

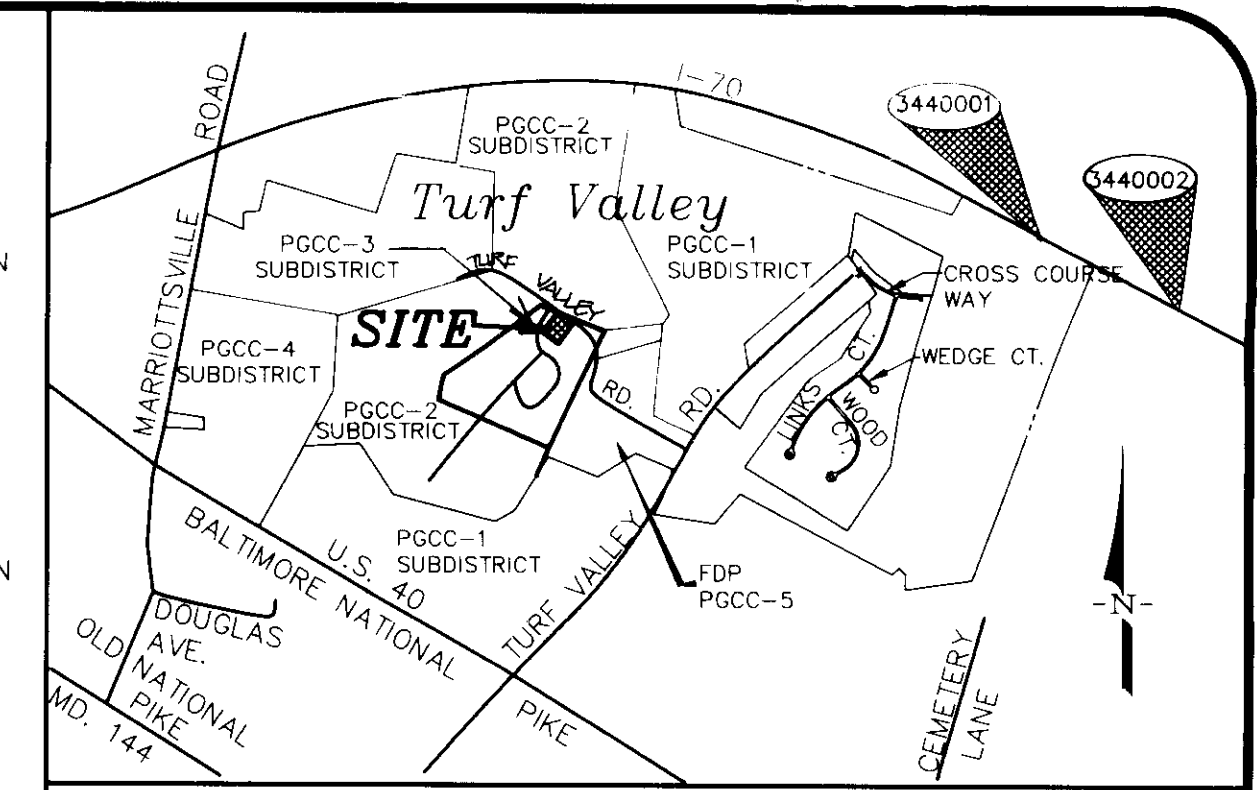
GENERAL NOTES

- AREA OF PGCC-3 SUBDISTRICT:
PHASE 1-A = 1,907.0 AC. OR 65,000,000 S.F.
REMAINDER = 27,002.4 AC.
TOTAL GROSS AREA OF PGCC-3 SUBDISTRICT = 29.5 ACRES
- ZONE: PGCC-3 RESIDENTIAL HIGH DENSITY - FDP #4 PLAT NO. 3054A-1079 DATED 10/6/89.
PLANNING BOARD CASE #181 DATED 8/30/89.
- PROPOSED USE: EXECUTIVE SUITES (RENTAL).
- TOTAL NUMBER OF UNITS ALLOWED UNDER THIS ZONE: 150 UNITS
PROPOSED NUMBER OF UNITS WITHIN PHASE 1A: 6 UNITS
- NUMBER OF PARKING SPACES REQUIRED (PHASE 1A): 2 SPACES PER UNIT
NUMBER OF PARKING SPACES PROVIDED: 17 TOTAL (INCLUDES 2 HANDICAP)
- OPEN SPACE PROVIDED WITHIN PGCC-3 SUBDISTRICT: 4.5 ACRES OR 15% OF GROSS AREA.
- BUILDING COVERAGE OF SITE: 35% (SEE PLAN AND ELEVATION VIEW FOR SQUARE FOOTAGE).
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1000 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THE TOPOGRAPHY SHOWN WAS GENERATED FROM AERIAL PHOTOGRAPHY PROVIDED BY WINGS MAPPING CO., INC. DATED APRIL 23, 1992.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON MARYLAND GRID SYSTEM NAD 27 - HOWARD COUNTY MONUMENTS NO.'S 3440001 AND 3440002.
- STORMWATER MANAGEMENT IS PROPOSED AS EXTENDED DETENTION UNDER THIS SDP SUBMISSION. (PRIVATE FACILITY)
- ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THE CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES AND EASEMENTS PRIOR TO CONSTRUCTION.
- HOWARD COUNTY RELATED REFERENCE PLANS: S-86-13, S-90-15, WP-90-32, FDP PGCC-2/PGCC-3.
- WAIVER PETITION WP-90-32 WAS APPROVED MARCH 21, 1991 TO WAIVE THE REQUIREMENT OF PRELIMINARY AND FINAL PLAN SUBMISSION.
- ALL ROADS AND DRIVEWAY INDICATED SHALL BE PRIVATELY OWNED AND MAINTAINED.
- NO WETLANDS OR FLOODPLAINS EXIST WITHIN THE PROJECT LIMITS.
- DEED REFERENCE FOR THIS PARCEL IS LIBER 920 AT FOLIO, 285.
- ACCESS TO THESE UNITS WILL BE PROVIDED BY A PRIVATE ROAD, THROUGH LOT 1 OF TURF VALLEY COUNTY CLUB AS RECORDED IN LIBER 3084 AT FOLIO 550, UNTIL SUCH TIME THAT THE PUBLIC COLLECTOR ROADS ARE BUILT LINKING THE SITE WITH U.S. ROUTE 40 AND MARRIOTTVILLE ROAD.
- WATER SERVICE UNDER THIS SDP WILL BE PUBLIC. SEWER SERVICE WITHIN PGCC-3 SUBDISTRICT AND THIS SDP WILL BE PRIVATE.
- LANDSCAPE REQUIREMENTS ARE IN ACCORDANCE WITH THE APPROVED FDP #4, PGCC-2 AND PART OF PGCC-3 SUBDISTRICT RECORDED AS PLAT NO. 3054A-1079 DATED OCTOBER 6, 1989.
- THE "TEMPORARY ROAD" WILL BE REMOVED ONCE THE EXTENSION OF FUTURE STREET 'A' IS BUILT.

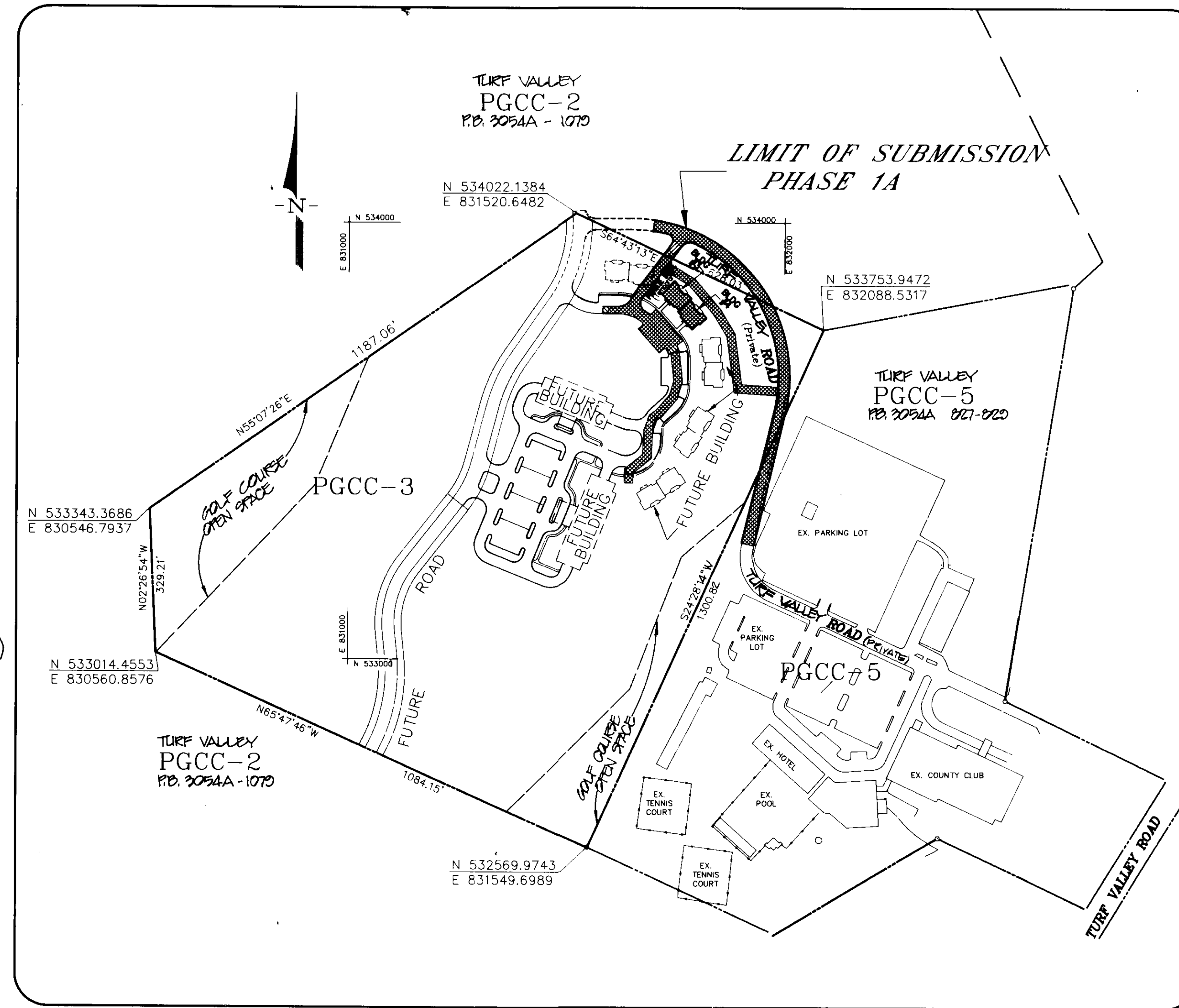
BENCH MARK DATA

3440001 - HOWARD COUNTY GEODETIC CONTROL STATION CONC. MON. @ SURFACE 21"± N OF N EDGE MAG. SHOULDER OF W. BOUND LANE, 242'± W OF W END GUARD RAIL. STATION IS 1.55± MILES EAST OF MARRIOTTVILLE ROAD.
ELEVATION = 486.341
COORDINATES : N 534735.478
E 836286.297

3440002 - HOWARD COUNTY GEODETIC CONTROL STATION CONC. MON. @ SURFACE ON SLOPE, 3000'± W OF BETHANY LANE, 14'± S OF MAG. SHOULDER OF E. BOUND LANE, 485'± E OF E. END OF GUARD RAIL @ W END OF 3 rd CUT.
ELEVATION = 462.306
COORDINATES : N 533593.800
E 837983.249

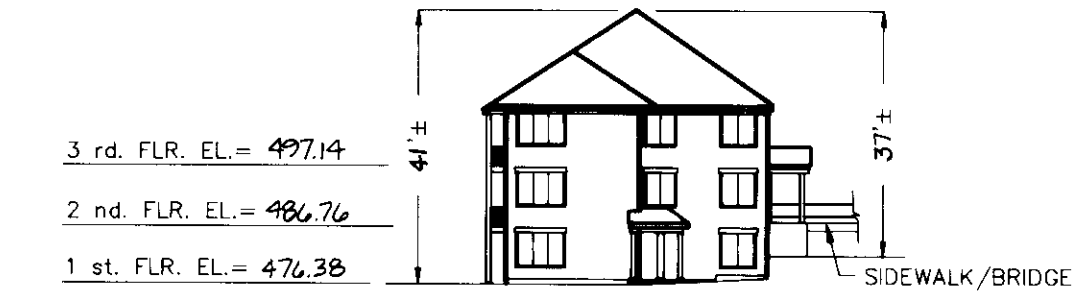


VICINITY MAP
SCALE: 1" = 2000'



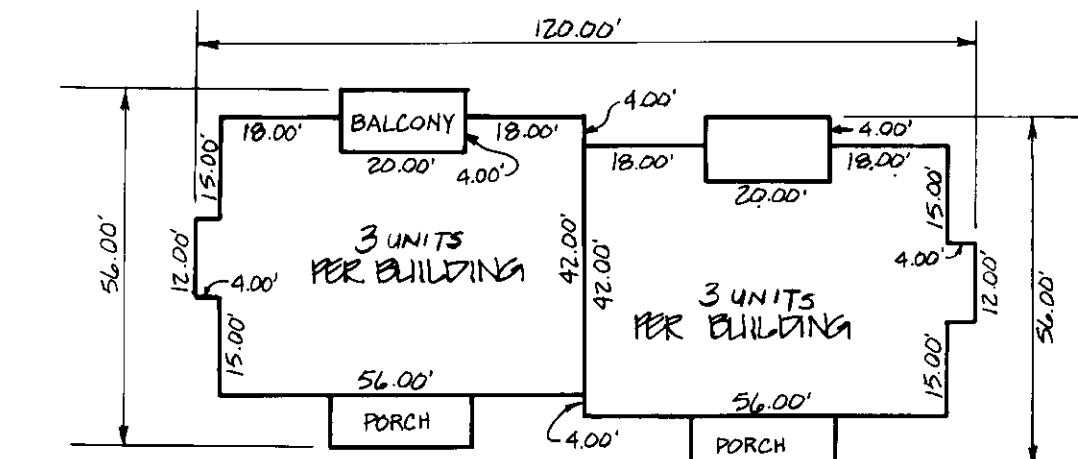
LOCATION MAP

SCALE: 1" = 200'



SIDE ELEVATION SECTION

SCALE: 1" = 30'



BUILDING FOOTAGE : 4638.61 S.F./FLOOR

PLAN VIEW

SCALE: 1" = 30'

SHEET INDEX

- | NO. | PLAN |
|-----|---|
| 1 | COVER SHEET |
| 2 | SITE DEVELOPMENT PLAN |
| 3 | PRIVATE ROAD PROFILE AND DETAILS |
| 4 | PROFILES |
| 5 | DETAILS/STORMWATER MANAGEMENT NOTES |
| 6 | STORMWATER MANAGEMENT NOTES AND DETAILS |
| 7 | EROSION/SEDIMENT CONTROL PLAN |
| 8 | SEDIMENT CONTROL NOTES AND DETAILS |
| 9 | DRAINAGE AREA MAP, SOILS MAP AND STEEP SLOPES |

ADDRESS CHART

BLDG. No.	STREET ADDRESS
3	2708 TURF VALLEY ROAD (PRIVATE)
4	2712 TURF VALLEY ROAD (PRIVATE)

PLANNING BOARD APPROVAL:

23 June '94

PERMIT INFORMATION CHART					
SUBDIVISION NAME TURF VALLEY VILLAS - PHASE 1A SUBDISTRICT PGCC - 3 & PGCC - 2					
SECT./AREA	LOT/PARCEL #	LIBER & FOLIO	PREVIOUS FILE:		
3	3D/#8 (PART OF PARCEL #8)	L 920 F. 285	S-90-15; WP-90-32 S-86-13; FDP PGCC-2/PGCC-3		
PLAT No.	BLOCK No.	ZONE	TAX MAP	ELEC. DIST.	CENSUS
3054A-1079	18	PGCC	16	3rd	6030
WATER CODE			SEWER CODE		
HO 6			599-2500		
SCALE:			DATE:		
AS SHOWN			DECEMBER 9, 1993		

OWNER/DEVELOPER

MANGIONE ENTERPRISES OF TURF VALLEY
1205 YORK ROAD - PENTHOUSE SUITE
LUTHERVILLE MARYLAND 21093
(410) 825-8400
ATTN: MR. LOUIS MANGIONE

ENGINEER/SURVEYOR

MILDENBERG, MOCHI & ASSOCIATES, Inc.
3300 NORTH RIDGE ROAD, SUITE 235
ELKJOTT CITY, MARYLAND 21043
(410) 461-0078

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

James J. ... 11/4/94
DIRECTOR
Anna ... 11/4/94
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER-GE. STORM DRAINAGE SYSTEMS AND ROADS

