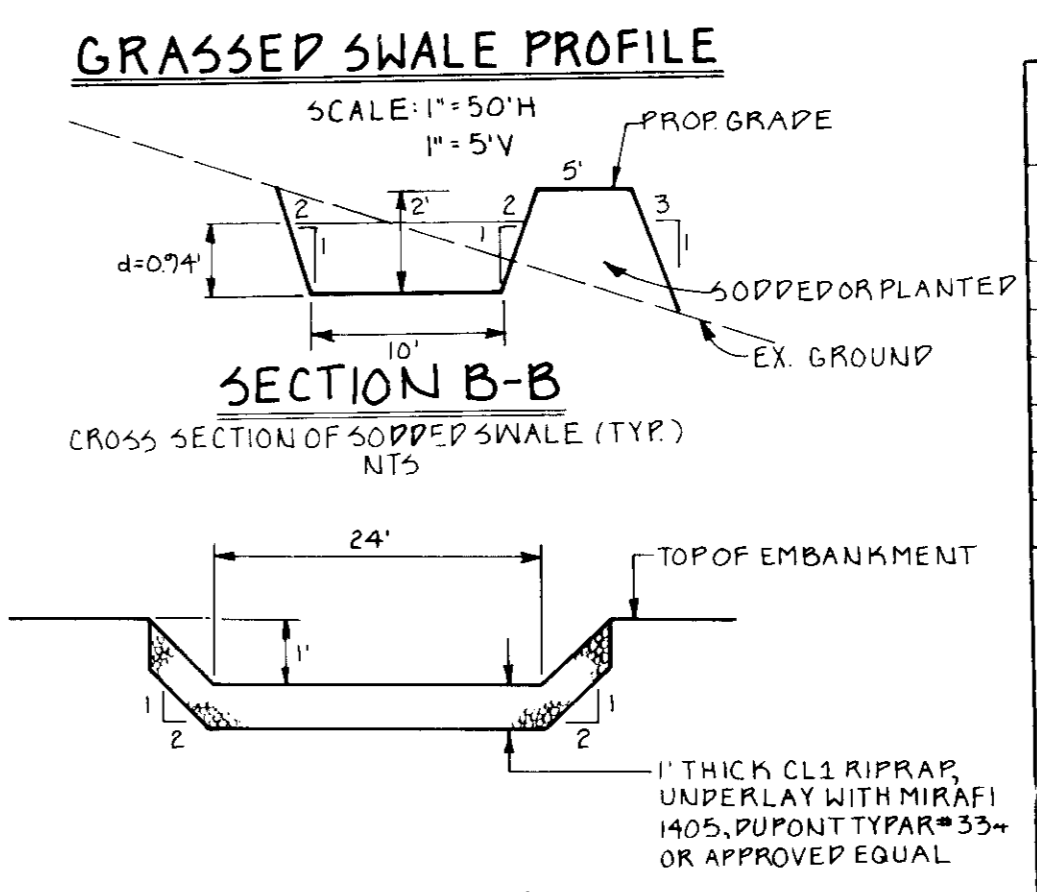
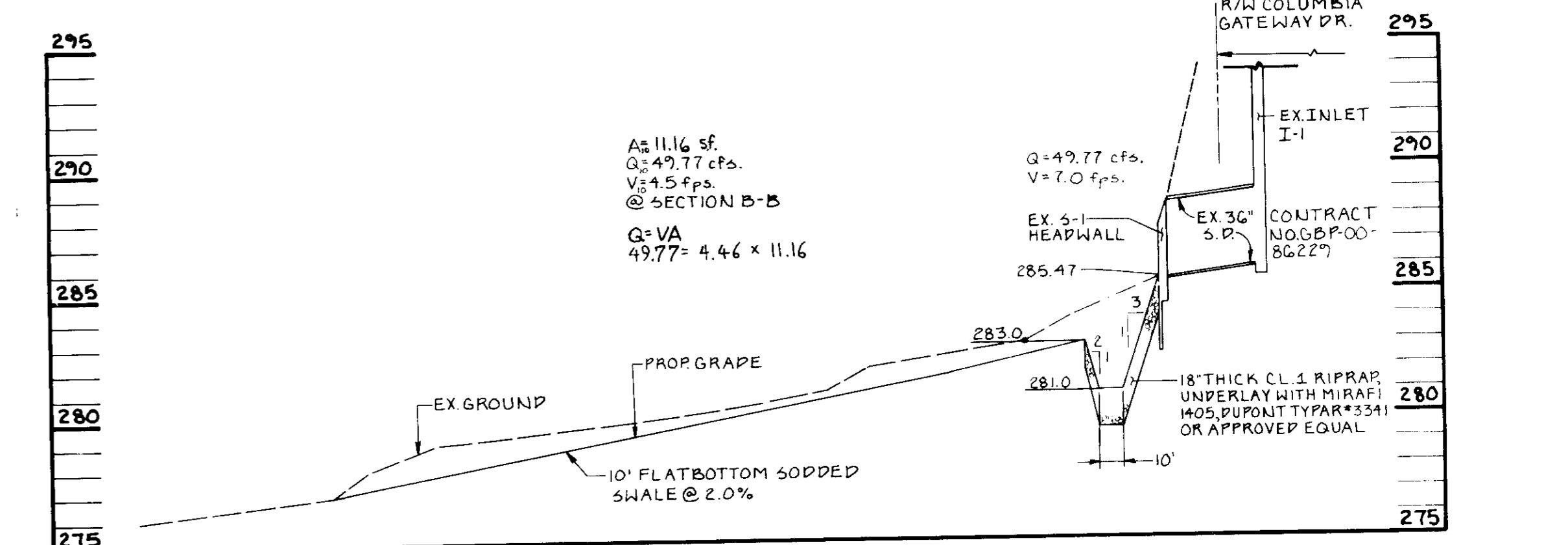


