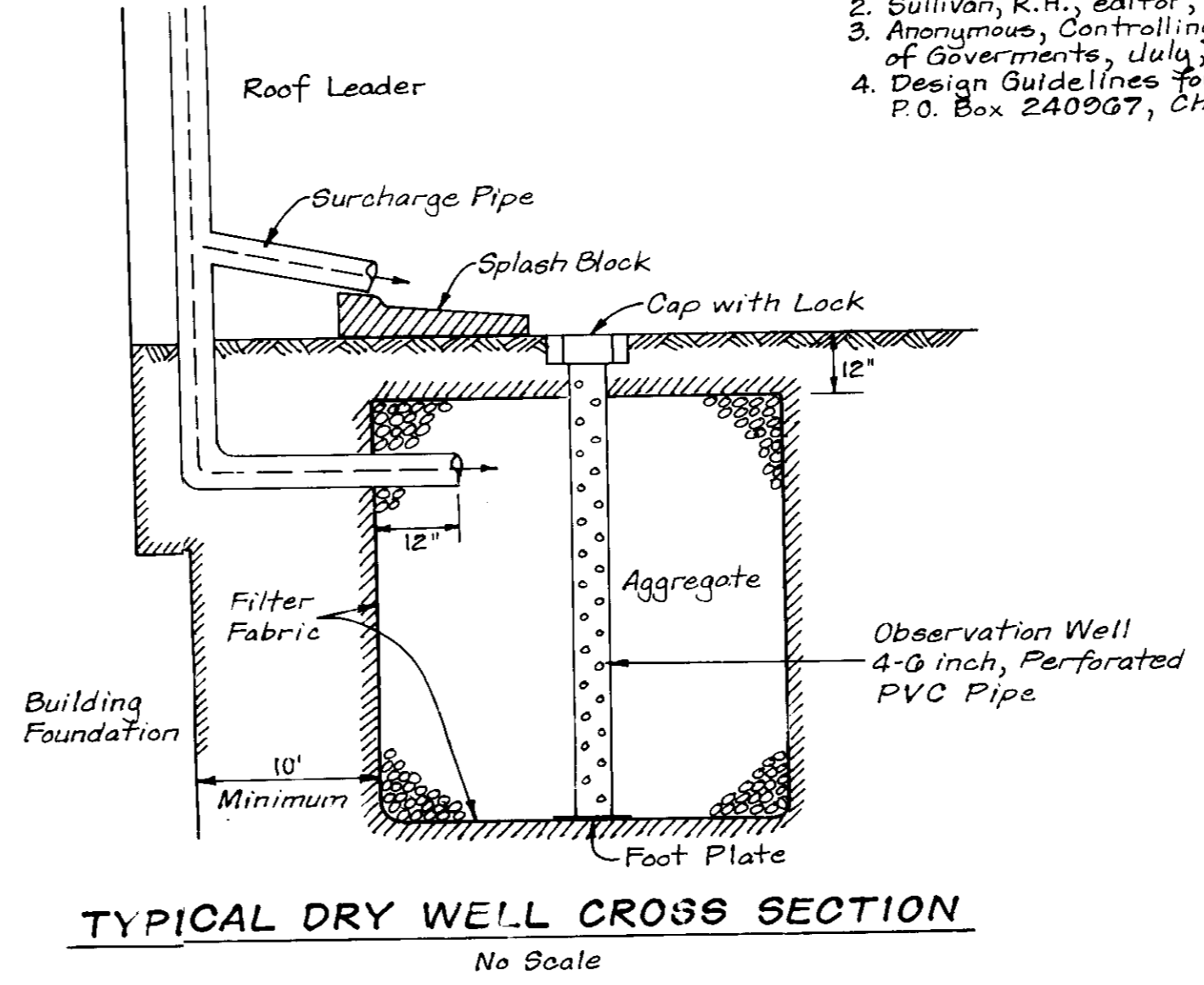
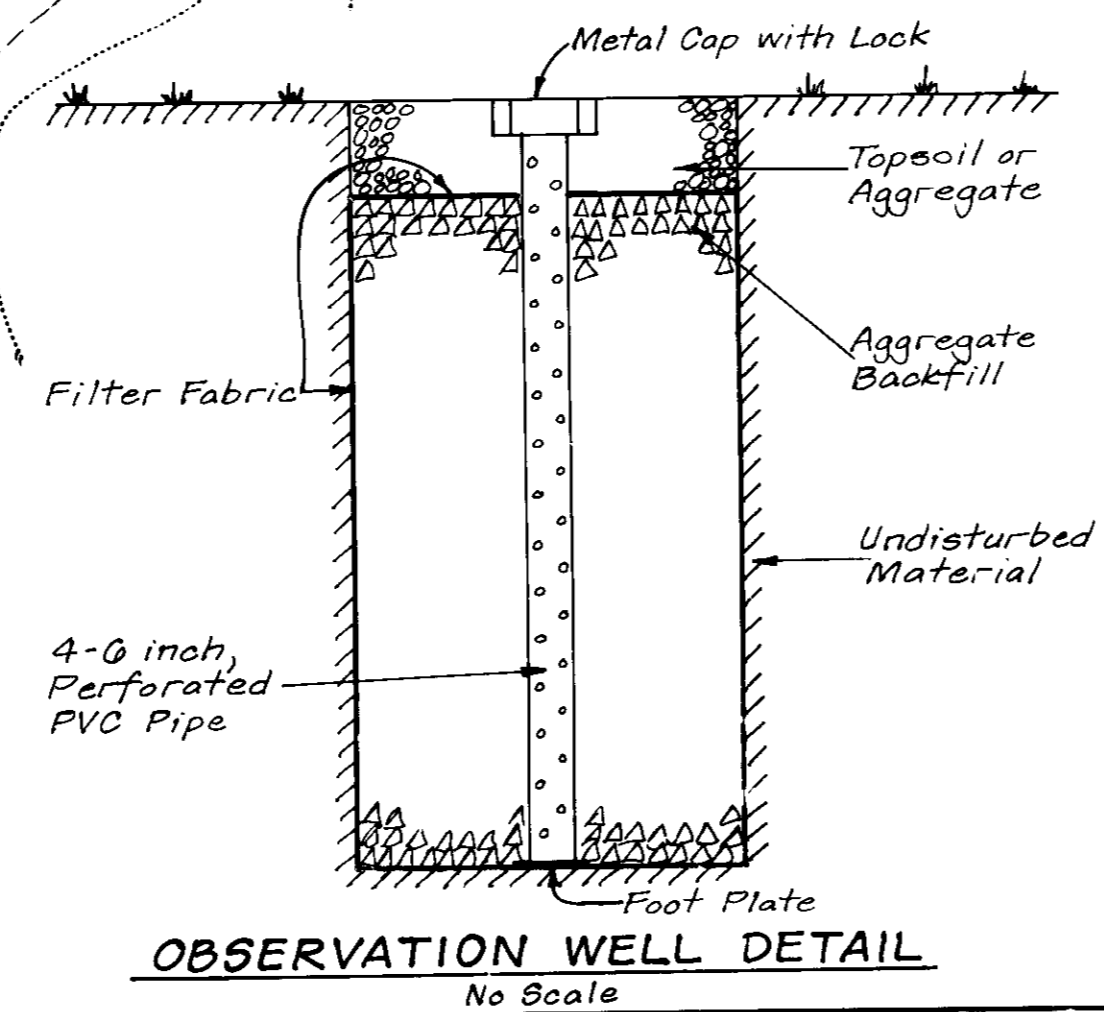


GENERAL NOTES

- Sites A & B are being leased from the owner by Mid-Atlantic CATV Ltd. Partnership for the construction and operation of facilities to provide cable television services to western Howard County.
- The proposed facilities are in accordance with a special exception under Section 126, F. 37, granted by BA case No. 88-35 E.
- No water or sewer facilities are required nor provided.
- No wetlands are being impacted by the proposed improvements.
- Topography was compiled from actual field surveys. Horizontal control is in Howard County datum. Vertical control is assumed due to impractical distance from control.

DRY WELL CONSTRUCTION SPECIFICATIONS

- 3.4.0.1. **Timing**
A dry well shall not be constructed or placed in service until all of the contributing drainage area has been stabilized and approved by the responsible inspector.
- 3.4.0.2. **Dry Well Preparation**
Excavate the dry well to the design dimensions. Excavated materials shall be placed away from the excavated sides to enhance wall stability. Large tree roots shall be trimmed flush with the sides in order to prevent fabric puncturing or tearing during subsequent installation procedures. The side walls of the dry well shall be roughened where sheared and sealed by heavy equipment.
- 3.4.0.3. **Fabric Laydown**
The filter fabric roll shall be cut to the proper width prior to installation. The cut width must include sufficient material to conform to well perimeter. Irregularities and for a 6-inch minimum top overlap. Place the fabric roll over the well and unroll a sufficient length to allow placement of the fabric down into the well. Stones or other anchoring objects should be placed on the edge of the well to keep the lined well open during windy periods. When overlaps are required between rolls, the upstream roll shall lap a minimum of 2 feet over the downstream roll in order to provide a shingled effect. The overlap ensures fabric continuity or the fabric conforms to the excavation surface during aggregate placement and compaction.
- 3.4.0.4. **Aggregate Placement and Compaction**
Drainage aggregate shall be placed in lifts and compacted using plate compactors. As a rule of thumb, a maximum loose lift thickness of 12 inches is recommended. The compaction process ensures fabric conformity to the excavation sides, thereby reducing the potential for soil piping and fabric clogging.
- 3.4.0.5. **Overlapping and Covering**
Following aggregate placement, the fabric previously weighted by stones should be folded over the aggregate to form a 6" minimum longitudinal lap. The desired fill soil should be placed over the lap at sufficient intervals to maintain the lap during subsequent backfilling.
- 3.4.0.6. **Contamination**
Care shall be exercised to prevent natural or fill soils from intermixing with the drainage aggregate. All contaminated aggregate shall be removed and replaced with uncontaminated aggregate.
- 3.4.0.7. **Voids Behind Fabric**
Voids can be created between the fabric and excavation sides and should be avoided. Removing boulders or other obstacles from the trench walls is one source of such voids. Natural soils should be placed in these voids at the most convenient time during construction to ensure fabric conformity to the excavation sides. Soil piping, fabric clogging, and possible surface subsidence will be avoided by this remedial process.
- 3.4.0.8. **Unstable Excavation Sides**
Vertically excavated trench walls may be difficult to maintain in areas where the soil moisture is high or where soft cohesive or cohesionless soils predominate. These conditions may require laying back of the side slopes to maintain stability; trapezoidal rather than rectangular cross sections may result.
- 3.4.0.9. **Foundation Protection**
Dry wells 3 or more feet deep shall be located at least 10 feet down gradient from foundation walls.
- 3.4.0.10. **Observation Well**
An observation well, as described in subsection 3.4.4.8. and Figure 3-5, will be provided. The depth of the well, at the time of installation, will be clearly marked on the well cap.
- 3.4.7. **Maintenance**
Dry Wells shall be designed to minimize maintenance. However, it is recognized that all infiltration facilities are subject to clogging by sediment, oil, grease, grit and other debris. In addition, the performance and longevity of these structures is not well documented. Consequently, a monitoring observation well is required for all infiltration structures.
The observation well should be monitored periodically. For the first year after completion of construction, the well should be monitored on a quarterly basis and after every large storm. It is recommended that a log book be maintained indicating the rate at which the facility dewater after large storms and the depth of the well for each observation. Once the performance characteristics of the structures have been verified, the monitoring schedule can be reduced to an annual basis, unless the performance data indicate that a more frequent schedule is required.