James ... 10/25/94
DIRECTOR
Robert ... 10/25/94
CHIEF, BUREAU OF ENGINEERING

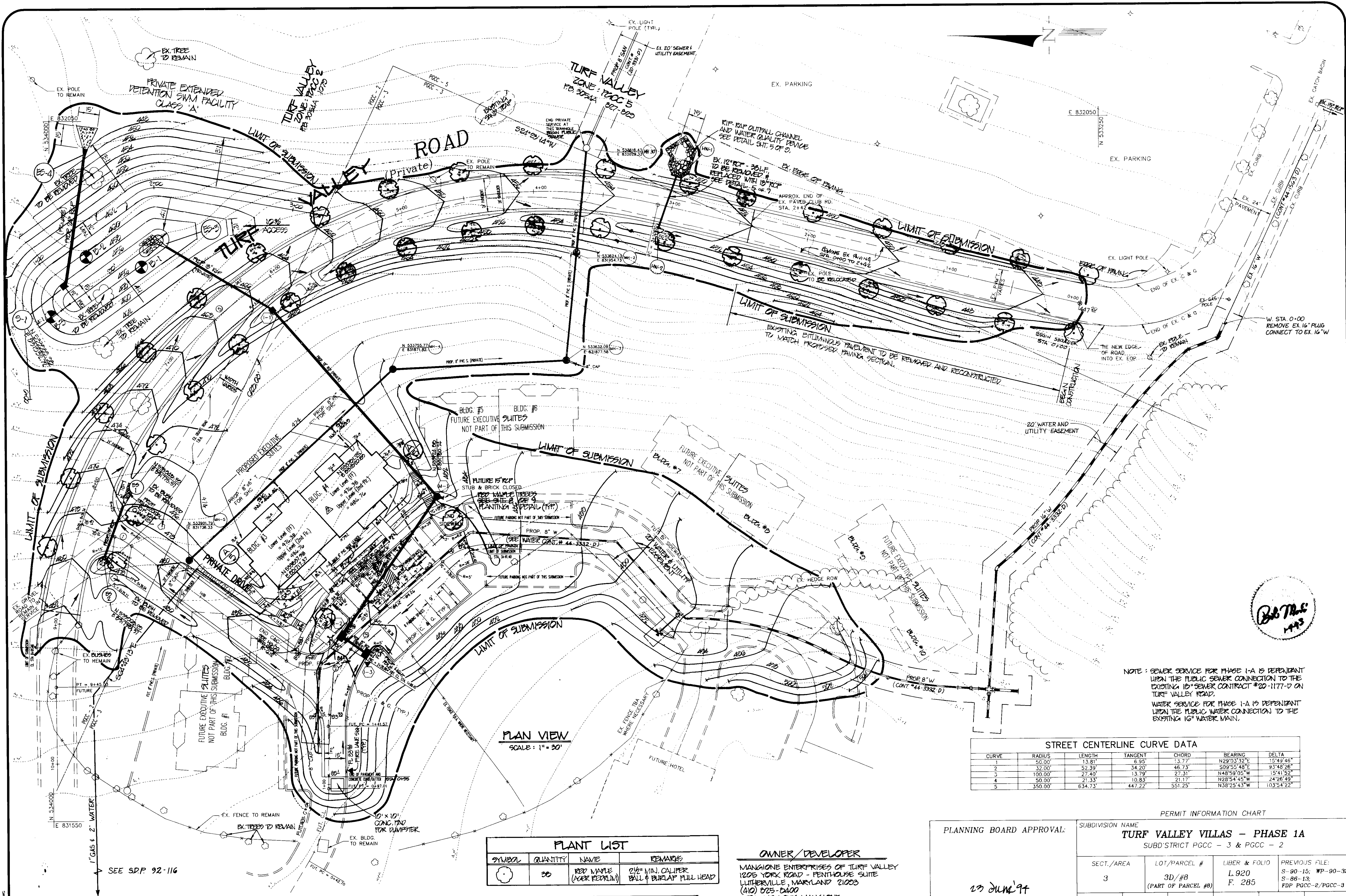
APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER & SEWERAGE SYSTEMS

COUNTY HEALTH OFFICER

Project	date	description	revision
89050-11	DEC. 93	engineering	
1	1/95	YSL	4/94
2	1/95	YSL	4/94
3	1/95	YSL	4/94
4	1/95	YSL	4/94
5	1/95	YSL	4/94
6	1/95	YSL	4/94
7	1/95	YSL	4/94
8	1/95	YSL	4/94
9	1/95	YSL	4/94
10	1/95	YSL	4/94

SUBDISTRICT PGCC - 3 and PGCC - 2
TURF VALLEY VILLAS - PHASE 1A
ELECTION DISTRICT No. 3
HOWARD COUNTY, MARYLAND
COVER SHEET

MILDENBERG, MOCHI & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
3300 North Ridge Road, Suite 235, Elkjott City, Maryland (410) 750-6540
(410) 461-0078 D.C. Metro: (301) 621-5768



PLAN VIEW
SCALE: 1" = 30'

STREET CENTERLINE CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
1	50.00'	13.81'	6.95'	13.77'	N29°03'32"E	15°49'46"
2	32.00'	52.39'	34.20'	46.73'	S09°50'48"E	93°48'26"
3	100.00'	27.40'	13.79'	27.31'	N48°59'05"W	15°41'52"
4	50.00'	21.53'	10.83'	21.17'	N28°54'45"W	24°28'49"
5	350.00'	634.73'	447.22'	551.25'	N38°25'43"W	103°54'22"

NOTE: SEWER SERVICE FOR PHASE 1-A IS DEPENDANT UPON THE PUBLIC SEWER CONNECTION TO THE EXISTING 10" SEWER CONTRACT #20-1177-D ON TURF VALLEY ROAD.
WATER SERVICE FOR PHASE 1-A IS DEPENDANT UPON THE PUBLIC WATER CONNECTION TO THE EXISTING 10" WATER MAIN.

PLANT LIST

SYMBOL	QUANTITY	NAME	REMARKS
(Symbol)	20	RED WATTLE (POCK RETURN)	2 1/2" MIN. CALIBER BALL & BURLAP FULL HEAD

OWNER/DEVELOPER
MANGIONE ENTERPRISES OF TURF VALLEY
1205 YORK ROAD - PENTHOUSE SUITE
LUTHERVILLE, MARYLAND 21023
(410) 025-0400
ATTN: MR. LOUIS MANGIONE

ENGINEER/SURVEYOR
MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 NORTH RIDGE ROAD, SUITE 235
ELLICOTT CITY, MARYLAND 21043
(410) 461-0078

PERMIT INFORMATION CHART

PLANNING BOARD APPROVAL: _____ DATE: 23 JUN '94

SUBDIVISION NAME: **TURF VALLEY VILLAS - PHASE 1A**
SUBDISTRICT PGCC - 3 & PGCC - 2

SECT./AREA	LOT/PARCEL #	LIBER & FOLIO	PREVIOUS FILE:
3	3D/#8 (PART OF PARCEL #8)	L.920 F. 285	S-90-15; WP-90-32 S-96-13; PDP PGCC-2/PGCC-3
PLAT No.	BLOCK No.	ZONE	TAX MAP
3054A-1079	16	PGCC	16
WATER CODE	SEWER CODE	ELEC. DIST.	CENSUS
HO G	500-2500	3rd	6020
SCALE: 1" = 30'	DATE: DECEMBER 7, 1993		

APPROVED: _____ DATE: 11/4/94
DIRECTOR: _____ DATE: 11/4/94
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: _____ DATE: 10/26/94
DIRECTOR: _____ DATE: 10/25/94
CHIEF, BUREAU OF ENGINEERING

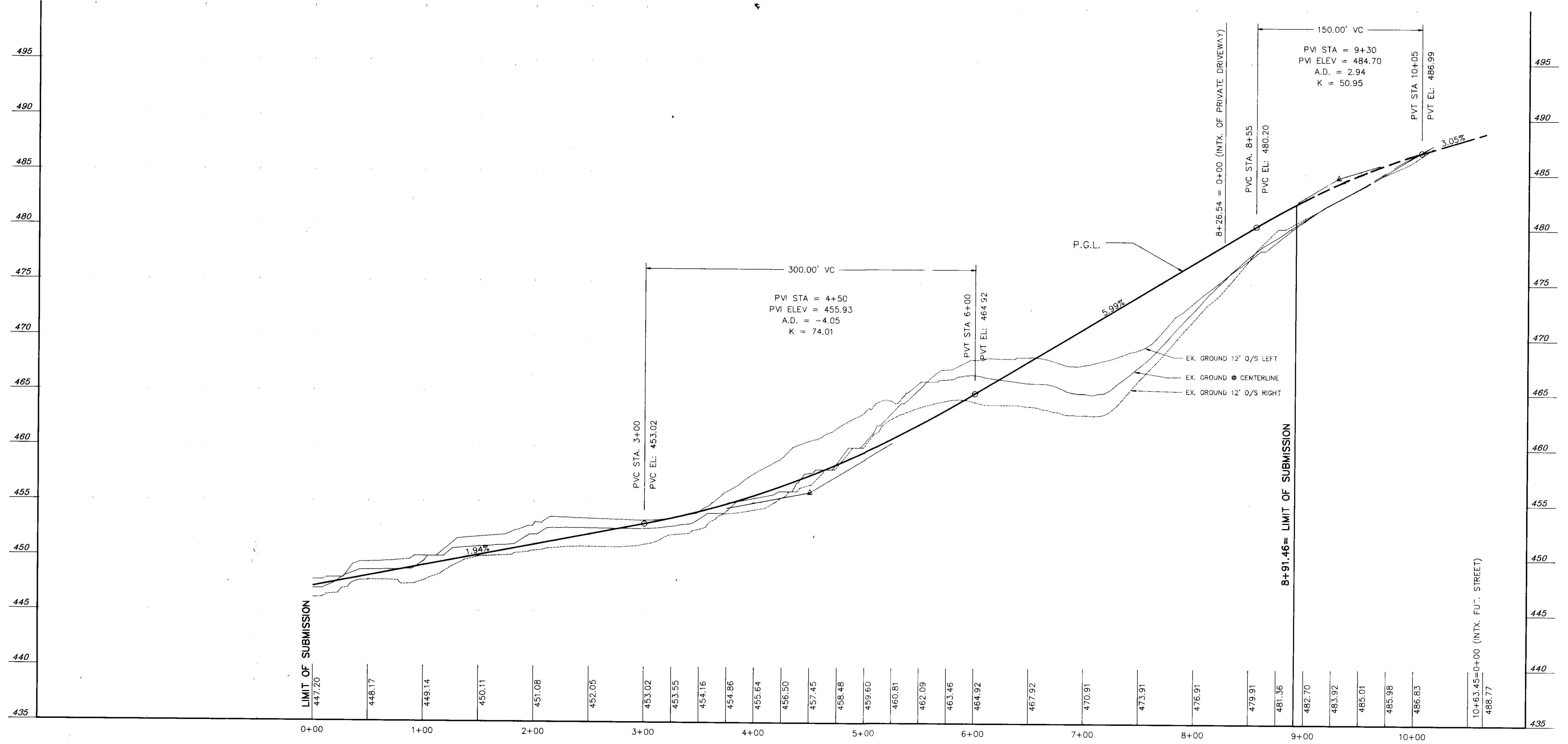
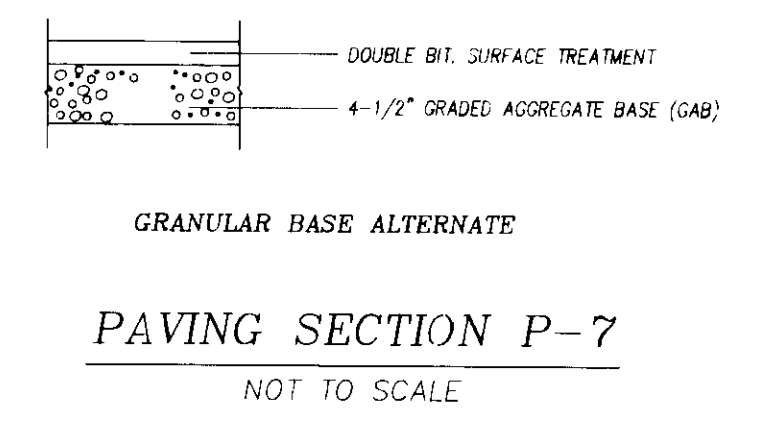
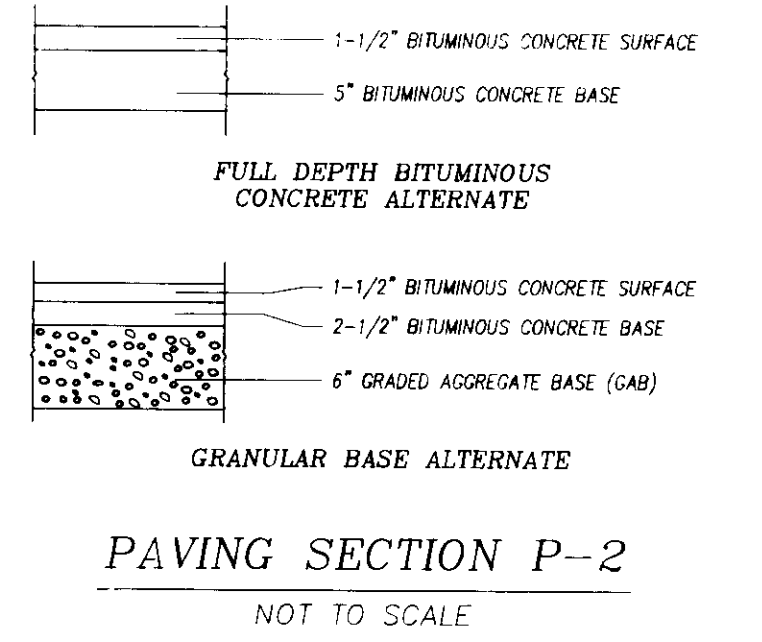
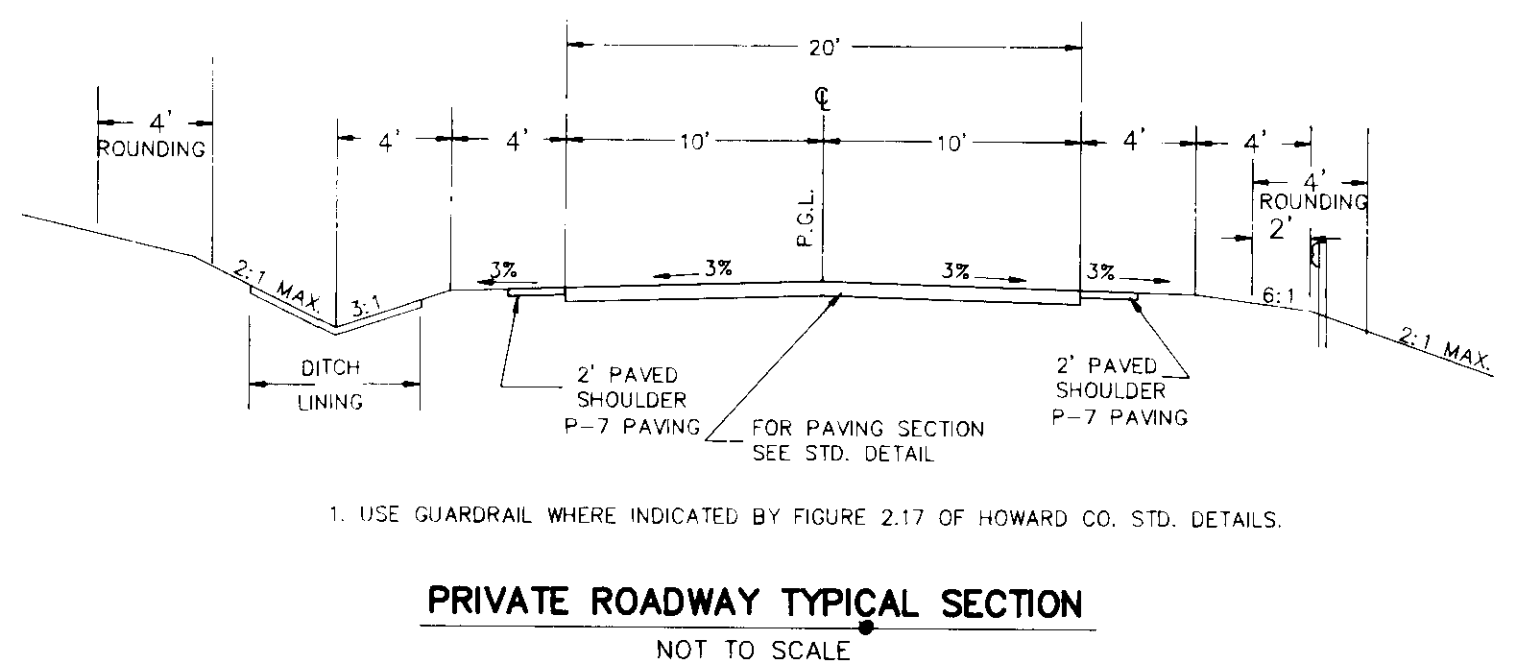
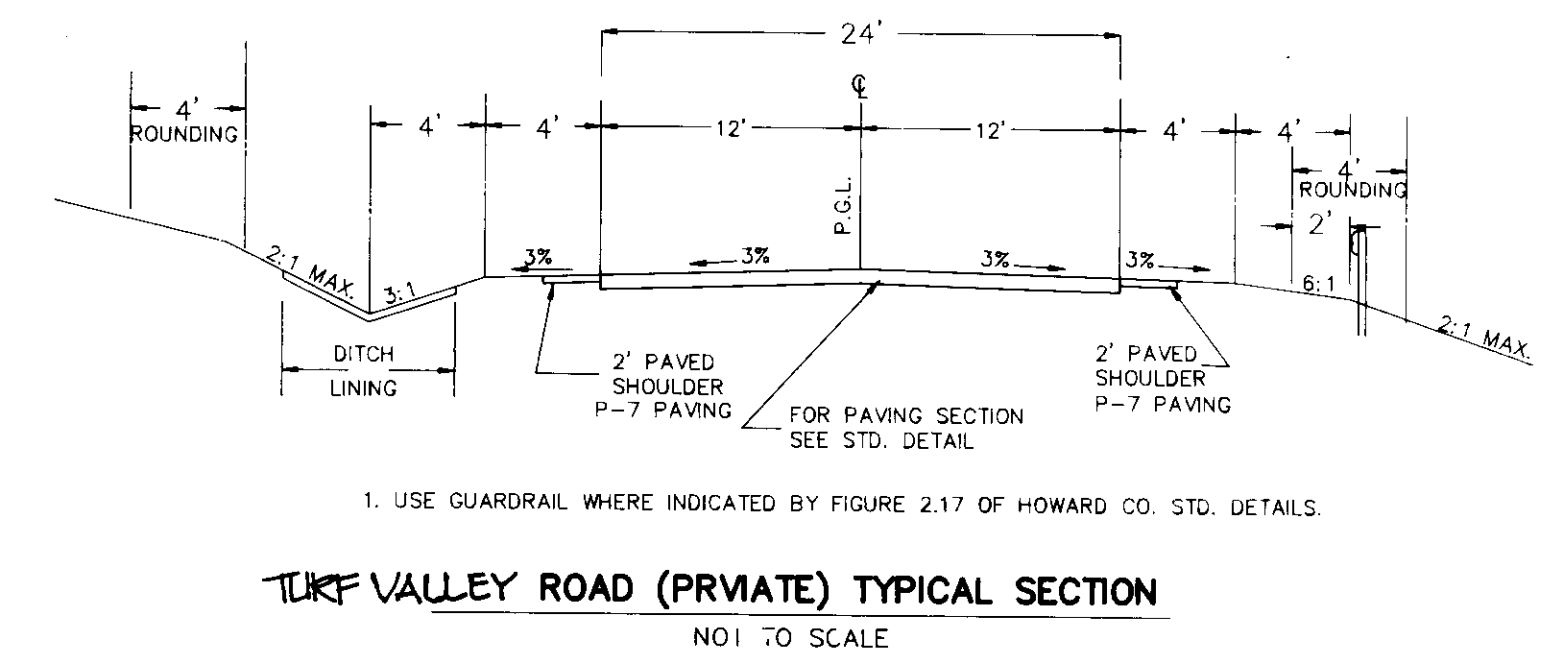
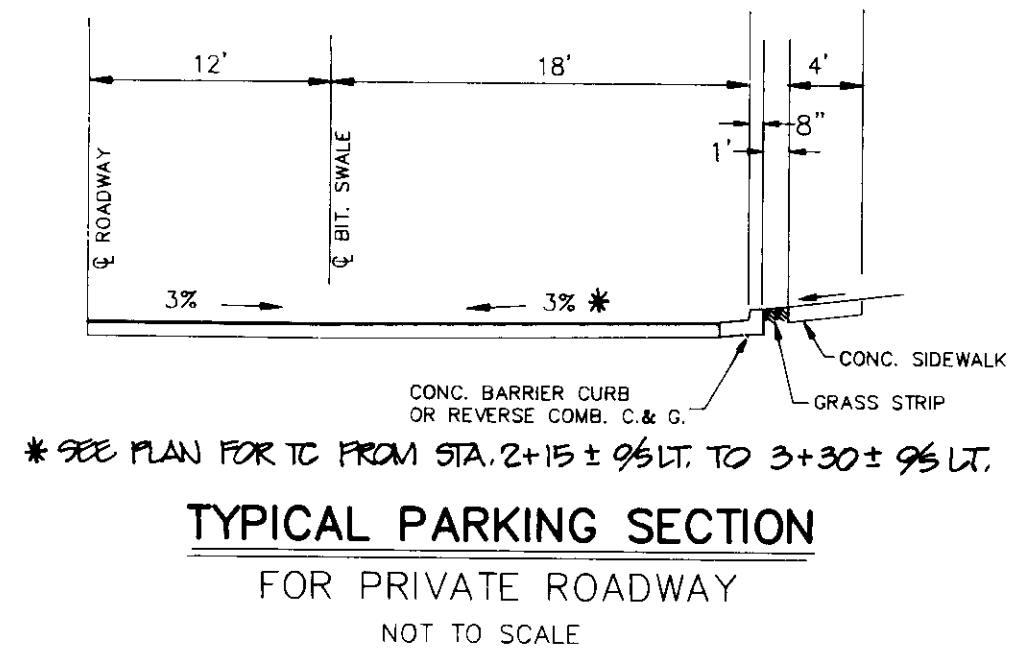
APPROVED: _____ DATE: _____
COUNTY HEALTH OFFICER