VICINITY MAP
SCALE: 1"=1,000'
BENCH MARKS
WRFA BM-TACK IN HUB 150' RIGHT OF Q STA. 59+82.05
#60 COLUMBIA GATEWAY DRIVE.
ELEV. 343.19
WRFA BM-TACK IN HUB 150' RIGHT OF Q STA. 75+13.53
#75 COLUMBIA GATEWAY DRIVE.
ELEV. 320.81



SITE ANALYSIS
AREA OF PARCEL: 172.916 ACRES
AREA DISTURBED: 0.79 ACRES
ZONED M-1
GREEN TREE WETLAND AREA .85 AC.
GRASSED SWALE 305 L.F.

- LEGEND**
- SILT FENCE
 - LIMIT OF DISTURBANCE
 - STABILIZED CONSTRUCTION ENTRANCE
 - LIMITS OF FIELD LOCATED NONTIDAL WETLANDS
 - 25' WETLAND BUFFER
 - LIMIT OF HOWARD COUNTY MAPPED 100 YR. FLOODPLAIN

PLANT SCHEDULE

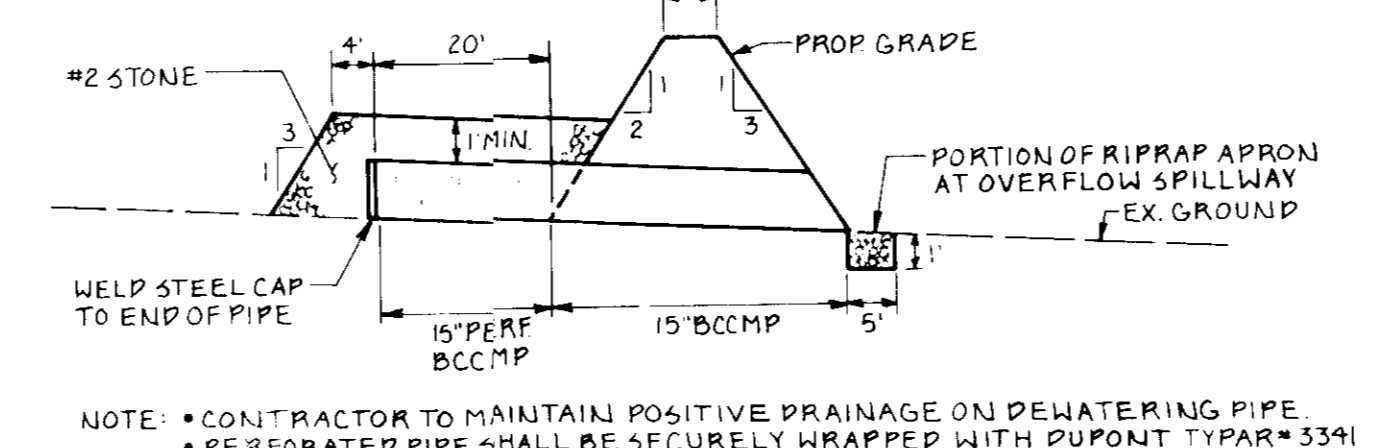
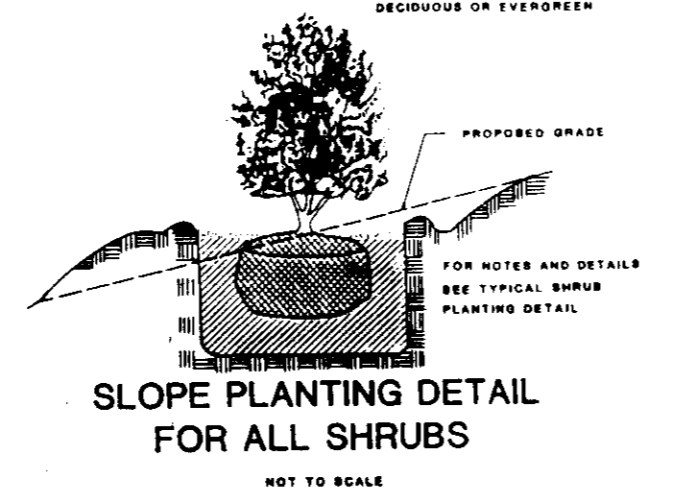
SYMBOL	KEY	BOTANICAL COMMON NAME	QTY.	SIZE	ROOT
(Symbol)	VIBURNUM	VIBURNUM RHYTIPOHYLLUM-LEATHERLEAF VIBURNUM	30	2'-2 1/2'	CONT.