ADDRESS CHART	
LOT No.	STREET ADDRESS
R. 60	15105 Triadelphia Mill Road

SUBDIVISION NAME	TRACT/AREA	SECT./AREA	PARCEL
JAMES F. BROWN PROP. MID-ATLANTIC CABLE	N/A	N/A	60
PLAT No. L. 100B, F. 260	2	27	5TH
WATER CODE	N/A	SEWER CODE	N/A

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
James M. Boyd 9/1/89
DATE

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING
Mark J. ... 9/11/89
DATE

APPROVED: STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James ... 8/21/89
DATE

8-3-89
LKS

CLARK • FINEROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 • BALTO. • (301) 411-8911 • WASH.

DESIGNED: WHT
DRAWN: PER
CHECKED: WHT
DATE: 6-10-89

SITE DEVELOPMENT PLAN FOR CABLE TV FACILITIES ON JAMES F. BROWN PROPERTY
LIBER 100B, FOLIO 260, TAX MAP 27, PARCEL 60
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 200'
DRAWING: 1 of 2
JOB NO: 88-108
FILE NO: 88-108-X

OWNER: JAMES F. BROWN
15105 TRIADELPHIA MILL RD
GLENELG, MD 21036

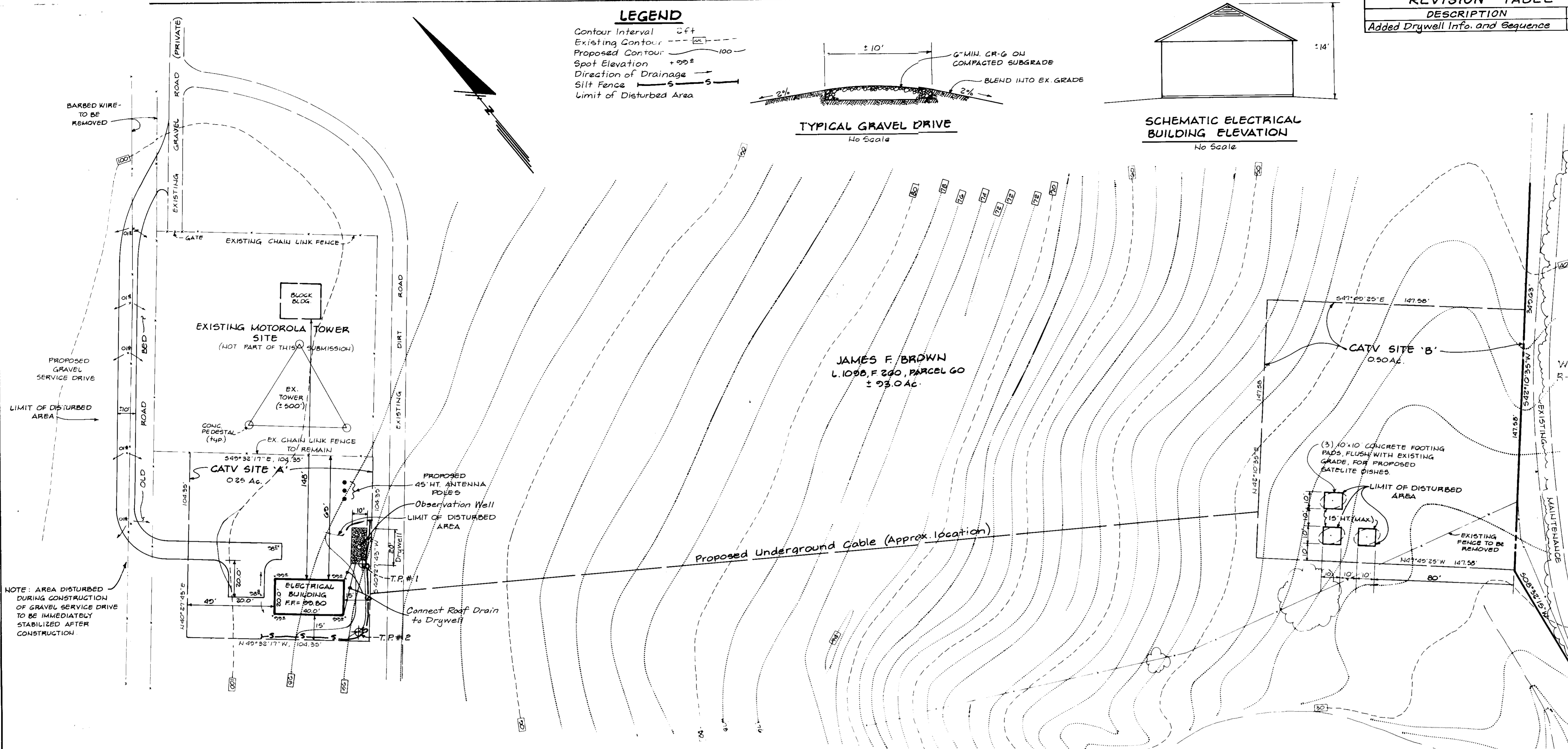
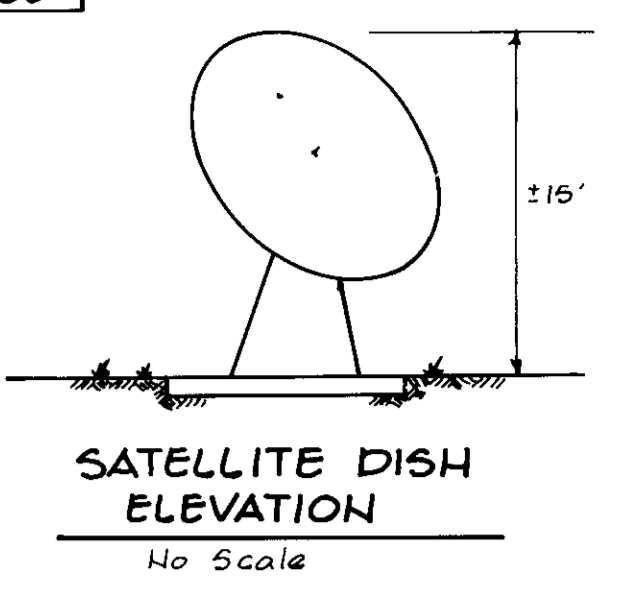
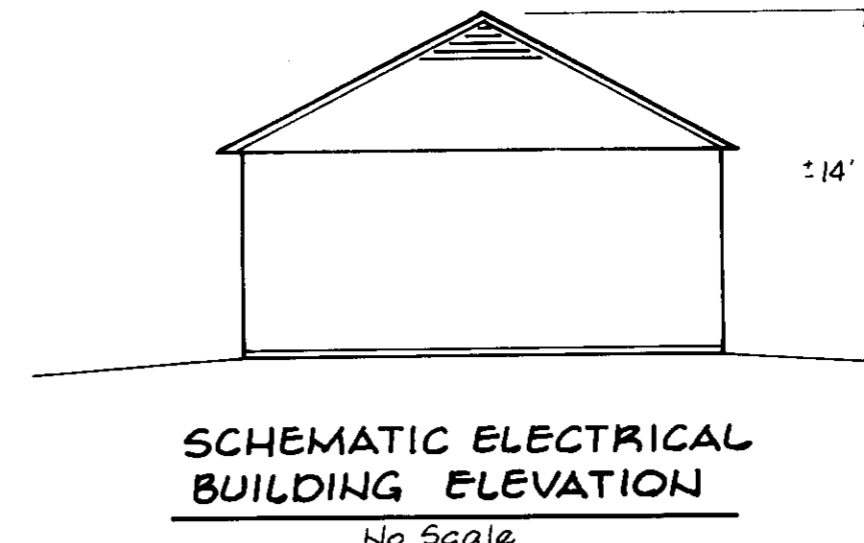
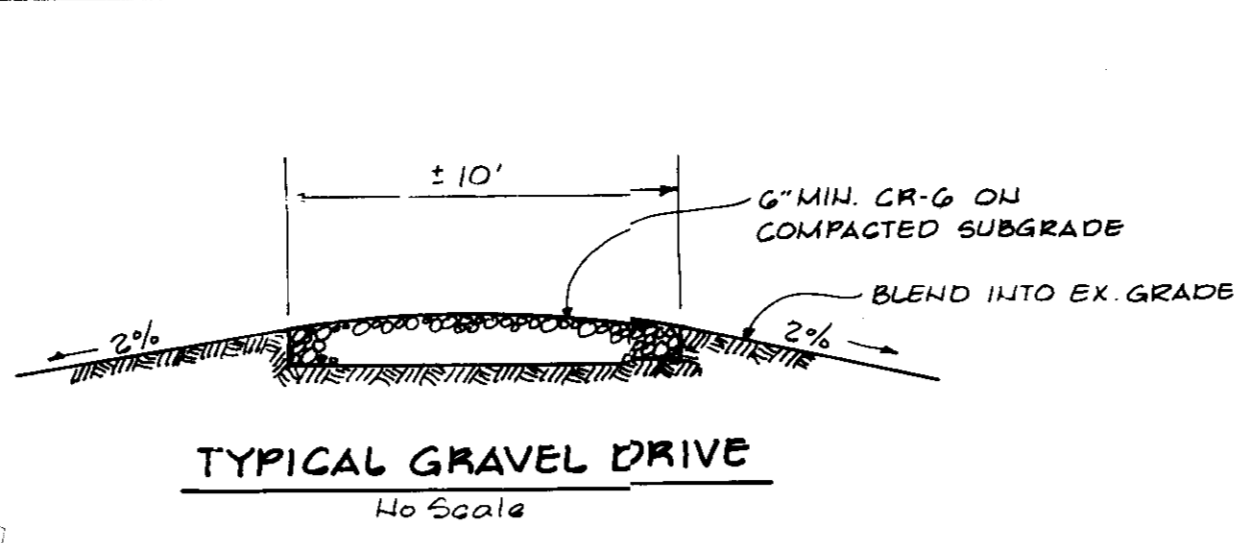
FOR: MID-ATLANTIC CABLE OF WESTERN HOWARD COUNTY
FULTON STATION, PO BOX 584
FULTON, MARYLAND 20750