Project: 89050-11 DEC. 93
Illustration: CAM
Scale: CAM
Date: 12/27/93
Revisions: 1. ADD 1" GAS & 2" WATER
2. REVISE BLDG PLAN & SIDEWALKS
3. 2" W. SIDEWALK TO 12" W.
4. 1" ST. SUBMITTAL TO LPZ
5. 1" ST. SUBMITTAL TO LPZ

SUBDISTRICT PGCC - 3 and PGCC - 2
TURF VALLEY VILLAS - PHASE 1A
ELECTION DISTRICT No. 3
HOWARD COUNTY, MARYLAND
SITE DEVELOPMENT PLAN

MILDENBERG, MOCHI & ASSOCIATES, INC.
ENGINEERS & SURVEYORS
3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3550
(301) 461-0078 D.C. Metro: (301) 621-5768

2 OF 9



TURF VALLEY ROAD (PRIVATE) PROFILE

SCALE: H: 1" = 50'
V: 1" = 5'
(DESIGN SPEED: 30 mph)

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
[Signature] 11/4/94
 DIRECTOR
 Gina Summery
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
 JA

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
[Signature] 10/26/94
 DIRECTOR
[Signature] 10/25/94
 CHIEF, BUREAU OF ENGINEERING
 CB

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER & SEWERAGE SYSTEMS
 COUNTY HEALTH OFFICER
 DATE

OWNER/DEVELOPER
 MANGIONE ENTERPRISES OF TURF VALLEY
 1205 YORK ROAD - PENTHOUSE SUITE
 LUTHERVILLE, MARYLAND 21093
 (410) 825-8400
 ATTN: MR. LOUIS MANGIONE

ENGINEER/SURVEYOR
 MILDENBERG, MOCHI & ASSOCIATES, INC.
 3300 NORTH RIDGE ROAD, SUITE 235
 ELLICOTT CITY, MARYLAND 21043
 (410) 481-0078

PERMIT INFORMATION CHART					
PLANNING BOARD APPROVAL: 23 Jun '94					
SUBDIVISION NAME TURF VALLEY VILLAS - PHASE 1A SUBDISTRICT PGCC - 3 & PGCC - 2					
SECT./AREA 3	LOT/PARCEL # 3D/#8 (PART OF PARCEL #8)	LIBER & FOLIO L 920 F. 285	PREVIOUS FILE: S-90-15; WP-90-32 S-88-13; PDP PGCC-2/PGCC-3		
PLAT No. 3054A-1079	BLOCK No. 16	ZONE PGCC	TAX MAP 16	ELEC. DIST. 3rd	CENSUS 6030
WATER CODE HO G			SEWER CODE ECC-2500		
SCALE: 1" = 30'			DATE: DECEMBER 7, 1993		

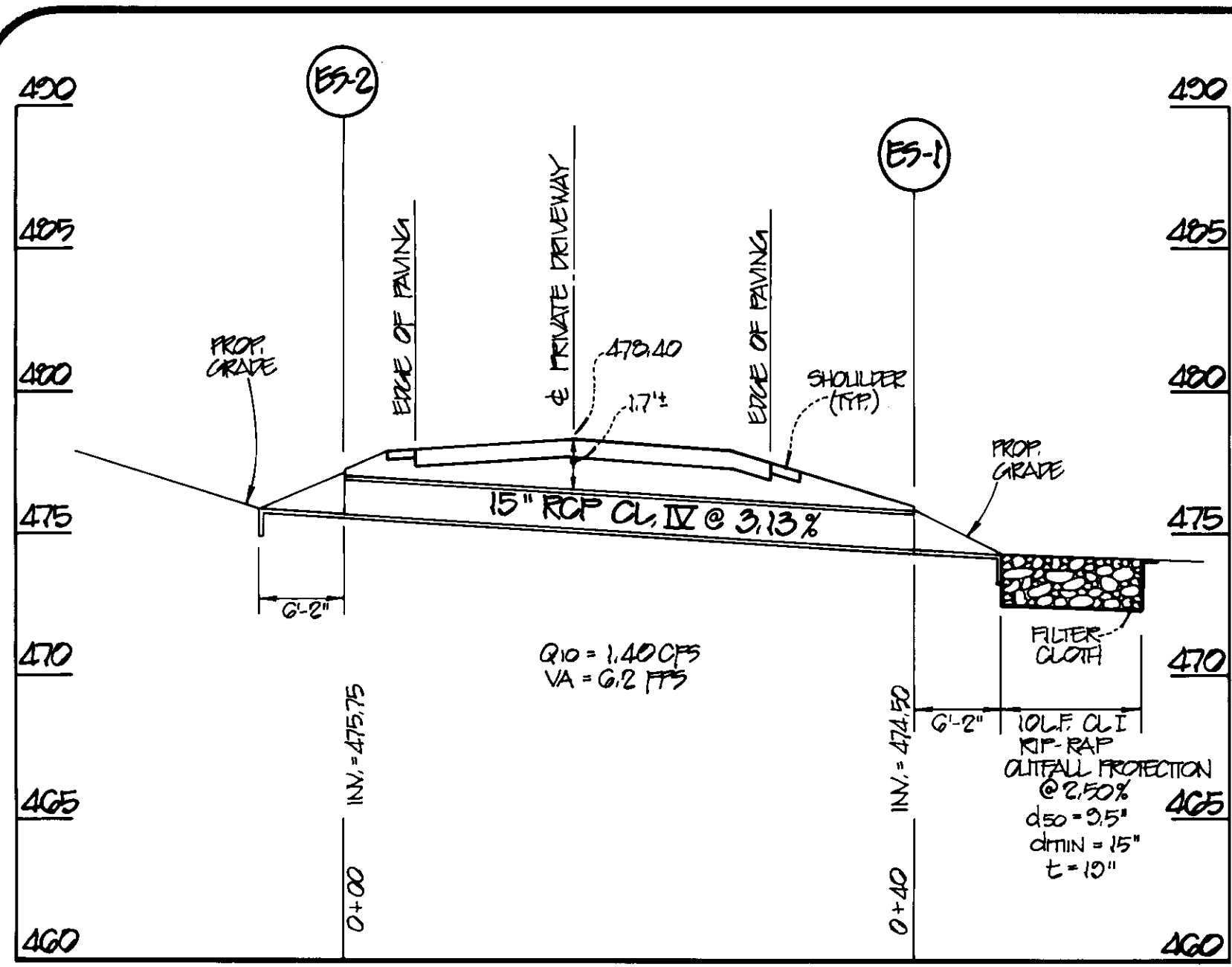


Project	89050-11	Date	DEC. 93
Illustration	CAM	Engineering	CAM
Scale	AS SHOWN	Approval	RMM

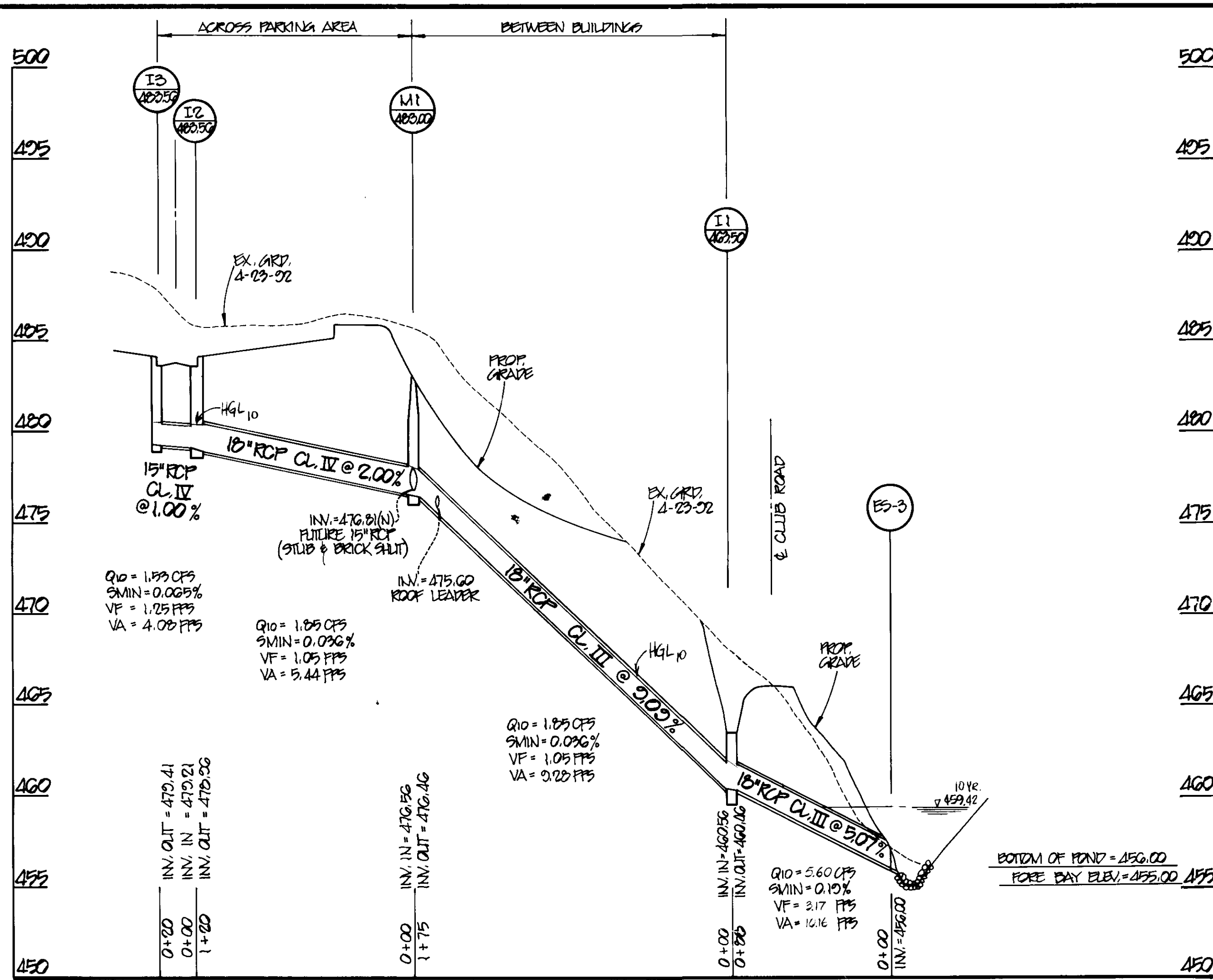
2nd SUBMITTAL TO DPW	4/94	DATE	12/7/93
1st SUBMITTAL TO DPZ	0	DESCRIPTION	revisions
No.			

SUBDISTRICT PGCC - 3 and PGCC - 2
TURF VALLEY VILLAS - PHASE 1A
 ELECTION DISTRICT No. 3
 HOWARD COUNTY, MARYLAND
 PRIVATE ROAD PROFILE AND DETAILS

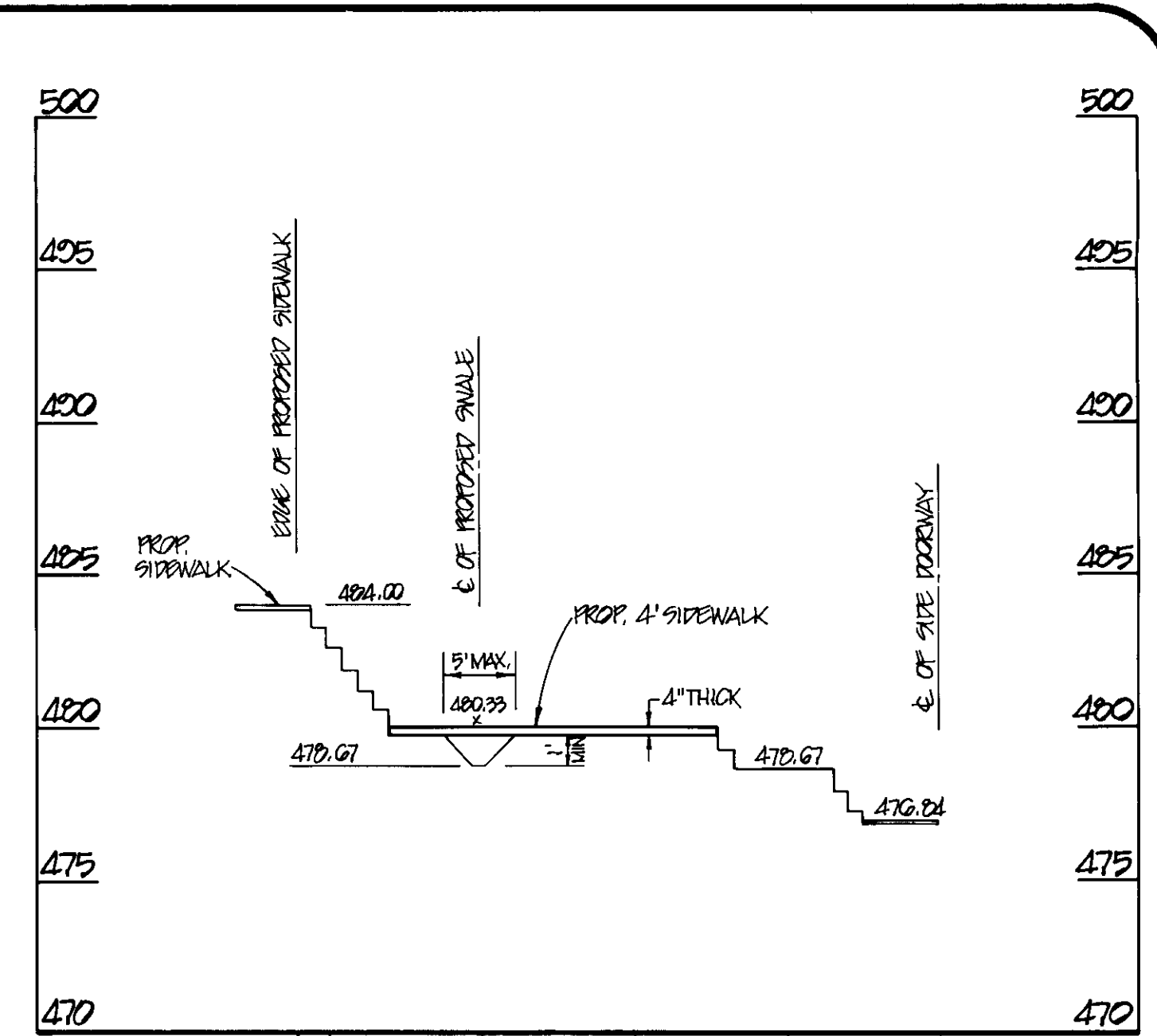
MILDENBERG, MOCHI & ASSOCIATES, INC.
 ENGINEERS • SURVEYORS • PLANNERS
 3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3350
 (410) 461-0078 Fax: (410) 521-5768



