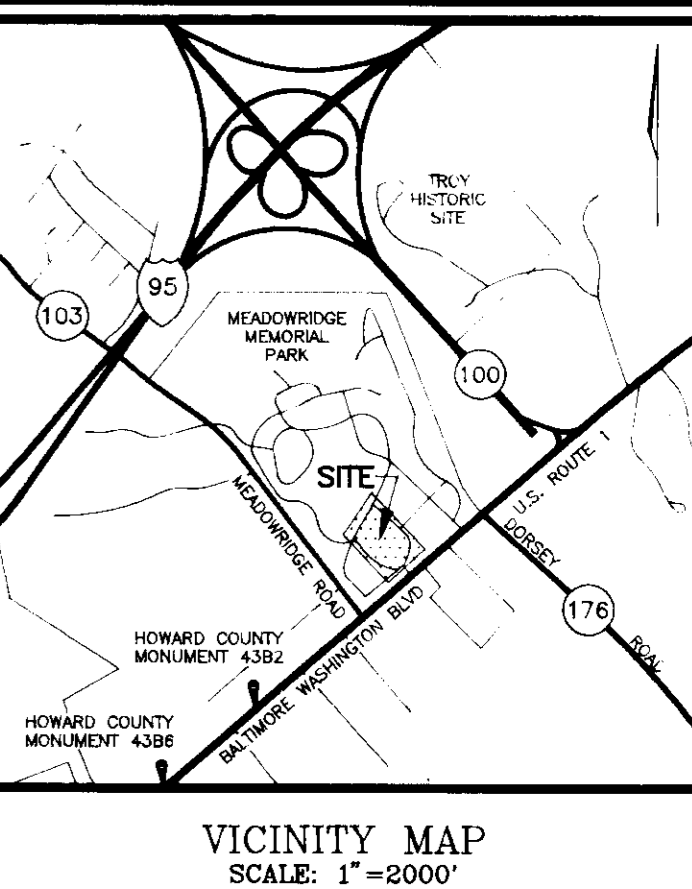


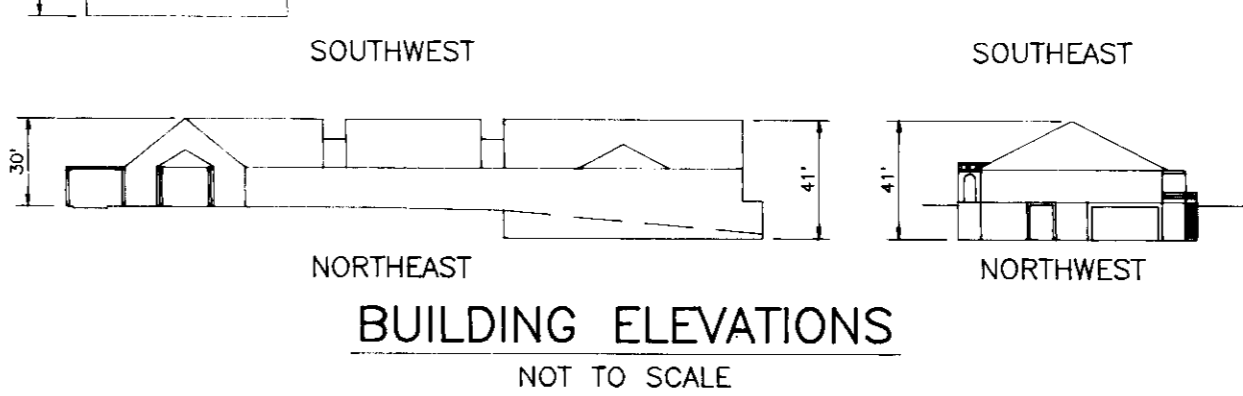
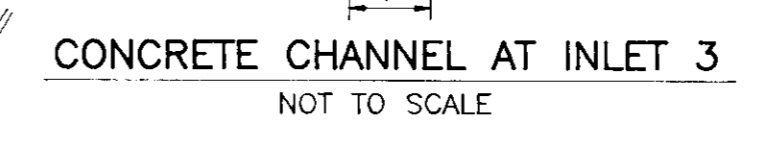
**SITE ANALYSIS**  
 AREA OF PARCEL: 145.82 AC. (REFERENCE PLAT OF SURVEY PREPARED BY BOENDER AND ASSOCIATES, 1985)  
 PRESENT ZONING: M-1  
 USE OF STRUCTURE: FUNERAL HOME  
 FLOOR SPACE: 19,000 S.F. (4 VIEWING ROOMS)  
 MAXIMUM NUMBER OF EMPLOYEES: 20  
 NUMBER OF HANDICAP PARKING SPACES PROVIDED: 6 SPACES  
 40 (VIEWING ROOMS) + 20 (EMPLOYEES) = 60 SPACES  
 NUMBER OF PARKING SPACES PROVIDED: 81 SPACES  
 NUMBER OF HANDICAP PARKING SPACES PROVIDED: 6 SPACES  
 OPEN SPACE ON SITE: 0.67 AC.  
 BUILDING COVERAGE ON SITE: 0.35 AC.  
 PAVED PARKING LOT AREA ON SITE: 1.30 AC.  
 AREA OF LANDSCAPE ISLAND: 0.08 AC. (3,500 SQ. FT.)

**SHEET INDEX**

SHT. NO.	DESCRIPTION
1	SITE DEVELOPMENT PLAN
2	GRADING, SEDIMENT & EROSION CONTROL PLAN
3	LANDSCAPE PLAN
4	LANDSCAPE DETAILS AND SPECIFICATIONS
5	STORM DRAIN PROFILES, DETAILS AND PARCEL BOUNDARY
6	DRAINAGE AREA AND SOILS MAP
7	SOIL BORING PROFILES, DETAILS AND SWM SCHEMATIC DETAIL
8	DETAILS AND NOTES



- 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 "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
  3. CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS:  
 MISS UTILITY: 1-800-257-7777  
 C&P TELEPHONE COMPANY: 725-9976  
 HOWARD COUNTY BUREAU OF UTILITIES: 313-2668  
 AT&T CABLE LOCATION DIVISION: 393-3553  
 B&E CO. CONTRACTOR SERVICES: 850-4620  
 BOBE CO. UNDERGROUND DAMAGE CONTROL: 787-2068  
 STATE HIGHWAY ADMINISTRATION: 531-5533
  4. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
  5. ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
  6. EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS, FIELD SURVEYS AND AVAILABLE RECORD DRAWINGS, APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
  7. ALL REINFORCED CONCRETE FOR STORM DRAIN STRUCTURES SHALL HAVE A MINIMUM OF 28 DAYS STRENGTH OF 3500 P.S.I.
  8. 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 PLACEMENT OF ANY ASPHALT.
  9. ESTIMATES OF EARTHWORK QUANTITIES ARE PROVIDED SOLELY FOR THE PURPOSE OF CALCULATING PERMIT FEES.
  10. SOIL COMPACTION SPECIFICATIONS, REQUIREMENTS, METHODS AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEERS WHICH MEET OR EXCEED APPLICABLE AGENCY STANDARDS.
  11. ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS "C" AS SHOWN IN FIG. 11-4 VOLUME 1 OF HOWARD COUNTY DESIGN MANUAL.
  12. STORMWATER MANAGEMENT PROVIDED VIA SUBSURFACE FACILITY (PRIVATE).
  13. COORDINATES AND ELEVATIONS ARE BASED ON HOWARD COUNTY MONUMENTS 4382 (ELEV.=209.67) AND 4388 (ELEV.=210.61) NAD 83.
  14. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
  15. GEOTECHNICAL REPORT PREPARED BY HERBST AND ASSOCIATES NOVEMBER, 1993.
  16. TOPOGRAPHICAL DATA BASED ON A FIELD SURVEY PERFORMED BY MARKS-VOGEL ASSOCIATES, INC. IN OCTOBER, 1992.
  17. THERE ARE NO WETLANDS LOCATED WITHIN THE LIMITS OF DISTURBANCE FOR THIS PROJECT.
  18. FLOODPLAIN SHOWN HEREON IN ACCORDANCE WITH STUDY PREPARED BY MARKS-VOGEL ASSOCIATES, INC. JANUARY 1994.
  19. WATER AND SEWER ARE PUBLIC.
  20. THE CONTRACTOR WILL COORDINATE WITH CEMETARY PERSONNEL WHEN WORKING IN CLOSE PROXIMITY TO GRAVE SITES. ALL WORK IN THESE AREAS WILL BE PERFORMED BY HAND.
  21. THIS PLAN DOES NOT REQUIRE THE RELOCATION OF ANY GRAVE SITES, AS DETERMINED BY VISIBLE EVIDENCE IN THE FIELD.
  22. EXISTING TREES SHOWN HEREON ARE NOT INDIVIDUALLY LOCATED AND SHOULD BE FIELD VERIFIED. THE LOCATION OF THE ROWS OF TREES HAS BEEN SURVEY LOCATED. THE LANDSCAPE ARCHITECT WILL BE CONSULTED FOR ROOT PRUNING PRIOR TO THE REMOVAL OF ANY TREES BEYOND THE OUTSIDE TWO ROWS.
  23. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING UTILITY PERMIT FROM STATE HIGHWAY ADMINISTRATION DISTRICT 7 UTILITY ENGINEER (301) 694-2025 PRIOR TO CONSTRUCTION OF WATER AND SEWER LINES.
  24. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING MARYLAND DEPARTMENT OF ENVIRONMENT WATER CONSTRUCTION PERMIT IF REQUIRED.
  25. THE CONTRACTOR IS TO PROVIDE COMPLETE DESIGN AND INSTALLATION OF TURKEY IRRIGATION FOR ALL PLANTED AREAS.
  26. THE CONTRACTOR IS TO COORDINATE WITH BALTIMORE GAS AND ELECTRIC TO INSTALL GAS AND ELECTRIC LINE TO THE METERS AT THE BUILDING.
  27. REFERENCE SD-91-05, BA 90-40E (APPROVED TO BUILD MAUSOLEUM IN M-1 DISTRICT) BA 86-25E (APPROVED TO BUILD MAUSOLEUM IN M-1 DISTRICT) VP 78-65, WP 88-32, WP 90-31 (DENIED, WAIVER TO SITE PLAN)



**ADDRESS CHART**

LOT NO.	STREET ADDRESS
PARCEL 178	7550 BALTIMORE WASHINGTON BOULAVARD

**NOTE:**  
 1. ALL ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED.  
 2. ALL CURB AND GUTTER IS HOWARD COUNTY STANDARD DETAIL R 3.01.  
 3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

**BENCHMARKS**  
 BENCH#1 TACK IN HUB ELEV.= 195.81  
 BENCH#2 TACK IN HUB ELEV.= 169.38

**OWNER/DEVELOPER**  
 HUBBARD FUNERAL HOME, INC.  
 P.O. BOX 130548  
 1929 ALLEN PARKWAY  
 HOUSTON, TEXAS 77219-0548  
 TELEPHONE: (713) 522-5141

**ENGINEERS 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
 Signature: [Signature] DATE: 12/19/94

**DEVELOPER'S CERTIFICATE**  
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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.  
 Signature: Curtis S. Briggs, Vice President DATE: 1/5/95

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 Signature: Patricia Engle DATE: 1/4/95  
 U.S. SOIL CONSERVATION SERVICE DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 Signature: [Signature] DATE: 1/2/95  
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Signature: [Signature] DATE: 1/11/95  
 CHIEF, LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 Signature: [Signature] DATE: 1/9/95  
 COUNTY HEALTH OFFICER

SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER
MEADOWRIDGE MEMORIAL PARK	N/A	178

DEED REF.	BLOCK NO.	ZONE	TAX/ZONE	ELECT. DIST.	CENSUS TR.
L151/F.32	22&23	M-1	37	1ST	6012

WATER CODE: B 01 SEWER CODE: 2320000

**MEADOWRIDGE MEMORIAL PARK FUNERAL HOME SITE DEVELOPMENT PLAN**

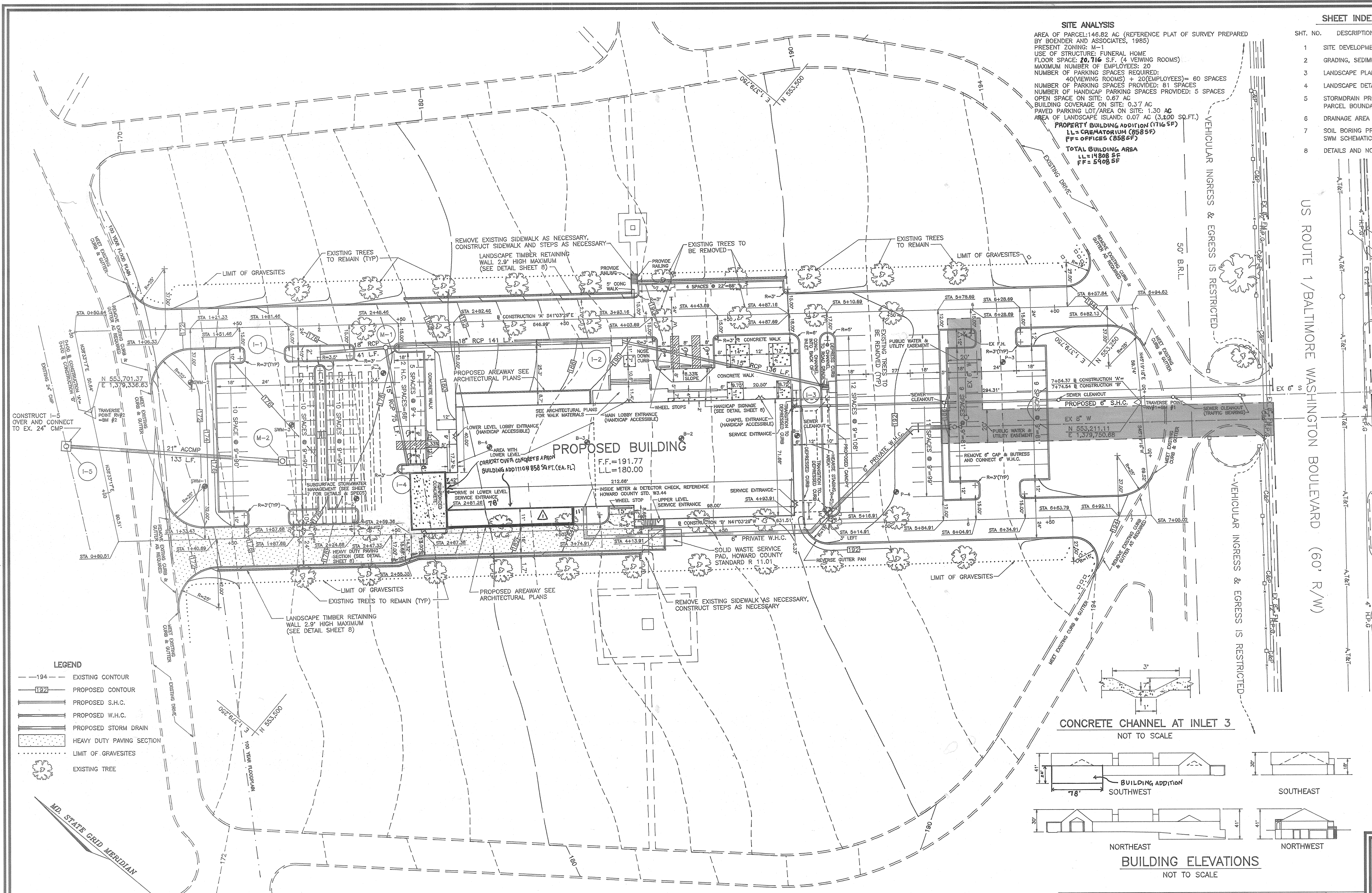
TAX MAP #37 1ST ELECTION DISTRICT DEED REFERENCE: 151/32 PARCEL 178 HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 ELLICOTT CITY, MARYLAND 21043 TELEPHONE: (410) 461-5828 FAX: (410) 465-3968

DESIGN BY: R.H.V.  
 DRAWN BY: D.G.H.  
 CHECKED BY: R.H.V.  
 DATE: APRIL, 1994  
 SCALE: 1"=30'  
 W.O. NO.: 93-08

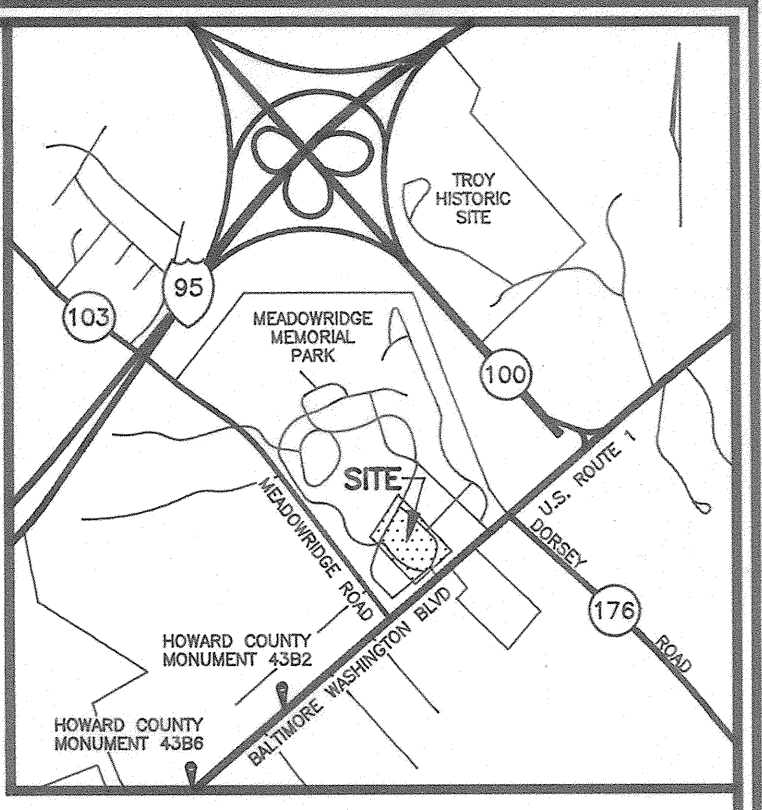
1 SHEET OF 8



**SITE ANALYSIS**  
 AREA OF PARCEL: 146.82 AC (REFERENCE PLAT OF SURVEY PREPARED BY BOENDER AND ASSOCIATES, 1965)  
 PRESENT ZONING: M-1  
 USE OF STRUCTURE: FUNERAL HOME  
 FLOOR SPACE: 20,716 S.F. (4 VIEWING ROOMS)  
 MAXIMUM NUMBER OF EMPLOYEES: 20  
 NUMBER OF PARKING SPACES REQUIRED: 60  
 40 (VIEWING ROOMS) + 20 (EMPLOYEES) = 60 SPACES  
 NUMBER OF PARKING SPACES PROVIDED: 81 SPACES  
 NUMBER OF HANDICAP PARKING SPACES PROVIDED: 5 SPACES  
 OPEN SPACE ON SITE: 0.67 AC  
 BUILDING COVERAGE ON SITE: 0.37 AC  
 PAVED PARKING LOT AREA ON SITE: 1.30 AC  
 AREA OF LANDSCAPE ISLAND: 0.07 AC (3,200 SQ. FT.)  
**PROPERTY BUILDING ADDITION (1716 SF)**  
**LL = CREMATORIUM (8585 SF)**  
**FF = OFFICES (8586 SF)**  
**TOTAL BUILDING AREA**  
**LL = 14,868 SF**  
**FF = 5408 SF**

**SHEET INDEX**

SHT. NO.	DESCRIPTION
1	SITE DEVELOPMENT PLAN
2	GRADING, SEDIMENT & EROSION CONTROL PLAN
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6	DRAINAGE AREA AND SOILS MAP
7	SOIL BORING PROFILES, DETAILS AND SWM SCHEMATIC DETAIL
8	DETAILS AND NOTES