SDP- 89-277

REVISION TABLE	
DESCRIPTION	DATE
Added Drywell Info. and Sequence	11-29-89

LEGEND

- Contour Interval 2ft
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Silt Fence
- Limit of Disturbed Area



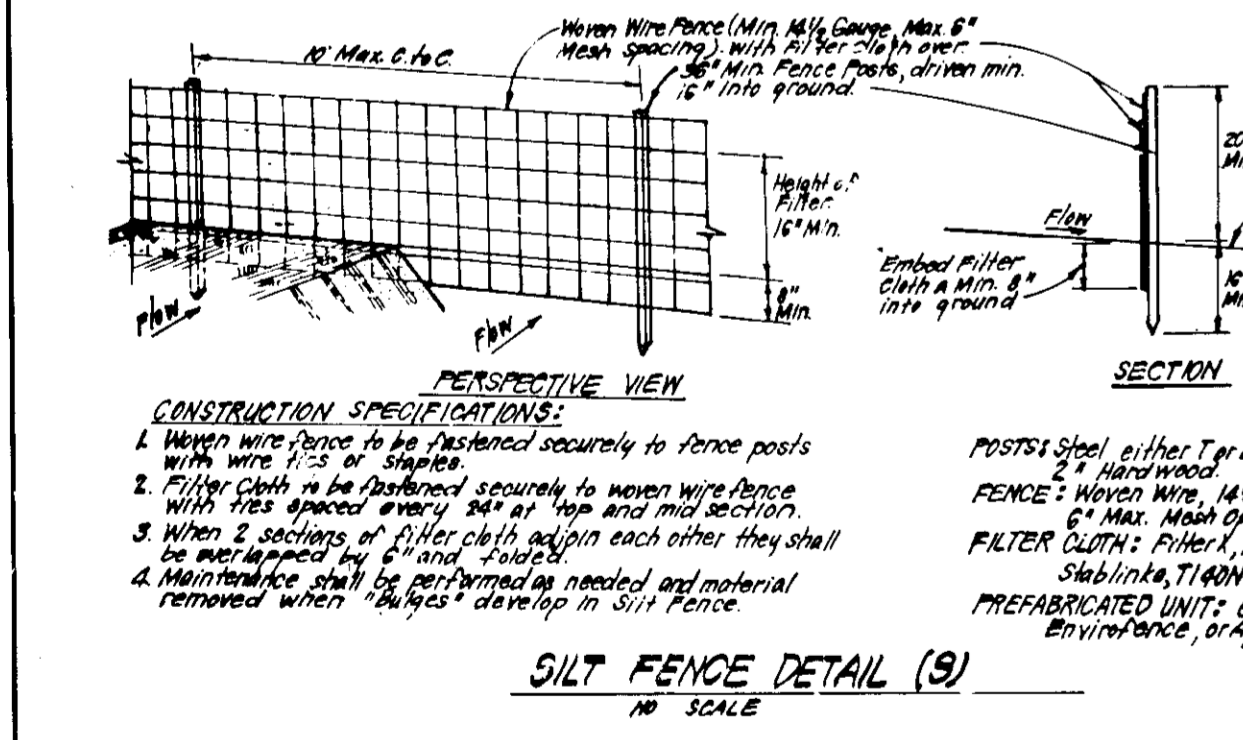
CONSTRUCTION SEQUENCE

- Obtain Grading Permit 7 days
- Install Silt Fence 1 day
- Construct Gravel Drives and immediately stabilized shoulders 14 days
- Construct Building and Satellite Dishes 60 days
- Stabilize all disturbed areas onsite in accordance with Standards & Specifications 14 days
- Construct Drywell and Connect Roof Drains and Stabilize 1 day
- Upon approval of the Sediment Control Inspector, remove sediment & erosion control measures and stabilize 14 days

Reviewed for HOWARD Name: James M. Hahn 8-18-89 Signature: JMH Date: 8-18-89 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. Signature: J. Schweb 8-18-89 Date: 8-18-89

NOTE: AREA DISTURBED DURING CONSTRUCTION OF GRAVEL SERVICE DRIVE TO BE IMMEDIATELY STABILIZED AFTER CONSTRUCTION.



CONSTRUCTION SPECIFICATIONS

- When wire fence is to be installed securely to fence posts with wire 1/2" to 3/4" diameter.
- When stakes are to be installed securely to wooden wire fence with stakes spaced every 30" at top and mid section.
- When stakes are to be installed on wire fence, they shall be installed every 30" at top and mid section.
- Maintenance shall be performed as needed and material removed when "blowups" develop in Silt Fence.

SILT FENCE DETAIL (S)
NO SCALE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Date: 9/1/89

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING
Date: 9/1/89

APPROVED STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Date: 8-29-89

SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redistribution, treatment or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (Sec. 30) and mulching (Sec. 32). Temporary stabilization with mulch alone can only be done when recommended seeding rates do not allow for proper germination and establishment of grasses.
- 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.
- Site Analysis:
Total Area of Site: 0.75 Acres
Area Disturbed: 0.25 Acres
Area to be seeded or paved: 0.25 Acres
Area to be vegetatively stabilized: 0.05 Acres
Total Cut: 175 Cu. yds
Total Fill: 110 Cu. yds
Off-site waste/borrow area location: N/A
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DWM sediment control inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of this inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- If houses are to be constructed on an "As-Built" basis, a random, single-rod Sediment Control as shown below shall be installed. N/A
- All pipes to be installed at the end of each day (see detail below). N/A
- The final location of sediment basins shall be approved by the HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

TEMPORARY SEEDING NOTES

- Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.
- Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:
1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil.
- Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 80 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- Mulching - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.
- Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.
- Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)
- Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushes per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.
- Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.
- Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods of seeding.

GENERAL NOTES

- Sites A & B are being leased from the owner of the property by Mid-Atlantic CATV Ltd. Partnership for the construction and operation of facilities to provide cable television services to western Howard County.
- The proposed facilities are in accordance with a special exception under Section 12G, F.37, granted by BA Case No. 88-35E.
- No water or sewer facilities are required nor provided.
- No wetlands are being impacted by the proposed improvements.
- Topography was compiled from actual field surveys. Horizontal control is in Howard County datum. Vertical control is assumed due to impractical distance from control.

SITE ANALYSIS

- Area of Parcel = 1.93 Ac.
- Area of Limit of Submission = 0.75 Ac.
Site 'A' = 0.25 Ac.
Site 'B' = 0.50 Ac.
- Zoning:
Parcel GO = R-(rural) Agricultural Preservation District
Sites A & B = Subject to release from Agricultural Preservation Dist.
- The limits of submission, sites A & B, are subject to Special Exception Case No. BA-88-35E, granting the construction of a public utility on R-(rural) Zone.
- Floor space of "Head End" Electrical Building = 800 sq ft.
- No employees to stay on premises except for occasional maintenance.
- Parking spaces required = None
Parking spaces provided = 2
- Open Space = Not Applicable
- Building Coverage: Site 'A' = 800 sq ft (7.3%)
Site 'B' = None

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control represents a practical and effective plan for erosion and sediment control and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Signature: Jeffrey J. Schwab 6/16/89 Date: 6/16/89

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MANSFIELD WAY • COLUMBIA, MD 21045 • (301) 881-7500 • BALTO • (301) 631-6100 • WASH

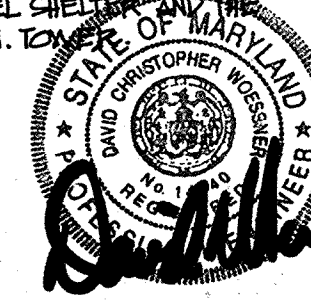
DESIGNED WHT	SITE DEVELOPMENT AND SEDIMENT & EROSION CONTROL PLAN FOR CABLE TV FACILITIES ON JAMES F. BROWN PROPERTY LIBER 109B, FOLIO 260, TAX MAP 27, PARCEL GO 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN PER		DRAWING 2 of 2
CHECKED WHT		JOB NO 88-108
DATE 6-16-89		FOR MID-ATLANTIC CABLE OF WESTERN HOWARD COUNTY FULTON STATION, P.O. BOX 554 11845 ROUTE 216 FULTON, MARYLAND 20750

OWNER: JAMES F. BROWN 1515 TRIADLEPHIA MILL RD GLENELG, MD 21036

SDP-89-277

REVISION TABLE	DESCRIPTION	DATE
1	Added Drywell Info. and Details	11-29-89
2	ADD NEXTEL SHELTER ANTENNAS TO EX. COMM. TOWER	9-14-98
3	ADD CIRCULAR SHELTER ANTENNAS TO EX. COMM. TOWER, WIDEN ACCESS ROAD	7-8-04

NOTE: AMERICAN LAND DEVELOPMENT & ENGINEERING INC. IS RESPONSIBLE FOR REVISION A SHOWN ON THESE PLANS. REVISION A ADDS THE 10'x20' NEXTEL SHELTER ANTENNA ON THE EXISTING COMM. TOWER.

