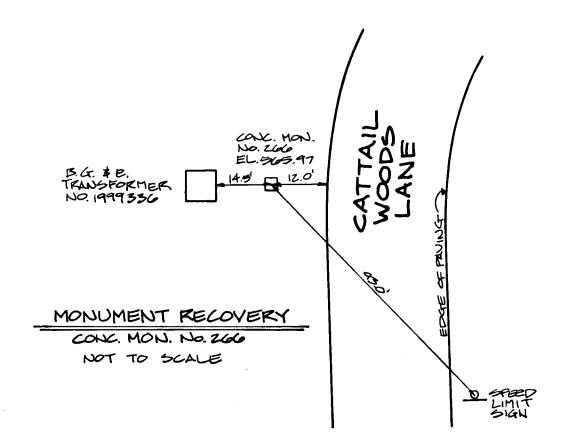
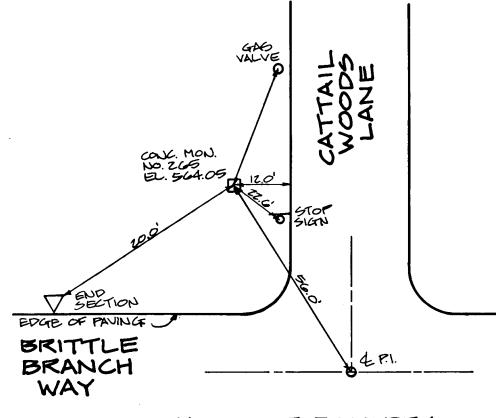
# GENERAL NOTES

- 1. All construction shall be in accordance with the latest standards and specifications of Howard County, plus MSHA standards and specifications, if applicable.
- 2. The contractor shall notify the Capartment of Public Works/Bureau of Construction Inspection at (410) 313—1880 at least 24 hours prior to the start of work.
- 3. The contractor shall notify "Miss Utility" at 1 800-257-7777 at least 48 hours prior to any excavation work.
- 4. Project Backround : Location : Tax Map 7 - Parcel 5 Zoning: RC 4th Election District
  Section 2 Total Tract Area: 192.4 Ac. Section Area: 51.00 Ac. Number of Proposed Lots: 11 Cluster, 1 Preservation Parcel. Date Preliminary Plan Approved : October 17, 1994 DPZ Reference #: S-94-27, F-94-60, WP-94-77, P-95-02
- 5. Traffic control devices, markings, and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of
- 6. Topographic Survey of proposed Roadway, Right-of-Way, and Sewerage easement areas was prepared by TSA Group, Inc. November, 1993 Remaining areas are supplemented by 1"=200' scale Howard County Topographic Maps. Contour interval is 2 feet.
- 7. Howard County monuments BM 08GA and BM 08GB used for horizontal datum
- Nad 83. Monument 3631002 was used for vertical datum Nad 27 8. Water and Sewer for this subdivision is private. A percolation certification
- plan has been approved by the Health Department, dated 9/7/94. 9. Stormwater Management will be provided through extended detention.
- 10. Floodplain Study compiled by TSA Group, Inc., 3/94. Reference number F-94-60.
- 11. Wetlands Delineation Study compiled by M.A. Dricks & Co. dated 8/16/94.
- 12. Traffic Study compiled by Lee Cunningham & Associates, Inc. dated 11/1/94.
- 13. Noise Study not required for this project.
- 14. Geotechnical Report compiled by Hillis-Carnes & Associates, dated June 1994.
- 15. Unless noted as "private", all easements are public.
- 16. No clearing, grading or construction is permitted within wetlands, wetland buffers, stream buffers or forest conservation areas.
- 17. Forest Conservation Plan by M.A. Dricks & Co. dated 7/21/94, Forest Conservation Easements are located outside areas impacted by construction activities.