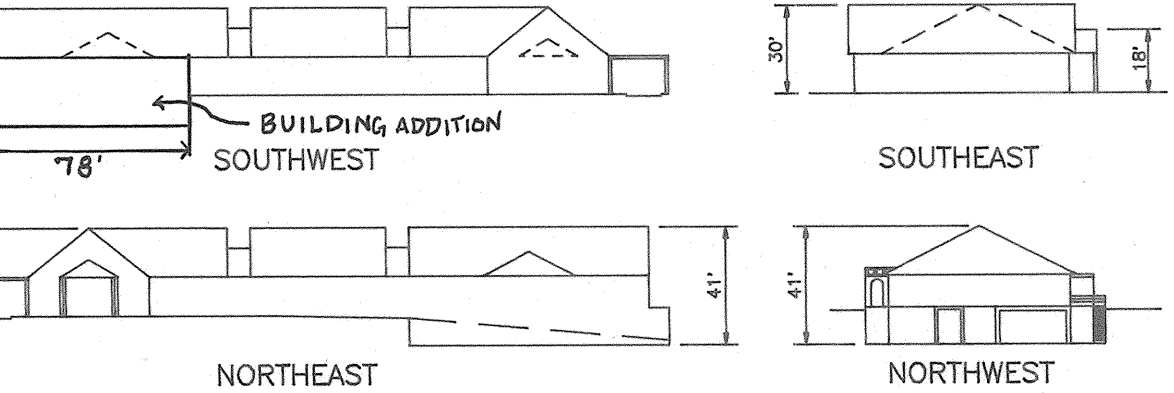
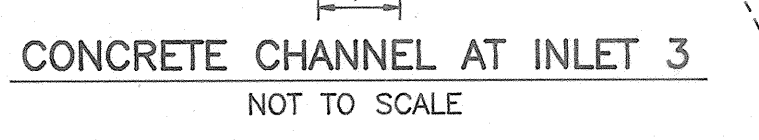


**VICINITY MAP**  
SCALE: 1"=2000'

- GENERAL NOTES**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
  - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
  - CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS:  
 MISS UTILITY: 1-800-257-7777  
 C&P TELEPHONE COMPANY: 725-9772  
 HOWARD COUNTY BUREAU OF UTILITIES: 313-2366  
 AT&T CABLE LOCATION DIVISION: 393-3553  
 BG&A CO. CONTRACTOR SERVICES: 850-4620  
 BG&A CO. UNDER GROUND DAMAGE CONTROL: 787-9068  
 STATE HIGHWAY ADMINISTRATION: 531-5533
  - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
  - ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
  - EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS, FIELD SURVEYS AND AVAILABLE RECORD DRAWINGS. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
  - ALL REINFORCED CONCRETE FOR STORM DRAIN STRUCTURES SHALL HAVE A MINIMUM OF 28 DAYS STRENGTH OF 3500 P.S.I.
  - 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 PLACEMENT OF ANY ASPHALT.
  - ESTIMATES OF EARTHWORK QUANTITIES ARE PROVIDED SOLELY FOR THE PURPOSE OF CALCULATING PERMIT FEES.
  - SOIL COMPACTION SPECIFICATIONS, REQUIREMENTS, METHODS AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEERS WHICH MEET OR EXCEED APPLICABLE AGENCY STANDARDS.
  - ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS 'C' AS SHOWN IN FIG. 11-4 VOLUME I OF HOWARD COUNTY DESIGN MANUAL.
  - STORMWATER MANAGEMENT PROVIDED VIA SUBSURFACE FACILITY (PRIVATE).
  - COORDINATES AND ELEVATIONS ARE BASED ON HOWARD COUNTY MONUMENTS 432(ELEV.=209.87) AND 438(ELEV.=210.61) HAD 83.
  - A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
  - GEOTECHNICAL REPORT PREPARED BY HERBST AND ASSOCIATES NOVEMBER, 1993.
  - TOPOGRAPHICAL DATA BASED ON A FIELD SURVEY PERFORMED BY MARKS-VOGEL ASSOCIATES, INC. IN OCTOBER, 1992.
  - THERE ARE NO WETLANDS LOCATED WITHIN THE LIMITS OF DISTURBANCE FOR THIS PROJECT.
  - FLOODPLAIN SHOWN HEREON IN ACCORDANCE WITH STUDY PREPARED BY MARKS-VOGEL ASSOCIATES, INC. JANUARY 1994.
  - WATER AND SEWER ARE PUBLIC.
  - THE CONTRACTOR WILL COORDINATE WITH CEMETARY PERSONNEL WHEN WORKING IN CLOSE PROXIMITY TO GRAVE SITES. ALL WORK IN THESE AREAS WILL BE PERFORMED BY HAND.
  - THIS PLAN DOES NOT REQUIRE THE RELOCATION OF ANY GRAVE SITES, AS DETERMINED BY VISIBLE EVIDENCE IN THE FIELD.
  - EXISTING TREES SHOWN HEREON ARE NOT INDIVIDUALLY LOCATED AND SHOULD BE FIELD VERIFIED. THE LOCATION OF THE ROWS OF TREES HAS BEEN SURVEY LOCATED. THE LANDSCAPE ARCHITECT WILL BE CONSULTED FOR ROOT PRUNING AND PRIOR TO THE REMOVAL OF ANY TREES BEYOND THE OUTSIDE TWO ROWS.
  - THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING UTILITY PERMIT FROM STATE HIGHWAY ADMINISTRATION DISTRICT 7 UTILITY ENGINEER (301) 684-2025 PRIOR TO CONSTRUCTION OF WATER AND SEWER LINES.
  - THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING MARYLAND DEPARTMENT OF ENVIRONMENT WATER CONSTRUCTION PERMIT IF REQUIRED.
  - THE CONTRACTOR IS TO PROVIDE COMPLETE DESIGN AND INSTALLATION OF TURKEY IRRIGATION FOR ALL PLANTED AREAS.
  - THE CONTRACTOR IS TO COORDINATE WITH BALTIMORE GAS AND ELECTRIC TO INSTALL GAS AND ELECTRIC LINE TO THE METERS AT THE BUILDING.
  - REFERENCE SDP-91-05, BA 90-40E (APPROVED, TO BUILD MAUSOLEUM IN M-1 DISTRICT) BA 86-25E (APPROVED TO BUILD MAUSOLEUM IN M-1 DISTRICT) VP 78-05, WP 68-32, WP 90-31 (DENIED, WAIVER TO SITE PLAN)

**LEGEND**

- 194 - EXISTING CONTOUR
- 197 - PROPOSED CONTOUR
- PROPOSED S.H.C.
- PROPOSED W.H.C.
- PROPOSED STORM DRAIN
- HEAVY DUTY PAVING SECTION
- LIMIT OF GRAVESITES
- EXISTING TREE



**ADDRESS CHART**

LOT NO.	STREET ADDRESS
PARCEL 178	7550 BALTIMORE WASHINGTON BOULAVARD

**NOTES:**  
 1. ALL ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED.  
 2. ALL CURB AND GUTTER IS HOWARD COUNTY STANDARD DETAIL R.3.01.  
 3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

**BENCHMARKS**  
 RV#1 TACK IN HUB ELEV= 195.81  
 RV#2 TACK IN HUB ELEV= 169.38

**OWNER/DEVELOPER**  
 HUBBARD FUNERAL HOME, INC.  
 P.O. BOX 130548  
 1929 ALLEN PARKWAY  
 HOUSTON, TEXAS 77219-0548  
 TELEPHONE: (713) 522-5141

NO.	DESCRIPTION	DATE
1	TWO STORY BLDG. ADD. AND CARPORT	9.13.05

**ENGINEERS 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT"  
 Signature: Robert H. O'Connell  
 Date: 12/19/94

**DEVELOPER'S CERTIFICATE**  
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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."  
 Signature: Curtis G. Briggs  
 Date: 12/5/94

**REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.**  
 Signature: Patricia Engle  
 Date: 12/19/94  
 U. S. SOIL CONSERVATION SERVICE

**APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING**  
 Signature: [Signature]  
 Date: 1/12/95  
 DIRECTOR

**APPROVED: CHIEF, LAND DEVELOPMENT AND RESEARCH**  
 Signature: [Signature]  
 Date: 1/11/95

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS**  
 Signature: [Signature]  
 Date: 1/13/95  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS**  
 HOWARD COUNTY HEALTH DEPARTMENT

Signature: [Signature]  
 Date: 1/9/95  
 COUNTY HEALTH/OFFICER

SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER
MEADOWRIDGE MEMORIAL PARK	N/A	178

DEED REF.	BLOCK NO.	ZONE	TAX/ZONE	ELECT. DIST.	CENSUS TR.
L151/F.32	22&23	M-1	37	15T	6012

WATER CODE: B 01  
 SEWER CODE: 2320000

**MEADOWRIDGE MEMORIAL PARK FUNERAL HOME SITE DEVELOPMENT PLAN**

TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101  
 ELLICOTT CITY, MARYLAND 21043

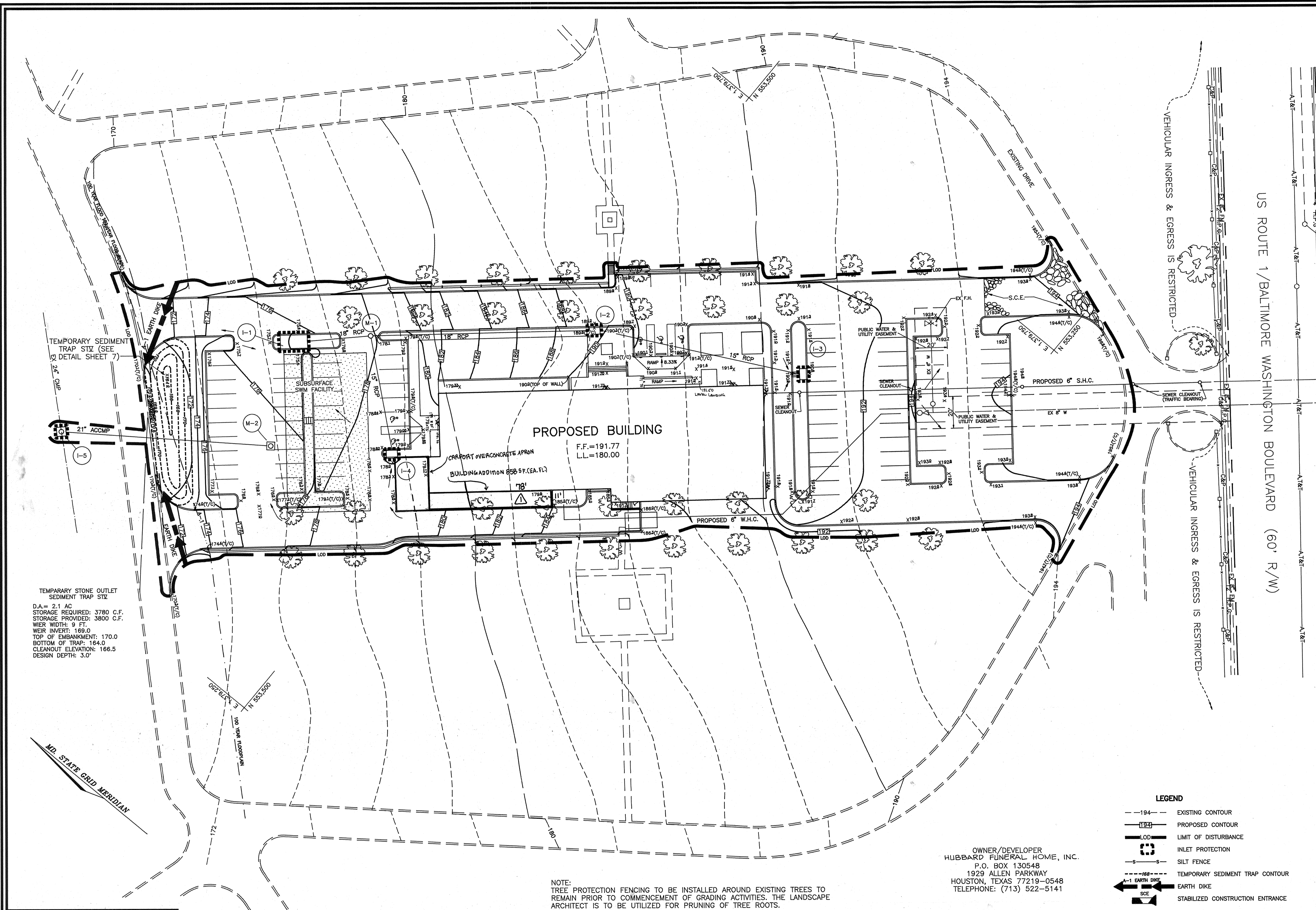
TELEPHONE: (410) 461-5828  
 FAX: (410) 465-3968

DESIGN BY: R.H.V.  
 DRAWN BY: D.G.H.  
 CHECKED BY: R.H.V.  
 DATE: APRIL, 1994  
 SCALE: 1"=30'  
 W.O. NO.: 93-08

1 SHEET OF 8

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN GRADING PERMIT. 1 DAY
2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS (313-1880) AT LEAST 24 HOURS BEFORE STARTING ANY WORK. 2 DAYS
3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. 1 DAY
4. INSTALL PERIMETER SEDIMENT CONTROL MEASURES AND CONSTRUCT TEMPORARY SEDIMENT TRAP. 2 DAYS
5. INSTALL TREE PROTECTION FENCING AROUND DRIPLINE OUTSIDE ROWS OF TREES TO BE SAVED. 1 DAY
6. REMOVE INSIDE ROW OF TREES AND ROUGH GRADE SITE. 3 DAYS
7. BEGIN BUILDING CONSTRUCTION. 2 WEEKS
8. CONSTRUCT STORM DRAINAGE SYSTEM, STORMWATER MANAGEMENT AND OTHER SITE UTILITIES. 1 DAY
9. PROTECT STORMDRAINAGE AND STORMWATER MANAGEMENT SYSTEMS FROM SEDIMENT. INSTALL INLET PROTECTION AND MAINTAIN.
10. CONSTRUCT AND BACKFILL RETAINING WALLS. 1 WEEK
11. GRADE SITE AND PROVIDE COMPACTION IN ACCORDANCE WITH SUPERVISING GEOTECHNICAL ENGINEER REQUIREMENTS. 1 WEEK
12. CONSTRUCT PARKING LOTS, DRIVEWAYS AND SIDEWALKS. 3 WEEKS
13. INSTALL LANDSCAPING.
14. DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDED NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN HEREON.
15. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
  - A. 7 CALENDER DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
  - B. 14 CALENDER DAYS FOR ALL OTHER DISTURBED AREA.
16. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT CONTROL STRUCTURES.



TEMPORARY SEDIMENT TRAP STIZ (SEE DETAIL SHEET 7)

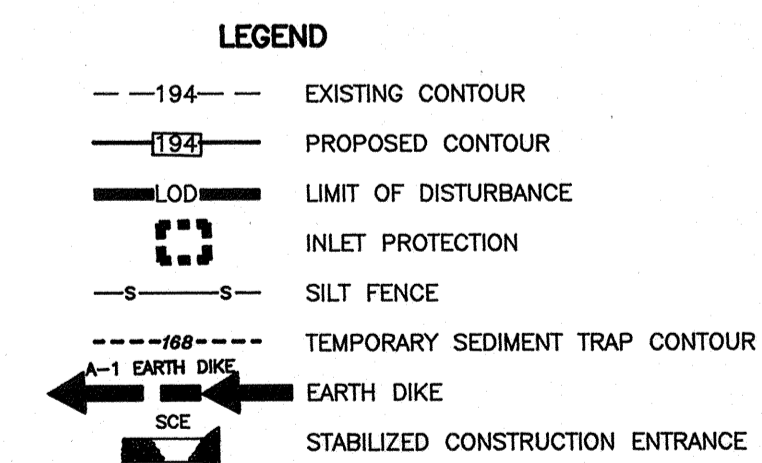
TEMPORARY STONE OUTLET SEDIMENT TRAP STIZ  
 D.A. = 2.1 AC  
 STORAGE REQUIRED: 3780 C.F.  
 STORAGE PROVIDED: 3800 C.F.  
 WEIR WIDTH: 9 FT.  
 WEIR INVERT: 169.0  
 TOP OF EMBANKMENT: 170.0  
 BOTTOM OF TRAP: 164.0  
 CLEANOUT ELEVATION: 166.5  
 DESIGN DEPTH: 3.0'

**PROPOSED BUILDING**  
 F.F.=191.77  
 L.L.=180.00

US ROUTE 1/BALTIMORE WASHINGTON BOULEVARD (60' R/W)

VEHICULAR INGRESS & EGRESS IS RESTRICTED

VEHICULAR INGRESS & EGRESS IS RESTRICTED



OWNER/DEVELOPER  
 HUBBARD FUNERAL HOME, INC.  
 P.O. BOX 130548  
 1929 ALLEN PARKWAY  
 HOUSTON, TEXAS 77219-0548  
 TELEPHONE: (713) 522-5141

NOTE:  
 TREE PROTECTION FENCING TO BE INSTALLED AROUND EXISTING TREES TO REMAIN PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES. THE LANDSCAPE ARCHITECT IS TO BE UTILIZED FOR PRUNING OF TREE ROOTS.

NO.	TWO STORY BLDG. ADD AND CARPORT REVISION	9.13.05
DATE		

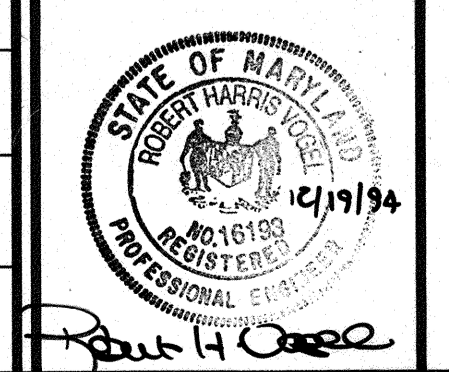
**MEADOWRIDGE MEMORIAL PARK FUNERAL HOME**  
 GRADING PLAN AND EROSION & SEDIMENT CONTROL

TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 TELLEPHONE: (410) 461-5828  
 ELLICOTT CITY, MARYLAND 21043 FAX: (410) 465-3966

DESIGN BY: R.H.V.  
 DRAWN BY: D.G.H.  
 CHECKED BY: R.H.V.  
 DATE: APRIL, 1994  
 SCALE: 1"=30'  
 W.O. NO.: 93-08



**ENGINEERS 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT"  
 Signature of Engineer: [Signature] DATE: 12/19/94

**DEVELOPER'S CERTIFICATE**  
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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."  
 Signature: Curtis G. Briggs, Vice President DATE: 12/15/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 Signature: Patricia Engle DATE: 12/15/94  
 U. S. SOIL CONSERVATION SERVICE  
 THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 APPROVED: [Signature] DATE: 12/15/94  
 HOWARD SOIL CONSERVATION DISTRICT

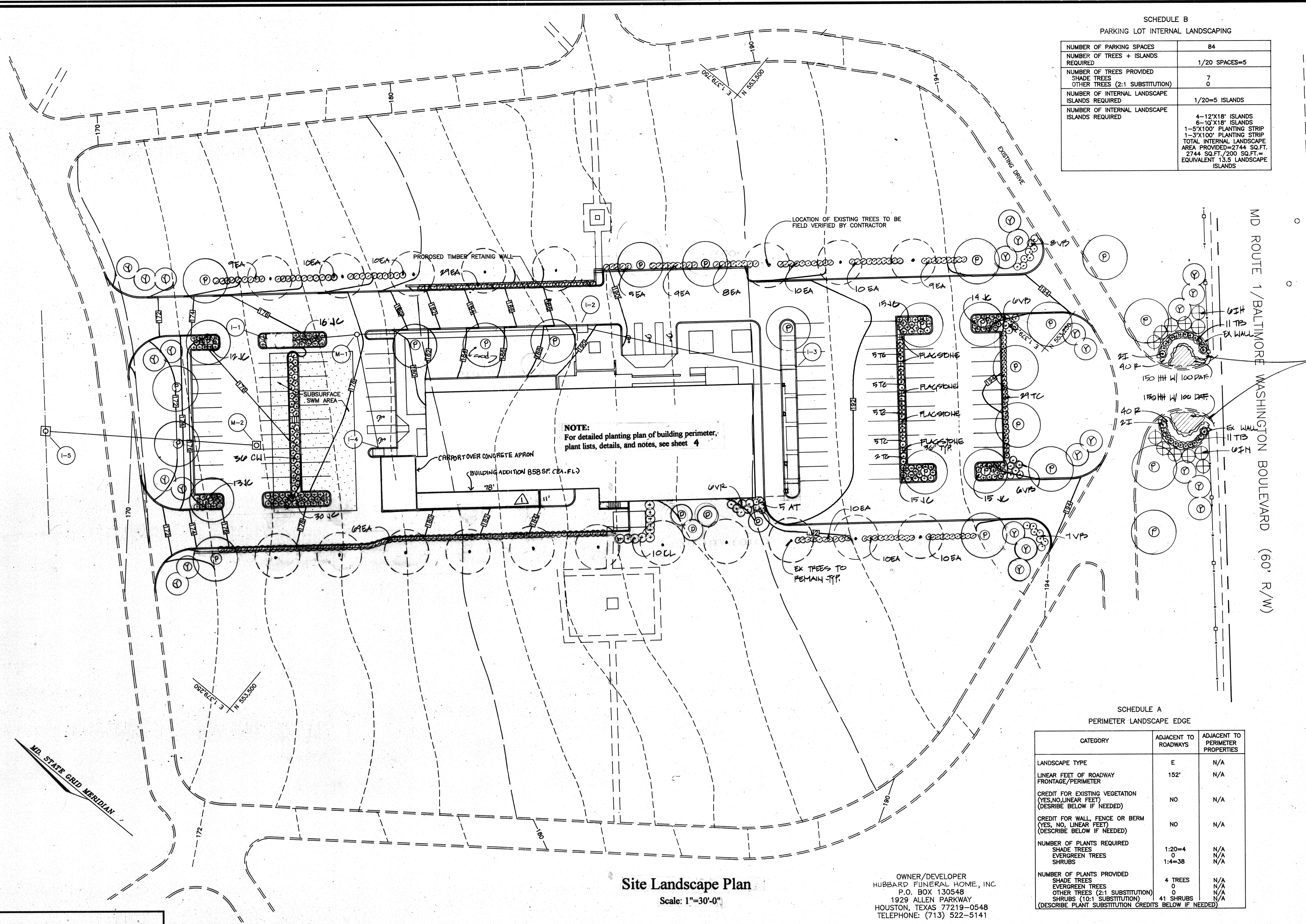
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 Signature: [Signature] DATE: 1/12/95  
 DIRECTOR  
 Signature: [Signature] DATE: 1/11/95  
 CHIEF, LAND DEVELOPMENT AND RESEARCH  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 APPROVED: [Signature] DATE: 1/3/95  
 DIRECTOR  
 Signature: [Signature] DATE: 1/3/95  
 CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 Signature: [Signature] DATE: 1/9/95  
 COUNTY HEALTH OFFICER

SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER
MEADOWRIDGE MEMORIAL PARK	N/A	178
PLAT NO.	BLOCK NO.	ZONE
L.151/F.32	22&23	M-1
TAX/ZONE	ELECT. DIST.	CENSUS TR.
37	1ST	6012
B 01	2320000	
WATER CODE	SEWER CODE	

SCHEDULE B  
PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	84
NUMBER OF TREES + ISLANDS REQUIRED	1/20 SPACES=5
NUMBER OF TREES PROVIDED	7
SHADE TREES	0
OTHER TREES (2:1 SUBSTITUTION)	0
NUMBER OF INTERNAL LANDSCAPE ISLANDS REQUIRED	1/20=5 ISLANDS
NUMBER OF INTERNAL LANDSCAPE ISLANDS PROVIDED	4-12'X18' ISLANDS 6-10'X18' ISLANDS 1-5'X100' PLANTING STRIP 1-3'X100' PLANTING STRIP TOTAL INTERNAL LANDSCAPE AREA PROVIDED=2744 SQ.FT. 2744 SQ.FT./200 SQ.FT.= EQUIVALENT 13.5 LANDSCAPE ISLANDS



NOTE:  
For detailed planting plan of building perimeter, plant lists, details, and notes, see sheet 4

EX TREE TO BE REMOVED & STUMPS ON BOTH SIDES OF ENTRY TO BE GROUND 18" BELOW SURFACE

- NOTES:
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISION OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
  - FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$1,100.00.

FOR REVISION #1 ONLY:



SCHEDULE A  
PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO PERIMETER PROPERTIES
LANDSCAPE TYPE	E	N/A
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	152'	N/A
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	N/A
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	N/A
NUMBER OF PLANTS REQUIRED		
SHADE TREES	1:20=4	N/A
EVERGREEN TREES	0	N/A
SHRUBS	1:4=38	N/A
NUMBER OF PLANTS PROVIDED		
SHADE TREES	4 TREES	N/A
EVERGREEN TREES	0	N/A
OTHER TREES (2:1 SUBSTITUTION)	0	N/A
SHRUBS (10:1 SUBSTITUTION)	41 SHRUBS	N/A

Site Landscape Plan  
Scale: 1"=30'-0"

OWNER/DEVELOPER  
HUBBARD FUNERAL HOME, INC.  
P.O. BOX 130548  
1929 ALLEN PARKWAY  
HOUSTON, TEXAS 77219-0548  
TELEPHONE: (713) 522-5141

NO.	TWO STORY BLDG. ADD. AND CARPORT REVISION	9.19.05
		DATE

MEADOWRIDGE MEMORIAL PARK  
FUNERAL HOME  
LANDSCAPE PLAN  
TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 17B  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

MARKS-VOGEL ASSOCIATES, INC.  
ENGINEERS - SURVEYORS - PLANNERS  
3691 PARK AVENUE, SUITE 101 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: (410) 461-5828 FAX: (410) 465-3966

DESIGN BY: KAF  
DRAWN BY: KAF  
CHECKED BY: [Signature]  
DATE: 4-24-94  
SCALE: 1"=30'  
W.O. NO.: 93-08  
3 SHEET OF 8

Rolling Acres Landscape, Inc.  
2630 SPENCERVILLE ROAD  
BURTONSVILLE, MARYLAND 20866  
PHONE (301) 421-0111  
FAX (301) 421-9649

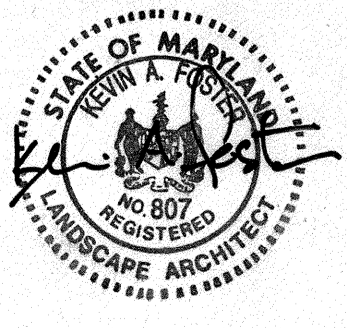
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
[Signature] 1/12/95  
DIRECTOR DATE

APPROVED: [Signature] 1/11/95  
CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
[Signature] 1/9/95  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
[Signature] 1/3/95  
DIRECTOR DATE

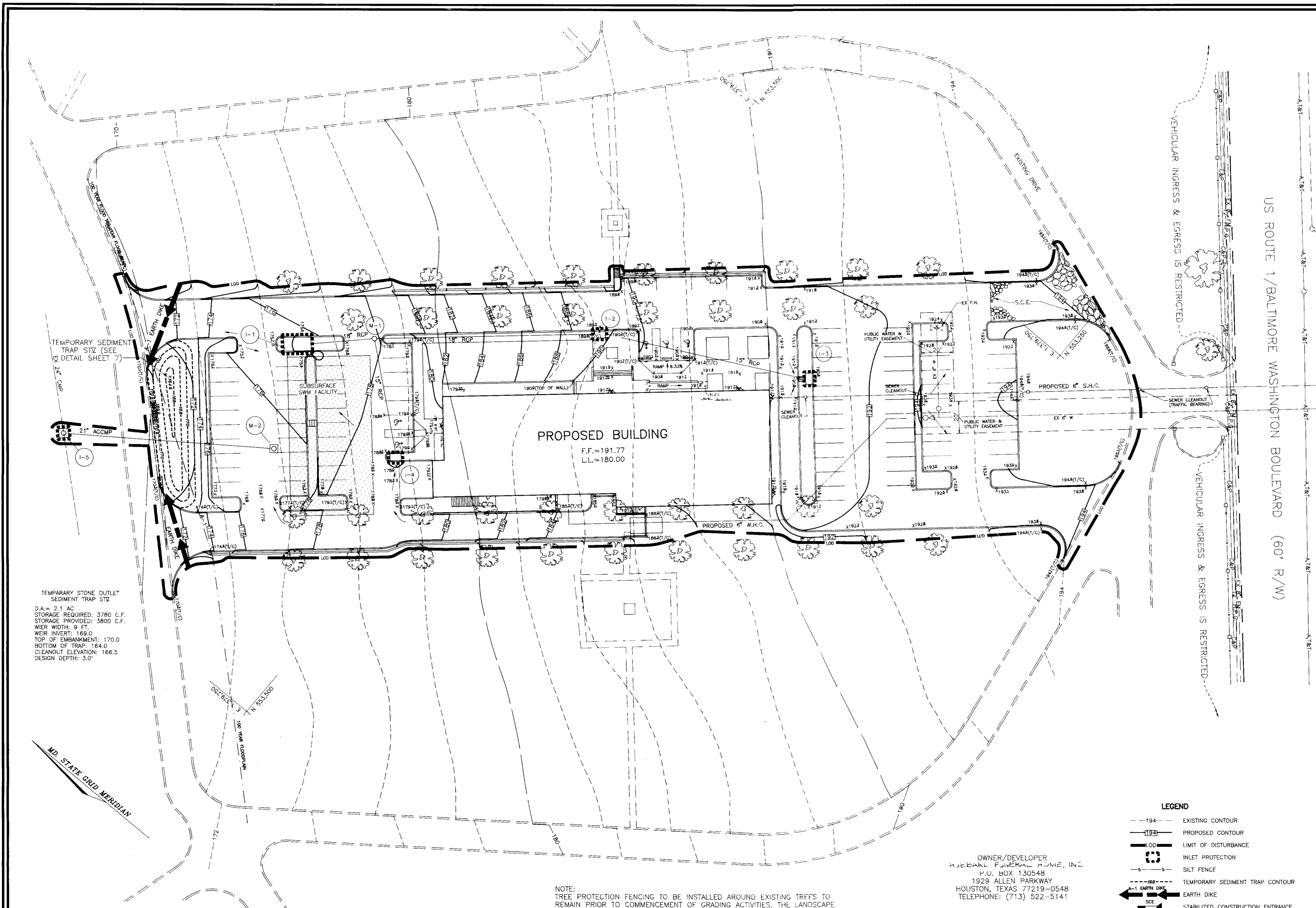
SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER
MEADOWRIDGE MEMORIAL PARK	N/A	17B
DEED REF	BLOCK NO.	ZONE
L 151/E 32	22 & 23	M-1
TAX/ZONE	ELECT. DIST.	CENSUS TR.
37	1ST	6012
B 01	2320000	
WATER CODE	SEWER CODE	



SDP 94-121

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT. 1 DAY
2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS (313-1880) AT LEAST 24 HOURS BEFORE STARTING ANY WORK. 2 DAYS
3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. 1 DAY
4. INSTALL PERIMETER SEDIMENT CONTROL MEASURES AND CONSTRUCT TEMPORARY SEDIMENT TRAP. 2 DAYS
5. INSTALL TREE PROTECTION FENCING AROUND DRIPLINE OUTSIDE ROWS OF TREES TO BE SAVED. 1 DAY
6. REMOVE INSIDE ROW OF TREES AND ROUGH GRADE SITE. 3 DAYS
7. BEGIN BUILDING CONSTRUCTION. 2 WEEKS
8. CONSTRUCT STORM DRAINAGE SYSTEM, STORMWATER MANAGEMENT AND OTHER SITE UTILITIES. 1 DAY
9. PROTECT STORMDRAINAGE AND STORMWATER MANAGEMENT SYSTEMS FROM SEDIMENT. INSTALL INLET PROTECTION AND MAINTAIN. 1 DAY
10. CONSTRUCT AND BACKFILL RETAINING WALLS. 1 WEEK
11. GRADE SITE AND PROVIDE COMPACTION IN ACCORDANCE WITH SUPERVISING GEOTECHNICAL ENGINEER REQUIREMENTS. 1 WEEK
12. CONSTRUCT PARKING LOTS, DRIVEWAYS AND SIDEWALKS. 3 WEEKS
13. INSTALL LANDSCAPING. 1 WEEK
14. DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDED NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN HEREON.
15. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
  - A. 7 CALENDER DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
  - B. 14 CALENDER DAYS FOR ALL OTHER DISTURBED AREA.
16. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT CONTROL STRUCTURES.



TEMPORARY SEDIMENT TRAP SIX (SEE DETAIL SHEET 7)

21\"/>

TEMPORARY STONE OUTLET SEDIMENT TRAP SIX

D.A. = 2.1 AC  
 STORAGE REQUIRED: 3780 C.F.  
 STORAGE PROVIDED: 3800 C.F.  
 WEIR WIDTH: 9 FT.  
 WEIR INVERT: 169.0  
 TOP OF EMBANKMENT: 170.0  
 BOTTOM OF TRAP: 164.0  
 CLEANOUT ELEVATION: 166.5  
 DESIGN DEPTH: 3.0'

PROPOSED BUILDING  
 F.F.=191.77  
 L.L.=180.00

US ROUTE 1/BALTIMORE WASHINGTON BOULEVARD (60' R/W)

VEHICULAR INGRESS & EGRESS IS RESTRICTED

MD. STATE GRID MERIDIAN

NOTE:  
 TREE PROTECTION FENCING TO BE INSTALLED AROUND EXISTING TREES TO REMAIN PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES. THE LANDSCAPE ARCHITECT IS TO BE UTILIZED FOR PRUNING OF TREE ROOTS.

OWNER/DEVELOPER  
 HUBBARD FUNERAL HOME, INC.  
 P.O. BOX 130548  
 1929 ALLEN PARKWAY  
 HOUSTON, TEXAS 77219-0548  
 TELEPHONE: (713) 522-5141

- LEGEND
- 194- EXISTING CONTOUR
  - 192- PROPOSED CONTOUR
  - 00- LIMIT OF DISTURBANCE
  - INLET PROTECTION
  - SILT FENCE
  - 166- TEMPORARY SEDIMENT TRAP CONTOUR
  - 1-1 EARTH DIKE
  - SCS
  - STABILIZED CONSTRUCTION ENTRANCE

NO.	REVISION	DATE

MEADOWRIDGE MEMORIAL PARK  
 FUNERAL HOME  
 GRADING PLAN AND EROSION &  
 SEDIMENT CONTROL

TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101  
 ELLICOTT CITY, MARYLAND 21043

TELEPHONE: (410) 461-5828  
 FAX: (410) 465-3968

ENGINEERS 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT

*John H. O'Connell* 12/19/94  
 SIGNATURE OF ENGINEER DATE

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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.

HUBBARD FUNERAL HOME, INC.  
*Curtis G. Briggs* 12/15/94  
 CURTIS G. BRIGGS, VICE PRESIDENT DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Patricia Engle* 12/17/94  
 U. S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED:  
*Gregg W. Hill* 12/15/94  
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*James J. Smith* 1/18/95  
 DIRECTOR DATE

*Gina Swimmery* 1/11/95  
 CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED:  
*James J. Smith* 1/18/95  
 DIRECTOR DATE

APPROVED:  
*Robert J. Jones* 1/3/95  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

*Joyce M. Brundage* 1/9/95  
 COUNTY HEALTH OFFICER DATE

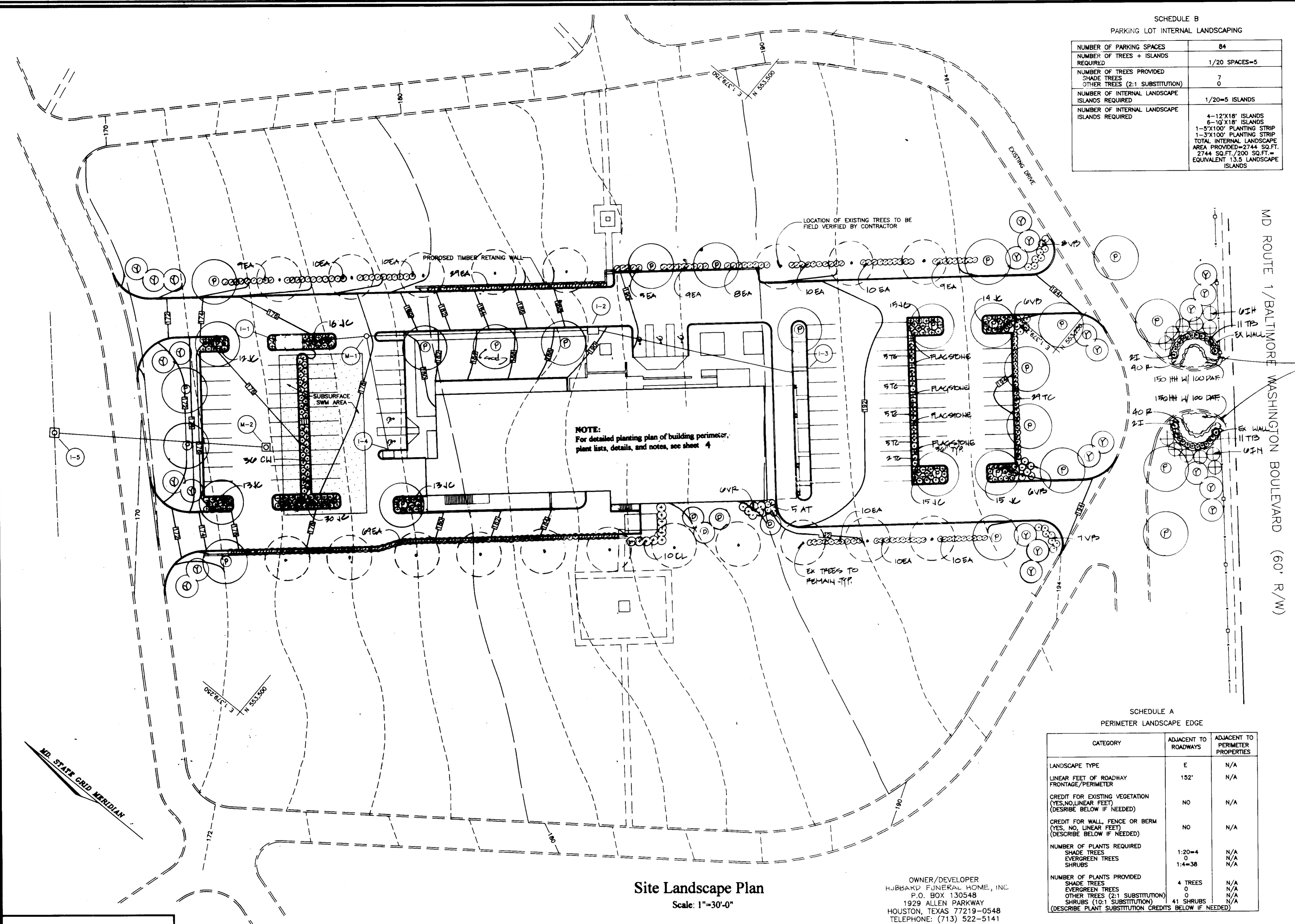
SUBDIVISION NAME MEADOWRIDGE MEMORIAL PARK	SECTION/AREA N/A	PARCEL NUMBER 178
PLAT NO. L151/F.32	BLOCK NO. 22&23	ZONE M-1
TAX/ZONE 37	ELECT. DIST. 15T	CENSUS TR. 6012
B 01	2320000	
WATER CODE	SEWER CODE	

DESIGN BY: R.H.V.  
 DRAWN BY: D.G.H.  
 CHECKED BY: R.H.V.  
 DATE: APRIL, 1994  
 SCALE: 1"=30'  
 W.O. NO.: 93-08

2 SHEET OF 8

SCHEDULE B  
PARKING LOT INTERNAL LANDSCAPING

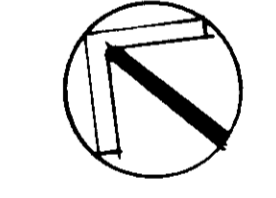
NUMBER OF PARKING SPACES	84
NUMBER OF TREES + ISLANDS REQUIRED	1/20 SPACES=5
NUMBER OF TREES PROVIDED	7
SHADE TREES	0
OTHER TREES (2:1 SUBSTITUTION)	7
NUMBER OF INTERNAL LANDSCAPE ISLANDS REQUIRED	1/20=5 ISLANDS
NUMBER OF INTERNAL LANDSCAPE ISLANDS PROVIDED	4-12'x18" ISLANDS 6-10'x18" ISLANDS 1-8'x100' PLANTING STRIP 1-3'x100' PLANTING STRIP TOTAL INTERNAL LANDSCAPE AREA PROVIDED=2744 SQ.FT. 2744 SQ.FT./200 SQ.FT. = EQUIVALENT 13.5 LANDSCAPE ISLANDS



NOTE:  
For detailed planting plan of building perimeter, plant lists, details, and notes, see sheet 4

EX TREE TO BE REMOVED & STUMPS ON BOTH SIDES OF ENTRY TO BE GROUND 18" BELOW SURFACE

- NOTES:
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISION OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
  - FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPER AGREEMENT IN THE AMOUNT OF \$1,100.00.