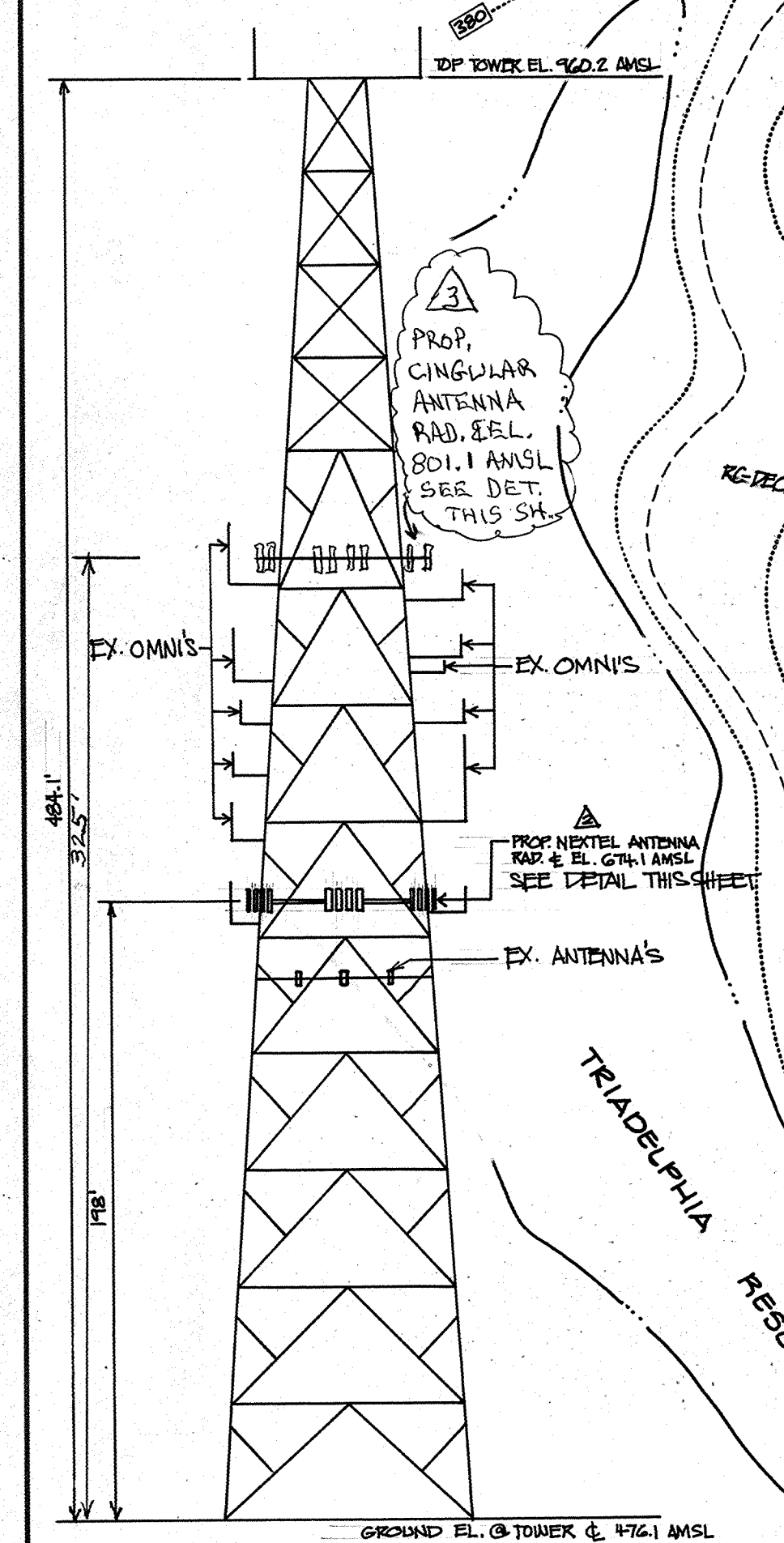
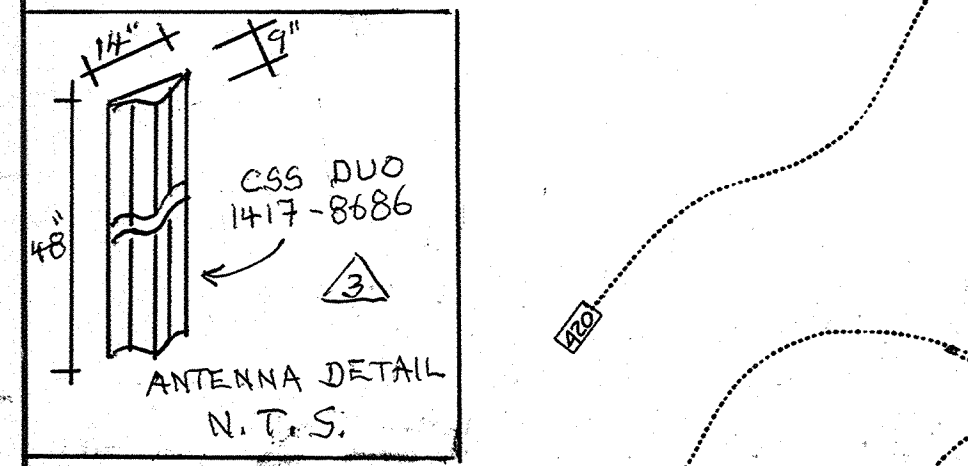


SOIL CLASSIFICATIONS

MIA - Manor loam, 0 to 3 percent slopes.

MIB2 - Manor loam, 3 to 8 percent slopes, moderately eroded.

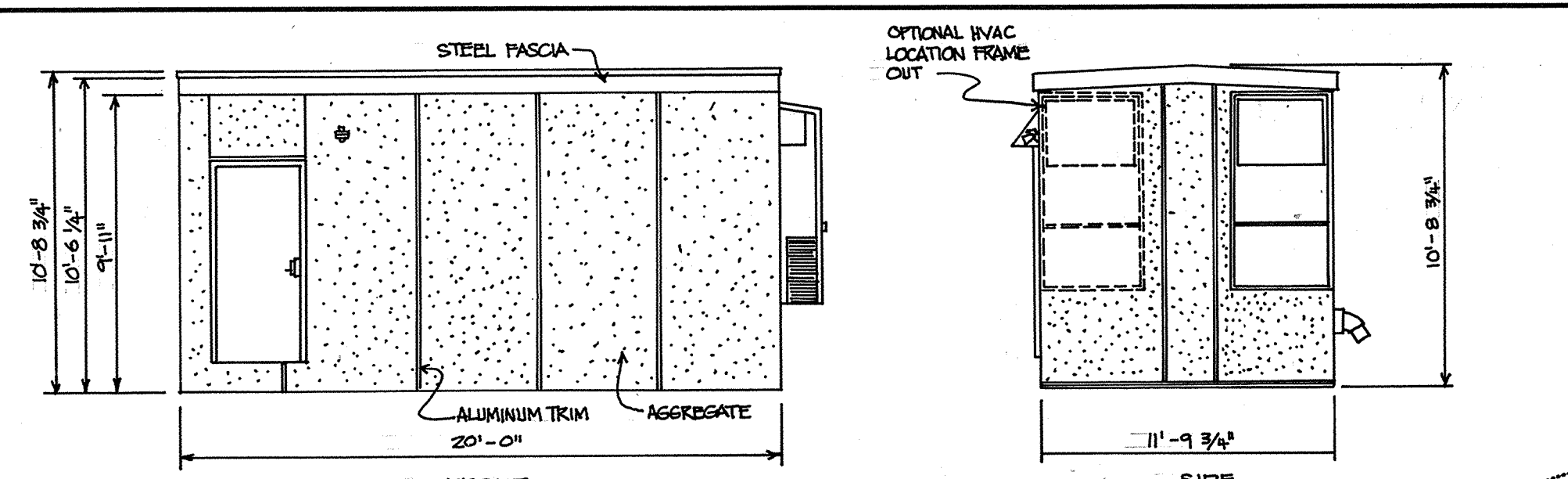
Hydrologic Group: B



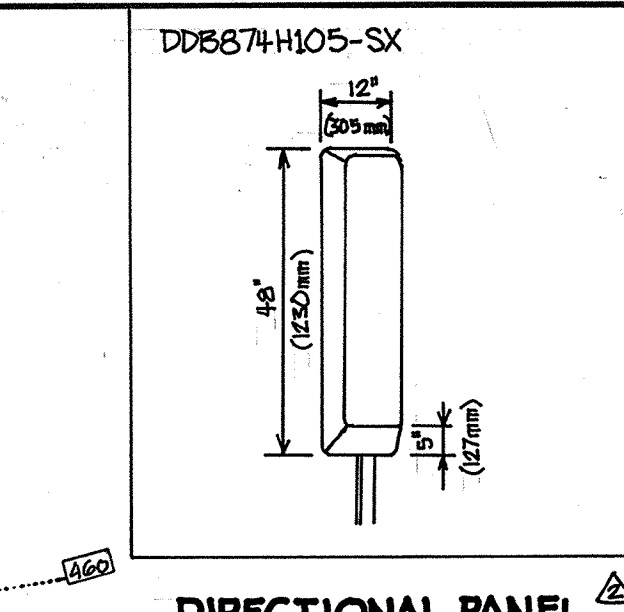
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 9/1/89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DATE: 9/11/89