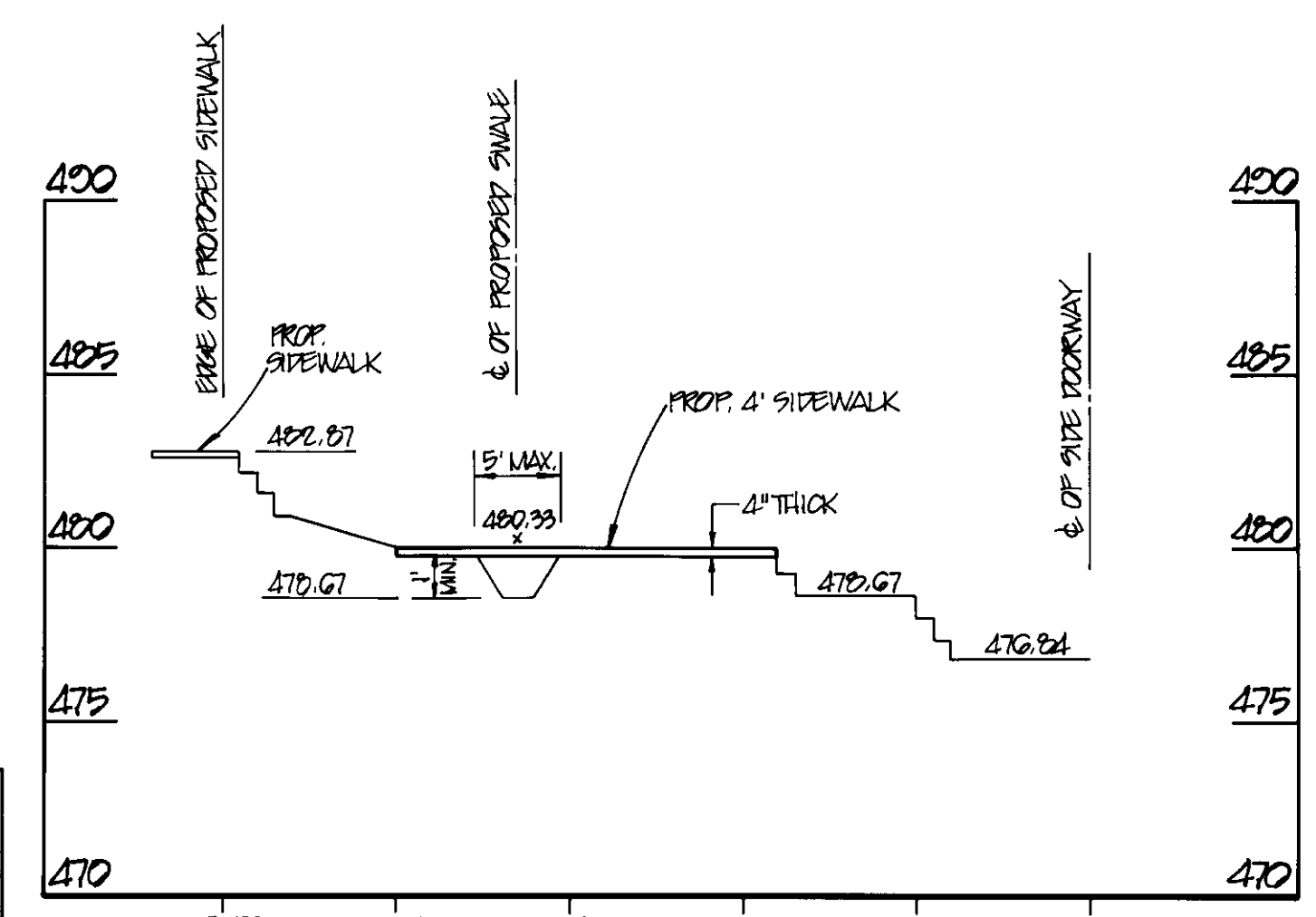
DRIVEWAY CULVERT PROFILE (PRIVATE)
 SCALE
 VERT. : 1" = 5'
 HORIZ. : 1" = 10'



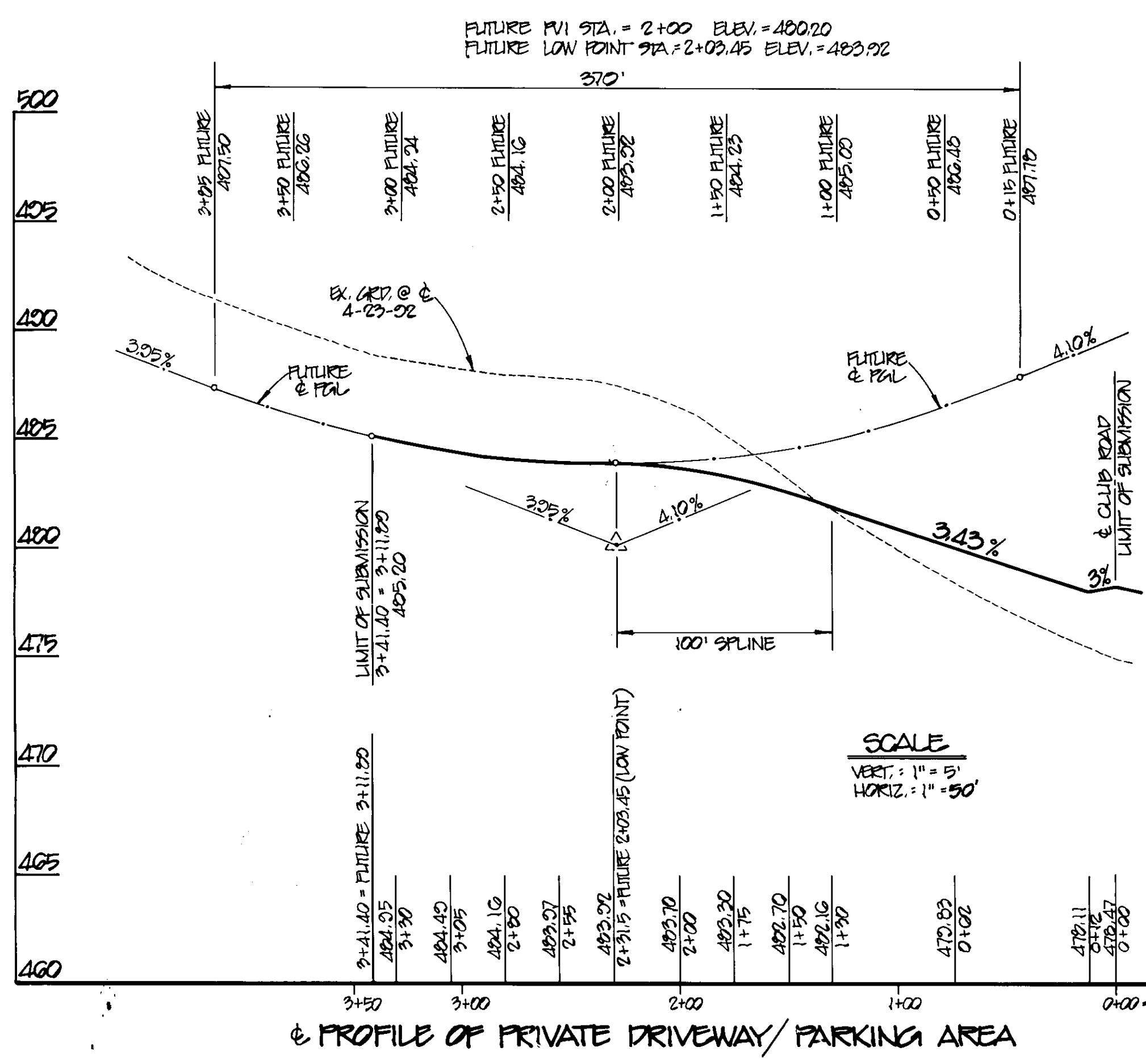
SCALE
 VERT. : 1" = 5'
 HORIZ. : 1" = 50'



PROPOSED LEAD WALK TO LOWER UNIT (RIGHT SIDE)
 SCALE
 VERT. : 1" = 5'
 HORIZ. : 1" = 10'

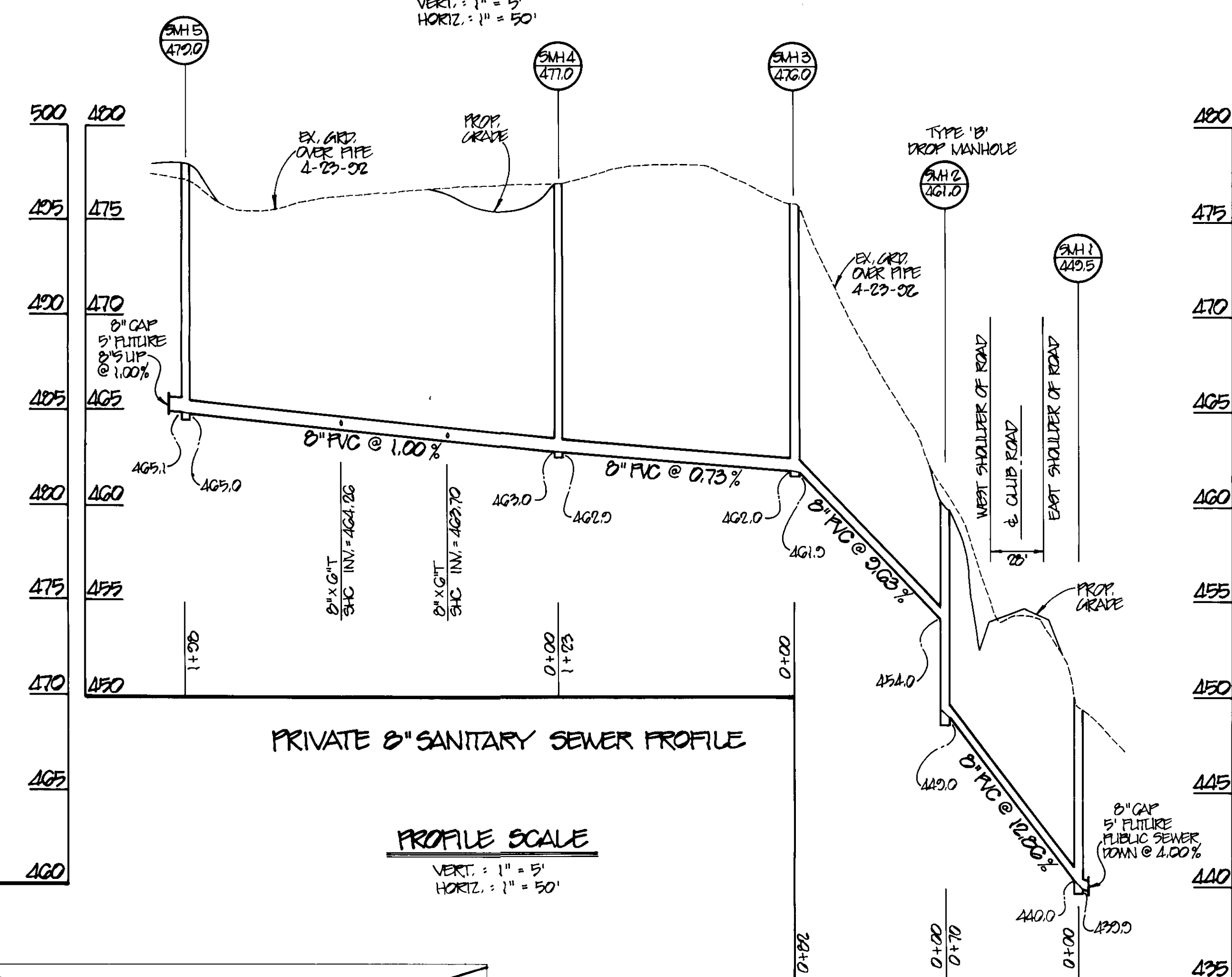


PROPOSED LEAD WALK TO LOWER UNIT (LEFT SIDE)
 SCALE
 VERT. : 1" = 5'
 HORIZ. : 1" = 10'
 NOTE: SEE DETAIL SHEET 5 OF 9



PROFILE OF PRIVATE DRIVEWAY/PARKING AREA

SCALE
 VERT. : 1" = 5'
 HORIZ. : 1" = 50'



PRIVATE 8" SANITARY SEWER PROFILE

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

PLANNING BOARD APPROVAL
 23 June '94



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 DATE: 1/4/94
 DIRECTOR: [Signature]
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
 DATE: 10/25/94
 DIRECTOR: [Signature]
 CHIEF, BUREAU OF ENGINEERING

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

ENGINEER/SURVEYOR: MILDENBERG, MOCHI & ASSOCIATES, INC.
 OWNER/DEVELOPER: MANGIONE ENTERPRISES OF TURF VALLEY

PERMIT INFORMATION CHART					
SUBDIVISION NAME TURF VALLEY VILLAS - PHASE 1A SUBDISTRICT PGCC - 3 & PGCC - 2					
SECT./AREA 3	LOT/PARCEL # 3D/#8 (PART OF PARCEL #8)	LIBER & FOLIO L 920 F. 285	PREVIOUS FILE: S-90-15; WP-90-32 S-86-13; FDP PGCC-2/PGCC-3	TAX MAP 16	ELEC. DIST. 3rd
PLAT No. 3054A-1079	BLOCK No. 16	ZONE PGCC	TAX MAP 16	ELEC. DIST. 3rd	CENSUS 6030
WATER CODE HO G			SEWER CODE 530-2500		
SCALE: AS SHOWN			DATE: DECEMBER 7, 1993		

TURF VALLEY VILLAS - PHASE 1A
 SUBDISTRICT PGCC - 3 and PGCC - 2
 ELECTION DISTRICT No. 3
 HOWARD COUNTY, MARYLAND
 PROFILES

PROJECT: 88050-11	DATE: DEC 93	ENGINEERING: CAM	APPROVAL: RMA
ILLUSTRATION: BLP	SCALE: 1/8"	DATE: 12/7/93	REVISIONS:
1 2" SUBMITTAL TO DPW	0 1" SUBMITTAL TO DPZ	DESCRIPTION:	REVISIONS:
TITLE:	DATE:	DESCRIPTION:	REVISIONS:

4 OF 9

MILDENBERG, MOCHI & ASSOCIATES, INC.
 3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-1350
 (410) 461-0078 D.C. Metro: (301) 621-5768 Fax: (410) 750-6340

SPECIFICATIONS

These specifications are appropriate to all ponds within the scope of the Standard Practice MD-37R. All references to ASTM and AASHTO specifications apply to the most recent version.

Site Preparation

Areas designated for borrow areas, embankment, and structural works shall be cleared, grubbed and stripped of topsoil. All trees, vegetation, roots and other hydrocarbon materials shall be removed. Channel banks and sharp breaks shall be sloped to no steeper than 1:1.

Areas to be covered by the reservoir will be cleared of all trees, brush, logs, fence, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface. For dry stormwater management ponds, a minimum of 150 foot radius around the inlet structure shall be cleared.

All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

Earthfill

Material: The fill material shall be taken from approved designated borrow areas. It shall be free of roots, stumps, wood, rubbish, stones greater than 12" frozen or other objectionable materials. Fill material for the center of the embankment and cut of trench shall conform to Unified Soil Classification GC, SC, CH, or CL. Consideration may be given to the use of other materials in the embankment if design and construction are supervised by a geotechnical engineer.

Placement: Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in maximum 8 inch thick (before compaction) layers which are to be continuous over the entire length of the fill. The most permeable borrow material shall be placed in the downstream portions of the embankment. The principal spillway must be installed concurrently with fill placement and not excavated into the embankment.

Compaction: The movement of the hauling and spreading equipment over the fill shall be controlled

so that the entire surface of each lift shall be traversed by not less than one tread track of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tire or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction will be obtained with the equipment used. The fill material shall contain sufficient moisture so that if formed into a ball it will not crumble yet not be so wet that water can be squeezed out.

Where a minimum required density is specified, it shall not be less than 95% of maximum dry density with a moisture content within ±2% of the optimum. Each layer of fill shall be compacted as necessary to obtain that density, and is to be certified by the Engineer at the time of construction. All compaction is to be determined by AASHTO Method T-99.

Cut Off Trench: The cutoff trench shall be excavated into impervious material along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be governed by the equipment used for excavation, with the minimum width being four feet. The depth shall be at least four feet below existing grade or as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The trench shall be compacted with construction equipment rollers, or hand tampers to assure maximum density and minimum permeability.

Structure Backfill

Backfill adjacent to pipes or structures shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other manually directed compaction equipment. The material needs to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operation shall driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe, unless there is a compacted fill of 24" or greater over the structure or pipe.

Pipe Conduits

All pipes shall be circular in cross section.

Corrugated Metal Pipe: All of the following details shall apply for corrugated metal pipe:

- Materials (Steel Pipe)** - This pipe and its appurtenances shall be galvanized and fully bituminous coated and shall conform to the requirements of AASHTO Specification M 190 Type A with watertight coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound. Steel pipes with polymeric coatings shall have a minimum coating thickness of 0.01 inch (10 mil) on both sides of the pipe. The following materials or approved equivalents may be used: Nepon, Plast-Cote, Blue-Black, and Best-Cu-Loy. Coated corrugated steel pipe shall meet the requirements of AASHTO M 245 and M 246.
- Materials (Aluminum Coated Steel Pipe)** - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M 274 with watertight coupling bands or flanges. Any aluminum coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound.
- Materials (Aluminum Pipe)** - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M 196 or M 211 with watertight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be painted with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The pH of the surrounding soils shall be between 4 and 9.