SCHEDULE A  
PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO PERIMETER PROPERTIES
LANDSCAPE TYPE	E	N/A
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	152'	N/A
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	N/A
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	N/A
NUMBER OF PLANTS REQUIRED		
SHADE TREES	1:20=4	N/A
EVERGREEN TREES	0	N/A
SHRUBS	1:4=38	N/A
NUMBER OF PLANTS PROVIDED		
SHADE TREES	4 TREES	N/A
EVERGREEN TREES	0	N/A
OTHER TREES (2:1 SUBSTITUTION)	0	N/A
SHRUBS (10:1 SUBSTITUTION)	41 SHRUBS	N/A
(DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)		

Site Landscape Plan  
Scale: 1"=30'-0"

OWNER/DEVELOPER  
HUBBARD FUNERAL HOME, INC.  
P.O. BOX 130548  
1929 ALLEN PARKWAY  
HOUSTON, TEXAS 77219-0548  
TELEPHONE: (713) 522-5141

Rolling Acres Landscape, Inc.  
2630 SPENCERVILLE ROAD  
BURTONSVILLE, MARYLAND 20866  
PHONE (301) 421-0111  
FAX (301) 421-9649

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*Joseph S. Sauter* 1/12/95  
DIRECTOR DATE

*Anna J. Jaramila* 1/19/95  
CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Jama G. Lewis* 1/14/95  
DIRECTOR DATE

*Paul R. Brown* 1/3/95  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*James M. Boyd* 1/9/95  
COUNTY HEALTH OFFICER DATE

SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER
MEADOWRIDGE MEMORIAL PARK	N/A	178
DEED REF. L 151/P 32	BLOCK NO. 22 & 23	ZONE M-1
TAX/ZONE 37	ELECT. DIST. 1ST	CENSUS TR. 6012
B 01	2320000	SEWER CODE

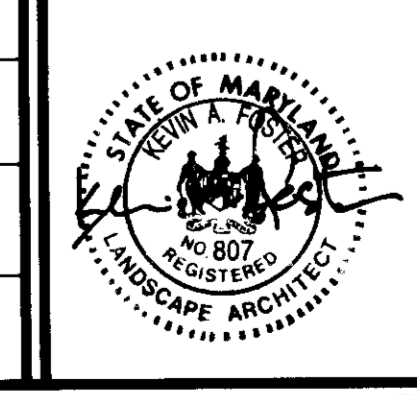
NO.	REVISION	DATE

MEADOWRIDGE MEMORIAL PARK  
FUNERAL HOME  
LANDSCAPE PLAN

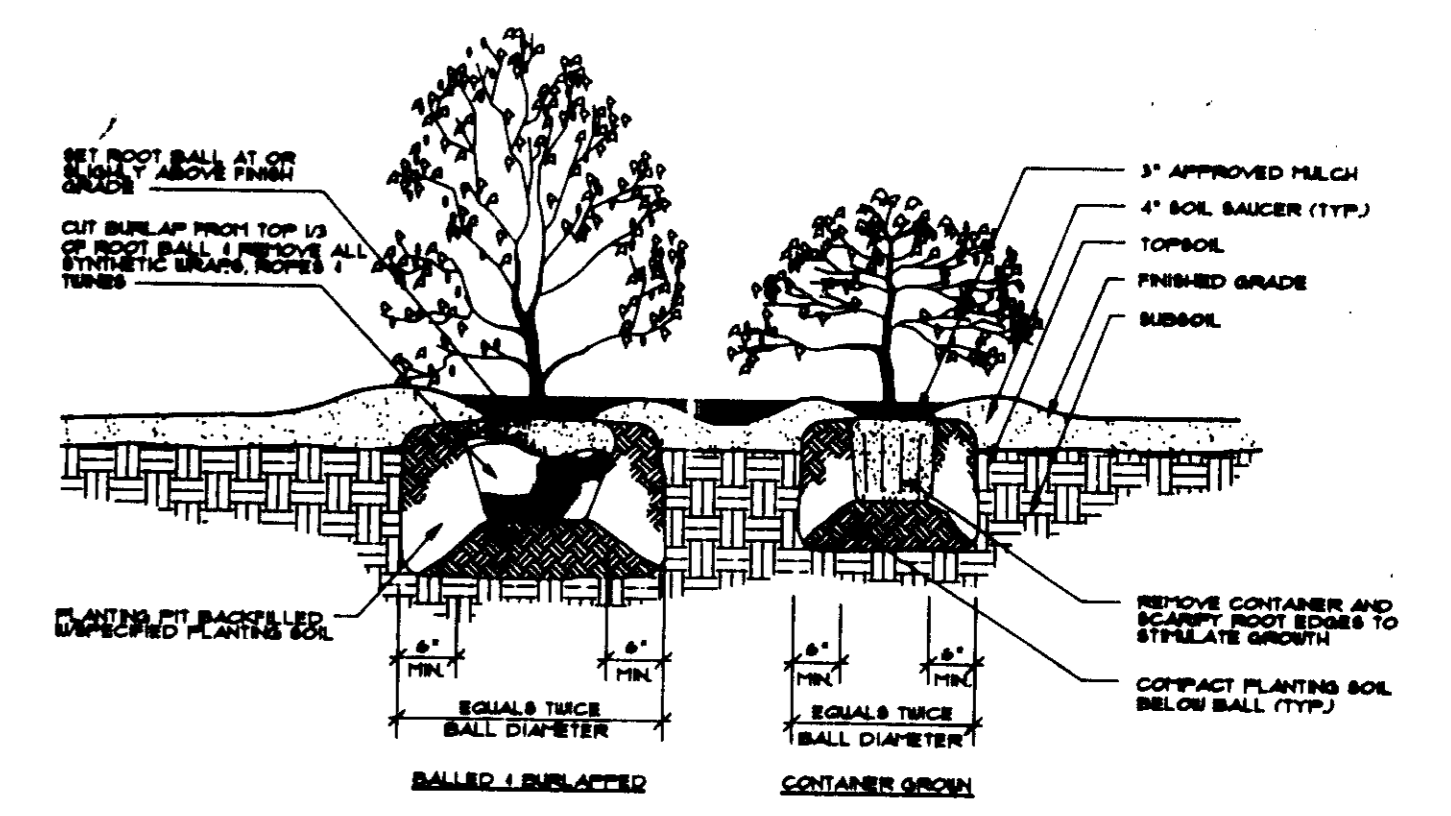
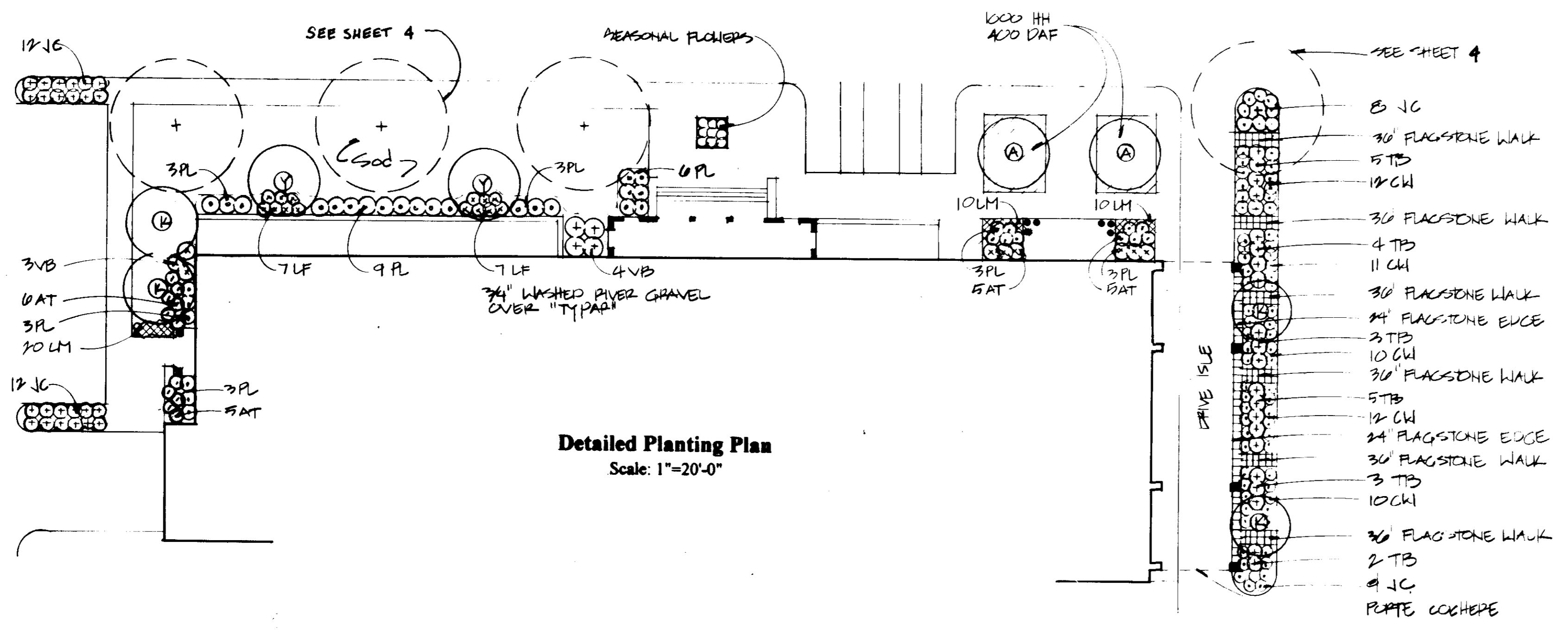
TAX MAP #37 DEED REFERENCE 151/32 PARCEL 178  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

MARKS-VOGEL ASSOCIATES, INC.  
ENGINEERS - SURVEYORS - PLANNERS

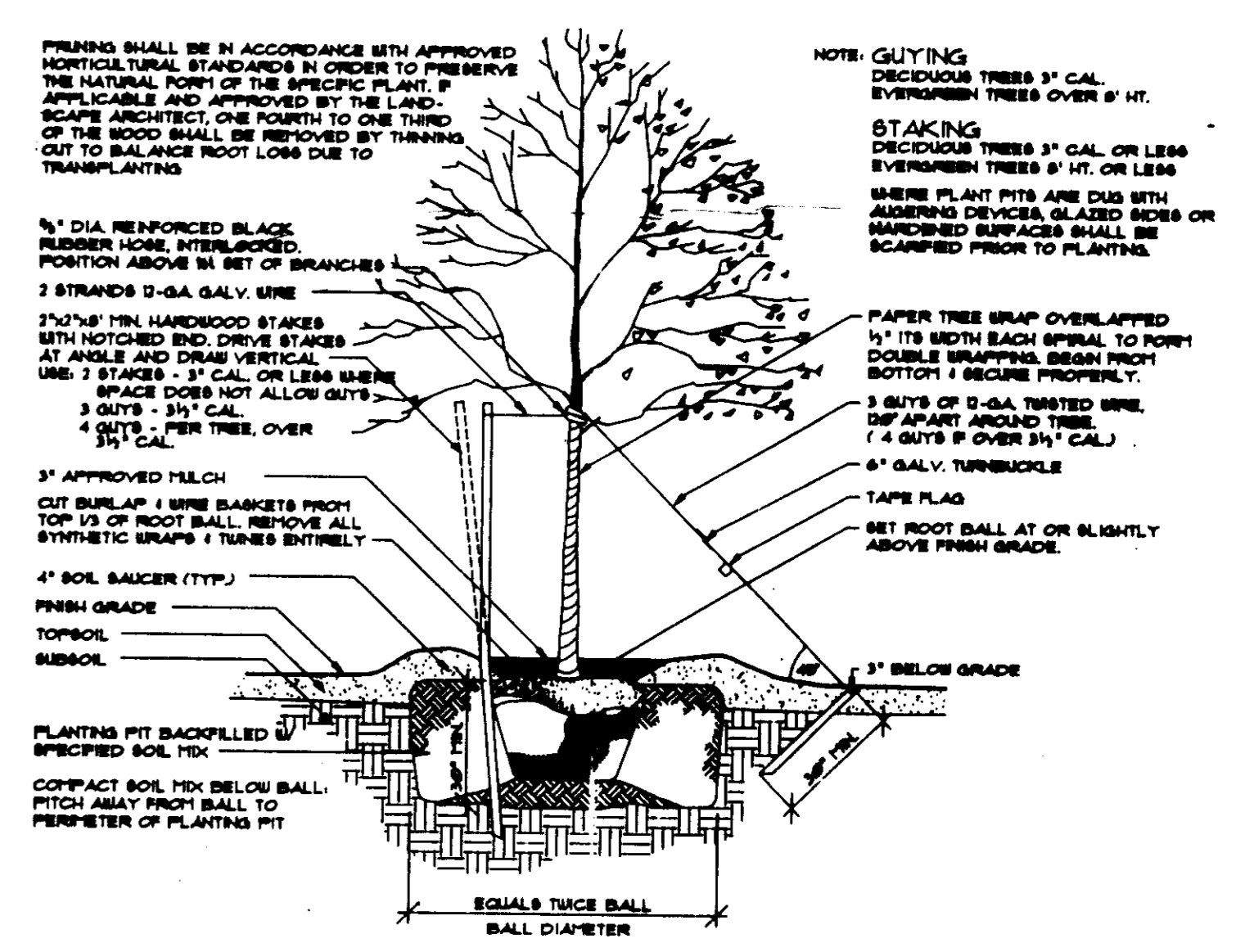
3691 PARK AVENUE, SUITE 101  
ELLCOTT CITY, MARYLAND 21043  
TELEPHONE: (410) 461-5888  
FAX: (410) 468-3998



DESIGN BY: *KAF*  
DRAWN BY: *LAF*  
CHECKED BY:  
DATE: 4-29-94  
SCALE: 1"=30'  
W.D. NO.: 93-08



Shrub Planting Detail - No Scale



Tree Planting Detail - No Scale

**Plant List**

Key	Qty	Botanical Name	Size	Cont.	Comments
<b>TREES</b>					
A	2	Acer palmatum Bloodgood	5'-6"ht.	B&B	Matched
D	4	Bloodgood Japanese Maple	5'-6"ht.	B&B	
K	4	Cornus florida rubra	5'-6"ht.	B&B	Matchrd
P	20	Quercus palustris	3-1/2" cal.	B&B	
Y	27	Prunus yedoensis	2" cal.	B&B	
<b>SHRUBS</b>					
AT	26	Azalea "Tradition"	18"-24"ht.	Cont.	
CW	91	Cotoneaster repandens	18"-24" Sp.	Cont.	
EA	208	Euonymus alatus compacta	24"-30" ht.	B&B	
IN	12	Illex X Nellie Stevens	5'-6" ht.	B&B	
JC	174	Juniperus ch. "Sea Green"	18"-24" Sp.	Cont.	
LF	14	Leucothoe font. "Rainbow"	18"-24"sp.	Cont.	
PL	33	Prunus lar. "Otto Luytka"	24"-30" sp.	B&B	
TM	51	Taxus X Media "Densaformis"	18"-24" ht.	B&B	
TB	44	Taxus beccata "Repandens"	18"-24" sp.	B&B	
VB	28	Viburnum X burkwoodii	3'-4" ht.	B&B	
<b>PERENNIALS, BULBS, &amp; GROUNDCOVERS</b>					
HH	1300	Hedera helix English Ivy	2.25 P.P.	Flats	
LM	40	Liriope muscari Purple Liriope	1 gal.	Cont.	
R	80	Rudbeckia Black-eyed Susan	1 gal.	Cont.	
DAF	600	Narcissus "King Alfred"	Top size		
		King Alfred Daffodil			

- Planting Notes**
- All Plants provided by the Contractor to be nursery grown and furnished in accordance with AAN "American Standards For Nursery Stock" ANSI Z60.1.
  - All Trees to branch symmetrically around central leader. No forked leader stock will be accepted.
  - Plant material types and sizes may vary due to market availability at time of construction. Any substitutions are to be of equivalent type and size, and must be approved in writing by the Landscape Architect. Containerized shrub stock may be substituted for B&B shrubs if approved in writing by the Landscape Architect.
  - The Contractor shall notify all utility companies five (5) days prior to beginning work.
  - Any damage to the existing utilities, buildings, paving, curbs, walls, and vegetation (not so designated for removal on these plans) shall be repaired to previous condition or replaced by the Contractor at his expense.
  - All areas disturbed during construction are to be seeded with a turf type Tall Fescue unless noted otherwise.
  - All planting procedures and specifications shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Area" latest edition.
  - All flagstone paving shall be 1-1/2" thick, 18" X 18" or 24" X 24" gray square cut flagstone set on 2" stone dust base. Subgrade shall be well compacted.
  - See sheet 3 for additional planting information.
  - All plant beds shall receive 3" of double shredded hardwood bark mulch after planting is completed.

OWNER/DEVELOPER  
HUBBARD FUNERAL HOME, INC.  
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TELEPHONE: (713) 522-5141

Rolling Acres Landscape, Inc.  
2630 SPENCERVILLE ROAD  
BURTONSVILLE, MARYLAND 20866  
PHONE (301) 421-0111  
FAX (301) 421-9649

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 1/12/95  
DIRECTOR DATE  
*[Signature]* 1/11/95  
CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*[Signature]* 1/9/95  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 1/3/95  
DIRECTOR DATE  
*[Signature]* 1/3/95  
CHIEF, BUREAU OF ENGINEERING DATE

SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER
MEADOWRIDGE MEMORIAL PARK	N/A	178
DEED REF. L151/E32	BLOCK NO. 22423	ZONE M-1
TAX/ZONE 37	ELECT. DIST. 1ST	CENSUS TR. 6012
WATER CODE B 01	SEWER CODE 2320000	

NO.	REVISION	DATE

**MEADOWRIDGE MEMORIAL PARK FUNERAL HOME LANDSCAPE DETAILS**

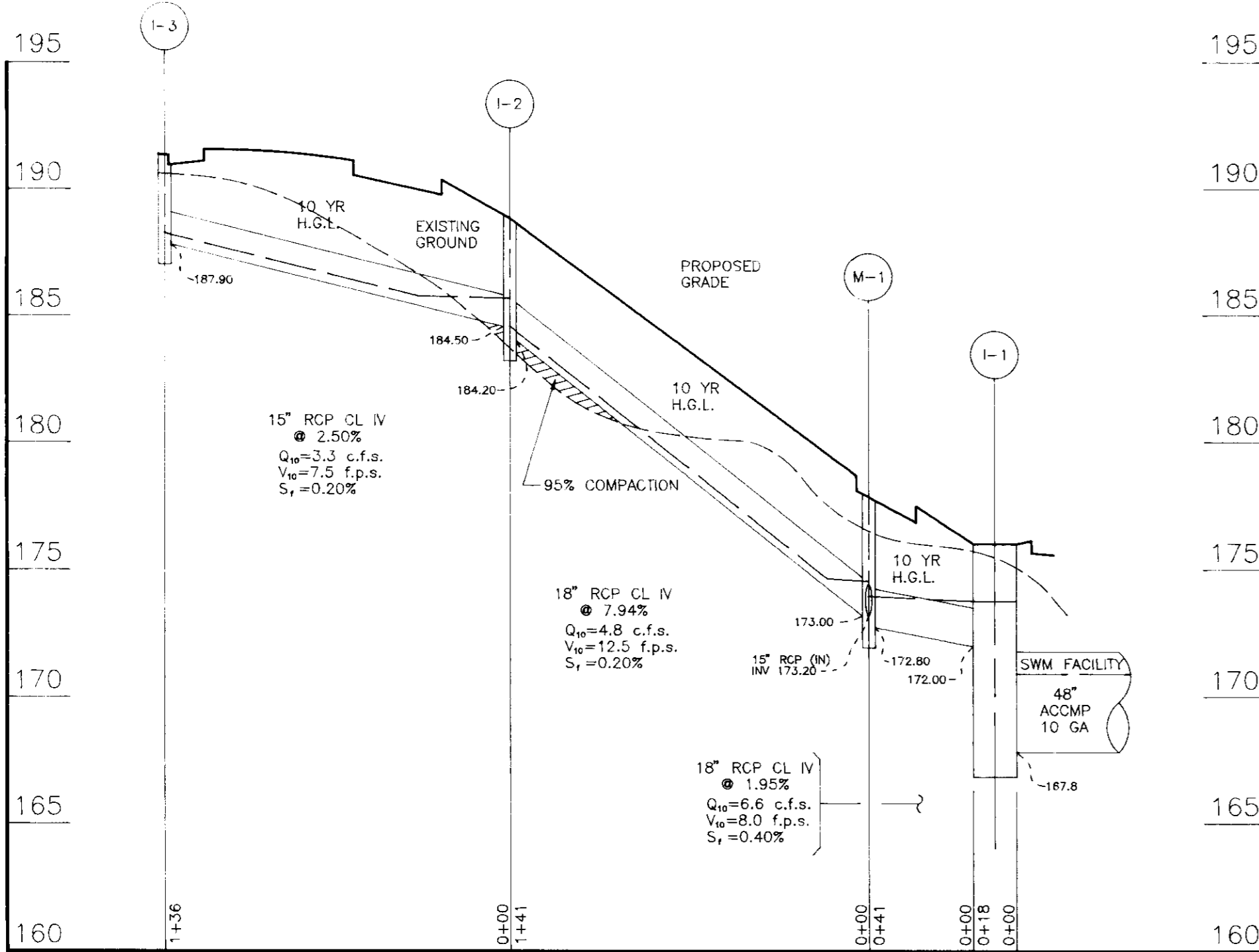
TAX MAP #37 DEED REFERENCE 151/32 PARCEL 178  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
ENGINEERS - SURVEYORS - PLANNERS