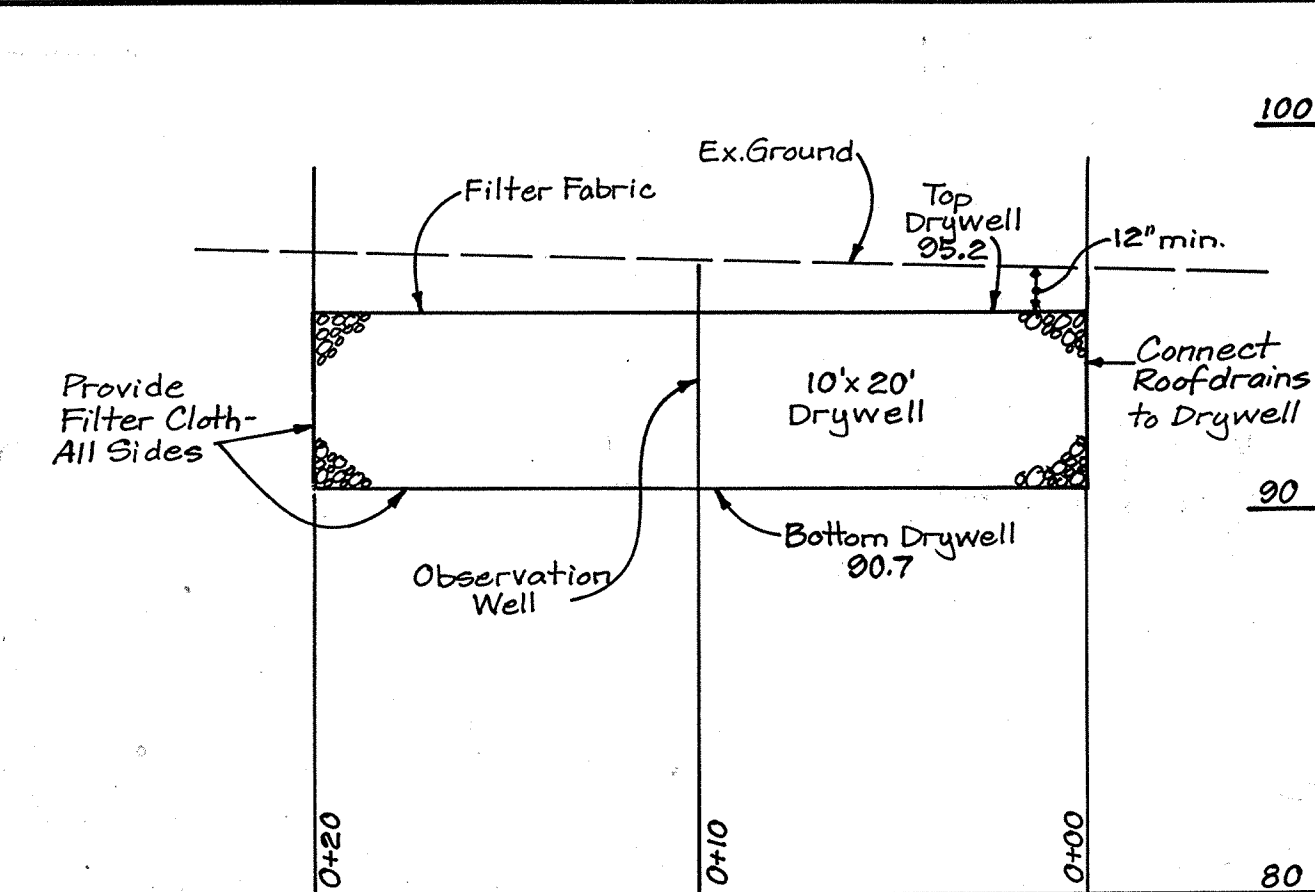
APPROVED: STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 8-29-89



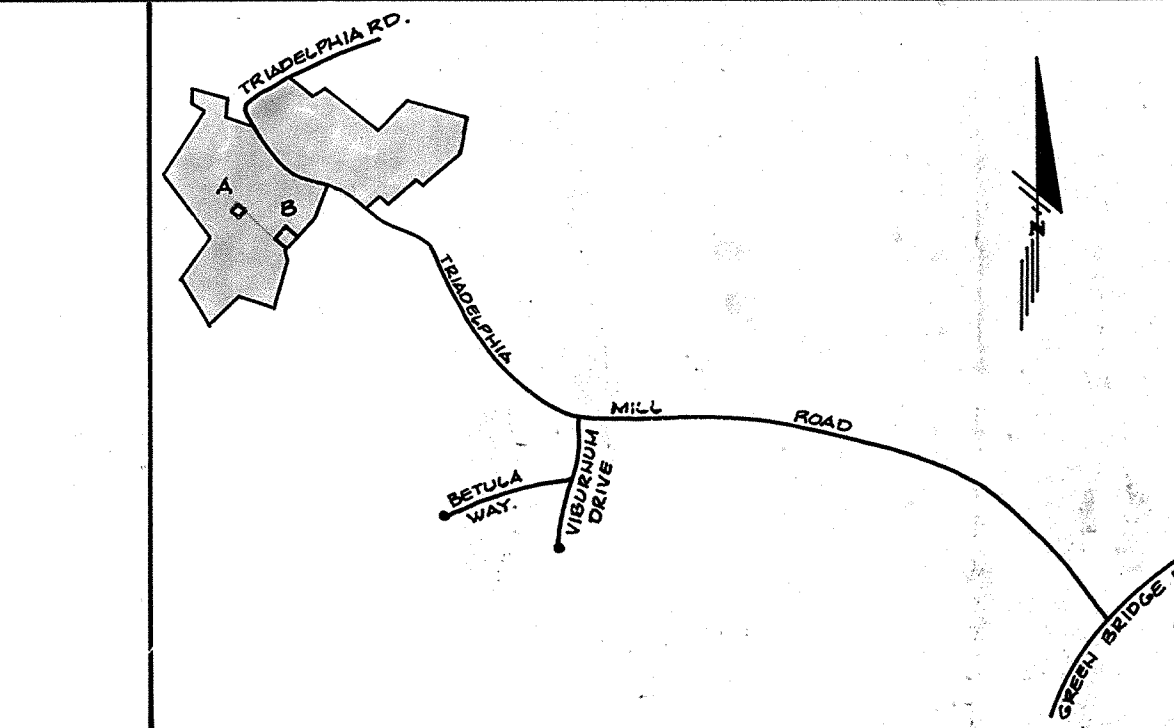
NEXTEL - EQUIP. SHELTER ELEVATION
 NOT TO SCALE
 CIRCULAR SHELTER SIMILAR, NOMINAL DIMENSION, 10'x20'



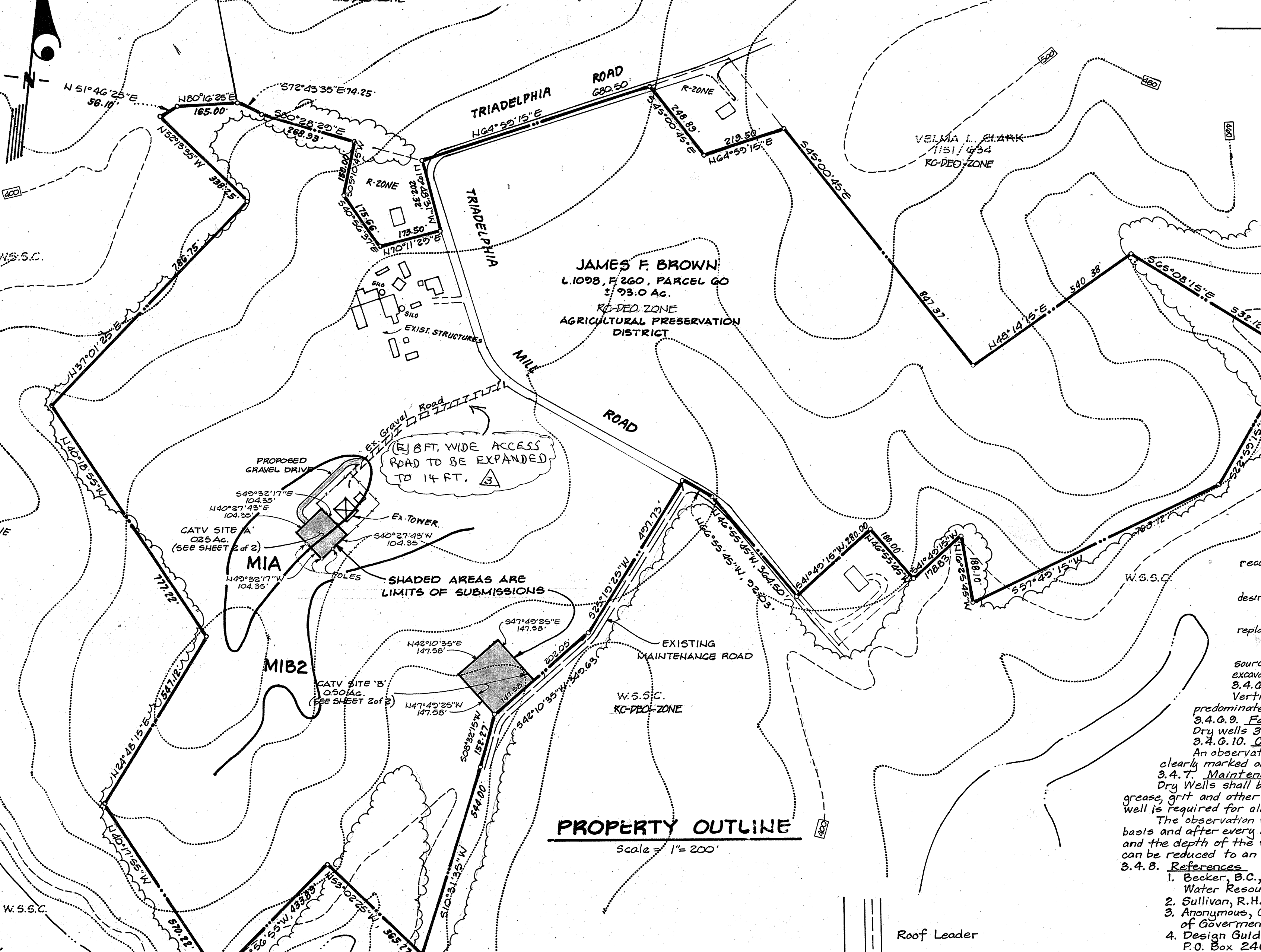
DIRECTIONAL PANEL ANTENNA DETAIL
 NOT TO SCALE