- Coupling bands, anti-seep collars, and sections, etc.,** must be composed of the same material as the adjoining fill material. Metals must be insulated from dissimilar materials with one inch of rubber or plastic insulating material at least 24 mils in thickness.
 - Connections:** All connections with pipes must be completely watertight. The drain pipe or barrel connector to the riser shall be placed all around within the pipe and riser are metal. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight. Simple bands are not considered to be watertight.
- All connections shall use a rubber or neoprene gasket when joining pipe sections. The end of each pipe shall be reinforced to accommodate the band width. The following type connections are acceptable for pipes less than 24" in diameter: flanges on both ends of the pipe, a 12" wide standard lap type band with 12" wide by 3/8" thick closed cell cellular

- Bedding:** The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or otherwise unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.
 - Backfilling** shall conform to "Structure Backfill."
 - Other details (anti-seep collars, valves, etc.)** shall be as shown on the drawings.
- Reinforced Concrete Pipe:** All of the following criteria shall apply for reinforced concrete pipe:
- Materials:** Reinforced concrete pipe shall have bell and spigot joints with rubber gaskets and shall equal or exceed ASTM Designation C-361.
 - Bedding:** All reinforced concrete pipe conduits shall be laid in a concrete bedding for their entire length. This bedding shall consist of high slump concrete placed under the pipe and up the sides of the pipe to a minimum thickness of 3 inches, or as shown on the drawings.
 - Laying pipe:** Bell and spigot pipe shall be placed with the bell and upstream. Joints shall be made in accordance with recommendations of the manufacturer of the material. After the joints are sealed for the entire line, the bedding shall be placed so that all spaces under the pipe are filled. Care shall be exercised to prevent any deviation from the original line and grade of the pipe. The first joint must be located within 2 feet from the riser.
 - Backfilling** shall conform to "Structure Backfill."
 - Other details (anti-seep collars, valves, etc.)** shall be as shown on the drawings.

Polymer Chloride (PVC) Pipe: All of the following criteria shall apply for polymer chloride (PVC) pipe:

- Materials:** PVC pipe shall be PVC 1220 or PVC 1221 conforming to ASTM D-1785 or ASTM D-2241.
- Joints and connections:** anti-seep collars shall be completely watertight.
- Bedding:** The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or otherwise unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.
- Backfilling** shall conform to "Structure Backfill."
- Other details (anti-seep collars, valves, etc.)** shall be as shown on the drawings.

Concrete

Concrete shall meet the requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction and Materials, Section 606, Mix No. 3.

Rock Riprap

Rock riprap shall meet the requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction and Materials, Section 905.

The riprap shall be placed to the required thickness in one operation. The rock shall be delivered and placed in a manner that will insure the riprap in place shall be reasonably homogeneous with 10% larger rocks uniformly distributed and firmly in contact one to another with the smaller rocks filling the voids between the larger rocks. Filter cloth shall be placed under all riprap and shall meet the requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction and Materials, Section 919.12.

Care of Water during Construction

All work on permanent structures shall be carried out in areas free from water. The Contractor shall construct

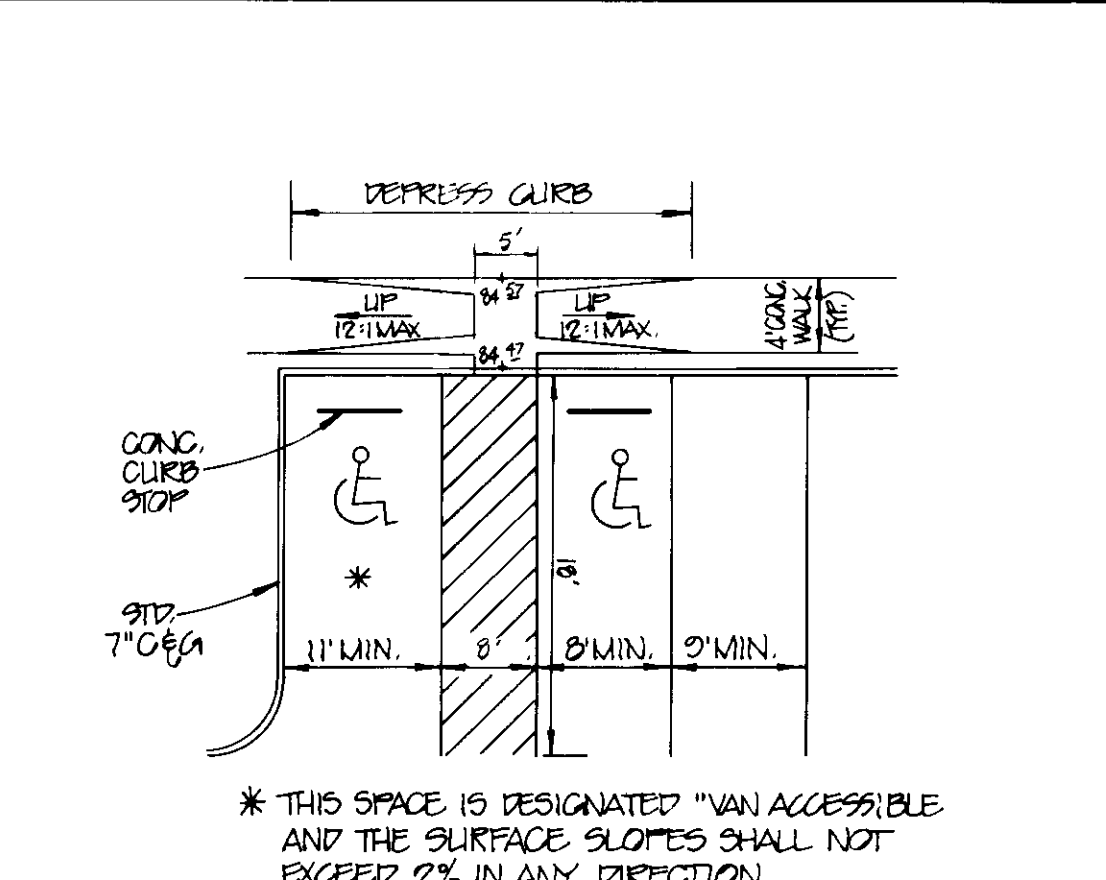
and maintain all temporary dikes, levees, cofferdams, drainage ditches, and stream diversions necessary to protect the areas to be occupied by the permanent works. The contractor shall be responsible for the design and maintenance of all necessary pumping and other equipment required for removal of water from the various parts of the work and for maintaining the excavations, foundation, and other parts of the work free from water as required or directed by the engineer for construction each part of the work. After having served their purpose, all temporary protective works shall be removed or leveled and graded to the extent required to prevent obstruction in any degree whatsoever of the flow of water to the spillway or outlet works and so as not to interfere in any way with the operation or maintenance of the structure. Stream diversions shall be maintained until the full flow can be passed through the permanent works. The removal of water from the required excavation and the foundation shall be accomplished in a manner and to the extent that will maintain stability of the excavated slopes and bottom of required excavations and will show satisfactory performance of all construction operations. During the placing and compacting of material in required excavations, the water level at the locations being refilled shall be maintained below the bottom of the excavator at such locations which may require dewatering the water to pumps from which the water shall be pumped.

Stabilization

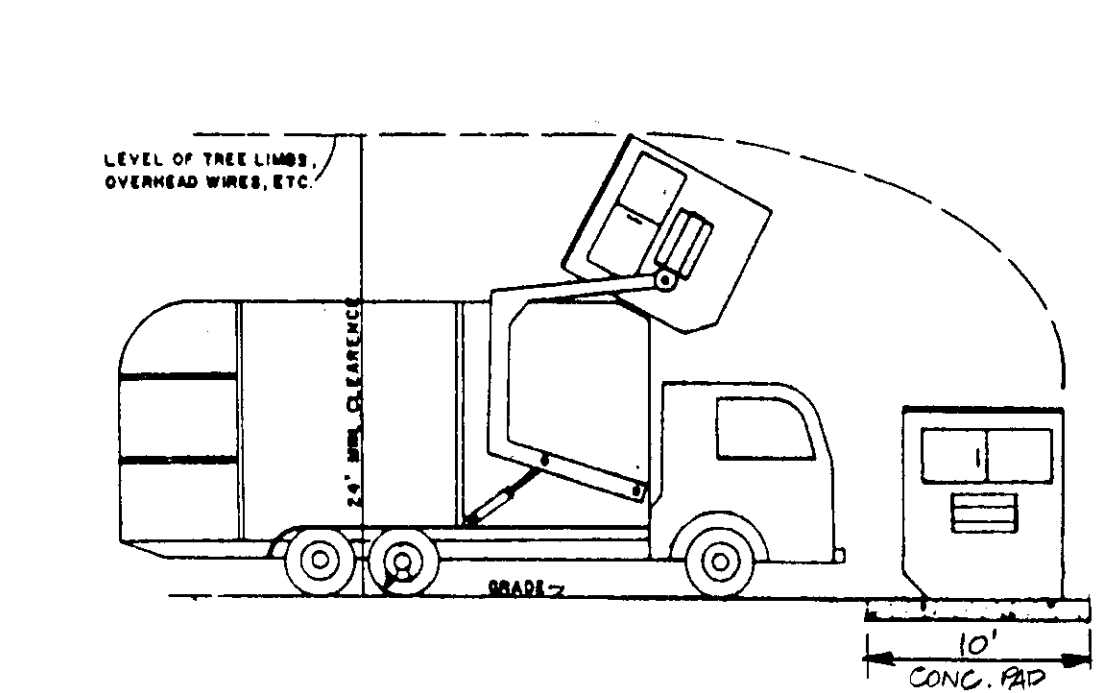
All borrow areas shall be graded to provide proper drainage and left in a stable condition. All exposed surfaces of the embankment, spillway, spot and borrow areas, and berms shall be stabilized by seeding, liming, mulching and mucking in accordance with the Maryland Soil Conservation Service Standards and Specifications for Critical Area Planting (MD-342) or as shown on the accompanying drawings.

Erosion and Sediment Control

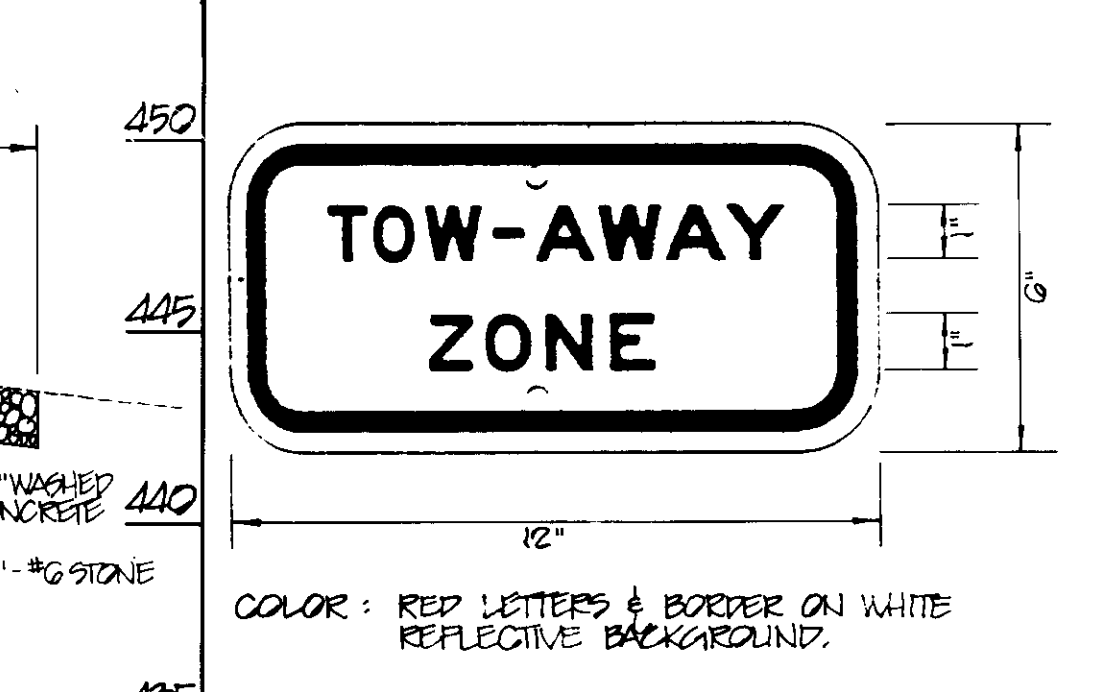
Construction operations will be carried out in such a manner that erosion will be controlled and water and soil pollution minimized. State and local laws concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures to be employed during the construction process.



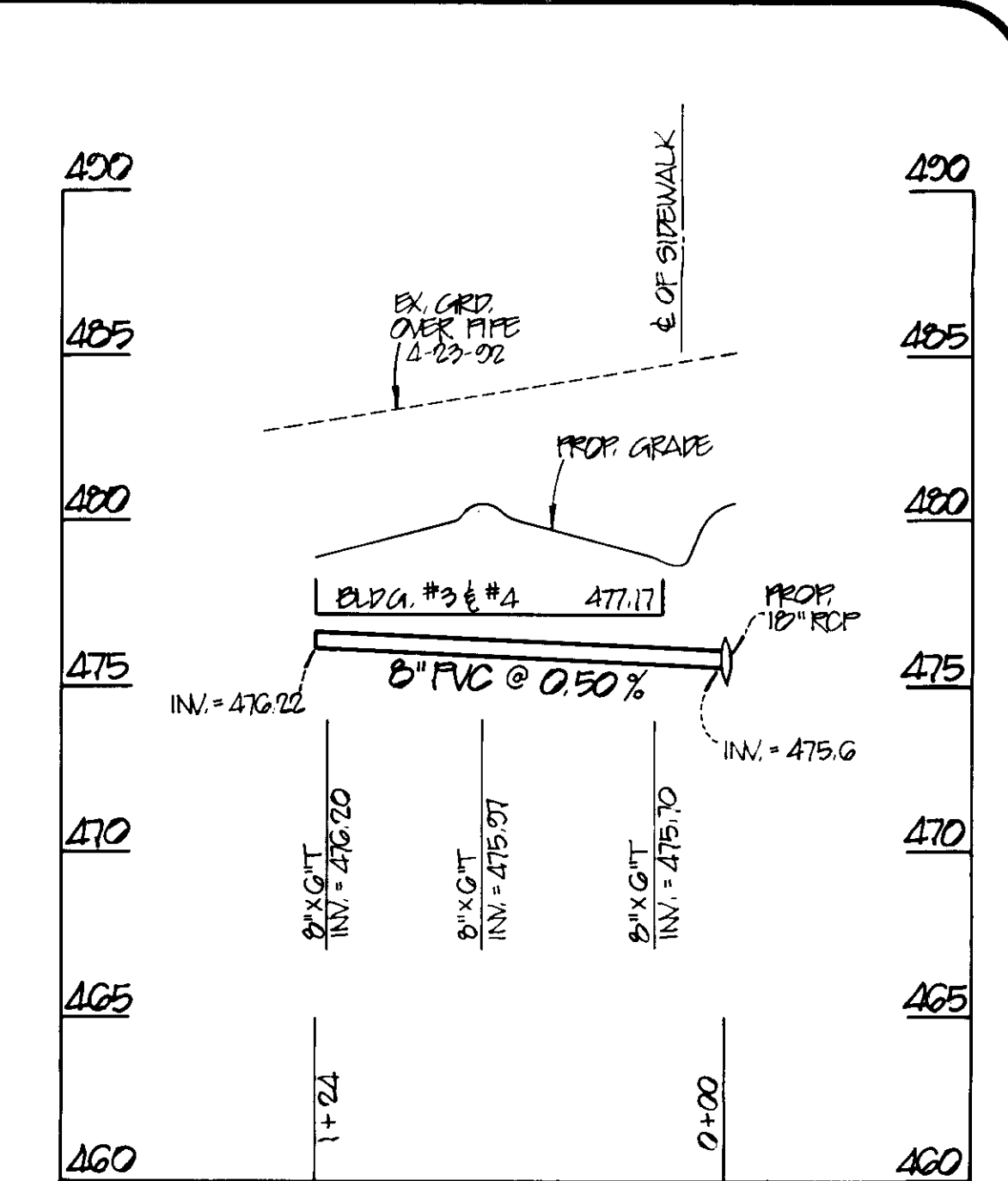
TYPICAL PARKING AND HANDICAP PARKING
NOT TO SCALE