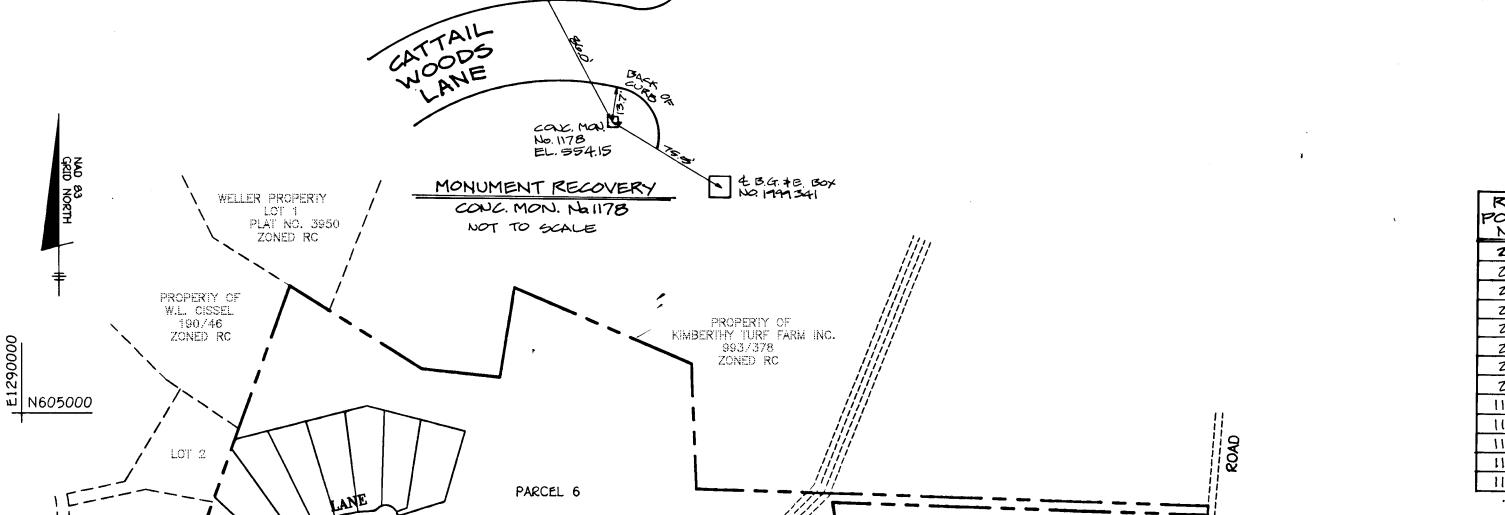


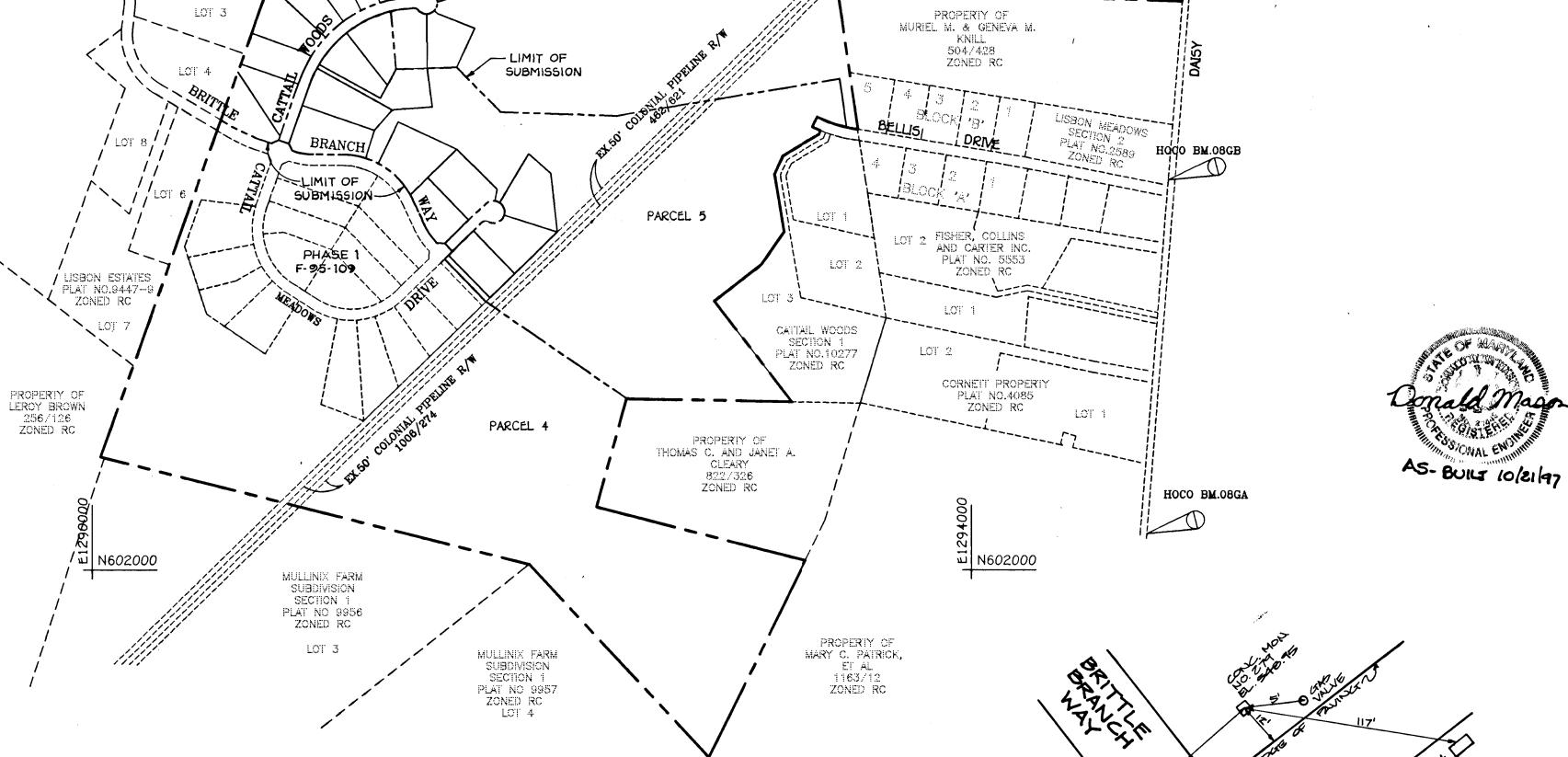


ROADWAYS, STORM DRAINAGE AND STORMWATER MANAGEMENT

# CATTAIL WOODS SECTION 2

(PHASE 2 CONSTRUCTION) 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND





# BENCH MARKS (NAD83)

HO. CO. #08GA

CONC. MONUMENT LOCATED ON THE SOUTH-EASTERN SHOULDER OF THE INTERSECTION OF DAISY ROAD BOKA VALLEY COURT. £ 1294794.856

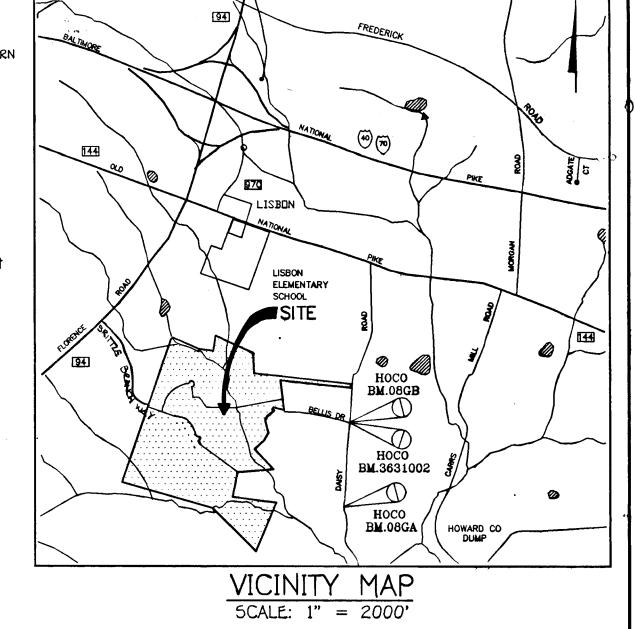
HO. CO. #08GB

CONC. MONUMENT LOCATED ON THE NORTH-WEST SHOULDER OF THE INTERSECTION OF DAISY ROAD AND BELLIS DRIVE.

N 603764.8085 E 1294891.851

BENCH MARKS (NAD27) HO. CO. #3631002 ELEV = 569.674 ft

3/4" REBAR LOCATED ON THE NORTH-WEST SHOULDER OF THE INTERSECTION OF DAISY ROAD AND BELLIS DRIVE.



K/27 2020	DESKIPTIONS	ELEV.
265	CONC. MON.	56A.05
Udo	conc. Mon.	565.97
271	REBAR \$ CAP	565.00
272	REBAR \$ CAP	563.51
279	CONC. MON.	548.95
Z80	REBAR \$ CAP	543.02
281	REBAR \$ CAP	543,49
Z83	REBAR & CAP	542.77
1134	REBAR & CAP	549.72
1172	REBAR & CAP	544.70
1174	REBAR \$ CAP	543.62
1176	REBAR \$ CAP	543.76
1178	CONG. MON.	544.15

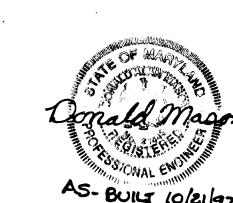
	SHEET INDEX
NO.	DESCRIPTION
1	TITLE SHEET
2	ROAD PLAN CATTAIL WOODS LANE
3	ROAD PLAN CATTAIL MEADOWS DRIVE
4	ROAD PROFILES AND DETAILS
5	DRAINAGE AREA MAP
6	GRADING AND SEDIMEN <b>T</b> CONTROL PLAN
7	GRADING AND SEDIMENT CONTROL PLAN, NOTES AND DETAILS
8	STORM DRAIN PROFILES, STORMWATER MANAGEMENT, NOTES AND DETAILS
9	STORMWATER MANAGEMENT NOTES AND DETAILS
10	LANDSCAPE PLAN