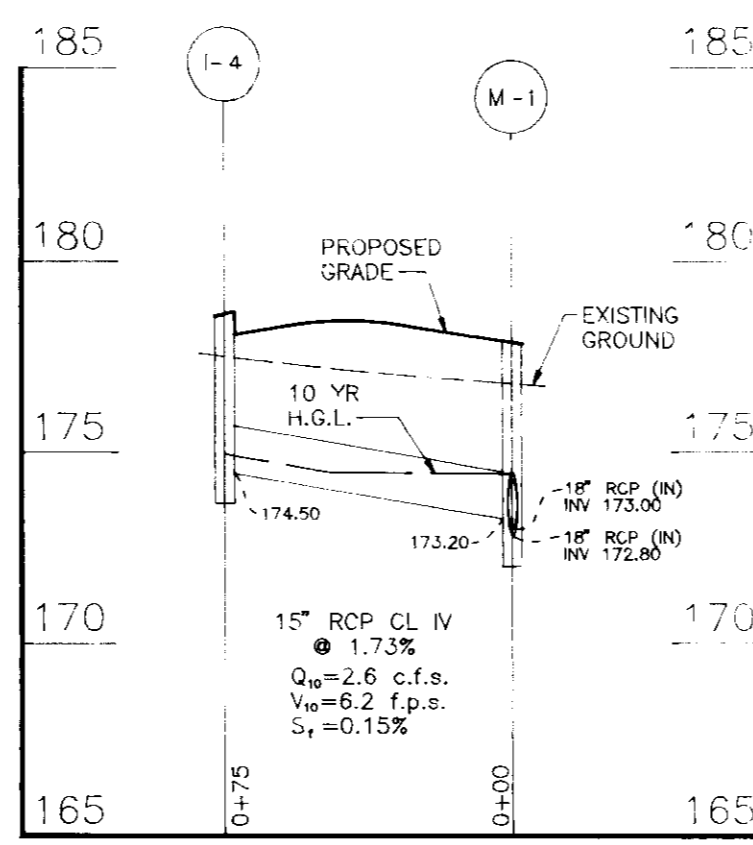
3691 PARK AVENUE, SUITE 101 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: (410) 461-6828  
FAX: (410) 466-3966

DESIGN BY: KAF  
DRAWN BY: KAF  
CHECKED BY: [Signature]  
DATE: 4-27-94  
SCALE: 1"=30'  
W.O. NO.: [Blank]

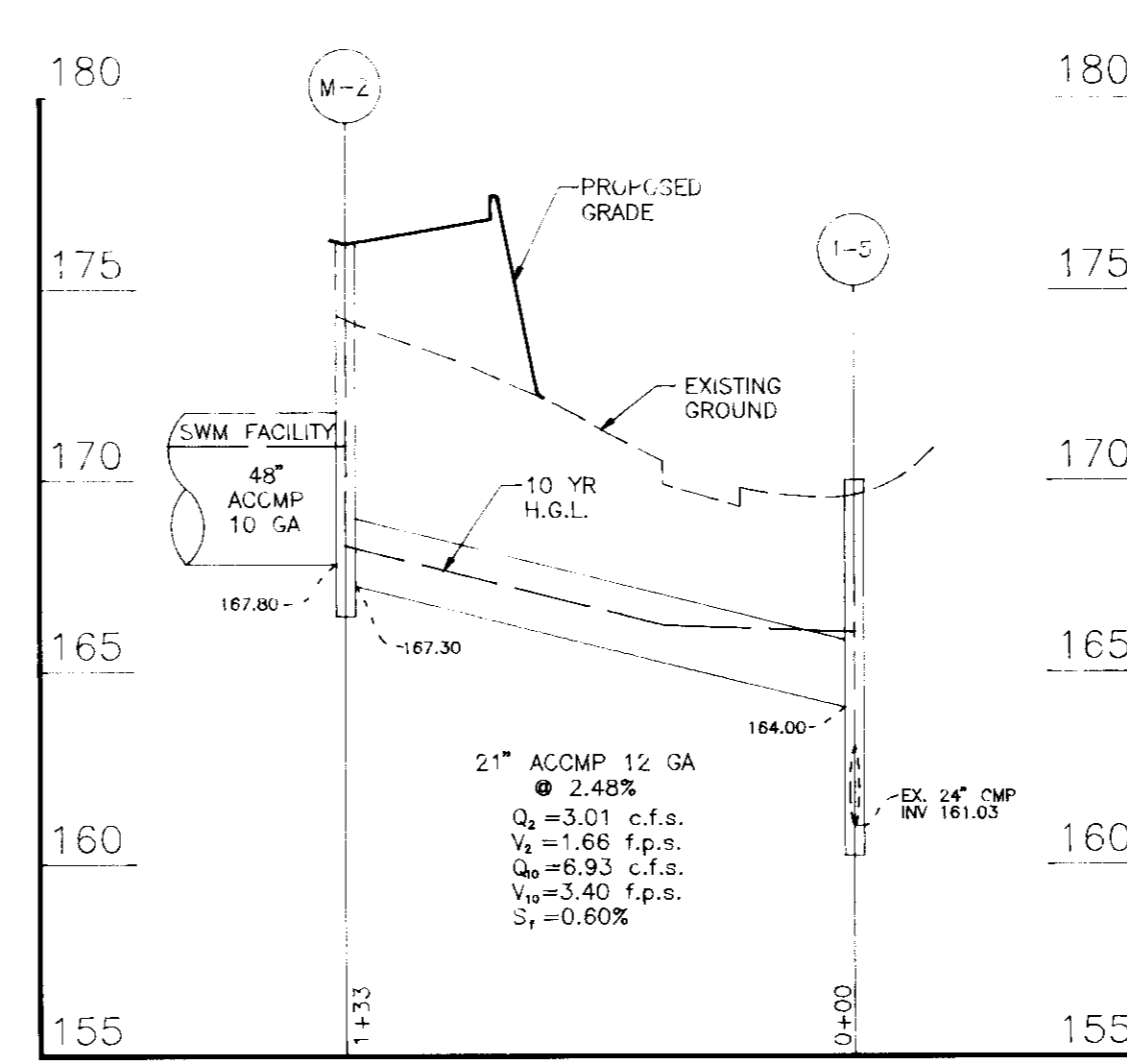
4 SHEET OF 8



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



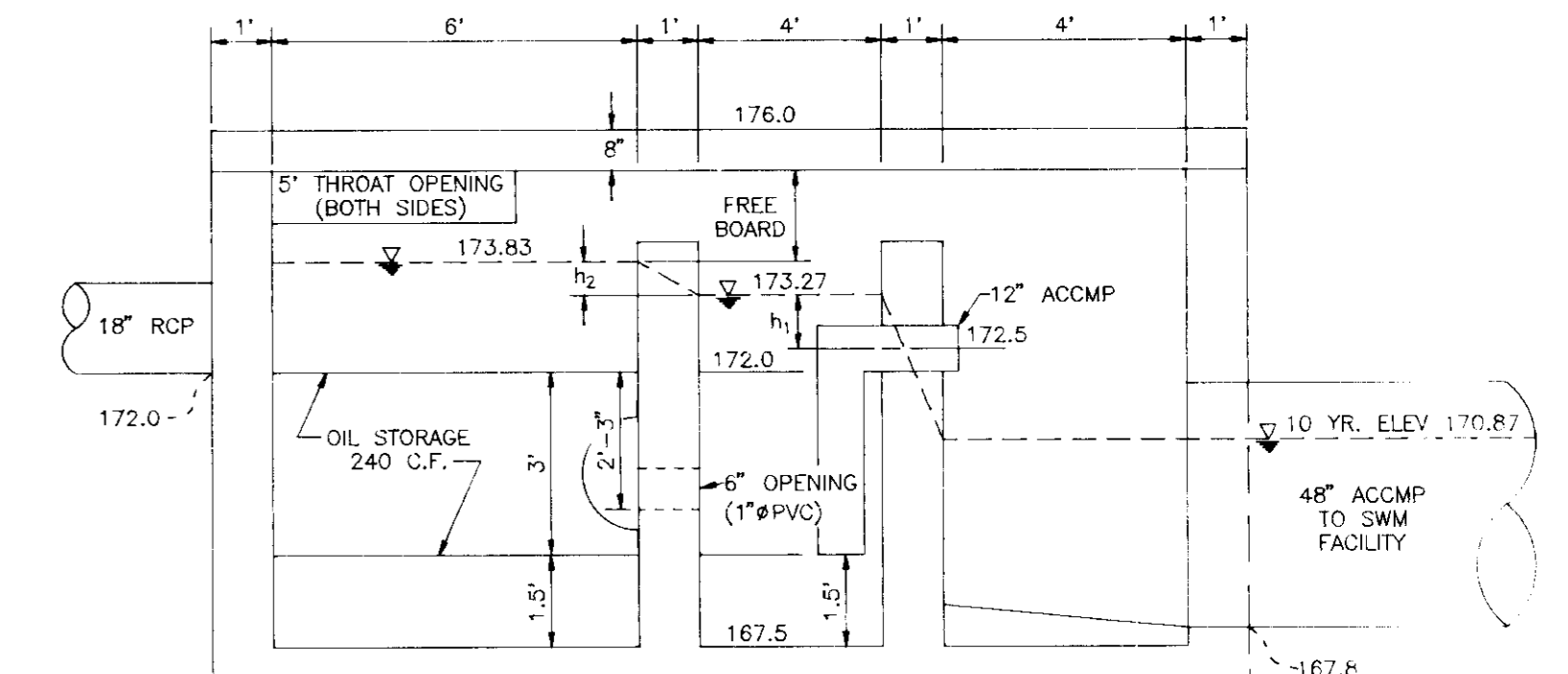
STORM DRAIN PROFILE  
SCALE: VERT. 1"=5', HORIZ. 1"=50'



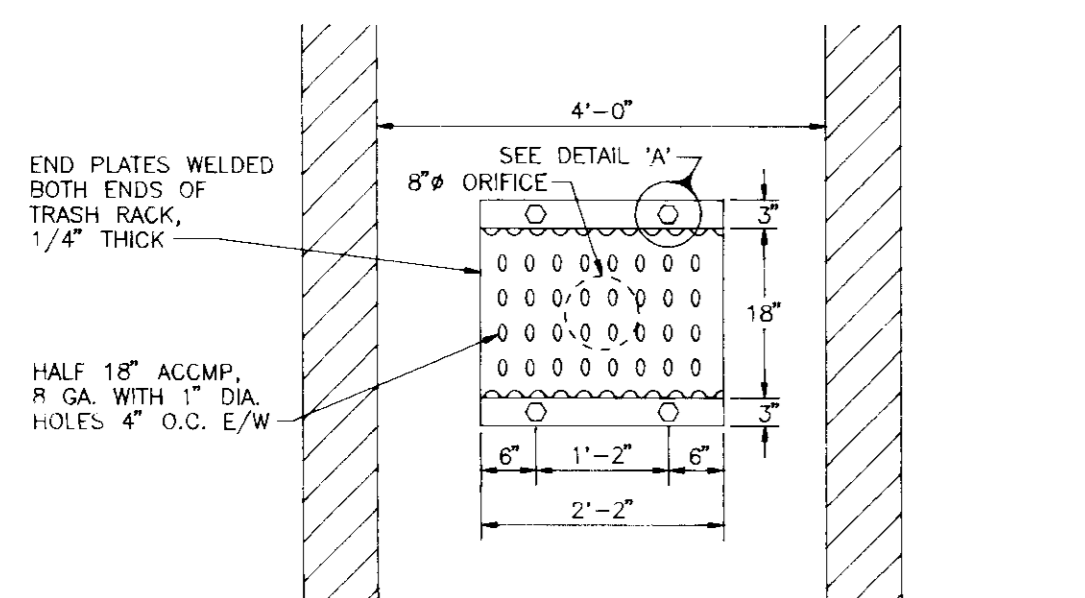
STORM DRAIN PROFILE  
SCALE: VERT. 1"=5', HORIZ. 1"=50'

STRUCTURE SCHEDULE						
NO.	TYPE	TOP ELEVATION	LOCATION	INV IN	INV OUT	REMARKS
I-1	PRECAST OIL & GRIT SEPARATOR INLET	176.00	E 'A' STA. 1+83.46 12.00' RIGHT	172.00	167.80	HOWARD COUNTY STD. DETL. W3.27 AND DETAIL THIS SHEET
I-2	PRECAST STD. TYPE A-10 INLET	189.80	E 'A' STA. 3+81.86 12.00' RIGHT	184.50	184.20	HOWARD COUNTY STD. DETL. SD 4.42
I-3	PRECAST STD. TYPE A-9 INLET	191.40	E 'A' STA. 5+15.69 45.48' RIGHT	-	187.90	HOWARD COUNTY STD. DETL. SD 4.41
I-4	PRECAST STD. TYPE A-9 INLET	178.60	E 'B' STA. 2+61.16 43.10' LEFT	-	174.50	HOWARD COUNTY STD. DETL. SD 4.41
M-1	4'-0" SHALLOW PRECAST MANHOLE	177.83	E 'A' STA. 2+40.46 14.50' RIGHT	173.00	172.80	HOWARD COUNTY STD. DETL. GE.12
M-2	5'-0" SHALLOW PRECAST MANHOLE	176.15	E 'B' STA. 2+81.93 46.53' LEFT	167.80	167.30	HOWARD COUNTY STD. DETL. SD.03 MODIFIED TO INCLUDE FLOW CONTROL BAFFLE
I-5	PRECAST STD. TYPE C INLET	169.20	E 'B' STA. 0+17.00 19.39' RIGHT	161.05	161.00	HOWARD COUNTY STD. DETL. SP 4.39

\*NOTE: THROAT INVERT



PRECAST OIL & GRIT SEPARATOR SCHEMATIC DETAIL  
SEE HOWARD COUNTY STD. DETAIL W3.27  
NOT TO SCALE



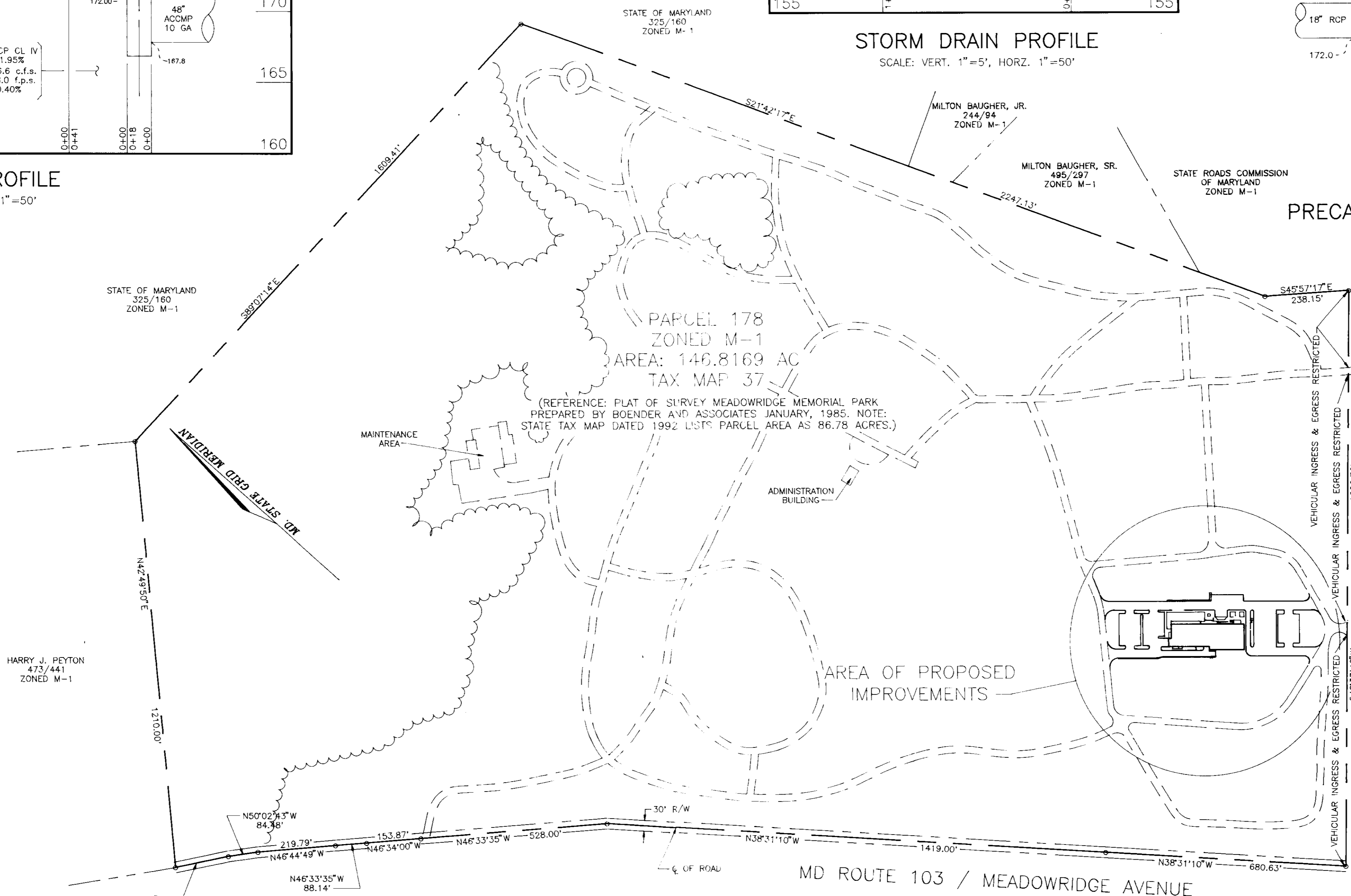
DETAIL 'A'

LOW FLOW TRASH RACK FOR STRUCTURE M-2  
NOT TO SCALE

STORMWATER MANAGEMENT FACILITY

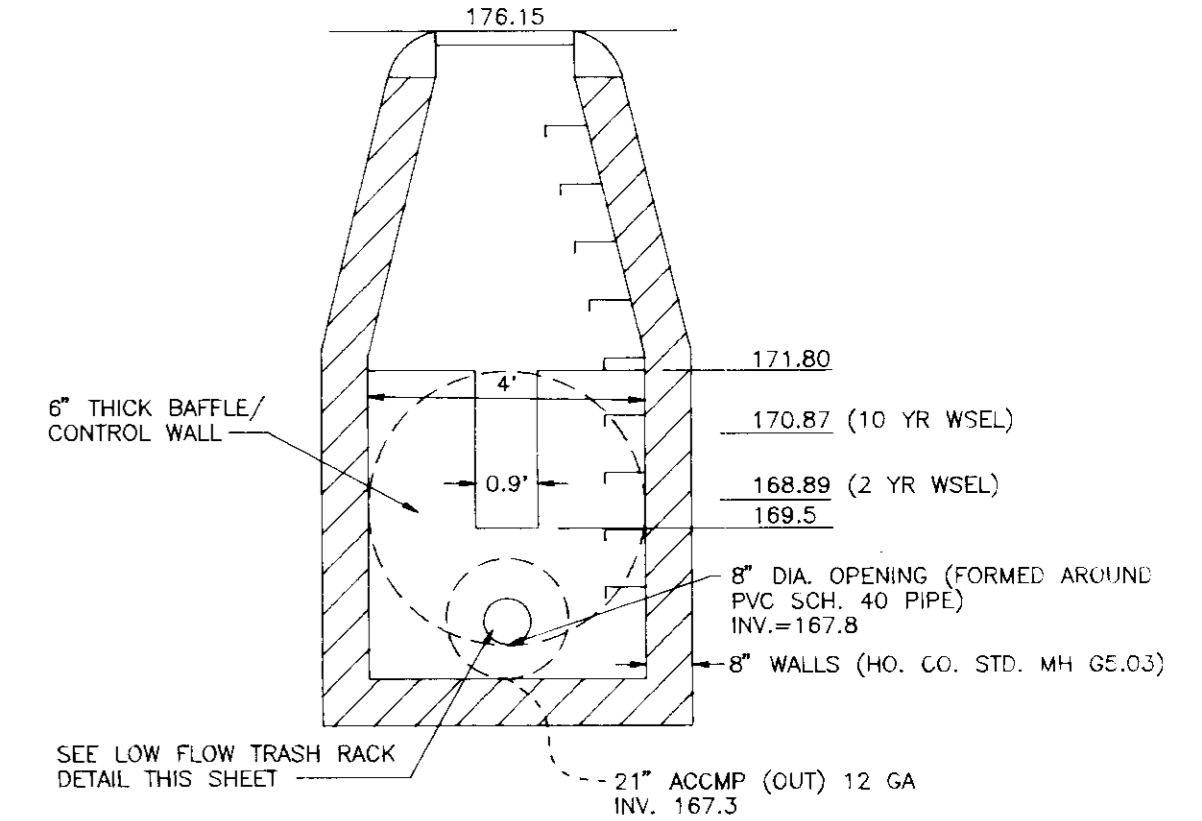
	Q <sub>s</sub>	Q <sub>w</sub>
ALLOWABLE RELEASE RATE (TOTAL)	2.98 c.f.s.	7.20 c.f.s.
INFLOW	6.93 c.f.s.	11.60 c.f.s.
DISCHARGE (FACILITY)	2.94 c.f.s.	6.90 c.f.s.
DISCHARGE (TOTAL)	3.01 c.f.s.	7.03 c.f.s.
ELEVATION	169.89	170.87
DRAINAGE AREA	0.175 AC-FT	0.225 AC-FT