PROFILE ALONG DRYWELL
 Scale: 1" = 5'



VICINITY MAP
 Scale: 1" = 2000'



PROPERTY OUTLINE
 Scale: 1" = 200'

THE FOREST CONSERVATION OBLIGATION (AFFORESTATION) FOR THIS PROJECT IS 0.01 ACRES (460 SQ. FT.) FOR A NET INCREASE OF 3,068 SQ. FT. OF DISTURBED AREA ASSOCIATED WITH THE PROPOSED DRIVEWAY WIDENING AND HAS BEEN SATISFIED WITH THE PAYMENT OF A FEE-IN-LIEU AMOUNT OF \$230.00

GENERAL NOTES

- Sites A & B are being leased from the owner by Mid-Atlantic CATV Ltd. Partnership for the construction and operation of facilities to provide cable television services to western Howard County.
- The proposed facilities are in accordance with a special exception under Section 12G, F. 37, granted by BA case No. 88-35 E.
- No water or sewer facilities are required nor provided.
- No wetlands are being impacted by the proposed improvements.
- Topography was compiled from actual field surveys. Horizontal control is in Howard County datum. Vertical control is assumed due to impractical distances from control.
- The construction of the proposed facilities is permitted in RC-PED Zones in accordance with section 12B.12.4 of the zoning regulations.
- Property is Zoned RC-PED per October 18, 1973 Comprehensive Zoning Plan.

DRY WELL CONSTRUCTION SPECIFICATIONS

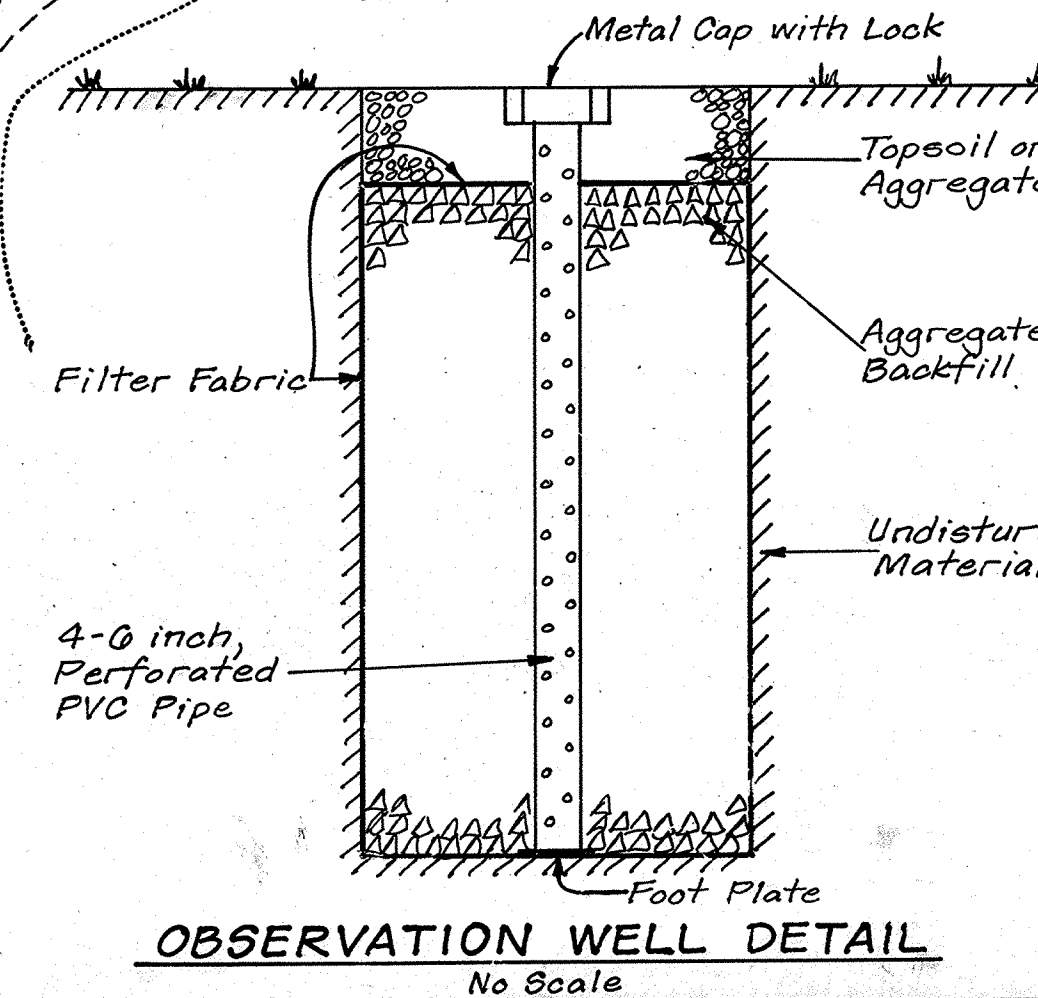
- 3.4.G.1. Timing**
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The observation well should be monitored periodically. For the first year after completion of construction, the well should be monitored on a quarterly basis and after every large storm. It is recommended that a log book be maintained indicating the rate at which the facility dewater after large storms and the depth of the well for each observation. Once the performance characteristics of the structure have been verified, the monitoring schedule can be reduced to an annual basis, unless the performance data indicate that a more frequent schedule is required.
- 3.4.8. References**
 - Becker, B.C., M.L. Clar, and R.R. Kautzman, Approaches to Stormwater Management, prepared by Hittman Associates, Inc. for the Office of Water Resources Research, UBDI, November, 1978.
 - Sullivan, R.H., editor, Urban Stormwater Management, Special Report No. 49, American Public Works Association, Chicago, Illinois, 1981.
 - Anonymous, Controlling Stormwater Runoff in Developing Areas: Selected Best Management Practices, Metropolitan Washington Council of Governments, July, 1979.
 - Design Guidelines for Subsurface Drainage Structures, MIRAFI, Inc., P.O. Box 240067, Charlotte, NC 28224.

SITE AREA DISTURBANCE CALCULATION

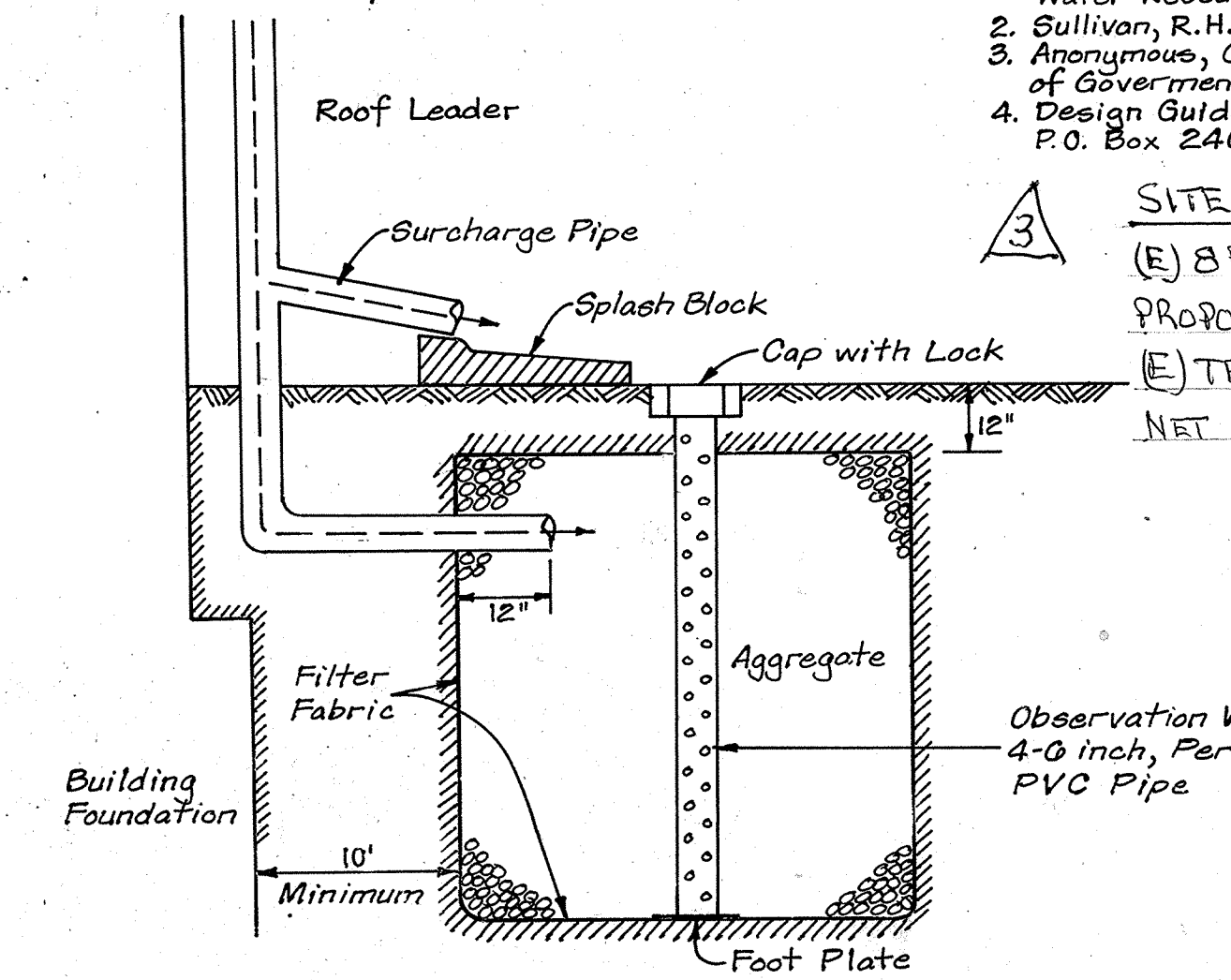
(E) 8 FT. WIDE ACCESS ROAD	= 4,091 SQ. FT.
PROPOSED 14 FT. WIDE ACCESS ROAD	= 7,159 SQ. FT.
(E) TELCOM. COMPOUND	= NO CHANGE
NET INCREASE IN DISTURBED AREA	= 3,068 SQ. FT.