8-30-95

DATE

DRAWING  $\frac{1}{}$  OF

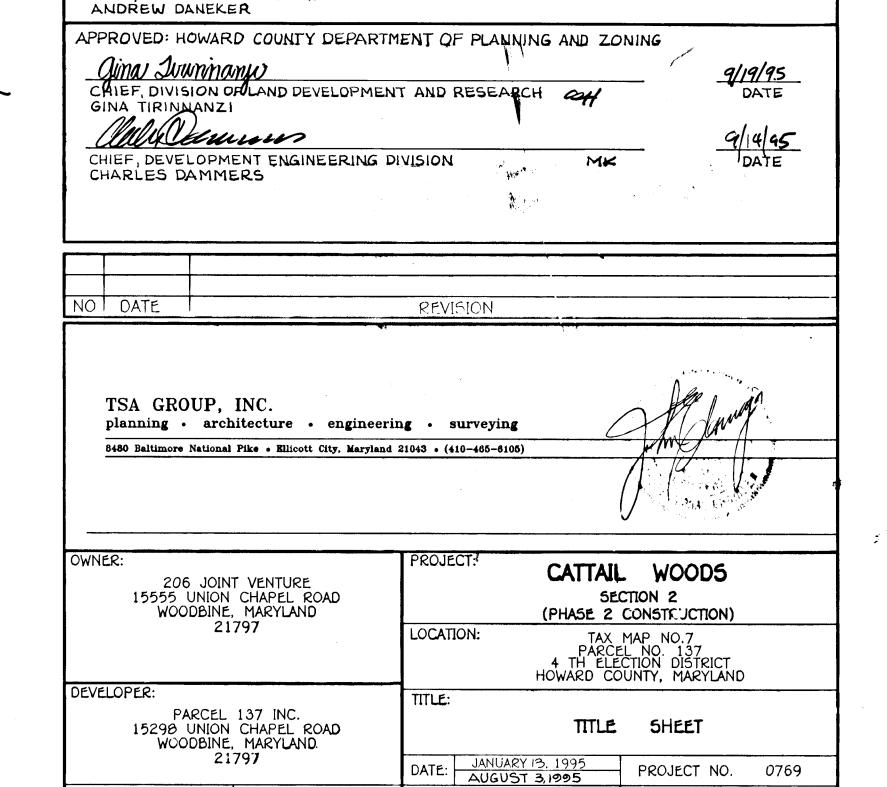
F- 95-108



MONUMENT RECOVERY

CONC. MON. NO. 279

NOT TO SCALE



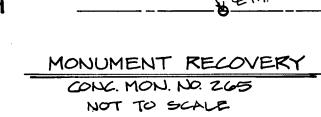
SCALE: AS SHOWN

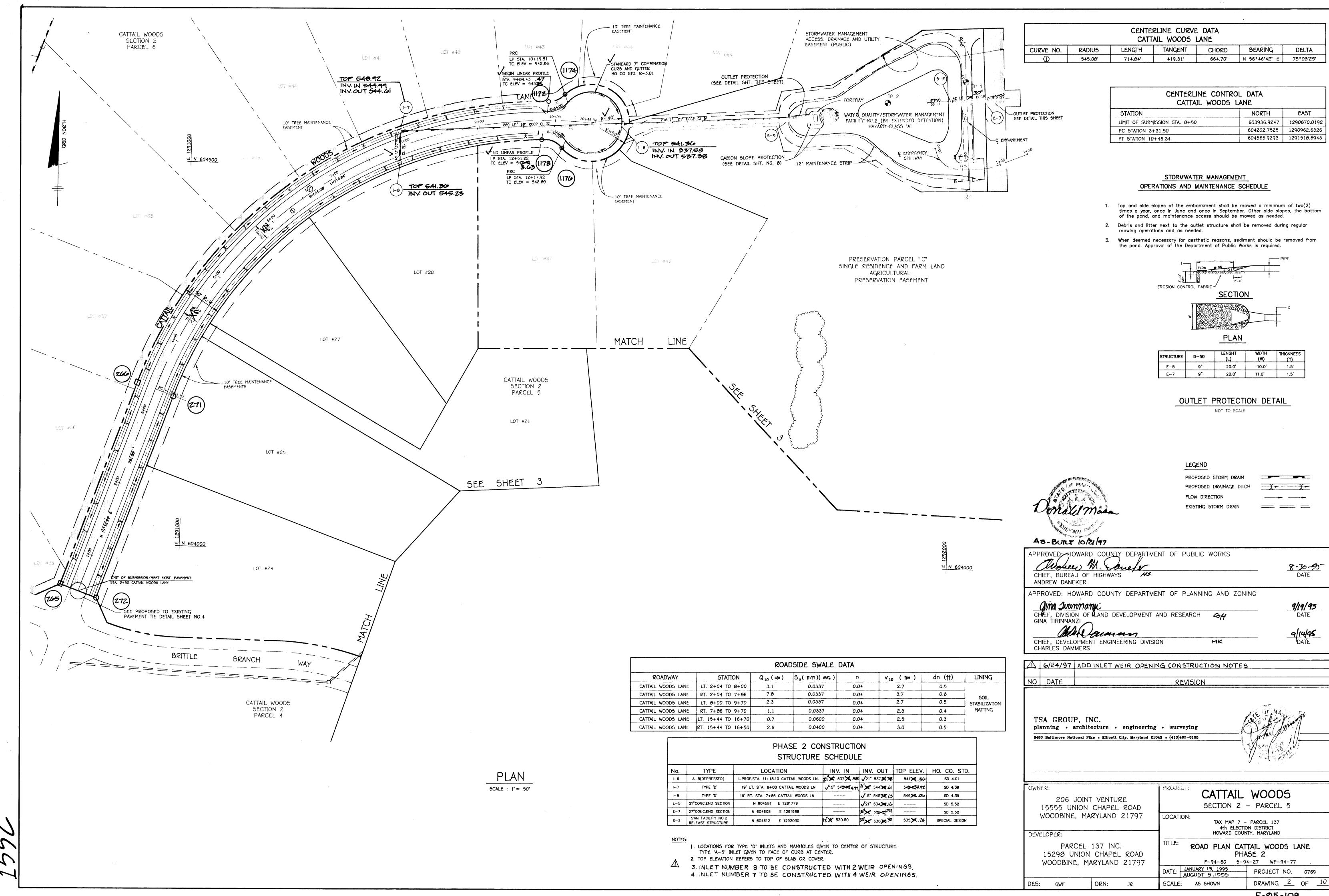
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF HIGHWAYS

DES: GWF

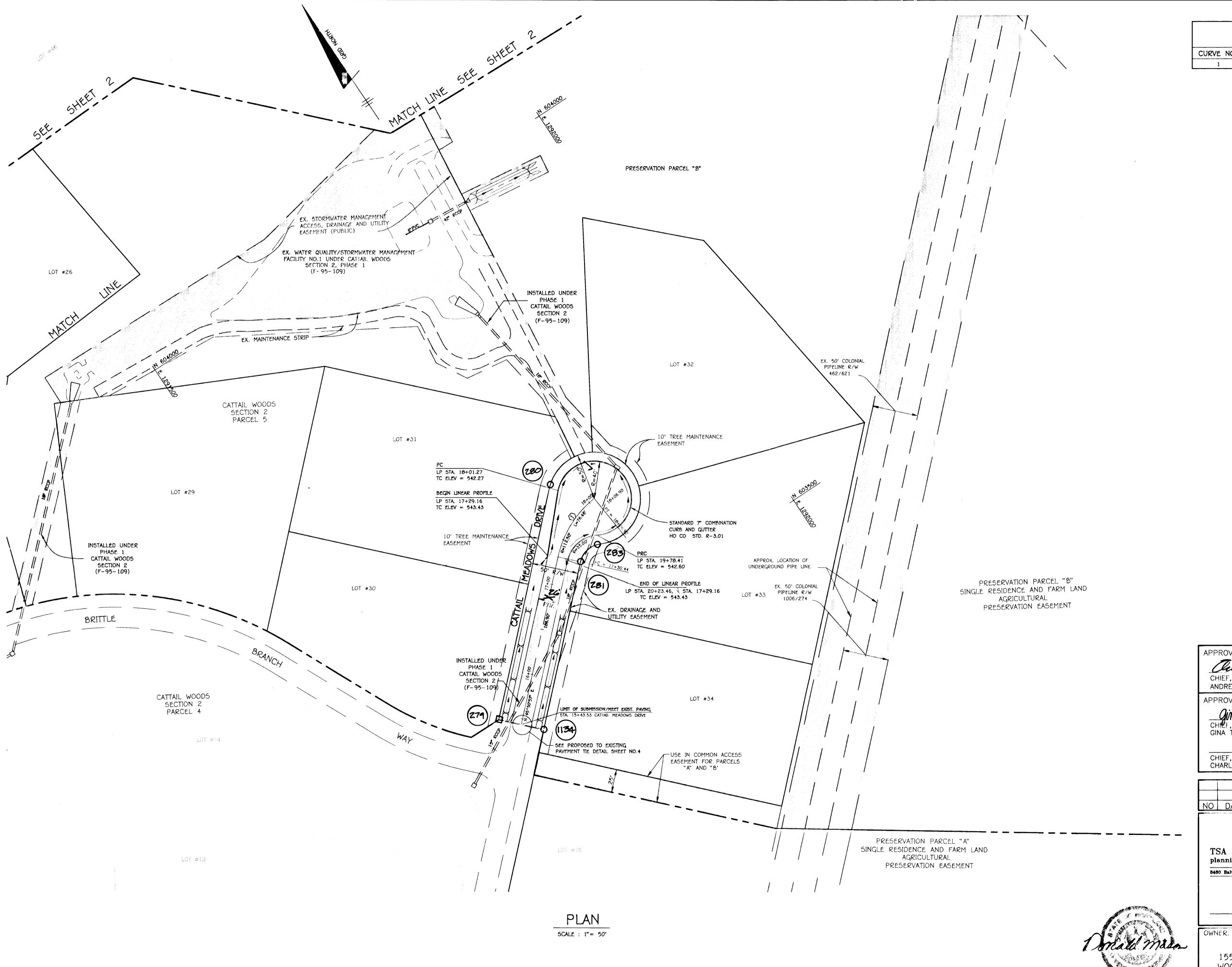
DRN: JR





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			RLINE CURVE IL MEADOWS			
CURVE NO.	RADIU5	LENGTH	TANGENT	CHORD	BEARING	DELTA
1	112.50'	76.46'	39.77'	75.00'	N 65°19'14" E	30° 56'33"

CENTERLINE CONT CATTAIL MEADOV		
STATION	NORTH	EA5T
LIMIT OF SUBMISSION STA. 15+43.53	603459.791	1291618.140
PC STATION 17+30.44	603589.980	1291752.246
END OF CUL-DE-SAC STA. 10+06.90	603621.296	1291820.396

en apara de la composiçõe de paragrapa de paragrapa de la composiçõe de la

LEGEND

EXISTING STORM DRAIN PROPOSED DRAINAGE DITCH FLOW DIRECTION

X - X -

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 8-30-95 CHIEF, BUREAU OF HIGHWAYS ANDREW DANEKER APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH CHIEF GINA TIRINNANZI 9/19/95

CHIEF, DEVELOPMENT ENGINEERING DIVISION CHARLES DAMMERS 9/14/95\_

NO DATE REVISION

TSA GROUP, INC. planning • architecture • engineering • surveying 8480 Baltimore National Pike . Ellicott City, Maryland 21043 . (410)465-6105



CATTAIL WOODS 206 JOINT VENTURE SECTION 2 - PARCEL 5 15555 UNION CHAPEL ROAD WOODBINE, MARYLAND 21797 LOCATION: TAX MAP 7 - PARCEL 137 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND DEVELOPER:

PARCEL 137 INC.