HARRY J. PEYTON  
473/441  
ZONED M-1



PARCEL BOUNDARY  
SCALE: 1"=200'

U.S. ROUTE 1 (BALT. WASH. BLVD)  
60' R/W



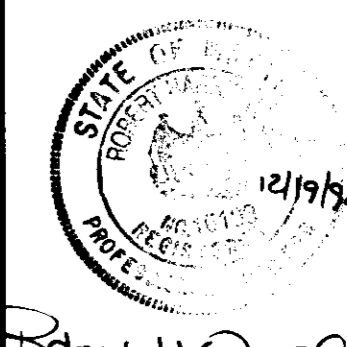
MANHOLE 2 FLOW CONTROL BAFFLE SCHEMATIC DETAIL  
SEE HOWARD COUNTY STD. DETAIL GS.03  
NOT TO SCALE

NO.	REVISION	DATE

MEADOWRIDGE MEMORIAL PARK FUNERAL HOME  
STORMDRAIN PROFILES, DETAILS & PARCEL BOUNDARY  
TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

MARKS-VOGEL ASSOCIATES, INC.  
ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 TELICOTT CITY, MARYLAND 21045 TELEPHONE: (410) 461-5629 FAX: (410) 461-5966



DESIGN BY: R.H.V.  
DRAWN BY: D.G.H.  
CHECKED BY: R.H.V.  
DATE: APRIL 1994  
SCALE: AS SHOWN  
W.O. NO.: 93-08

5 SHEET OF 8

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

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

U. S. SOIL CONSERVATION SERVICE DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

MEADOWRIDGE MEMORIAL PARK SECTION/AREA N/A PARCEL NUMBER 178

PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE	ELECT. DIST.	CENSUS TR.
L151/F.32	22&23	M-1	37	1ST	6051

WATER CODE B01 SEWER CODE 2320000

HOWARD SOIL CONSERVATION DISTRICT DATE

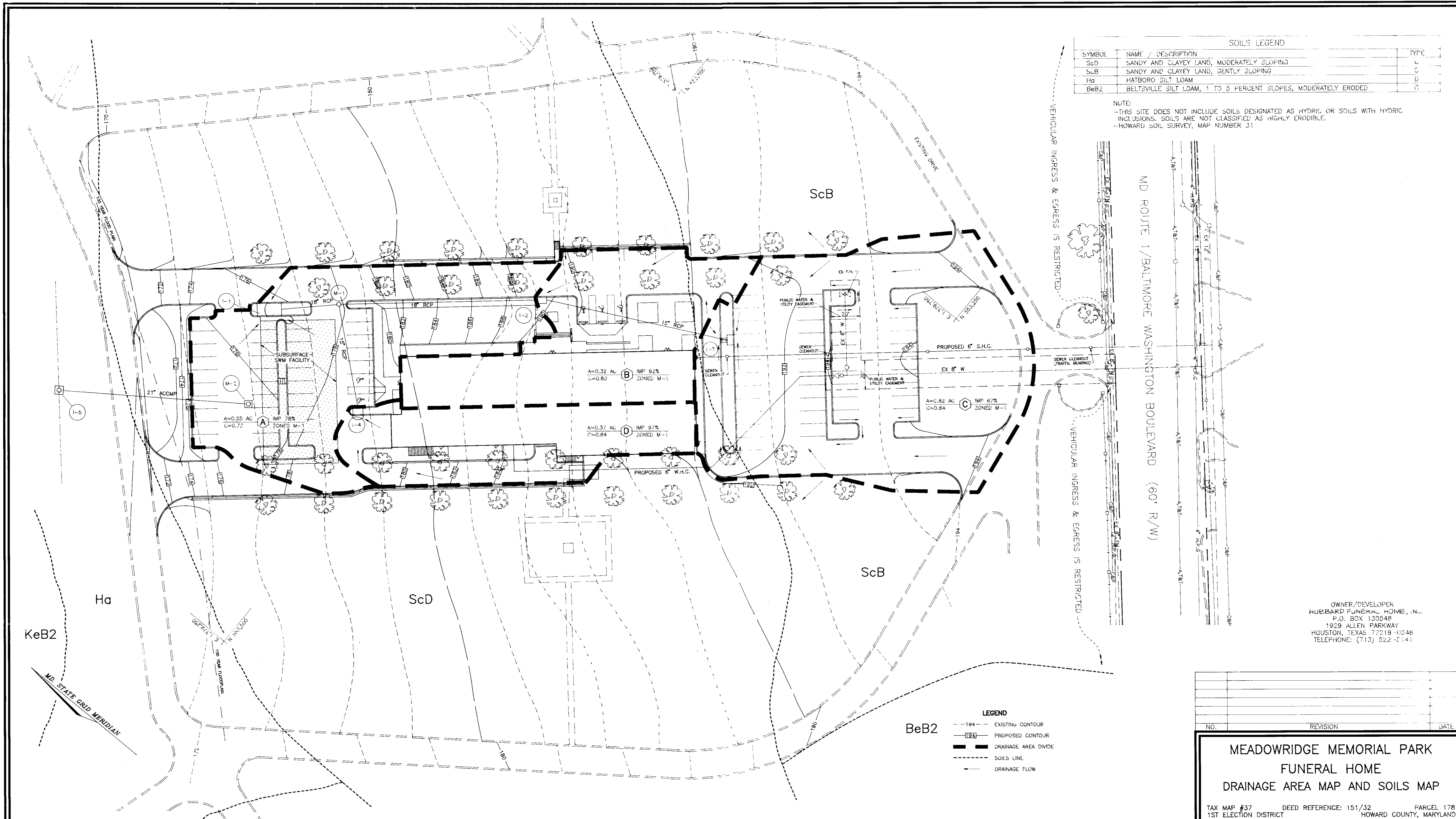
DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING DATE



SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	TYPE
ScD	SANDY AND CLAYEY LAND, MODERATELY SLOPING	C
ScB	SANDY AND CLAYEY LAND, GENTLY SLOPING	C
Ha	HATBORO SILT LOAM	C
BeB2	BELTSVILLE SILT LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED	C

NOTE:  
 -THIS SITE DOES NOT INCLUDE SOILS DESIGNATED AS HYDRIC OR SOILS WITH HYDRIC INCLUSIONS. SOILS ARE NOT CLASSIFIED AS HIGHLY ERODIBLE.  
 -HOWARD SOIL SURVEY, MAP NUMBER 31



OWNER/DEVELOPER  
 HUBBARD FUNERAL HOME, INC.  
 P.O. BOX 130548  
 1929 ALLEN PARKWAY  
 HOUSTON, TEXAS 77219-0548  
 TELEPHONE: (713) 522-1141

**LEGEND**

---	194	EXISTING CONTOUR
---	194	PROPOSED CONTOUR
---	---	DRAINAGE AREA DIVIDE
---	---	SOILS LINE
---	---	DRAINAGE FLOW

NO.	REVISION	DATE

**MEADOWRIDGE MEMORIAL PARK  
 FUNERAL HOME  
 DRAINAGE AREA MAP AND SOILS MAP**

TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 TELEPHONE: (410) 461-8828  
 ELLICOTT CITY, MARYLAND 21043 FAX: (410) 465-3966

DESIGN BY: R.H.V.	
DRAWN BY: D.G.H.	
CHECKED BY: R.H.V.	
DATE: APRIL, 1994	
SCALE: 1"=30'	6 SHEET OF 8
W.O. NO.: 93-08	

**ENGINEERS 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT  
 [Signature] 2/19/94  
 SIGNATURE OF ENGINEER DATE

**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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.  
 HUBBARD FUNERAL HOME, INC.  
 [Signature] 2/5/94  
 CURTIS S. BRIGGS, VICE PRESIDENT DATE

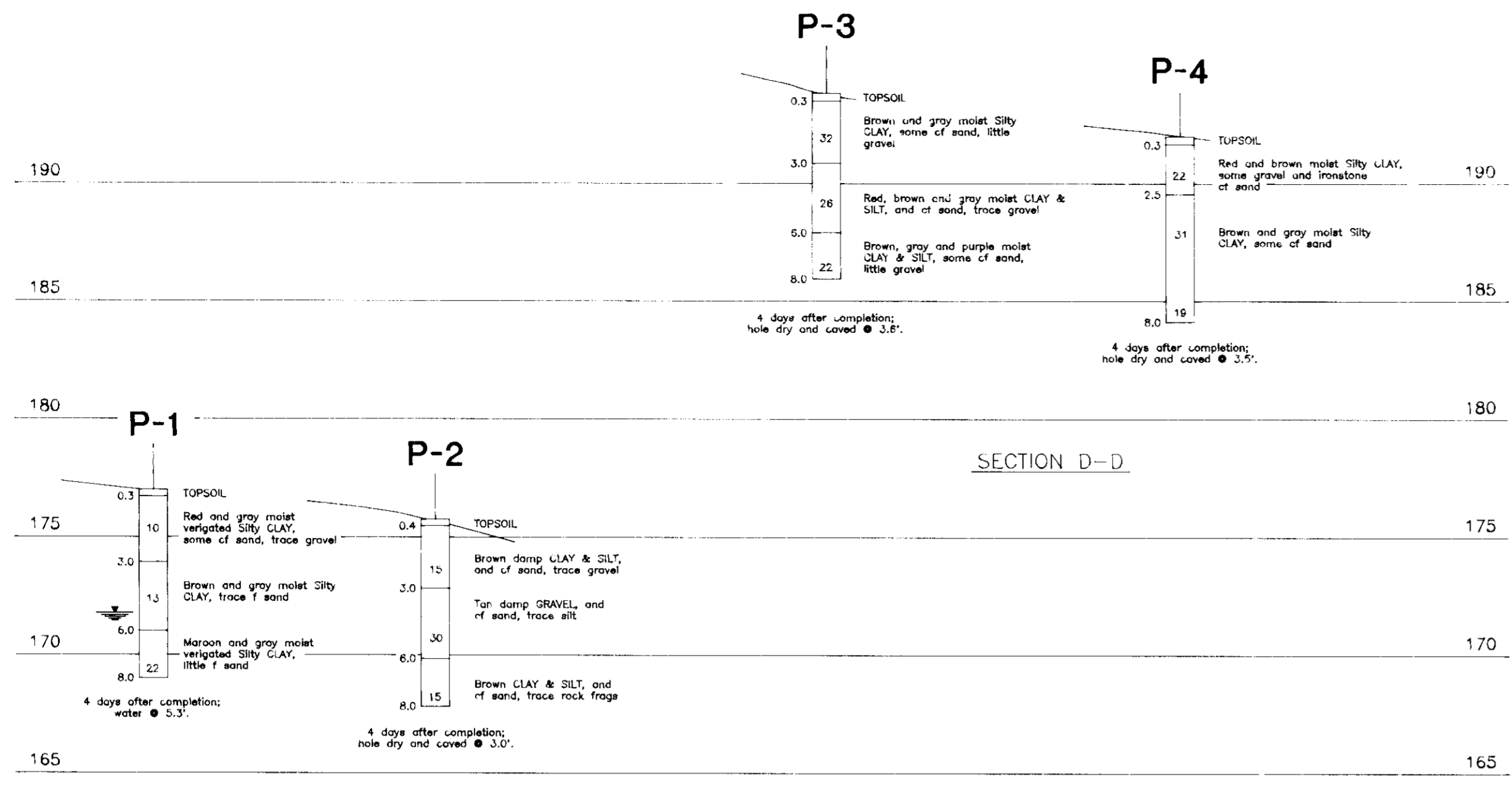
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 U.S. SOIL CONSERVATION SERVICE DATE  
 THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 APPROVED:  
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 [Signature] 1/12/95  
 DIRECTOR DATE  
 [Signature] 1/11/95  
 CHIEF, LAND DEVELOPMENT AND RESEARCH DATE  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 [Signature] 1/13/95 [Signature] 1/13/95  
 DIRECTOR DATE CHIEF, BUREAU OF ENGINEERING DATE

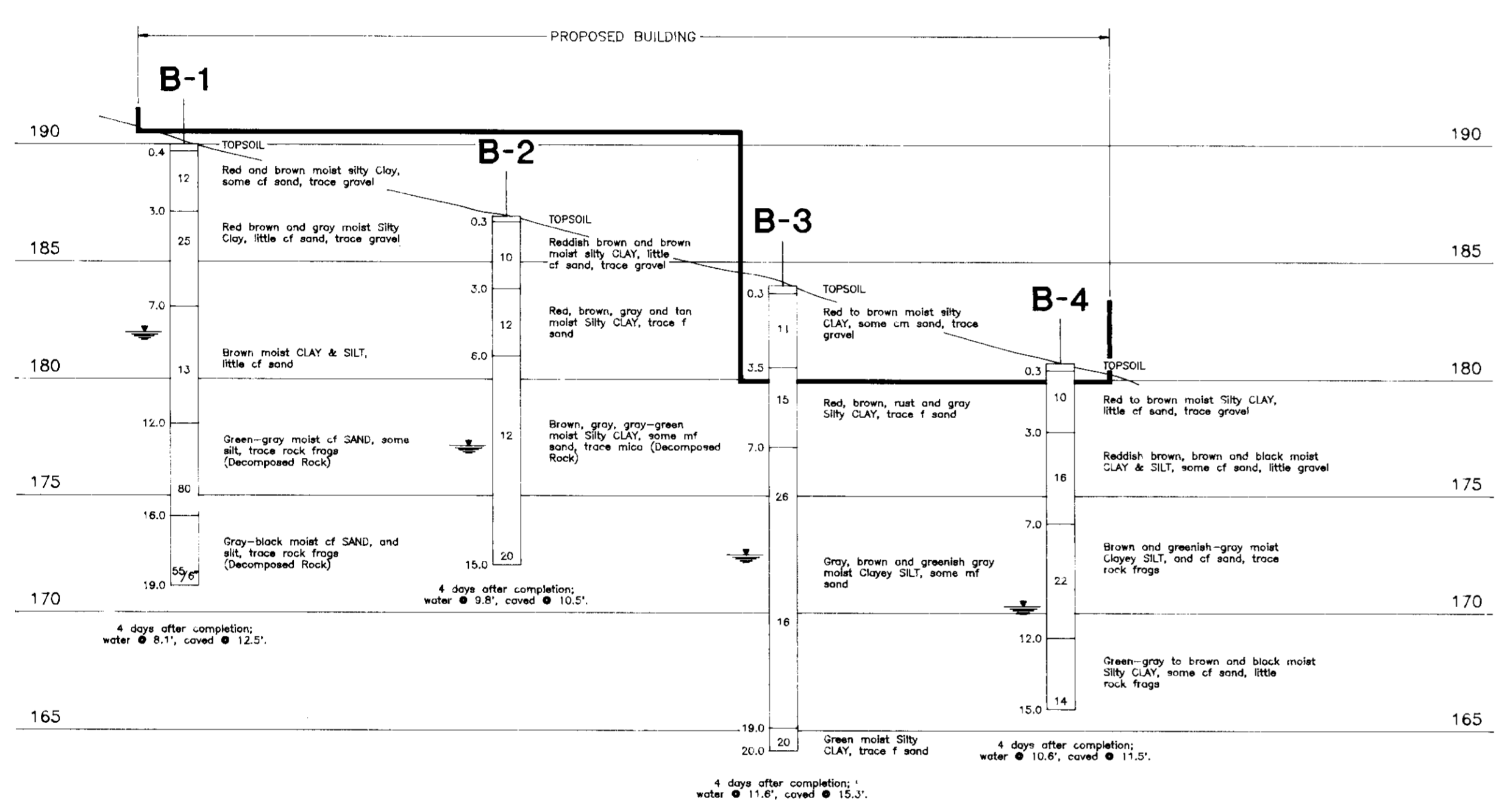
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 [Signature] 1/9/95  
 COUNTY HEALTH OFFICER DATE

SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER
MEADOWRIDGE MEMORIAL PARK	N/A	178
DEED REF.	BLOCK NO.	ZONE
L151/F.32	22&23	M-1
TAX/ZONE	ELECT. DIST.	CENSUS TR.
37	15T	6012
WATER CODE	SEWER CODE	
B 01	2320000	