ADDRESS CHART	
LOT No.	STREET ADDRESS
P. 60	15105 Triadelphia Mill Road

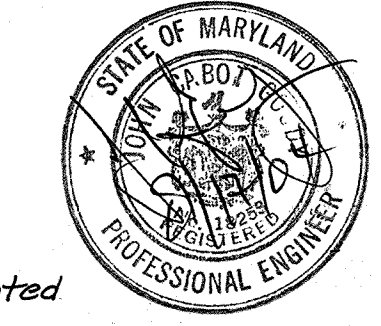
SUBDIVISION NAME: JAMES F. BROWN PROP. MID-ATLANTIC CABLE	SECT./AREA: N/A	PARCEL: 60
PLAT No.: L. 109B, F. 260	BLOCK: 9	ZONE: R
TAX / ZONE #: 27	PUSC. DIST.: 5TH	CENSUS TR.: 6051
WATER CODE: N/A	SEWER CODE: N/A	



OBSERVATION WELL DETAIL
 No Scale



TYPICAL DRY WELL CROSS SECTION
 No Scale



CLARK • FINEROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 • BALTO. • (301) 621-8100 - WASH.

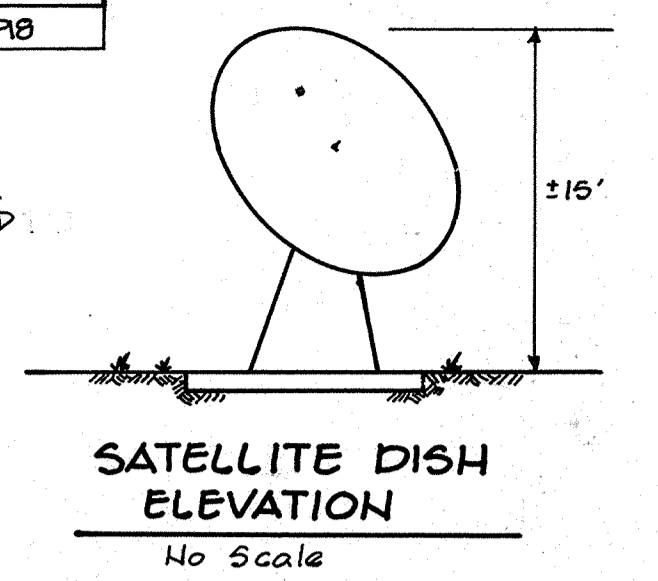
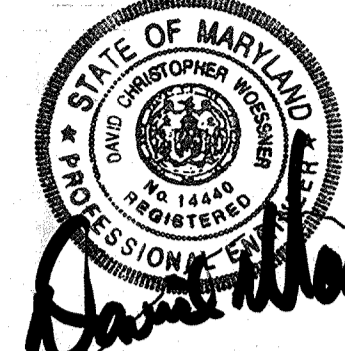
DESIGNED: WHT	SITE DEVELOPMENT PLAN FOR CABLE TV FACILITIES ON JAMES F. BROWN PROPERTY LIBER 109B, FOLIO 260, TAX MAP 27, PARCEL 60 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE: 1" = 200'
DRAWN: PER		DRAWING: 1 of 2
CHECKED: WHT		JOB NO.: 88-108
DATE: 6-16-89		FILE NO.: 88-108-X

OWNER: JAMES F. BROWN
 15105 TRIADAPHELIA MILL RD.
 GLENELG, MD 21036

FOR: MID-ATLANTIC CABLE OF WESTERN HOWARD COUNTY
 FULTON STATION, P.O. BOX 584
 11845 ROUTE 216
 FULTON, MARYLAND 20759

REVISION TABLE	
DESCRIPTION	DATE
Added Drywell Info. and Sequence	11-29-89
ADD NEXTEL SHELTER & ANTENNAS TO EX. COMM. TOWER	9-14-98

NOTE: AMERICAN LAND DEVELOPMENT & ENGINEERING INC. IS RESPONSIBLE FOR REVISION Δ SHOWN ON THESE PLANS. REVISION Δ ADDS THE 12'x20' NEXTEL SHELTER AND THE ANTENNA ON THE EXISTING COMM. TOWER.



CONSTRUCTION SEQUENCE

1. Obtain Grading Permit 7 days
2. Install Silt Fence 1 day
3. Construct Gravel Drives and immediately stabilized shoulders 14 days
4. Construct Building and Satellite Dishes 60 days
5. Stabilize all disturbed areas onsite in accordance with Standards & Specifications 14 days
6. Construct Drywell and Connect Roof Drains and Stabilize. 1 day
7. Upon approval of the Sediment Control Inspector, remove sediment & erosion control measures and stabilize. 14 days

Reviewed for... HOWARD... S.C.D. Name and meets Technical Requirements
 Signature: *Howard S.C.D.* Date: 8-18-89
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: *Howard S.C.D.* Date: 8-18-89

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

Signature: *John Schmitt* Date: 6/23/89
 Signature of Developer/Builder

ENGINEER'S CERTIFICATE

I hereby 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: *Jeffrey W. Schwab* Date: 6/16/89
 Signature of Engineer

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINISTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7500 • BALTO. • (301) 621-8100 • WASH.

DESIGNED WHT	SITE DEVELOPMENT AND SEDIMENT & EROSION CONTROL PLAN FOR CABLE TV FACILITIES ON	SCALE 1" = 30'
DRAWN PER	JAMES F. BROWN PROPERTY	DRAWING 2 of 2
CHECKED WHT	LIBER 1098, FOLIO 260, TAX MAP 27, PARCEL 60	JOB NO. 88-108
DATE 6-10-89	5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO. 88-108-X

OWNER: JAMES F. BROWN 15155 TRIADOLPHIA HILL RD GENEVA, MD 21036
 FOR: MID-ATLANTIC CABLE OF WESTERN HOWARD COUNTY FULTON STATION, P.O. BOX 534 11845 ROUTE 216 FULTON, MARYLAND 20789



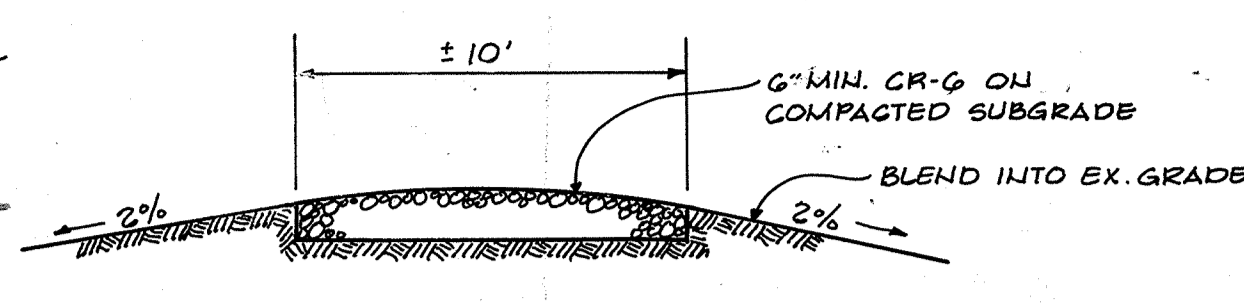
GENERAL NOTES

1. Site 'A' & 'B' are being leased from the owner of the property by Mid-Atlantic CATV Ltd. Partnership for the construction and operation of facilities to provide cable television services to western Howard County.
2. The proposed facilities are in accordance with a special exception under Section 12G, F. 37, granted by BA Case No. 88-35 E.
3. No water or sewer facilities are required nor provided.
4. No wetlands are being impacted by the proposed improvements.
5. Topography was compiled from actual field surveys. Horizontal control is in Howard County datum. Vertical control is assumed due to impractical distance from control.
6. The communication antennas and equipment shelter proposed in the revision, Δ, are permitted uses in RODED Zones in accordance with Section 12B.E.4 of Zoning Regulations.
7. The property is Zoned RODED per October 18, 1993 Comprehensive Zoning Plan.