DRN: JR

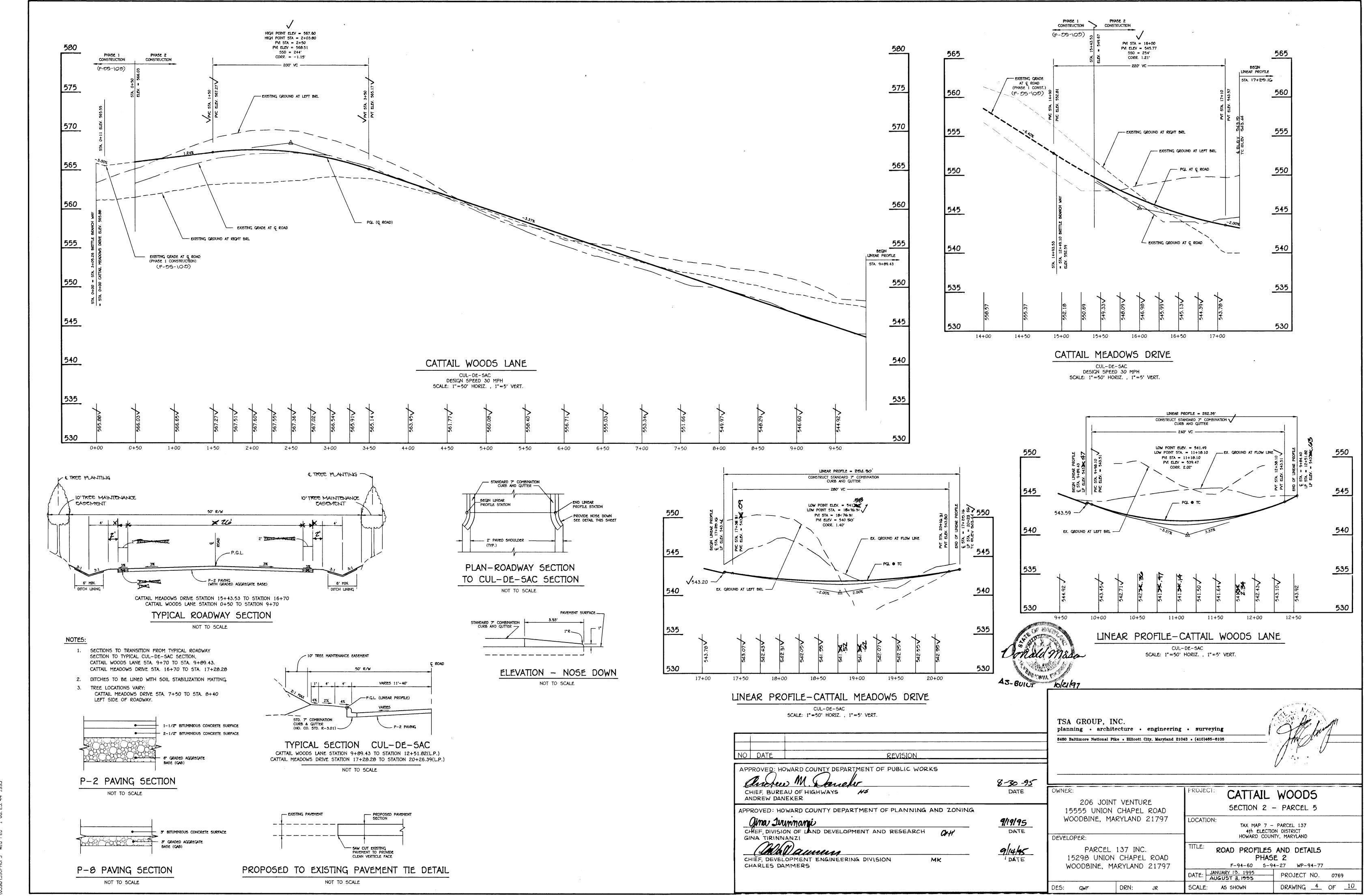
DES: GWF

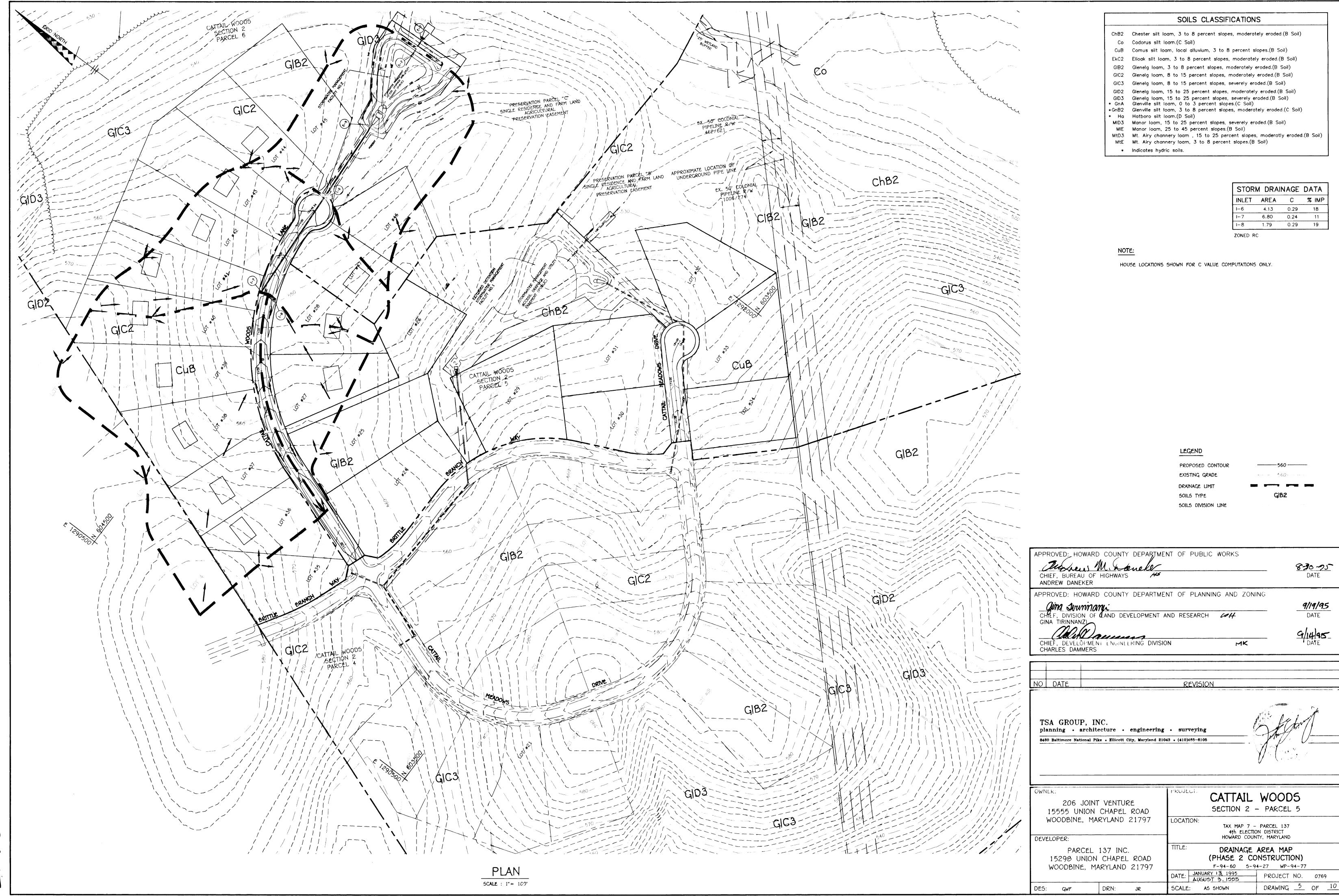
45-BUILT 10/21/97

TITLE: ROAD PLAN CATTAIL MEADOWS DRIVE PHASE 2 15298 UNION CHAPEL ROAD WOODBINE, MARYLAND 21797 F-94-60 5-94-27 WP-94-77 DATE: JANUARY 13, 1995 AUGUST 3, 1995 PROJECT NO. 0769