94-121

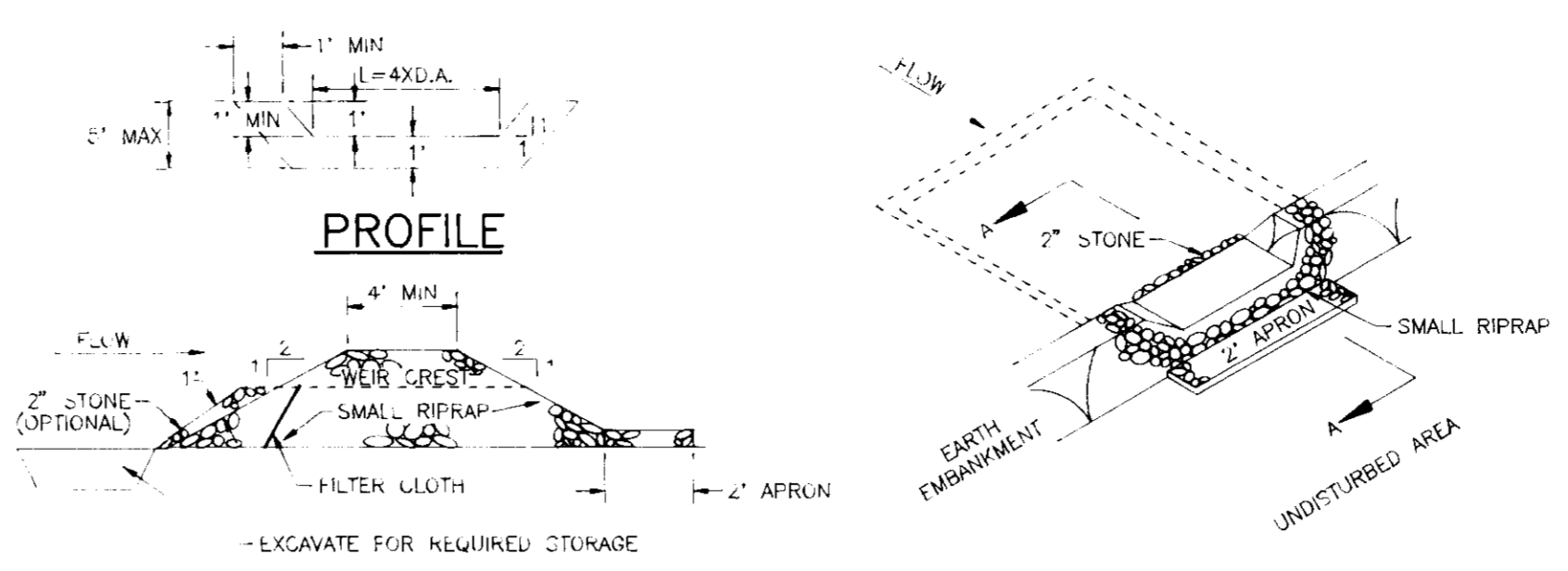


SECTION C-C  
BORING PROFILES  
NOT TO SCALE



SECTION A-A  
BORING PROFILES  
NOT TO SCALE

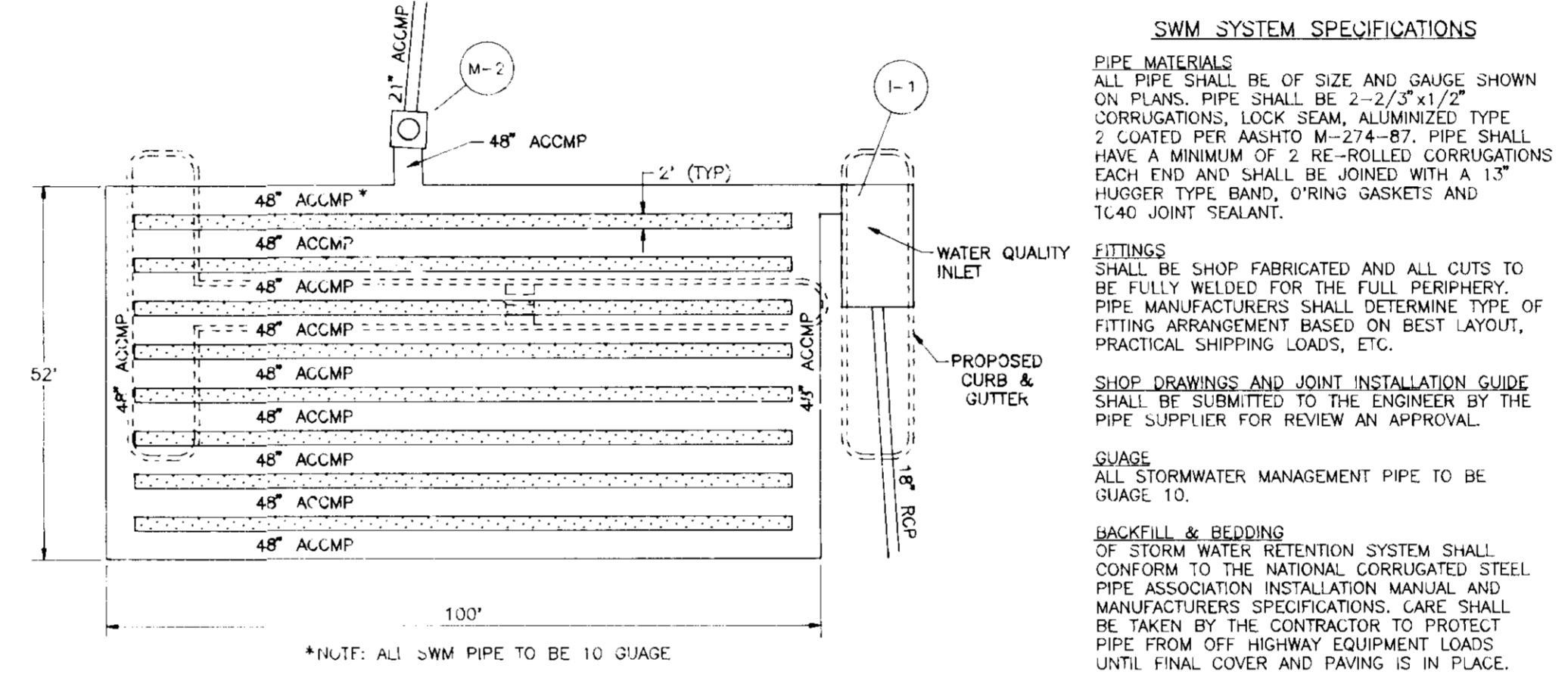
SOIL TESTING AND REPORT BY:  
HERBST & ASSOCIATES  
414 MAIN STREET  
REISTERSTOWN, MARYLAND 21136  
TELEPHONE: (410) 526-7200



CROSS SECTION A-A  
NOTE: A ONE FOOT LAYER OF 2" STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP IN PLACE OF THE EMBEDDED FILTER CLOTH.

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVERSIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING THE EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
4. THE STONE USED IN THE OUTLET SHALL BE SMALLER RIPRAP 4"-8" ALONG WITH A 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF TRAP.
6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS AS NEEDED.
7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

STONE OUTLET SEDIMENT TRAP  
NOT TO SCALE

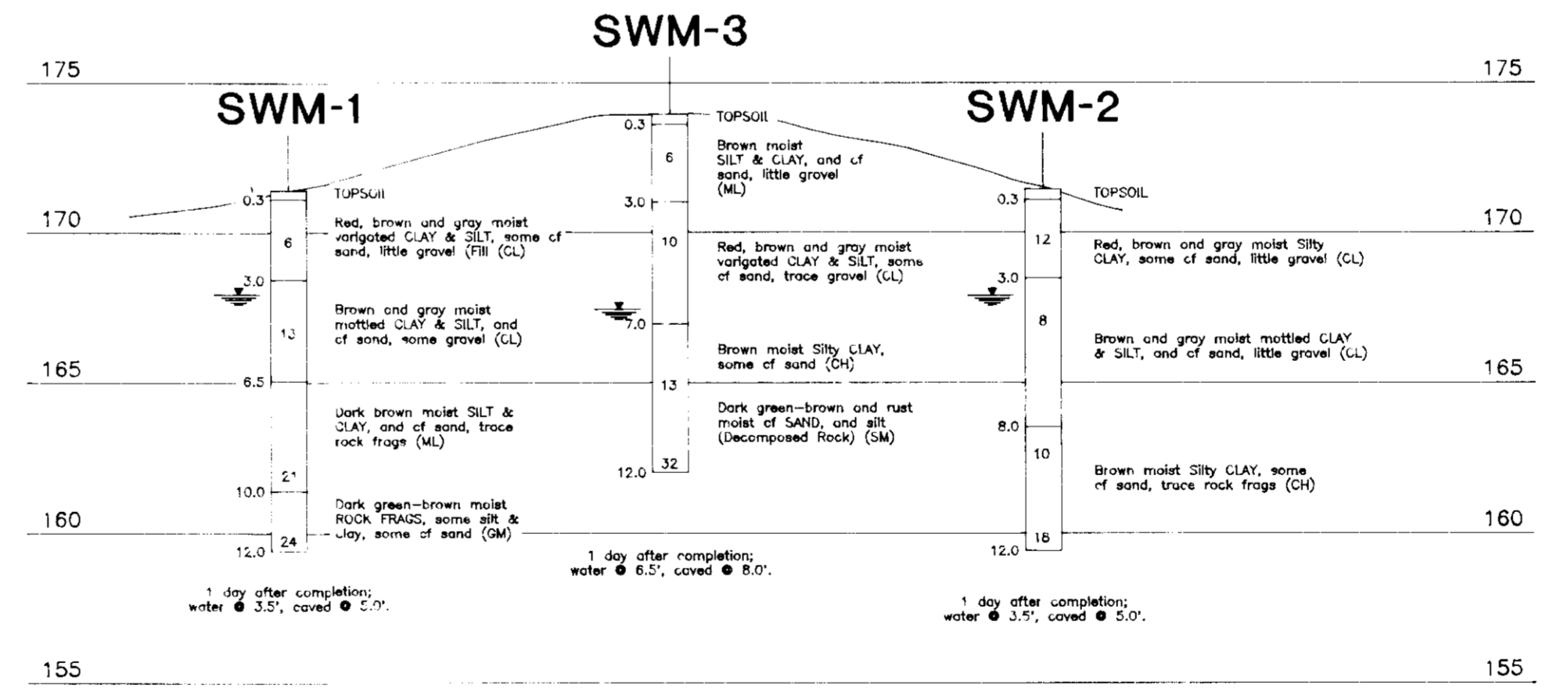


SCHMATIC DETAIL OF SUBSURFACE STORMWATER MANAGEMENT FACILITY  
SCALE: 1"=20'

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	5-7.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING SOIL STABILIZATION MATTING, OR SOD
3	5.1-8.0%	SEED WITH SOIL STABILIZATION MATTING, OR SOD	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

A. RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.  
B. SUBSTITUTION FOR ANY OF THE ABOVE MATERIALS MAY BE CONSIDERED BUT MUST BE APPROVED BY THE ENGINEER.

EARTH DIKE  
N.T.S.



SECTION B-B  
BORING PROFILES  
NOT TO SCALE

OWNER/DEVELOPER  
HUBBARD FUNERAL HOME, INC.  
P.O. BOX 13054E  
1929 ALLEN PARKWAY  
HOUSTON, TEXAS 77219-054E  
TELEPHONE: (713) 522-5141

NO.	REVISION	DATE

MEADOWRIDGE MEMORIAL PARK  
FUNERAL HOME  
SOIL BORING PROFILES, SWM DETAILS &  
SEDIMENT & EROSION CONTROL DETAILS  
TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

MARKS-VOGEL ASSOCIATES, INC.  
ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101  
ELLCOTT CITY, MARYLAND 21043  
TELEPHONE: (410) 461-5828  
FAX: (410) 465-5866

DESIGN BY:	DATE:
R.H.V.	12/19/94
DRAWN BY:	DATE:
D.G.H.	APRIL 1994
CHECKED BY:	DATE:
R.H.V.	AS SHOWN
SCALE:	AS SHOWN
W.O. NO.:	93-08

ENGINEERS 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT  
Signature: [Signature] DATE: 12/19/94

DEVELOPER'S CERTIFICATE  
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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.  
Signature: [Signature] DATE: 12/9/94

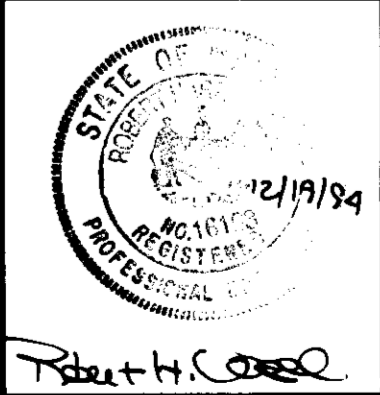
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
Signature: [Signature] DATE: 12/21/94  
U. S. SOIL CONSERVATION SERVICE

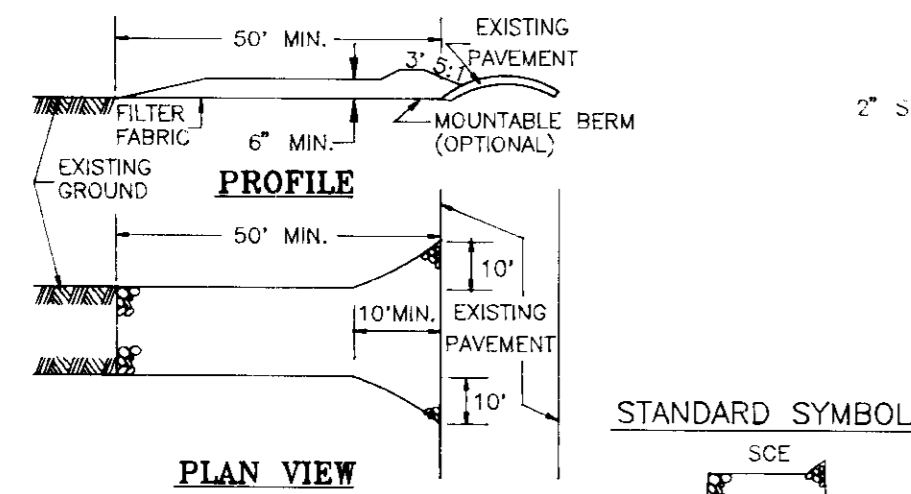
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
Signature: [Signature] DATE: 1/12/95  
DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
Signature: [Signature] DATE: 1/19/95  
CHIEF, LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
Signature: [Signature] DATE: 1/13/95  
CHIEF, BUREAU OF ENGINEERING

SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER			
MEADOWRIDGE MEMORIAL PARK	N/A	178			
DEED REF.	BLOCK NO.	ZONE	TAX/ZONE	ELECT. DIST.	CENSUS TR.
L151/F-32	22&23	M-1	37	1ST	6051
WATER CODE	SEWER CODE				
B 01	2320000				

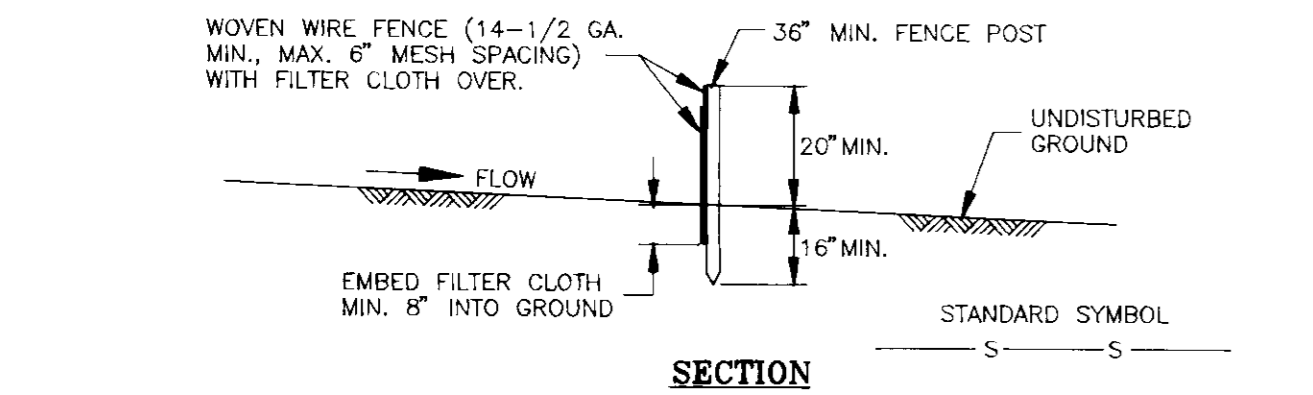
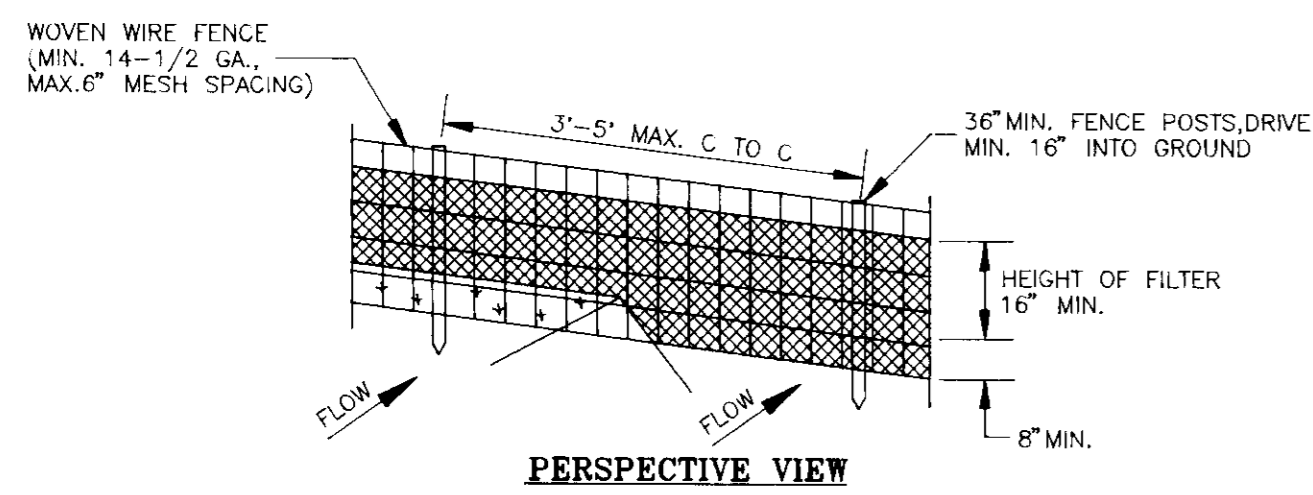




**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENT LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINT WHERE INGRESS AND EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

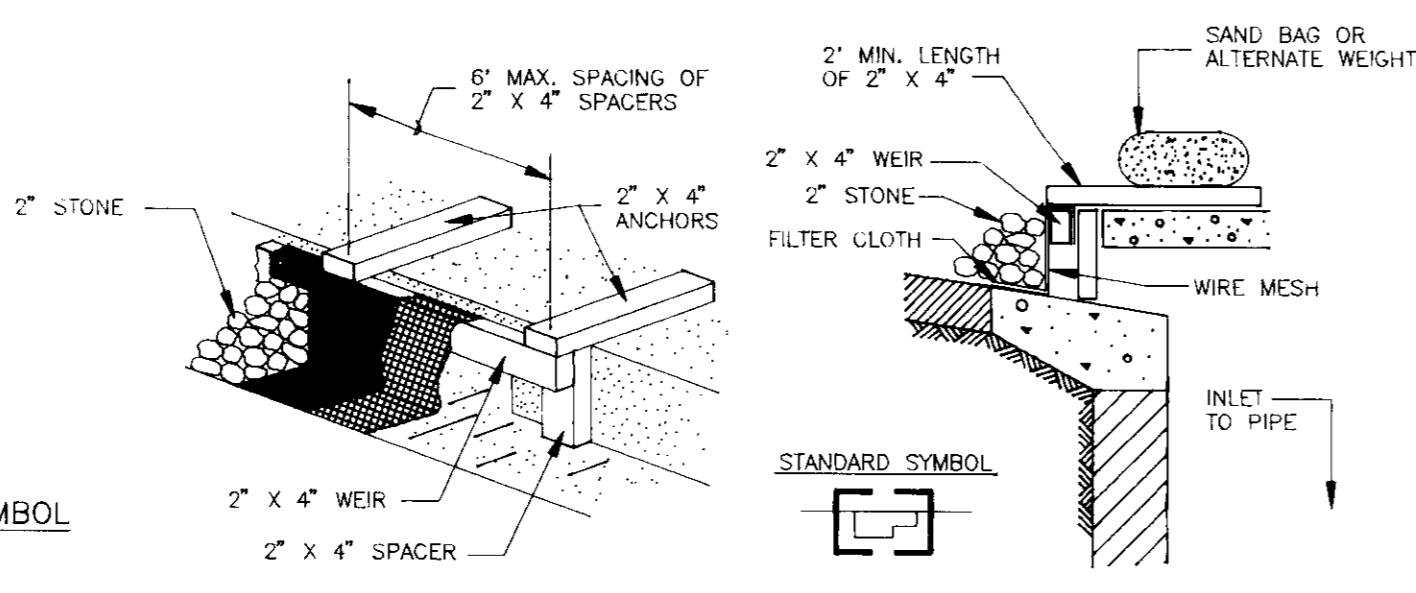
**STABILIZED CONSTRUCTION ENTRANCE**  
N.T.S



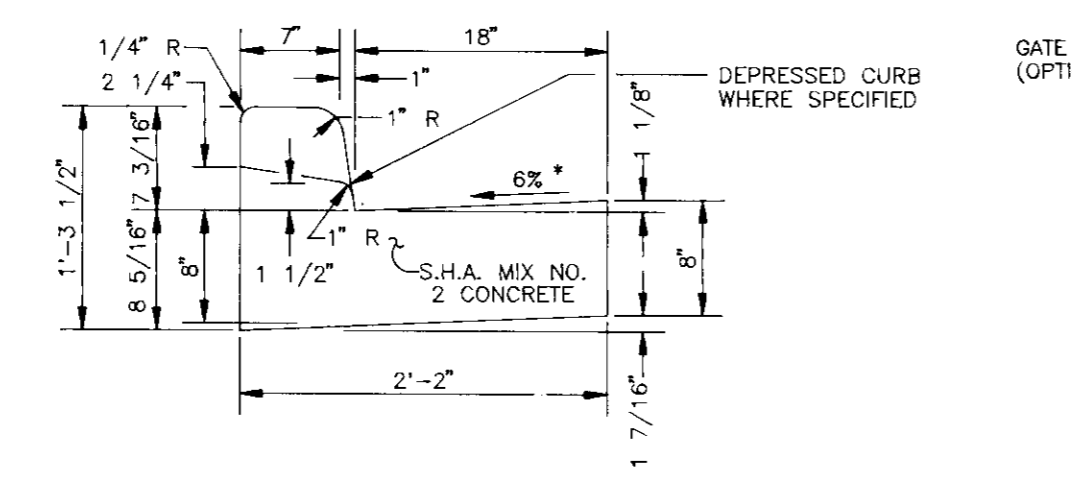
**CONSTRUCTION NOTES FOR SILT FENCE**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 2' AT TOP & MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