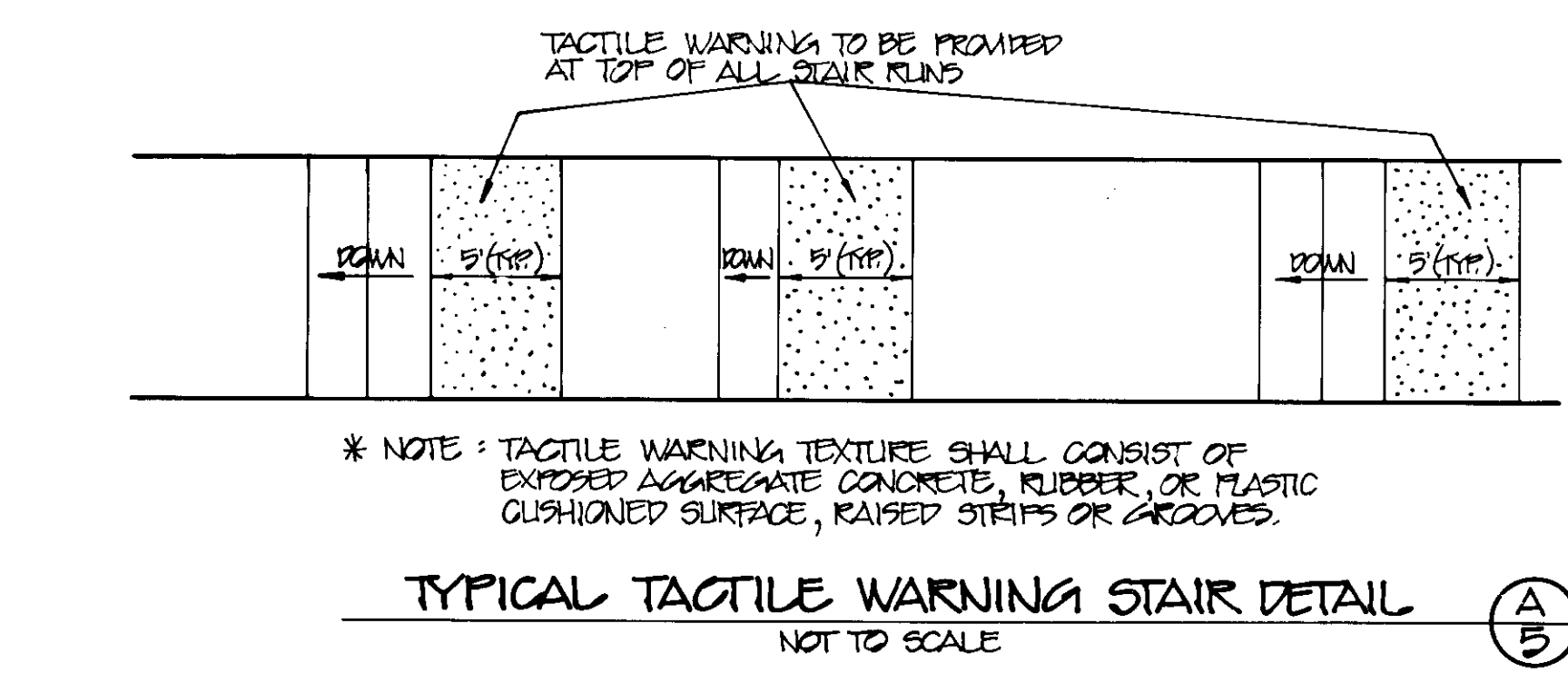
DUMPSTER PAD DETAIL
NO SCALE



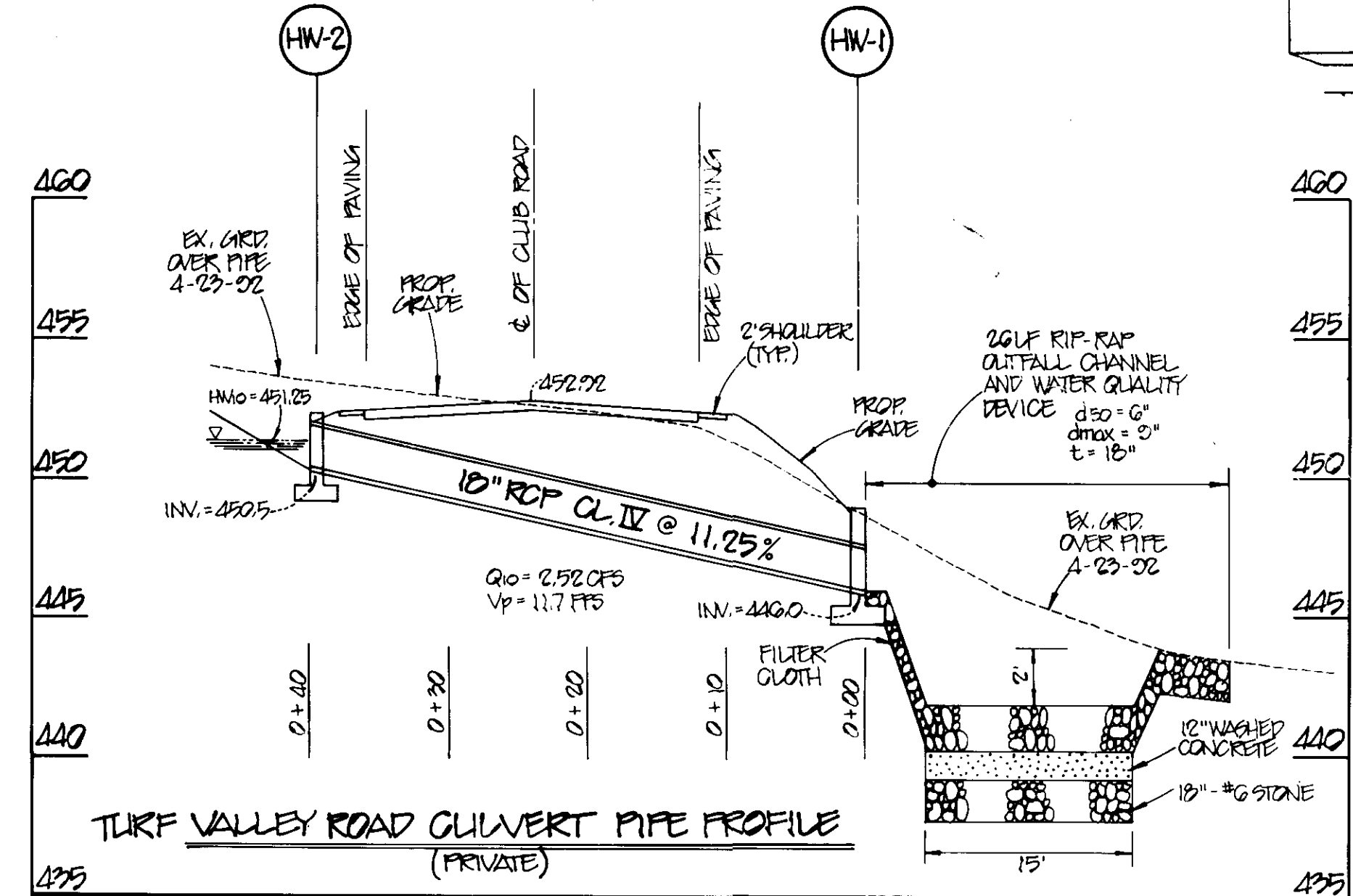
TOW-AWAY ZONE
COLOR: RED LETTERS & BORDER ON WHITE REFLECTIVE BACKGROUND.



STORM DRAIN ROOF LEADER
FRONT OF UNIT
SCALE
VERT: 1" = 5'
HORIZ: 1" = 30'



TYPICAL TACTILE WARNING STAIR DETAIL
NOT TO SCALE



TURF VALLEY ROAD CULVERT PIPE PROFILE (PRIVATE)
PROFILE SCALE
VERT: 1" = 5'
HORIZ: 1" = 10'



- A. Specifications**
- Fire Lane Signs**
 - Size - 12" wide x 18" high. Alternate when specified: 24" wide x 30" high.
 - Thickness - .080"
 - Material - Aluminum
 - Color - Reflective red letters and border on a reflective white background.
 - Lettering - NO PARKING FIRE LANE DIRECTIONAL ARROW (1 1/2")
 - Tow Away Zone Signs**

The authorized sign is designated R7-201 in the Manual on Uniform Traffic Control Devices.

 - Size - 12" wide x 6" high
 - Material type and thickness to be same as Fire Lane Sign
 - Color - Red letters and border on reflective white background
 - Lettering - 2 line text using 1 inch letters
- B. Placement of Signs**
- Limits of zones** - The enforceable limits of any Fire Lane shall be delineated by the placement of Fire Lane signs at both termination points. If signs are installed, all fire lanes will require a minimum of two signs.
 - Short Zones (200 feet or less)**
Fire Lane signs shall be placed at each end of the marked lane with opposing arrows. (See Exhibit 1)
 - Long Zones (in excess of 200 feet)**
Fire Lane signs should be spaced approximately 100-150 feet apart, but in no case will they be spaced more than a distance of 200 feet apart. All long zones will require a minimum of three signs. When signing "Long Zones," it is necessary to incorporate a double pointing arrow on the middle sign(s) and a single pointing arrow on the end signs indicating the limits of the regulation.
 - Mounting Height**
Fire Lane signs shall be mounted at the height of 7 feet to the bottom of the sign. However, slightly lower mounting height may be approved if existing construction conditions so require. No Fire Lane signs shall be mounted so as to interfere with pedestrian movement.
 - Tow Away Zone signs** shall be mounted directly below the Fire Lane sign such that the height is 6 1/2 feet to the bottom of the sign.
 - Existing Parking Spaces**
Any existing parking spaces along a designated Fire Lane curb must be eliminated. This shall be accomplished by removing the lines.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Director: *Uma Jaramani* 11/4/94
 Chief, Division of Land Development and Research: *JA*

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
 Director: *James J. ...* 10/26/94
 Chief, Bureau of Engineering: *...* 10/25/94

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER & SEWERAGE SYSTEMS
 County Health Officer: *...* 10/27/94

APPROVED: THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Howard Soil Conservation District: *...* 10/26/94

APPROVED: THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
 U.S. Soil Conservation Service: *...* 10/26/94

DEVELOPER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A REPAIRMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO ALLOWED FIELDING ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature of Developer: *...* 10/26/94

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.
 Signature of Engineer: *...* 10/27/94

PLANNING BOARD APPROVAL:
 APPROVED
 PLANNING BOARD
 of HOWARD COUNTY
 DATE: 09 June 94

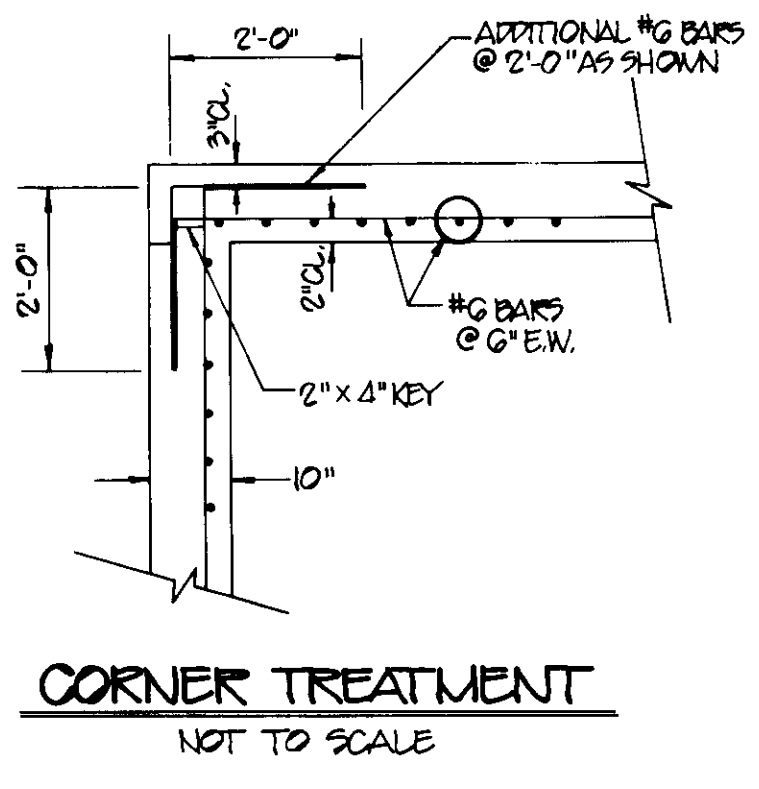
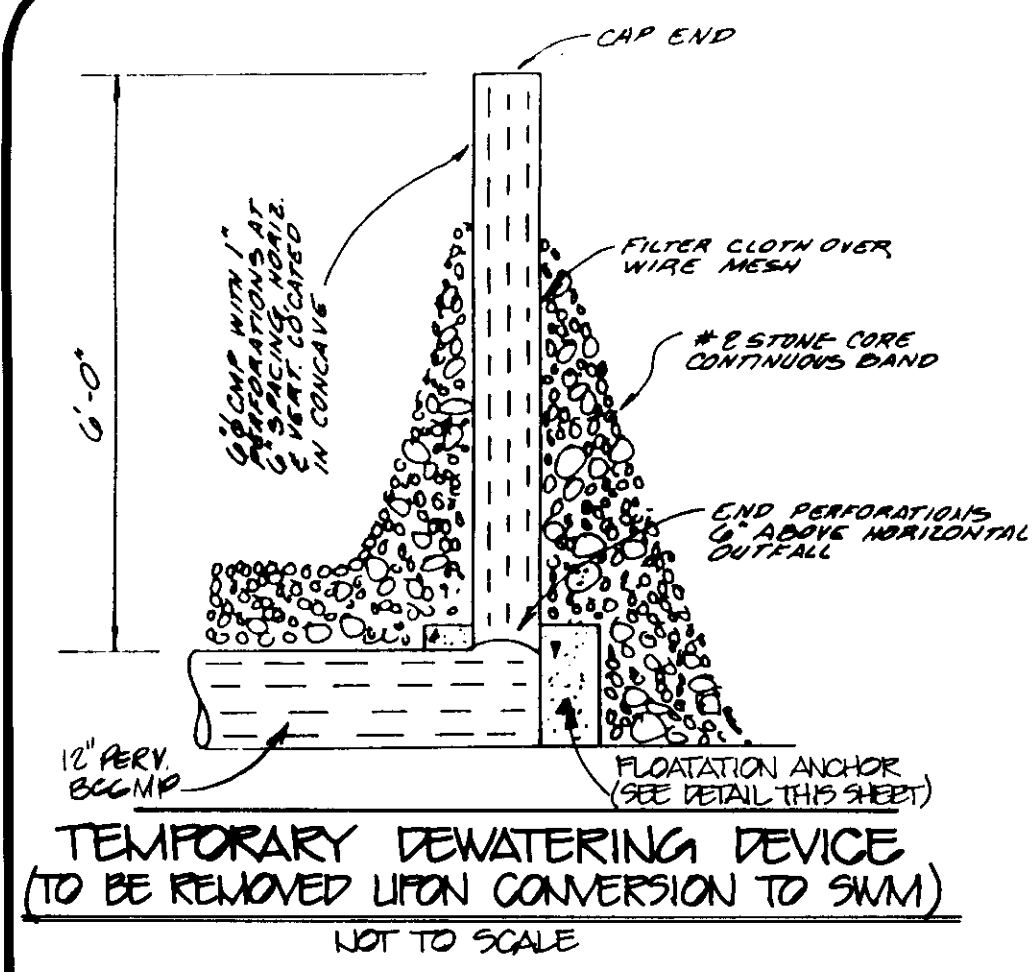


OWNER/DEVELOPER
 MANGIONE ENTERPRISES OF TURF VALLEY
 1205 YORK ROAD - PENTHOUSE SUITE
 LUTHERVILLE, MARYLAND 21033
 (410) 825-8200
 ATTN: MR. LOUIS MANGIONE