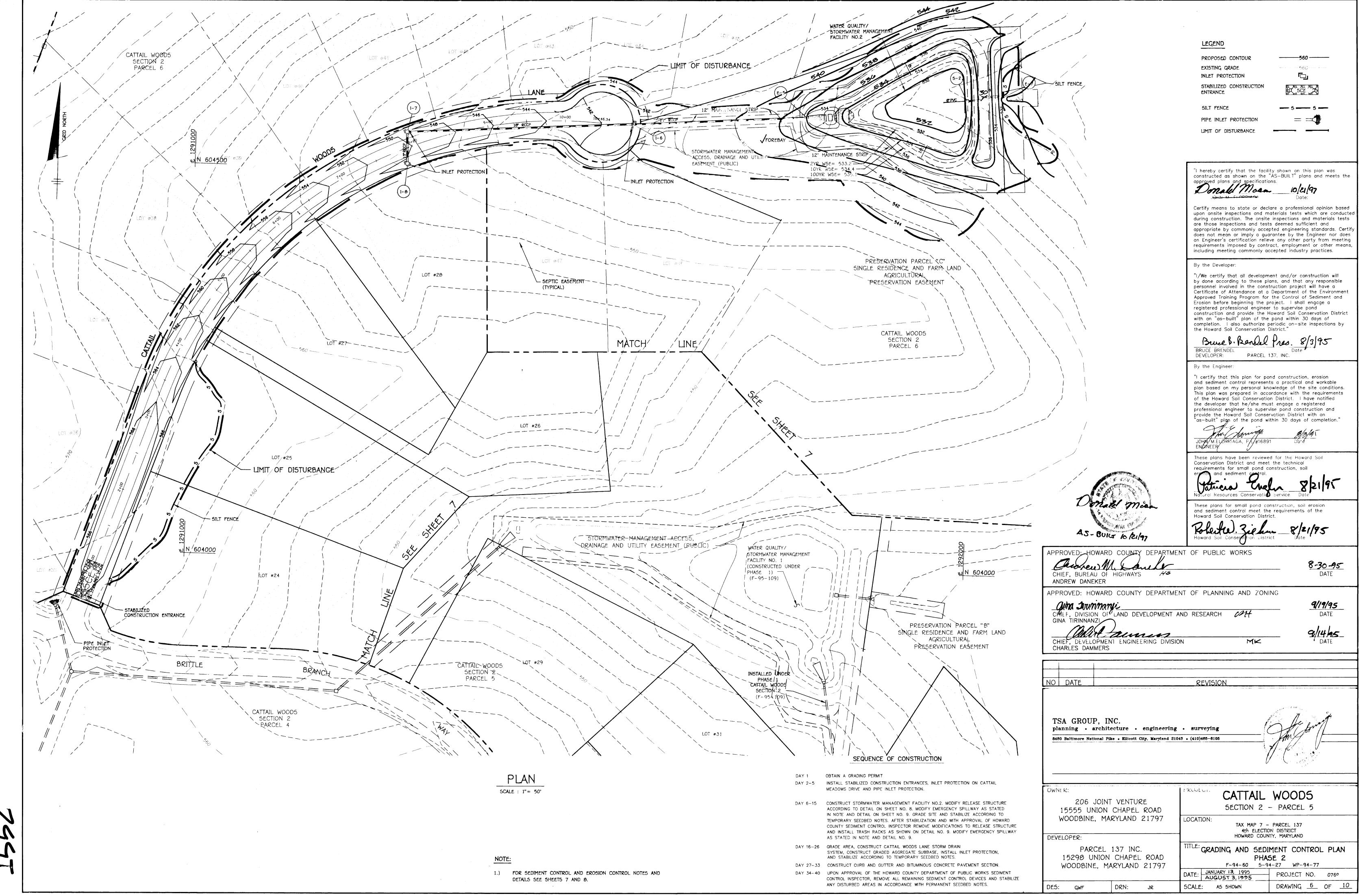
5CALE: AS SHOWN

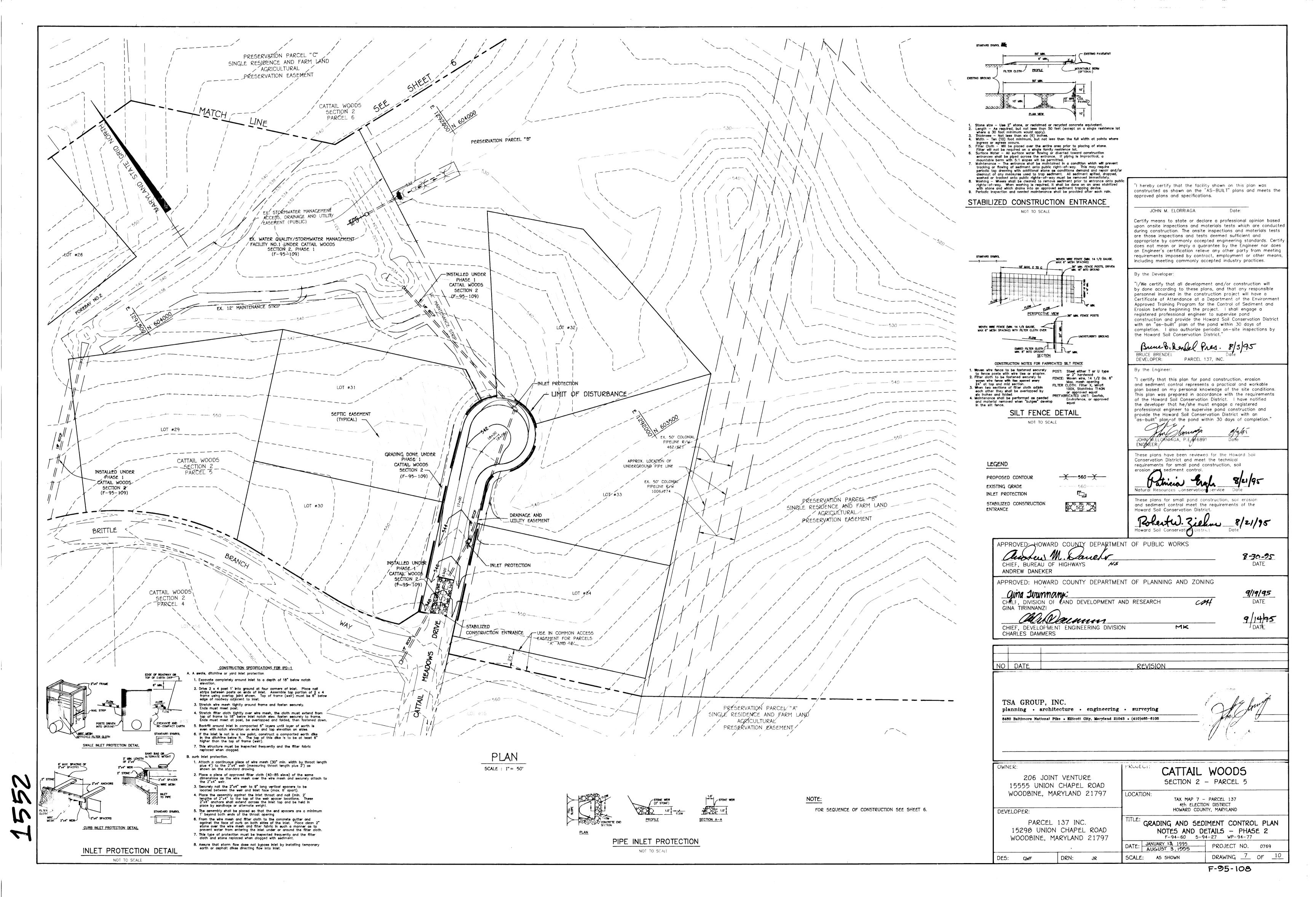
DRAWING  $\frac{3}{}$  OF  $\frac{10}{}$ F-95-108