NOTE: PLANTING MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH OWNER'S SPECIFICATIONS.

NOTE: COORDINATES GIVEN ARE FOR PRELIMINARY STAKE OUT ONLY. EXACT LOCATION OF PROPOSED FEATURES TO BE DETERMINED IN FIELD BY ENVIRONMENTAL CONSULTANT AFTER PRELIMINARY STAKEOUT HAS BEEN COMPLETED.

COORDINATE CHART

SPOT	EASTING	NORTHING	ELEVATION
1	N 491,544	E 856,911	272.2
2	N 491,566	E 856,920	272.2
3	N 491,643	E 856,902	272.2
4	N 491,684	E 856,876	278.2
5	N 491,751	E 856,820	273.2
6	N 491,652	E 856,734	275.0
7	N 491,729	E 856,748	284.2
8	N 491,722	E 856,753	289.2
9	N 491,831	E 856,704	275.2
10	N 491,719	E 856,701	275.2
11	N 491,957	E 856,670	279.2
12	N 491,988	E 856,653	279.2
13	N 492,019	E 856,612	279.2
14	N 491,922	E 856,659	278.2
15	N 491,875	E 856,639	279.2
16	N 491,855	E 856,618	279.2
17	N 491,811	E 856,651	284.2
18	N 491,540	E 856,600	289.2



NOTE: CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE ON DEWATERING PIPE. PERFORATED PIPE SHALL BE SECURELY WRAPPED WITH DUPONT TYPAR #3341 FILTER CLOTH OR APPROVED EQUAL AND COVERED ON ALL SIDES WITH 12" MINIMUM #2 STONE. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.

APPROVED: [Signatures and dates for various approvals]

OWNER'S/DEVELOPER'S CERTIFICATION: I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNE INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. ALSO THAT THE SITE WILL BE INSPECTED AT THE END OF EACH WORKING DAY, AND THAT ANY NEEDS MAINTENANCE WILL BE COMPLETED SO AS TO INSURE THAT ALL SEDIMENT CONTROL MEASURES ARE LEFT IN OPERATIONAL CONDITION. I/WE AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR OTHER AUTHORIZED AGENTS.

DEVELOPER: [Signature and date]

CONSULTANT'S CERTIFICATION: I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY EROSION CONTROL DISTRICT AND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

CONSULTANT: Donald N. Mitten, M.D. LICENSE NO. 16581, DATE: 3/7/91

TOTAL WETLAND CREATION AREA SHOWN ON THIS PLAN IS .85 AC.²

NOTE: The purpose of this site dev. plan is for grading only to create wetlands for mitigation as required by the U.S. Army Corps of Engineers (CENAB-OP-RW 89-1010-3) and Maryland Department of the Environment (88-WQ-0481)

REVISIONS

DATE	REVISION
6/25/90	REVISED AS PER COUNTY COMMENTS C.L.Y.

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
Parcel 4	6901 Columbia Gateway Drive

KIDDE CONSULTANTS, INC.
ENGINEERS PLANNERS ARCHITECTS
1020 CROMWELL PARKWAY
BALTIMORE, MARYLAND 21201
301-321-5500

SITE DEVELOPMENT PLAN FOR THE GREEN TREE WETLAND AREA OF COLUMBIA GATEWAY
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER DEVELOPER
THE HOWARD RESEARCH & DEVELOPMENT LABORATORY
1025 LITTLE PATENT PARKWAY
COLUMBIA, MARYLAND 21044

SUBDIVISION NAME	PLAT # OR L/F	BLOCK #	ZONE	TAX ZONE MAP #	PARCEL #
COLUMBIA GATEWAY	7542	1	M-1	43	606502

SDP-90-138