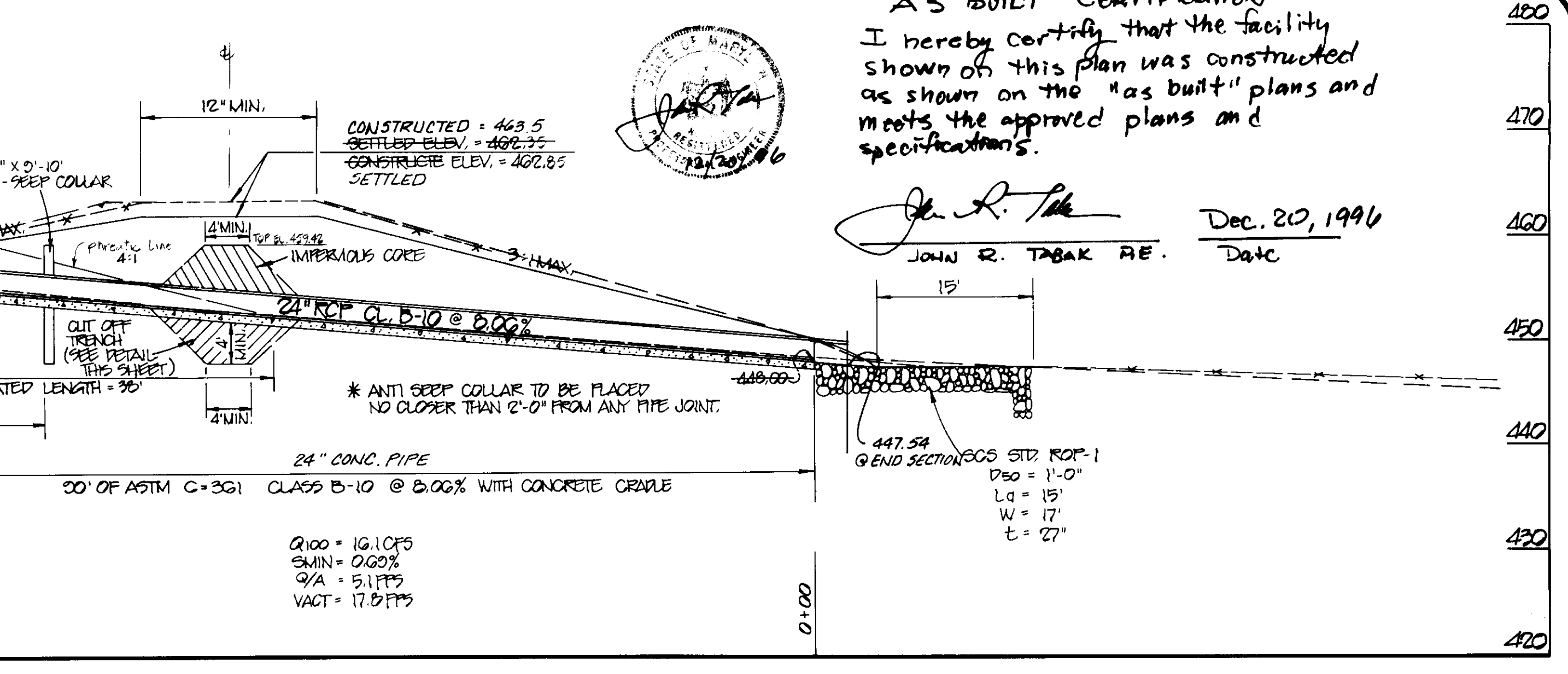
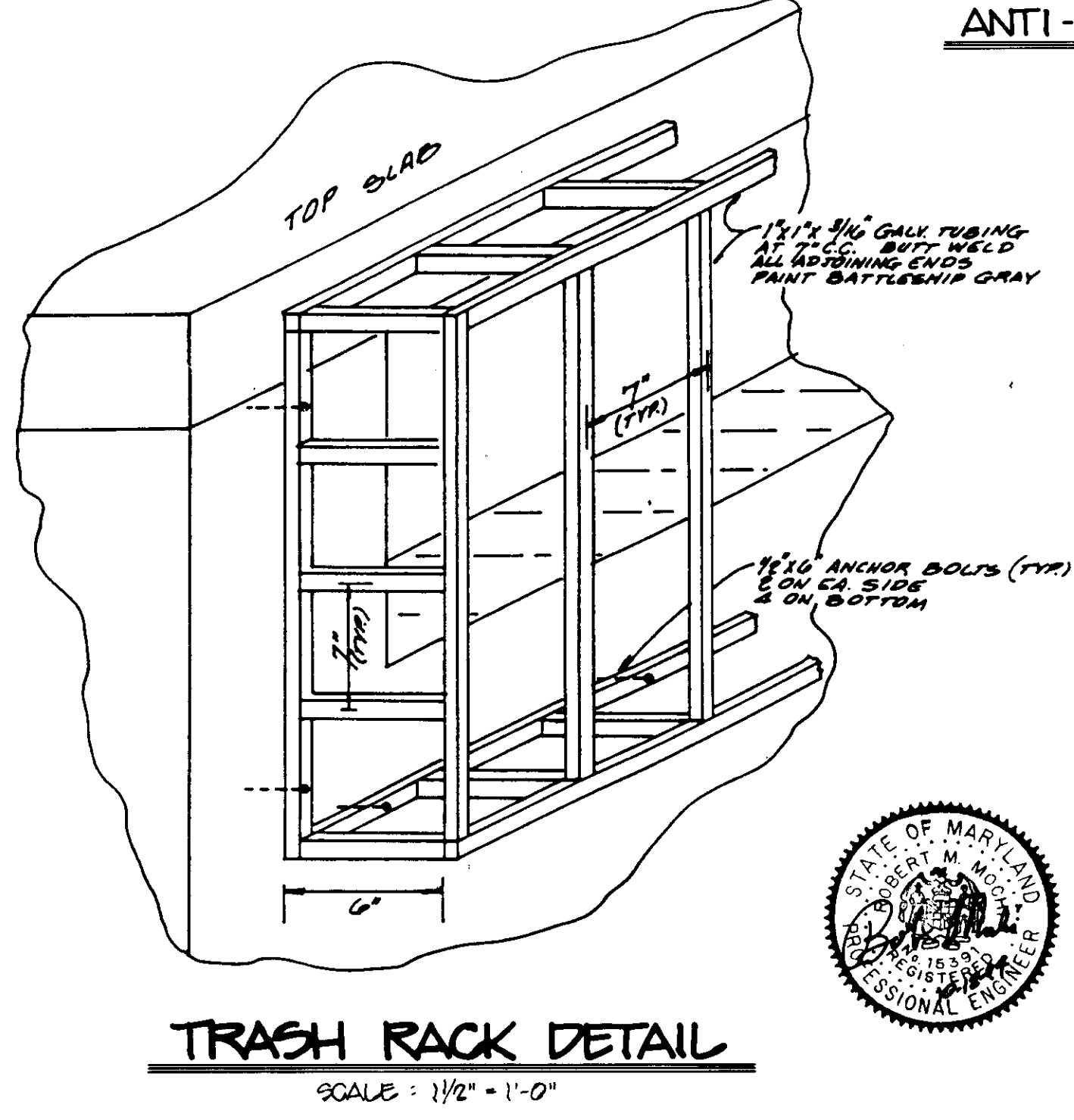
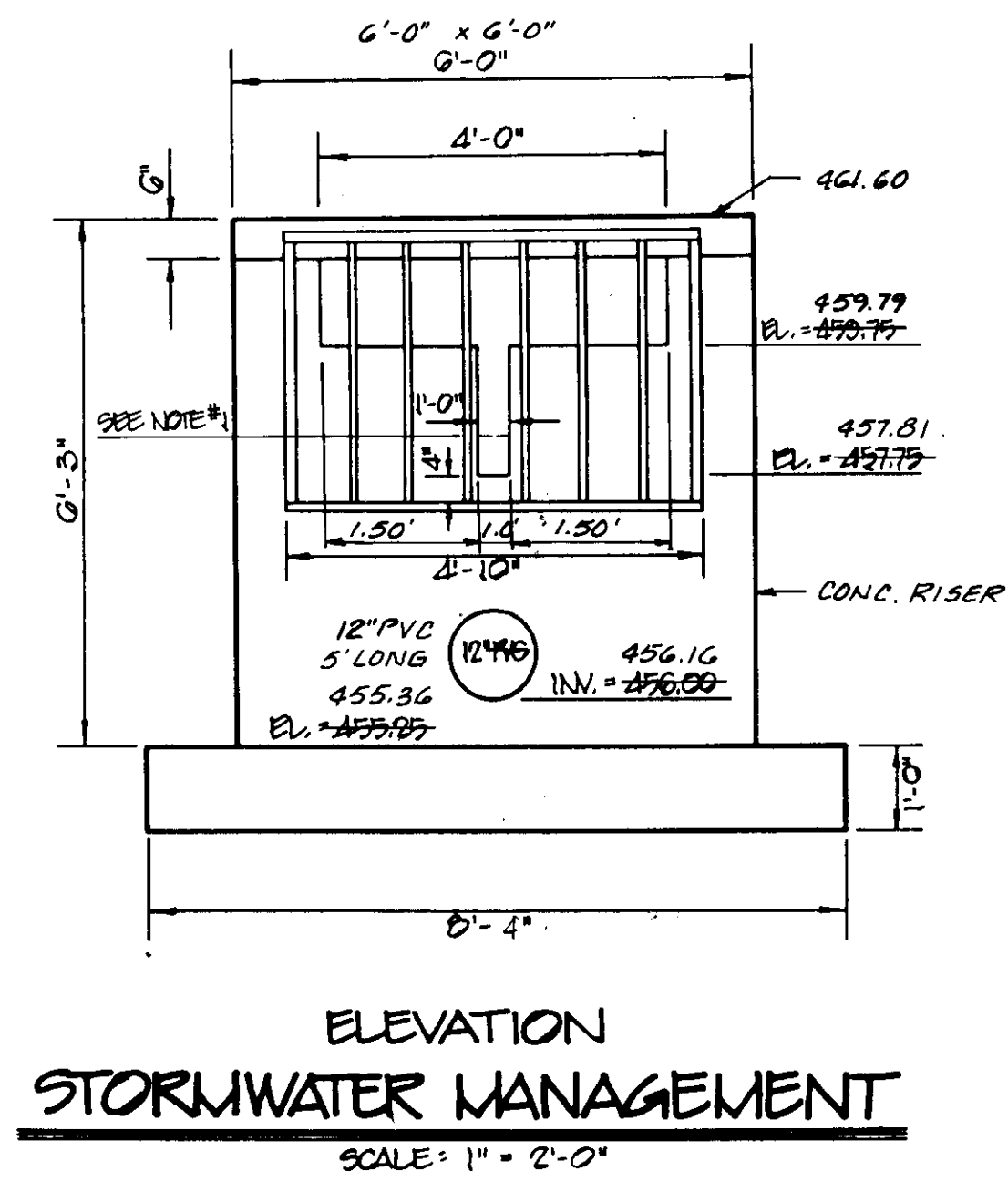
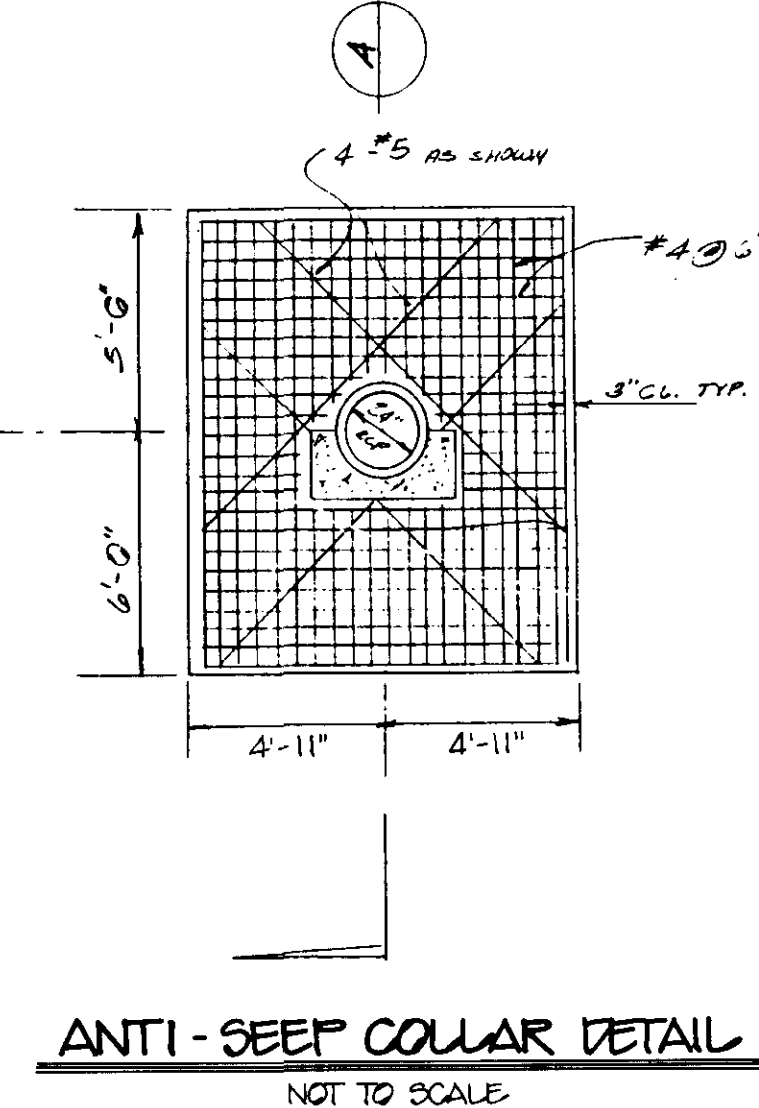
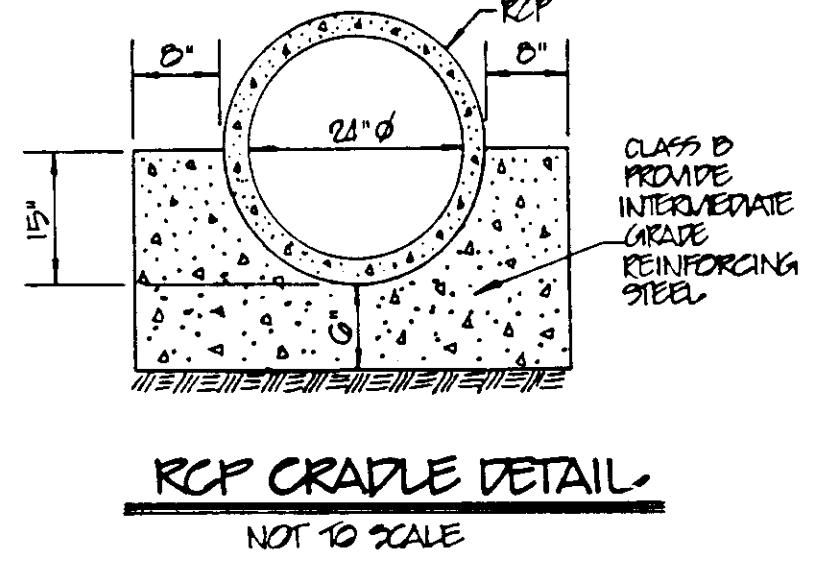
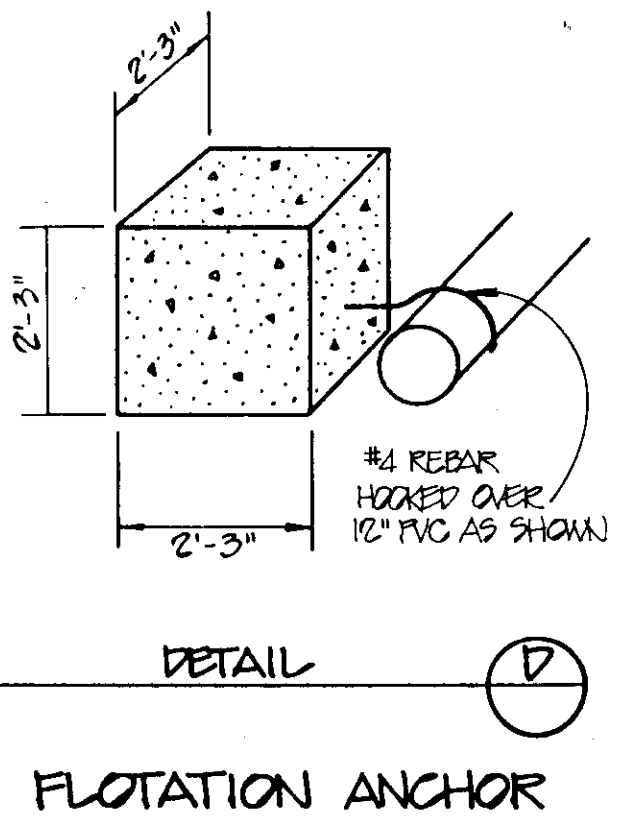
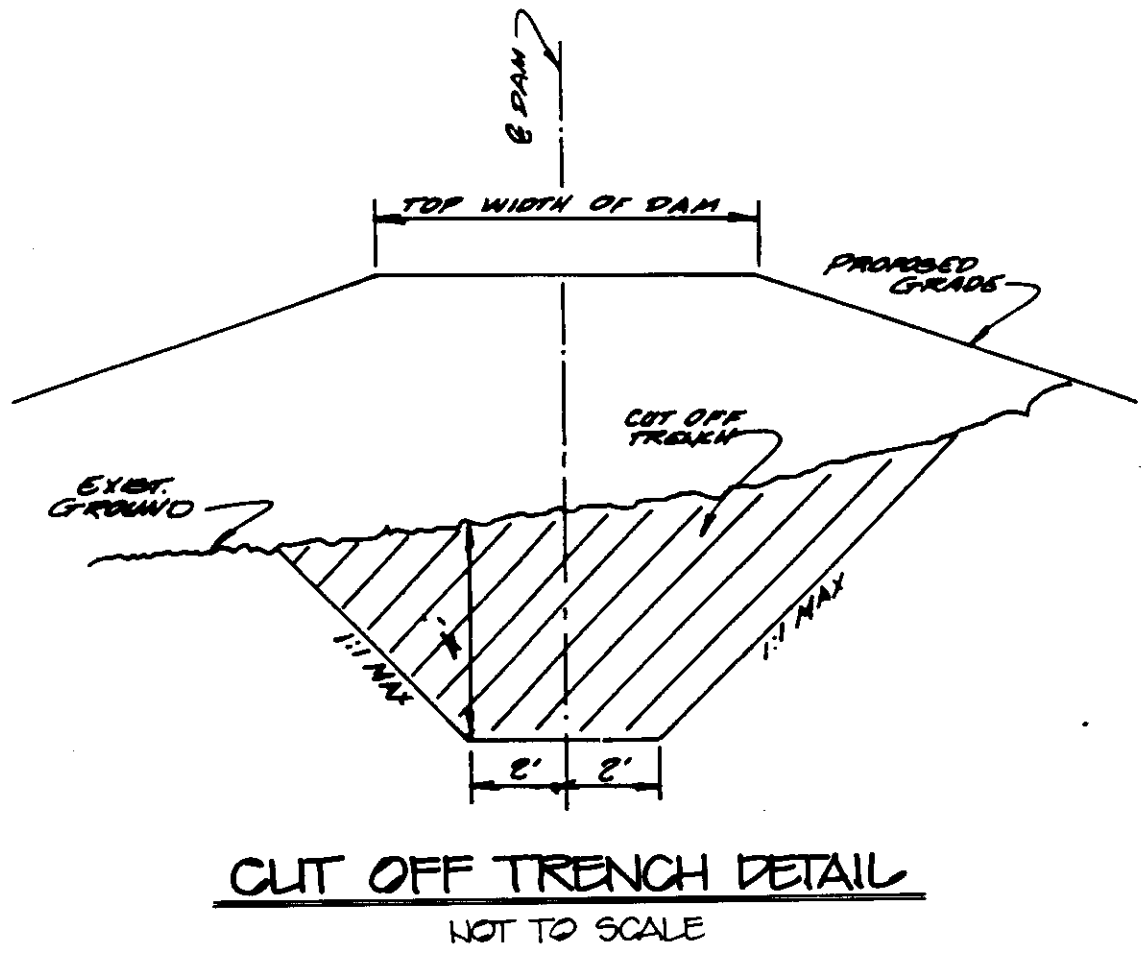
ENGINEER/SURVEYOR
 MILDENBERG, MOCHI & ASSOCIATES, INC.
 3200 NORTH RIDGE ROAD, SUITE 225
 ELLACOTT CITY, MARYLAND 21043
 (410) 461-0078

PERMIT INFORMATION CHART

SUBDIVISION NAME		TURF VALLEY VILLAS - PHASE 1A			
SECT./AREA		SUBDISTRICT PGCC - 3 & PGCC - 2			
3	LOT/PARCEL #	LIBER & FOLIO	PREVIOUS FILE:		
	3D/#8 (PART OF PARCEL #8)	L 920 F. 285	S-90-15; WP-90-32 S-86-13; FDP PGCC-2/PGCC-3		
PLAT No.	BLOCK No.	ZONE	TAX MAP	ELEC. DIST.	CENSUS
3054A-1079	16	PGCC	16	3rd	6030
WATER CODE		SEWER CODE			
HO G		500-2500			
SCALE: AS SHOWN		DATE: DECEMBER 7, 1993			