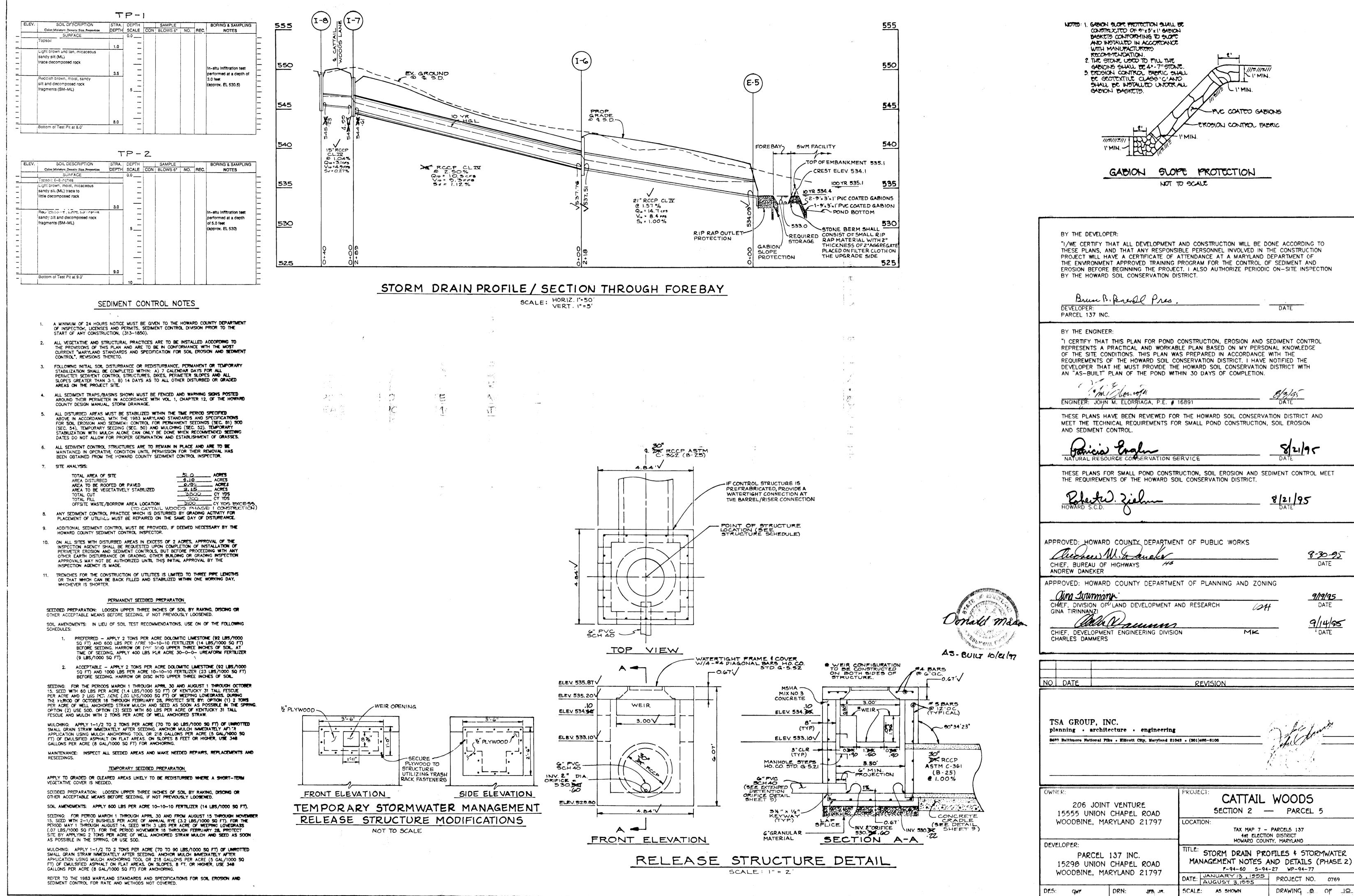




and the second s







Areas to be covered by the reservoir will be cleared of all trees, brush, logs, fences, 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 a 50 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.

### Earth Fill

Material — The fill material shall be taken from approved designated borrow areas. It shall be free of roots, stumps, wood, rubbish, stones greater than 6", frozen or other objectionable materials. Fill material for the center of the embankment and cut off 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.

Piacement — 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.

Compostion - 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 tired 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 backfill 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 Conduits

All pipes shall be circular in cross section.

Corrugated Metal Pipe - All of the following criteria 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 coatings or an approved equal may be used: Nexon, Plasti-Cote, Blac-Klad, and Beth-Cu-Loy. Coated corrugated steel pipe shall meet the requirements of AASHTO M-245 and M-246.

Materials — (Aluminum Coated 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. Aiuminum 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.

- 2. Coupling bands, anti-seep collars, end sections, etc., must be composed of the same material as the pipe. Metals must be insulated from dissimilar materials with use of rubber or plastic insulating materials at least 24 mils in thickness.
- Connections All connections with pipes must be completely watertight. The drain pipe or barrel connection to the riser shall be welded all around when the pipe and riser are metal. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight. Dimple 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 rerolled an adequate number of corrugations to accommodate the band width. The following type connections are acceptable for pipes less than 48" 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 circular neoprene gasket; and a 12" wide hugger type band with O-ring gaskets having a minimum diameter of 1/2" greater than the corrugation depth. Pipes 48" in diameter and larger shall be connected by a 24" long annular corrugated band using rods and lugs. A 12" wide by 3/8" thick closed cell circular neoprene gasket will be installed on the end of each pipe for a total of 24". Helically corrugated pipe shall have either continuously welded seams or have lock

- 4. Bedding The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.
- 5. Backfilling shall conform to "Structure Backfill."
- 6. 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. An approved equivalent is AWWA
- 2. 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 at least 10% of its outside diameter with a minimum thickness of 3 inches, or as shown on the
- 3. Laying pipe Bell and spigot pipe shall be placed with the bell end 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.
- 4. Backfilling shall conform to "Structure Backfill".
- Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings

Polyvinyl Chloride (PVC) Pipe - All of the following criteria shall apply for polyvinyl chloride (PVC) pipe:

- 1. Materials PVC pipe shall be PVC-1120 or PVC-1220 conforming
- 2. Joints and connections to 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 other unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.
- 4. Backfilling shall conform to "Structure Backfill"
- 5. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings

Concrete shall meet the requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction and Materials, Section 608, Mix No.

### Rock Riprap

All rock shall be dense, sound, and free from cracks, seams, and other defects conducive to accelerated weathering. The rock fragments shall be angular to subrounded in shape. The least dimension of an individual rock fragment shall be not less than one third the greatest dimension of the fragment.

The rock shall have the following properties:

when sodium sulfate is used.

- Bulk specific gravity (saturated surface—dry basis) not less
- 2. Absorption not more than three percent.
- 3. Soundness: Weight loss in five cycles not more than 20 percent

Bulk specific gravity and absorption shall be determined according to ASTM C 127. The test for soundness shall be performed according

The riprop shall be placed to the required thickness in one operation. The rock shall be delivered and placed in a manner that will insure the riprop in place shall be reasonably homogeneous with the 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

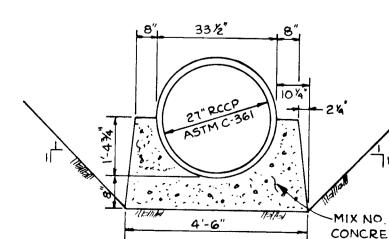
All work on permanent structures shall be carried out in areas free from water. The Contractor shall construct and maintain all temporary dikes, levees, cofferdams, drainage channels, and stream diversions necessary to protect the areas to be occupied by the permanent works. The contractor shall also furnish, install, operate, and maintain 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 constructing 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 allow 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 excavation at such locations which may require draining the water to sumps from which the water shall be pumped.