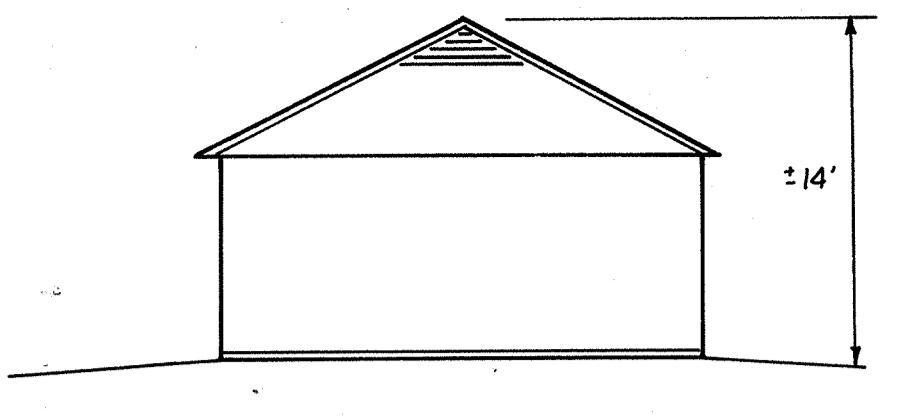
SITE ANALYSIS

1. Area of Parcel = ± 93 Ac.
2. Area of Limit of Submission = 0.75 Ac.
 Site 'A' = 0.25 Ac.
 Site 'B' = 0.50 Ac.
3. Zoning:
 Parcel 60 = R-(rural) Agricultural Preservation District
 Sites 'A' & 'B' = Subject to release from Agricultural Preservation Dist.
4. The limits of submission, sites 'A' & 'B' are subject to Special Exception Case No. BA-88-35E, granting the construction of a public utility on R (rural) Zone.
5. Floor space of "Head End" Electrical Building = 800 sf.
6. No employees to stay on premises except for occasional maintenance.
7. Parking spaces required = None
8. Open Space = Not Applicable
9. Building Coverage: Site 'A' = 800 sf (7.5%)
 Site 'B' = None

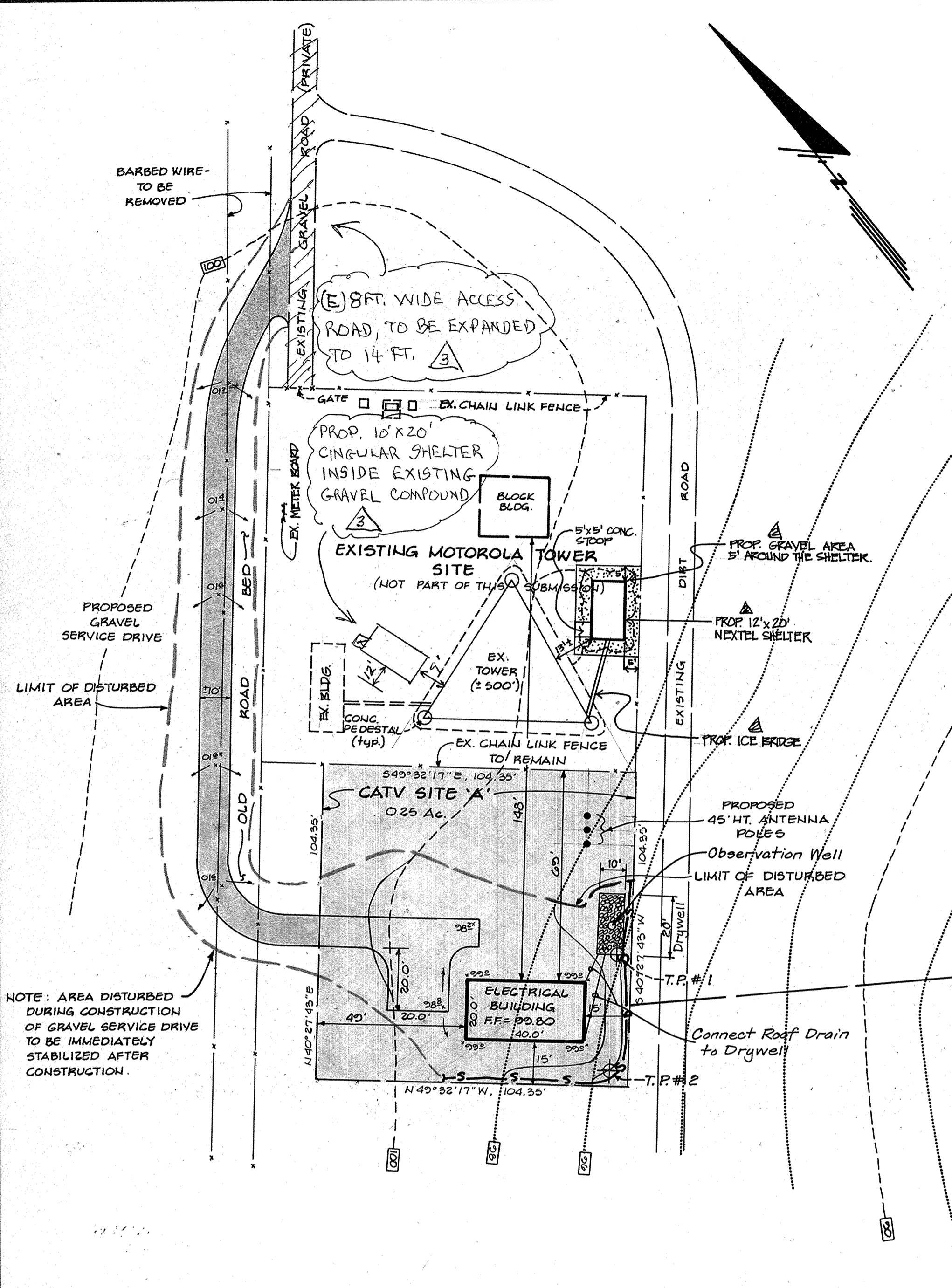
TYPICAL GRAVEL DRIVE
 No Scale



SCHEMATIC ELECTRICAL BUILDING ELEVATION
 No Scale



- LEGEND**
- Contour Interval 2 ft
 - Existing Contour 100
 - Proposed Contour 100
 - Spot Elevation +99.5
 - Direction of Drainage
 - Silt Fence
 - Limit of Disturbed Area



SEDIMENT CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. For permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
6. 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.
7. Site Analysis:
 Total Area of Site 0.75 Acres
 Area Disturbed 0.25 Acres
 Area to be roofed or paved 0.02 Acres
 Area to be vegetatively stabilized 0.02 Acres
 Total Cut ± 75 Cu. Yds
 Total Fill ± 75 Cu. Yds
 Offsite waste/borrow area location N/A
8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment control must be provided, if deemed necessary by the Howard County DPW sediment control Inspector.
10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
11. If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented. N/A
12. All pipes to be blocked at the end of each day (see detail below). N/A
13. The total amount of silt fence ditches/silt fence equals 1106LF

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeding Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

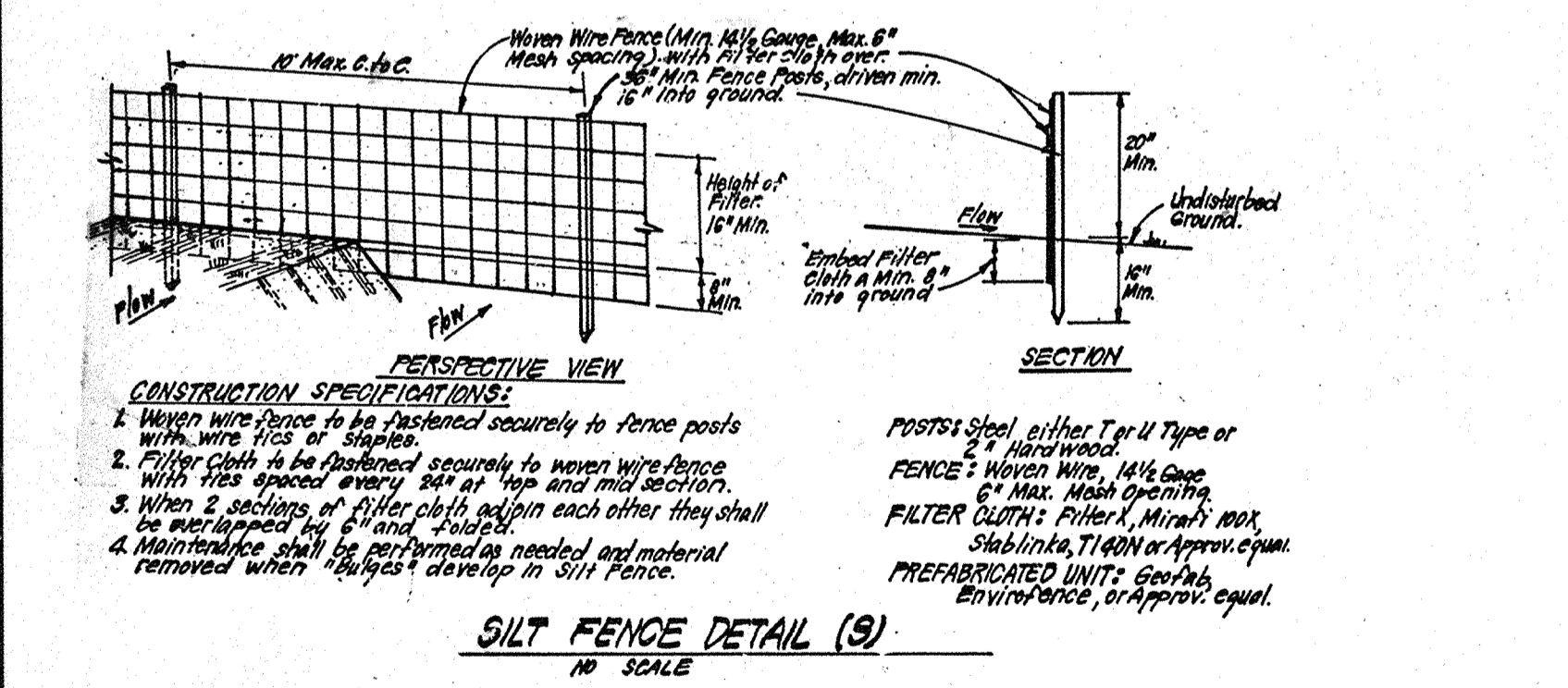
Seeding Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushel per acre of annual rye (3.1 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 Director: *James M. Bond* Date: 9/1/89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 Director: *James M. Bond* Date: 9-11-89

APPROVED: DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT
 Director: *James M. Bond* Date: 9/2/89

APPROVED: STORM DRAINAGE SYSTEMS AND PUBLIC WORKS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: *James M. Bond* Date: 8/29/89

APPROVED: CHIEF BUREAU OF ENGINEERING
 Director: *James M. Bond* Date: 8-29-89

APPROVED: DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT
 DATE: 8-3-89
 LS