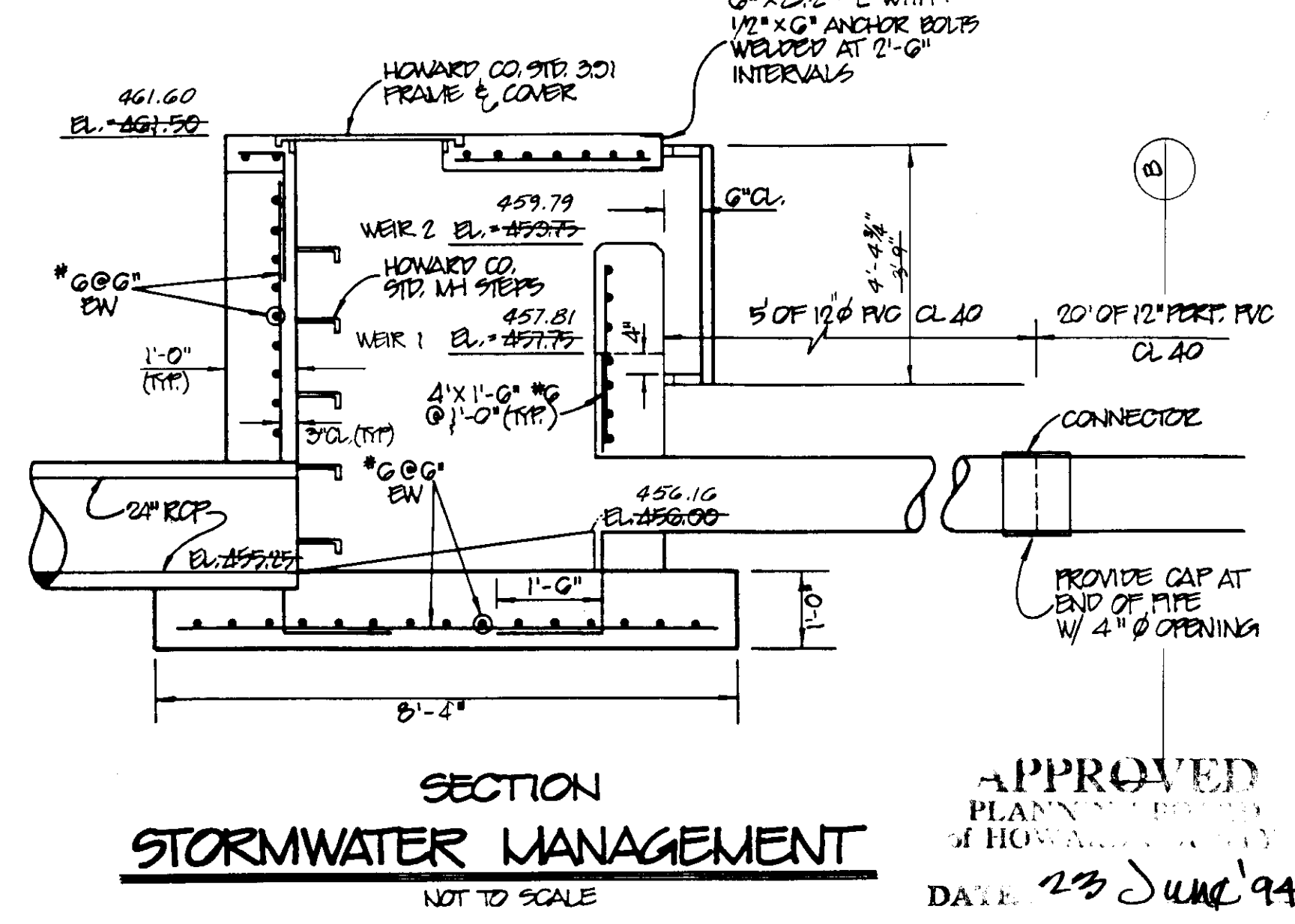
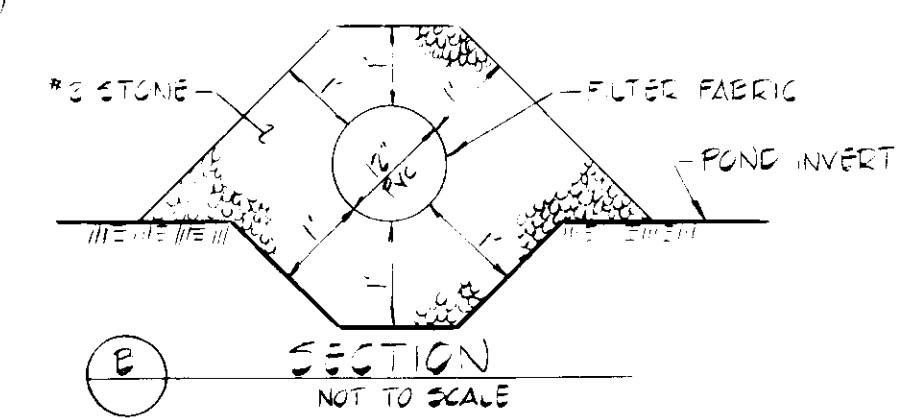
- NOTES:
- Center of impervious fill on centerline of dam.
 - Impervious fill shall meet U.S. Classification CL or SC.
 - Compact to 95% of AASHTO T-99 density.
 - Side slopes shall be 1 to 1 (1:1) or flatter.
 - Trench shall extend along centerline of fill to minimum depth of 4 feet below existing grade.
 - Cutoff trench to extend 4 feet below all pipes structures, etc.



STRUCTURE SCHEDULE

NUMBER	TYPE	LOCATION	INV. IN	INV. OUT	* TOP ELEV
I-1	"K" SD 4.12	STA. 6 + 15 O/S 18' L	460.56	460.46	463.5
I-2	"S" SD 4.34	STA. 2 + 33 O/S 12' L	479.21	478.96	485.50
I-3	"S" SD 4.34	STA. 2 + 33 O/S 12' R	--	479.41	485.50
M-1	G 5.12	N = 533,724.88 E = 831,780.74	476.56	476.46	485.00
ES-1	SD 5.51	N = 533,948.59 E = 831,775.57	474.5	--	--
ES-2	SD 5.51	N = 533,963.29 E = 831,738.37	--	475.75	--
ES-3	SD 5.51	N = 530,016.70 E = 831,290.14	--	456.0	--
ES-4	SD 5.51	N = 533,074.72 E = 830,029.04	--	447.34	--
HW-1	SD 5.21	STA. 3 + 02 O/S 23' R	--	446.0	448.25
HW-2	SD 5.21	STA. 3 + 06 O/S 17' L	450.5	--	452.75

* Top elevation for manhole = Rim elevation
Top elevation for inlets = Grate elevation
Top elevation for headwalls = Top of wall



- NOTES:
- Concrete shall be MSHA Mix #3 (fc ≥ 3,000 psi)
 - Reinforcing steel: Grade 60
 - Face forms for walls of outlet structure shall utilize L.M. Scofield Co. T-9055 form liners (Random split-face rock). (OPTIONAL)
 - Provide rough broom finish on top of slab.
 - Anchor bolts shall be installed in accordance with Sect. 6.07.03.59 of the MSHA Sids. and Specs.
 - All exposed metal surfaces shall be painted in accordance with Sect. 6.07.03.60 of the MSHA Sids. and Specs.
 - All reinforcing splices shall be lap splices of 30 bar diameters unless shown otherwise.
 - All filter fabric shall be Poly-filter X or equivalent.
 - All exposed edges of concrete to be chamfered 1/2" x 1/2".

AS BUILT CERTIFICATION
I hereby certify that the facility shown on this plan was constructed as shown on the "as built" plans and meets the approved plans and specifications.

John R. Tabak RE. Dec. 20, 1994

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Director: [Signature] 11/14/94
Date: 11/14/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
Chief: [Signature] 11/14/94
Date: 11/14/94

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER & SEWERAGE SYSTEMS
County Health Officer: [Signature] 11/14/94
Date: 11/14/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
Director: [Signature] 10/25/94
Date: 10/25/94

APPROVED: THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
Howard Soil Conservation District: [Signature] 10/25/94
Date: 10/25/94

APPROVED: THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
U.S. Soil Conservation Service: [Signature] 10/25/94
Date: 10/25/94

ENGINEER'S CERTIFICATE
I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the HOWARD SOIL CONSERVATION DISTRICT. I have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 10/25/94
Date: 10/25/94

DEVELOPER'S CERTIFICATE
I hereby certify that all development and/or construction will be done according to these plans and that any responsible personnel involved in the construction project will have a certificate of attendance at a department of the environment approved training program for the control of sediment and erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 10/25/94
Date: 10/25/94

PROJECT: 89050.11
DATE: DEC. 93
ILLUSTRATION: JBM
SCALE: AS SHOWN
APPROVAL: JBM

2" x 24" SUBMITTAL TO DPW
1" x 11" SUBMITTAL TO DPZ

DATE: 12/17/93

NO. 1

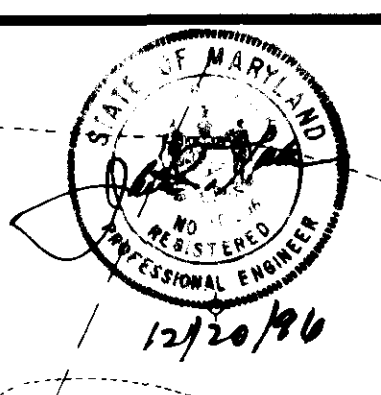
SUBDISTRICT PGCC - 3 and PGCC - 2
TURF VALLEY VILLAS - PHASE 1A
ELECTION DISTRICT No. 3
HOWARD COUNTY, MARYLAND
STORMWATER MANAGEMENT NOTES AND DETAILS

MILDENBERG, MOCH & ASSOCIATES, INC.
3300 North Ridge Road, Suite 255, Ellicott City, Maryland 21043-3350
(410) 461-0078 FAX: (410) 750-6340

6 OF 9

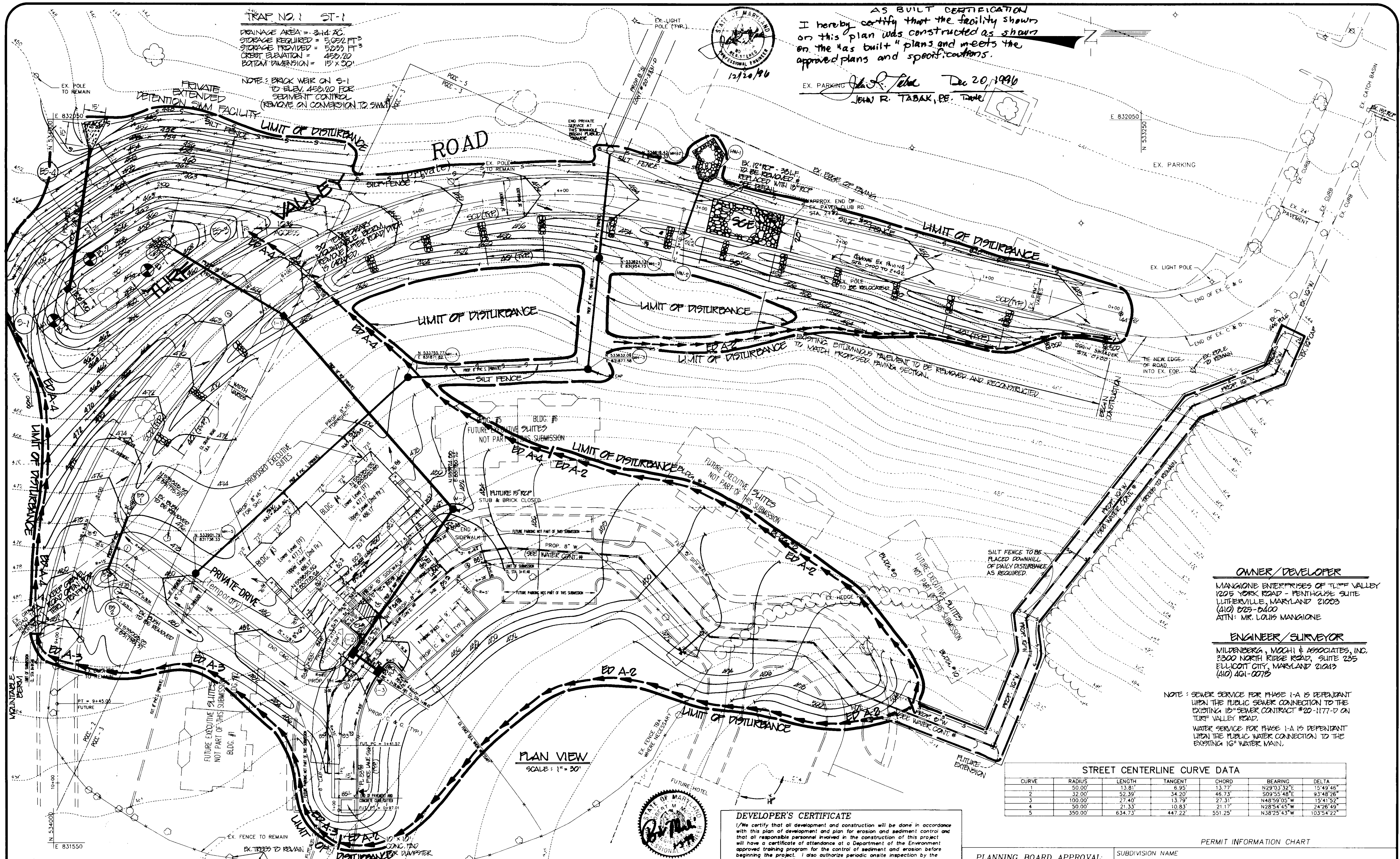
TRAP NO. 1 ST-1
 DRAINAGE AREA = 3.14 AC
 STORAGE REQUIRED = 5,000 FT³
 STORAGE PROVIDED = 5,200 FT³
 CREST ELEVATION = 458.20
 BOTTOM DIMENSION = 15' x 30'

NOTE: BRICK WORK ON S-1 TO BE ELEV. 458.20 FOR SEWAGE CONTROL REMOVE ON CONVERSION TO SIMULATED



AS BUILT CERTIFICATION
 I hereby certify that the facility shown on this plan was constructed as shown on the "as built" plans and meets the approved plans and specifications.

EX. PARKING *John R. Tabak* Dec 20, 1996
 JOHN R. TABAK, PE, DATE



OWNER/DEVELOPER
 MANGIONE ENTERPRISES OF TURF VALLEY
 1205 YORK ROAD - PENTHOUSE SUITE
 LUTHERVILLE, MARYLAND 21033
 (410) 625-0400
 ATTN: MR. LOUIS MANGIONE

ENGINEER/SURVEYOR
 MILDENBERG, MOCHI & ASSOCIATES, INC.
 3300 NORTH RIDGE ROAD, SUITE 235
 ELLICOTT CITY, MARYLAND 21043
 (410) 401-0075

NOTE: SEWER SERVICE FOR PHASE 1-A IS DEPENDANT UPON THE PUBLIC SEWER CONNECTION TO THE EXISTING 10" SEWER CONTRACT #20-1177-D ON TURF VALLEY ROAD.
 WATER SERVICE FOR PHASE 1-A IS DEPENDANT UPON THE PUBLIC WATER CONNECTION TO THE EXISTING 10" WATER MAIN.

STREET CENTERLINE CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
1	50.00'	13.81'	6.95'	13.77'	N29°03'32"E	15°49'46"
2	52.00'	52.35'	34.20'	48.73'	S09°55'48"E	93°48'26"
3	100.00'	27.40'	13.79'	27.31'	N48°59'05"W	154°5'2"
4	50.00'	21.33'	10.83'	21.17'	N28°54'45"W	24°26'49"
5	350.00'	634.73'	447.22'	551.25'	N38°25'43"W	103°54'22"

DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this project will have a certificate of attendance at a Department of the Environment approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.

Louis Mangione 12/10/93
 Signature of Developer Date

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 County Soil Conservation District.

Paul Mochi 1-3-99
 Date

PLANNING BOARD APPROVAL:

PERMIT INFORMATION CHART
 SUBDIVISION NAME
TURF VALLEY VILLAS - PHASE 1A
 SUBDISTRICT PGCC - 3 & PGCC - 2

SECT./AREA	LOT/PARCEL #	LIBER & FOLIO	PREVIOUS FILE:		
3	3D/#8 (PART OF PARCEL #8)	L 920 F. 285	S-90-15, WP-90-32 S-86-13, FDP PGCC-2/PGCC-3		
PLAT No.	BLOCK No.	ZONE	TAX MAP	ELEC. DIST.	CENSUS
3054A-1079	16	PGCC	16	3rd	6030
WATER CODE	SEWER CODE	DATE:			
H0 G	500-2500	DECEMBER 7, 1993			
SCALE:	DATE:				
1" = 30'	DECEMBER 7, 1993				

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
Blaise Zelman 12/24/94
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
Patricia Egan 12/24/94
 U. S. SOIL CONSERVATION SERVICE DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
James Smith 11/4/94
 DIRECTOR DATE
Quinn Arumants 11/4/94
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
James J. Shaw 12/24/94
 DIRECTOR DATE
Paul J. Seaton 10/25/94
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER & SEWERAGE SYSTEMS
 COUNTY HEALTH OFFICER DATE

PROJECT: 89050-11
 DATE: DEC. 93
 ILLUSTRATION: CAM
 SCALE: 1" = 30'

NO. 0
 DESCRIPTION: 2nd SUBMITTAL TO DPZ
 DATE: 4/94
 REVISIONS: 1st SUBMITTAL TO DPZ
 DATE: 12/7/93

SUBDISTRICT PGCC - 3 and PGCC - 2
TURF VALLEY VILLAS - PHASE 1A
 ELECTION DISTRICT No. 3
 HOWARD COUNTY, MARYLAND
 EROSION / SEDIMENT CONTROL PLAN

MILDENBERG, MOCHI & ASSOCIATES, INC.
 ENGINEERS - SURVEYORS
 3300 NORTH RIDGE ROAD, SUITE 235
 ELLICOTT CITY, MARYLAND 21043-3350
 (301) 461-0075 FAX: (301) 621-5766