# Stabilization

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

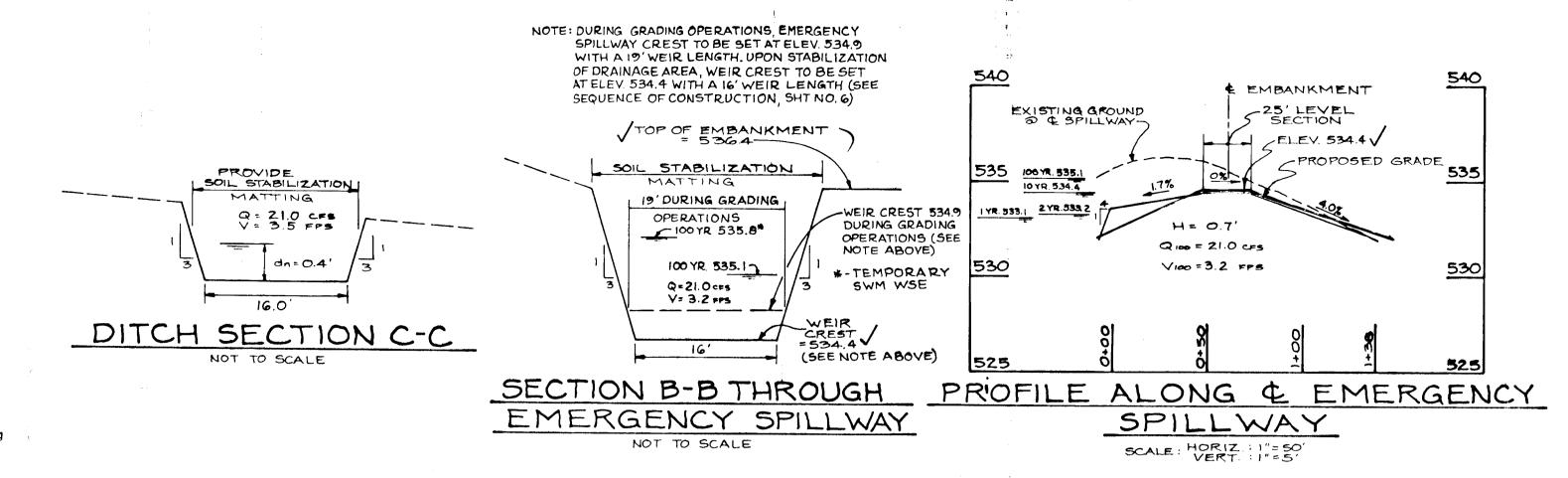
# Erosion and Sediment Control

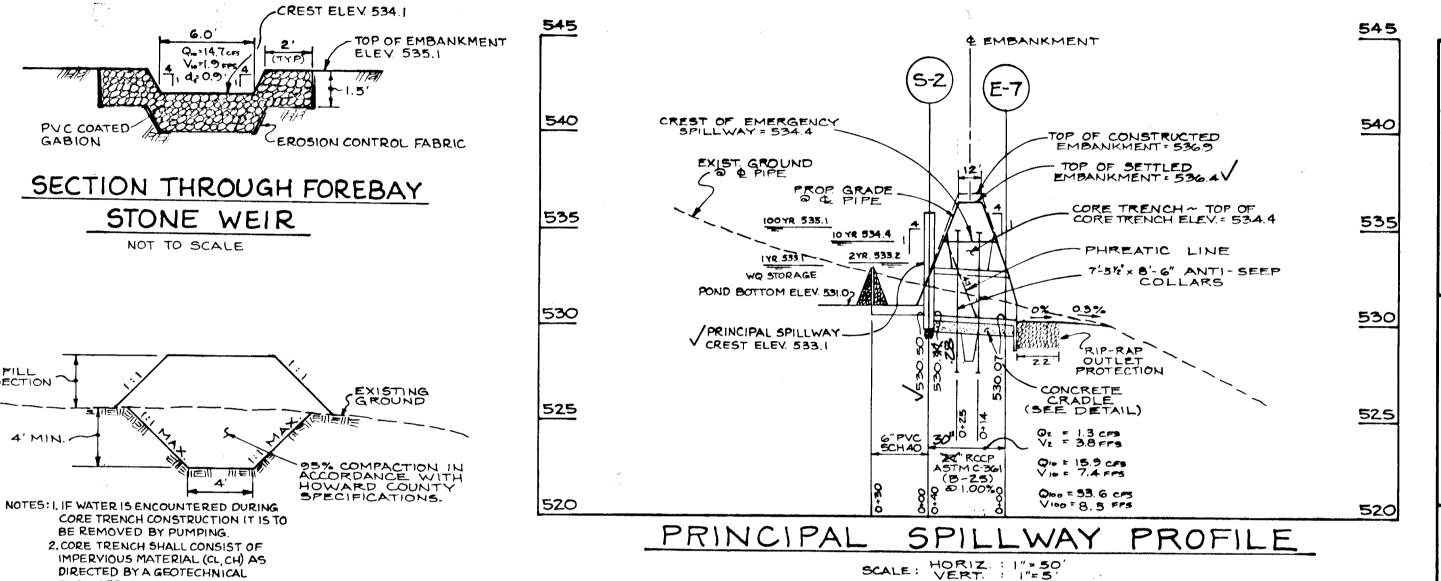
Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized. State and local laws concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures to be employed during the construction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



NOTE: POUR CONCRETE TO UNDISTURBED EARTH, REMOVE SHEETING BEFORE POURING CONCRETE

CONCRETE CRADLE NO SCALE





NOT TO SCALE REMOVABLE CAP WRAP RISER WITH FILTER CLOTH AND FASTEN WITH STAINLESS STEEL CLAMPS -1" × 4" OPENINGS -No. Z STONE REMOVABLE CAP WITH 2" & ORIFICE DRILLED AT INV. INSTALLED INSIDE, CONTROL STRUCTURE (SEE CONTROL STRUCTURE DETAILS) 6" PVC SCH 40 1.5' × 1.5' CONCRETE ANT) - FLOTATION COLLAR

ENGINEER ONSITE AND MAY REQUIRE

CORE TRENCH SECTION

FASTEN PLATE TO STRUCTURE

WITH 1/2" & GALVANIZED BOLTS 6" O.C. (BOLTS TO BE REMOVABLE)

SIDE ELEVATION

TOP VIEW

TRASH RACK DETAIL

TO BE HAULED FROM AN OFFSITE

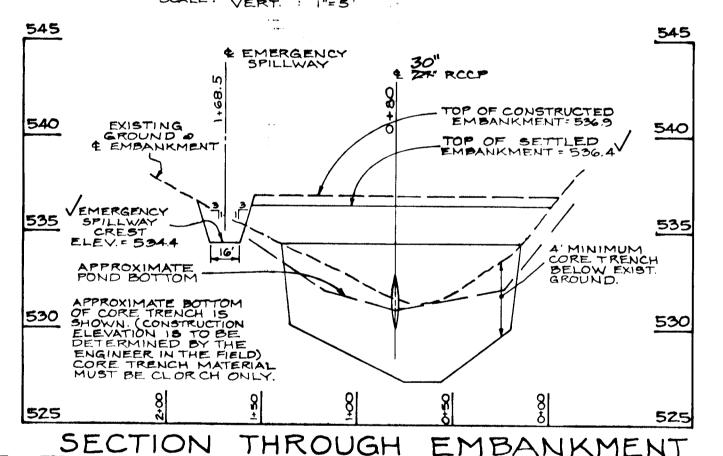
EXTENDED DETENTION ORIFICE DETAIL NO SCALE

#G BARS & G"O.C. EACH WAY

<sup>┍</sup><del>╏┈╏┈╏┈╏┈╏┈╏</del>

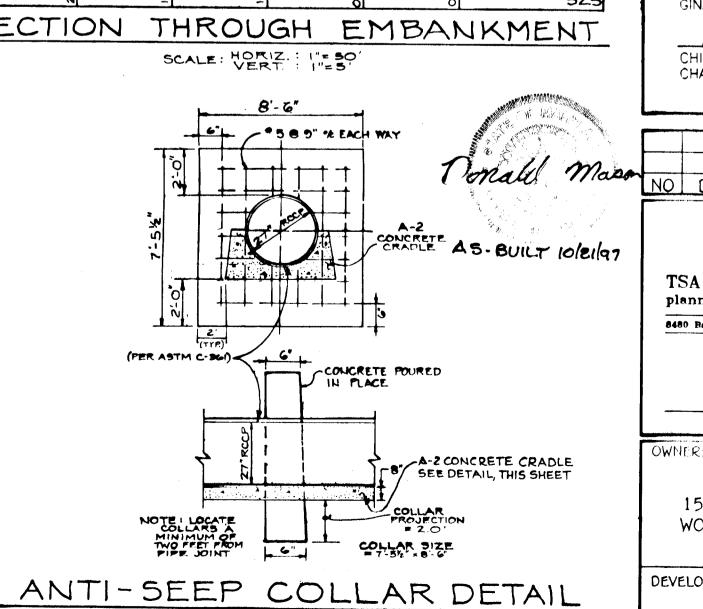
FRONT ELEVATION

1) TRASH RACK TO BE GALVANIZED AFTER FABRICATION.
2) TRASH RACK TO BE PAINTED BATTLESHIP GREY.



SCALE: HORIZ.: 1"= 50"

NO SCALE



BY THE DEVELOPER:

THESE PLANS. AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT 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.

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO

Bruce B. Bendel Pres PARCEL 137 INC.

BY THE ENGINEER:

"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 MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

Manney. ENGINEER! JOHN M. ELORRIAGA, P.E. # 1689

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.

NATURAL RESOURCE CONSERVATION SERVICE

8-30-95

9/19/95

DATE

9/14/95

· DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS CHIEF, BUREAU OF HIGHWAYS

ANDREW DANEKER APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

aina Jummanu-CHEF, DIVISION OF CAND DEVELOPMENT AND RESEARCH GINA TIRINNANZL (Mar amum

CHIEF, DEVELOPMENT ENGINEERING DIVISION MK CHARLES DAMMERS

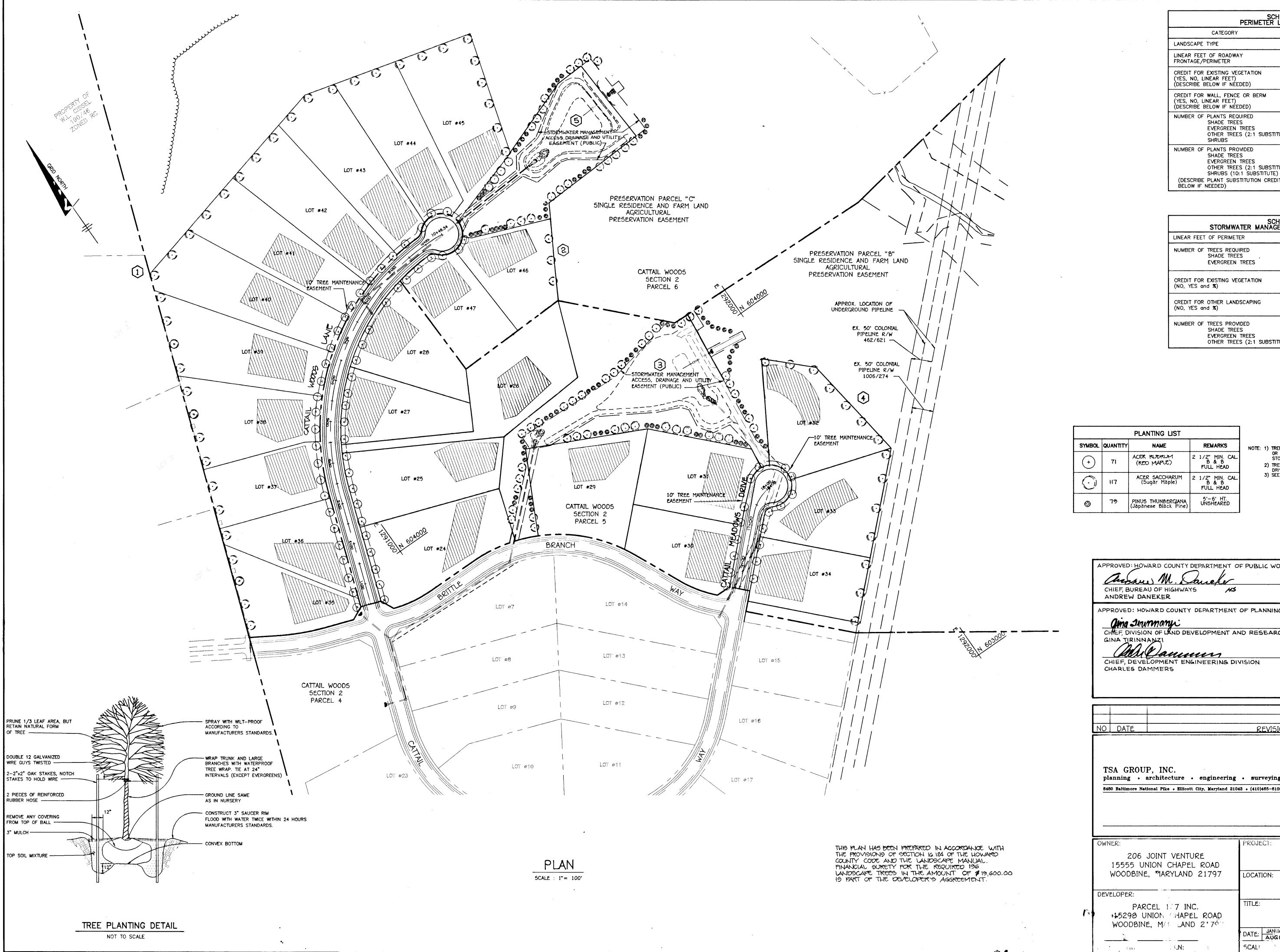
REVISION

TSA GROUP, INC. planning · architecture · engineering · surveying 8480 Baltimore National Pike . Ellicott City, Maryland 21043 . (301)465-6105

PROJECT CATTAIL WOODS 206 JOINT VENTURE SECTION 2 - PARCEL 5 15555 UNION CHAPEL ROAD LOCATION: TAX MAP 7 - PARCELS 137

WOODBINE, MARYLAND 21797 DEVELOPER: PARCEL 137 INC. 13298 UNION CHAPEL ROAD WOODBINE, MARYLAND 21797

4st ELECTION DISTRICT HOWARD COUNTY, MARYLAND STORMWATER MANAGEMENT NOTES AND DETAILS (PHASE 2) F-94-60 5-94-27 WP-94-77 DATE: JANUARY 13 , 1995 AUGUST 3, 1995 PROJECT NO. 0769 DRN: JMB. JR. SCALE: AS SHOWN DRAWING 9 OF 10



SCHEDULI PERIMETER LANDS	E A SCAPE EDGE				
CATEGORY	ADJACENT TO ROADWAYS	ADJA: PERIM	CENT TETER	TO PROPE	RTIE
LANDSCAPE TYPE	N/A	A CD	② A	<b>④</b> A	
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	N/A	2200	200	827	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	N/A	NO	NO	NO	
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	N/A	NO	NO	NO	
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTE) SHRUBS	N/A	37 - -	3 - -	14 - -	
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTE) SHRUBS (10:1 SUBSTITUTE) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	N/A	37 - - -	3 - -	14 - -	

SCHEDULI STORMWATER MANAGEMENT	D AREA LAND	SCAPING
LINEAR FEET OF PERIMETER	<b>⑤</b> 1,215	<b>③</b> 1,950
NUMBER OF TREES REQUIRED SHADE TREES EVERGREEN TREES	24 30	39 49
CREDIT FOR EXISTING VEGETATION (NO, YES and %)	NO	NO
CREDIT FOR OTHER LANDSCAPING (NO, YES and %)	NO	NO
NUMBER OF TREES PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTE)	24 30 -	39 49 -

NOTE: 1) TREES MUST BE PLANTED A MINIMUM OF 4 FEET FROM THE CURB OR SIDEWALK AND MUST BE A MINIMUM OF 5 FEET FROM ANY

2) TREES MUST BE PLANTED A MINIMUM OF 10 FEET FROM A

DRIVEWAY.

3) SEE TREE PLANTING DETAIL - THIS SHEET.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 8-30-95 DATE APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING 9/19/95 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH 9/14/45 DATE

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and the second second

CATTAIL WOODS SECTION 2 - PARCEL 5 TAX MAP 7 - PARCEL 137
4th ELECTION DISTRICT
HOWARD COUNTY, MARYLAN LANDSCAPE PLAN PHASE 2 DATE: JANUAP 13, AUGUST 3, 1995 PROJE( **√** . 0769

F-95-108

DRAWING

OF <u>10</u>