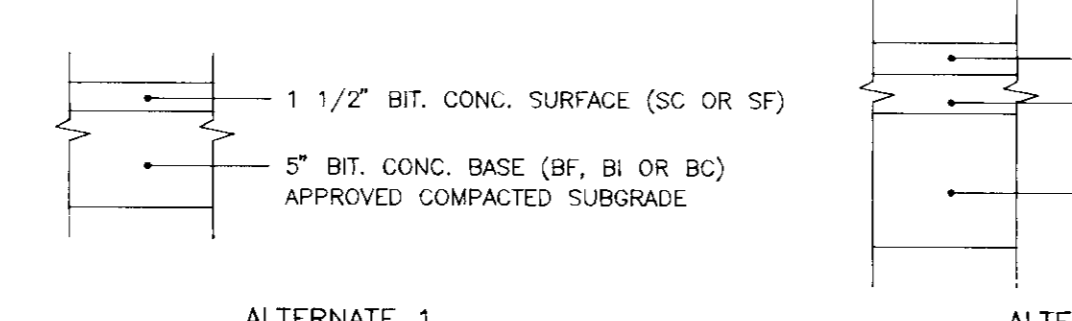
**SILT FENCE**  
N.T.S



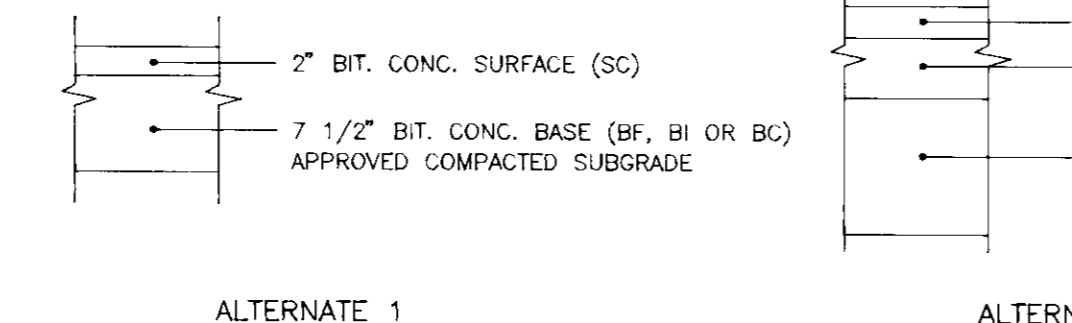
**CURB INLET PROTECTION DETAIL**  
NOT TO SCALE



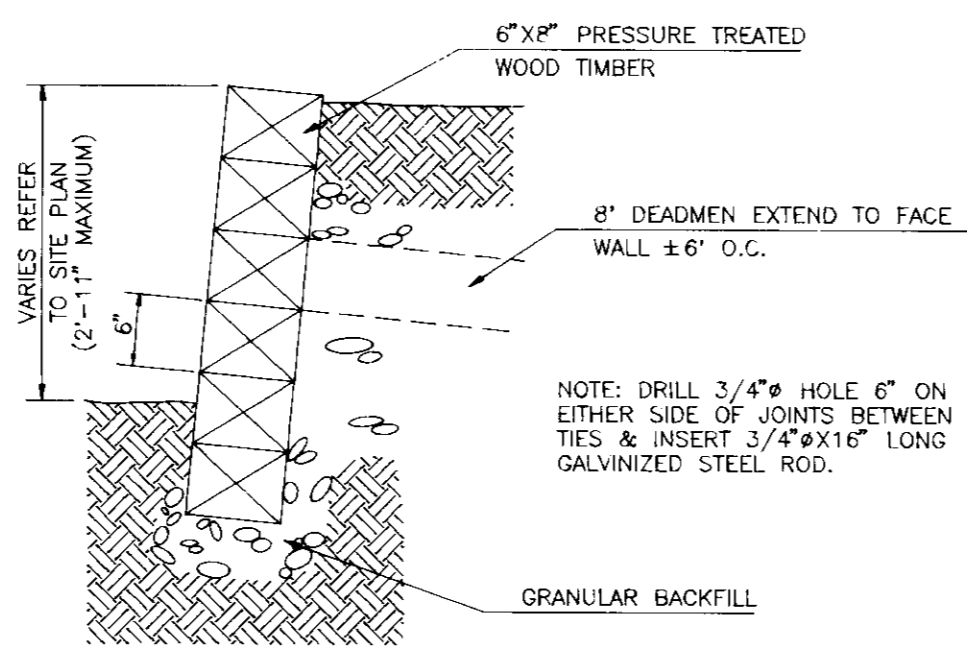
**STANDARD COMBINATION CURB AND GUTTER**  
HOWARD COUNTY STANDARD R-3.01  
NOT TO SCALE



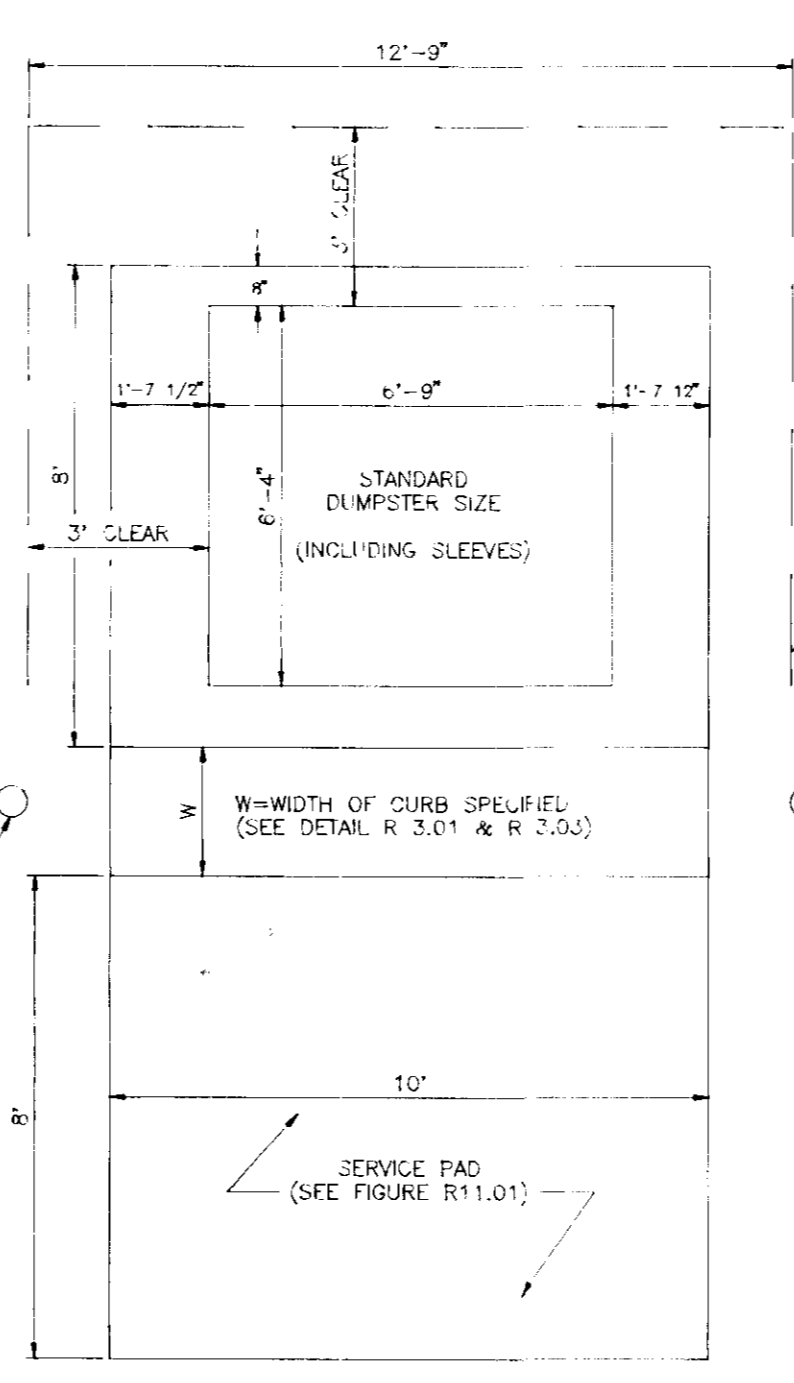
**LIGHT DUTY PAVING SECTION**  
EXCEEDS HOWARD COUNTY STANDARD DETAIL R-2.01  
P-1 PAVING SECTION (PARKING LOTS)



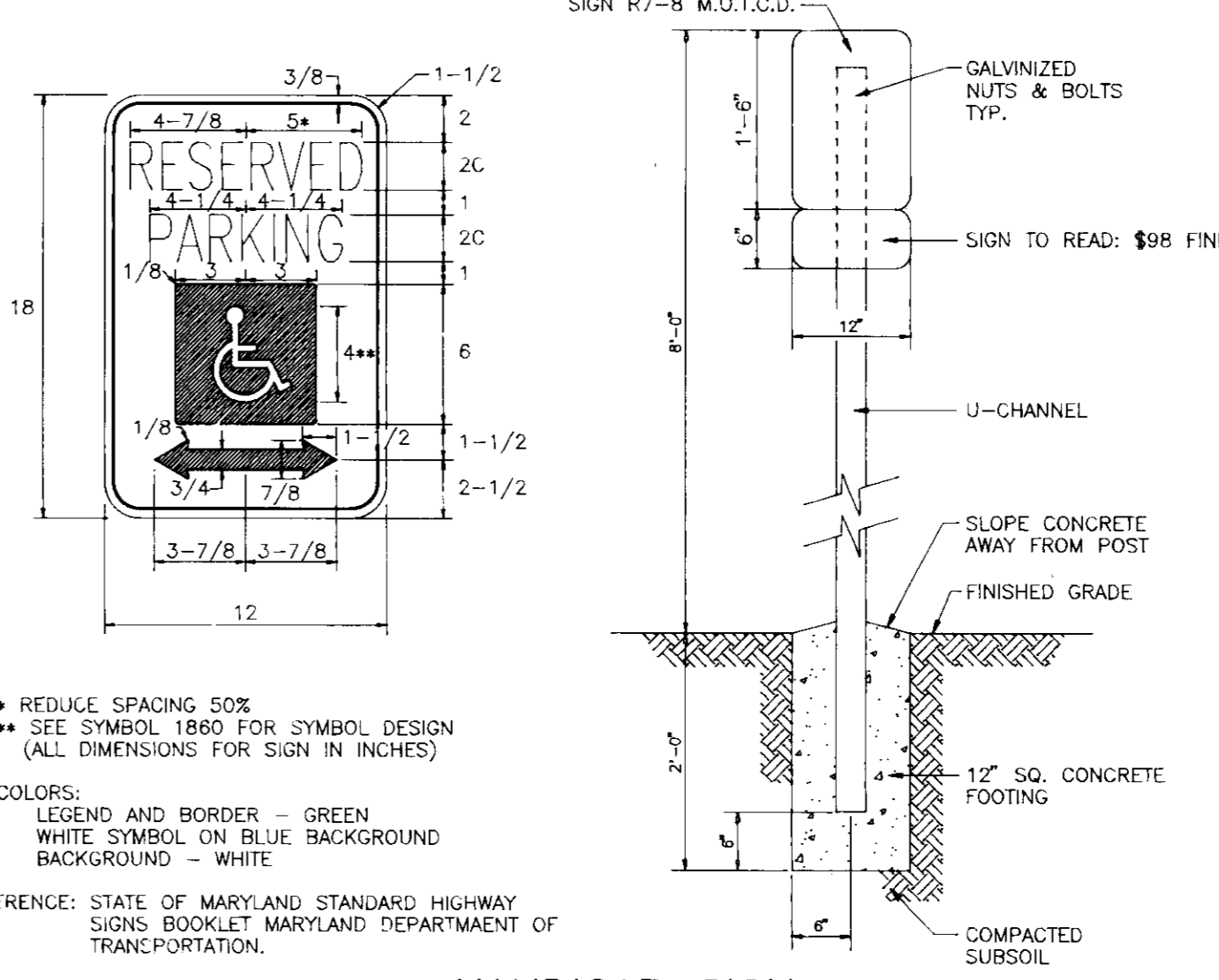
**HEAVY DUTY PAVING SECTION**  
EXCEEDS HOWARD COUNTY STANDARD DETAIL R-2.01  
P-2 PAVING SECTION (PRINCIPAL ARTERIAL, COMMERCIAL OR INDUSTRIAL ROADS)



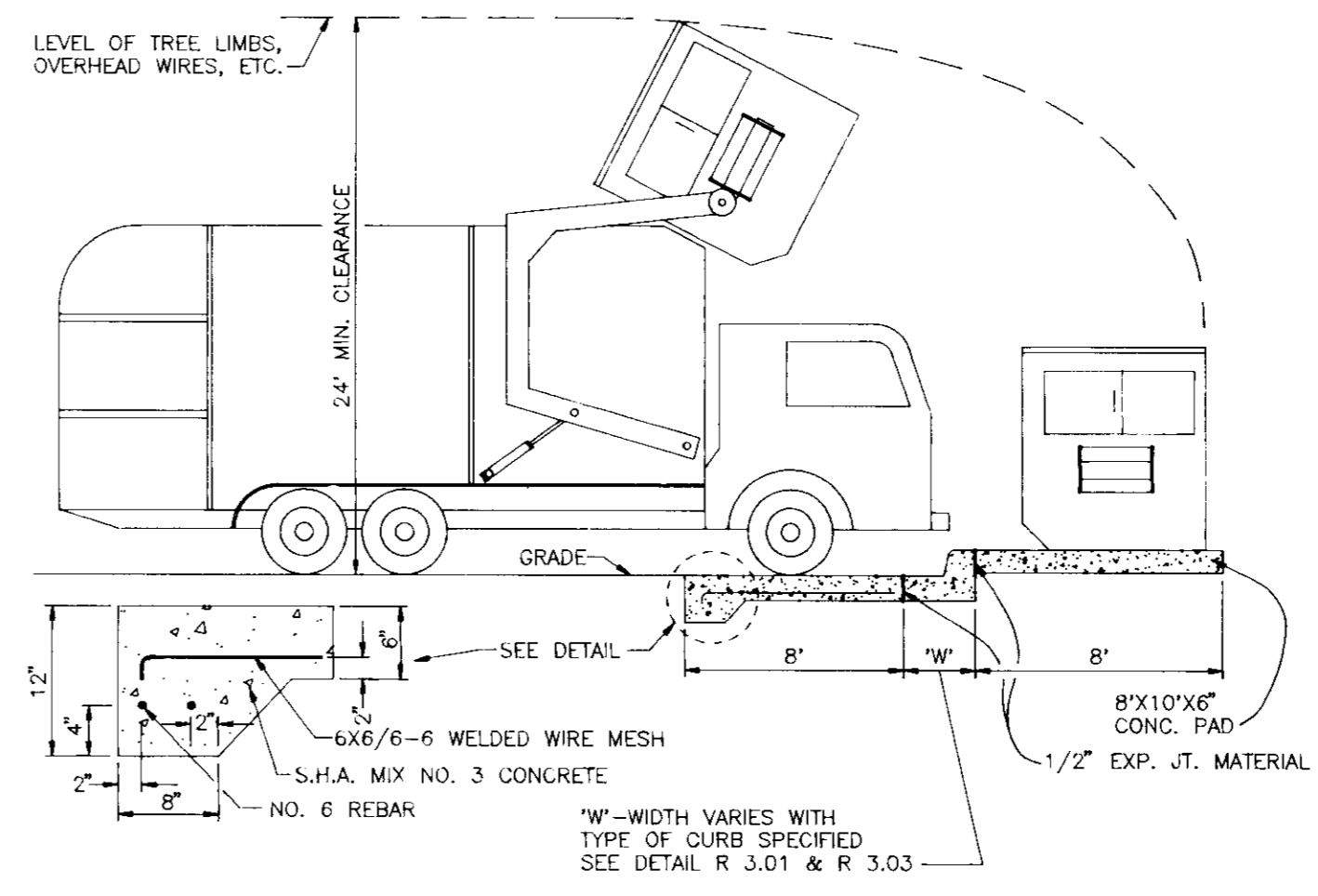
**SECTION - TIMBER RETAINING WALL**  
NOT TO SCALE



**SOLID WASTE OPTIONAL CONTAINER ENCLOSURE**  
HOWARD COUNTY STD. R 11.02  
NOT TO SCALE



**HANDICAP SIGN**  
NOT TO SCALE



**SOLID WASTE SERVICE PAD**  
HOWARD COUNTY STD. R 11.01  
NOT TO SCALE

**TEMPORARY SEEDING**

Apply to graded or cleared areas likely to be redisturbed 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: 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 2 1/2 bushel 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 feet 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.

**PERMANENT SEEDING NOTES**

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

Seeded Preparation: Loosen upper 3 inches of soil by raking, discing, or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Use one of the following schedules:

- 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 3 inches of soil. At time of seeding apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq. ft.).
- Acceptable- Apply 2 tons per acre dolomitic limestone (92 lbs./1000sq. 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 60lbs. 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. of 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. per acre Kentucky 31 Tall Fescue, and mulch with 2 tons per acre well anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (70-90 lbs./1000 sq. ft.) of un-rotted 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.

**SEDIMENT CONTROL NOTES**

- All Grading Permits shall be obtained prior to the starting of any Grading work.
  - 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 (313-1855).
  - All vegetation 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.
  - Following initial soil disturbance or redisturbance, 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.
  - All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, Storm Drainage, of the Howard County Design Manual.
  - 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. 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 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 R/W and easements	*146.82 acres
Area disturbed	2.4 acres
Area to be roofed or paved	5.6 acres
Area to be vegetatively stabilized	0.5 acres
Total cut	2870 cu. yds.
Total fill	3330 cu. yds.
Offsite waste/borrow area location	To be determined by contractor, with pre-approval of the Sediment Control Inspector.
  - 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 controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
  - 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.
- \* REFERENCE: PLAN OF SURVEY MEADOWRIDGE MEMORIAL PARK PREPARED BY BOENDER AND ASSOCIATES JANUARY, 1985. NOTE STATE TAX MAP 1992 LISTS PARCEL AREA AS 89.78 ACRES.

**ENGINEERS 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature of Engineer: *[Signature]* DATE: 12/19/94

**DEVELOPER'S CERTIFICATE**

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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.

HUBBARD FUNERAL HOME, INC.  
By: Curtis G. Briggs, Vice President DATE: 12/15/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Patricia Engler 12/27/94  
U. S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED: *[Signature]* 1/27/95  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 1/12/95  
DIRECTOR DATE

*[Signature]* 1/11/95  
CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*[Signature]* 1/3/95  
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS		HOWARD COUNTY HEALTH DEPARTMENT	
<i>[Signature]</i> 1/9/95		COUNTY HEALTH OFFICER DATE	
SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER	
MEADOWRIDGE MEMORIAL PARK	N/A	178	
DEED REF.	BLOCK NO.	ZONE	TAX/ZONE
L151/F.32	22&23	M-1	37
ELECT. DIST.	CENSUS TR.		
1ST	6012		
B 01		2320000	
WATER CODE		SEWER CODE	

**MEADOWRIDGE MEMORIAL PARK FUNERAL HOME DETAILS AND NOTES**

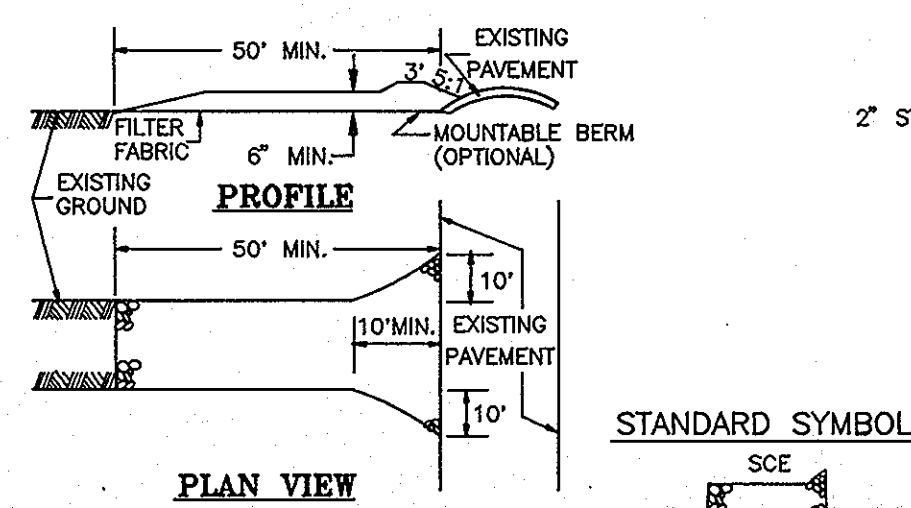
TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 ELLICOTT CITY, MARYLAND 21043 TELEPHONE: (410) 461-8828 FAX: (410) 466-3968

DESIGN BY: R.H.V.  
DRAWN BY: D.G.H.  
CHECKED BY: R.H.V.  
DATE: APRIL, 1994  
SCALE: AS SHOWN  
W.D. NO.: 93-08

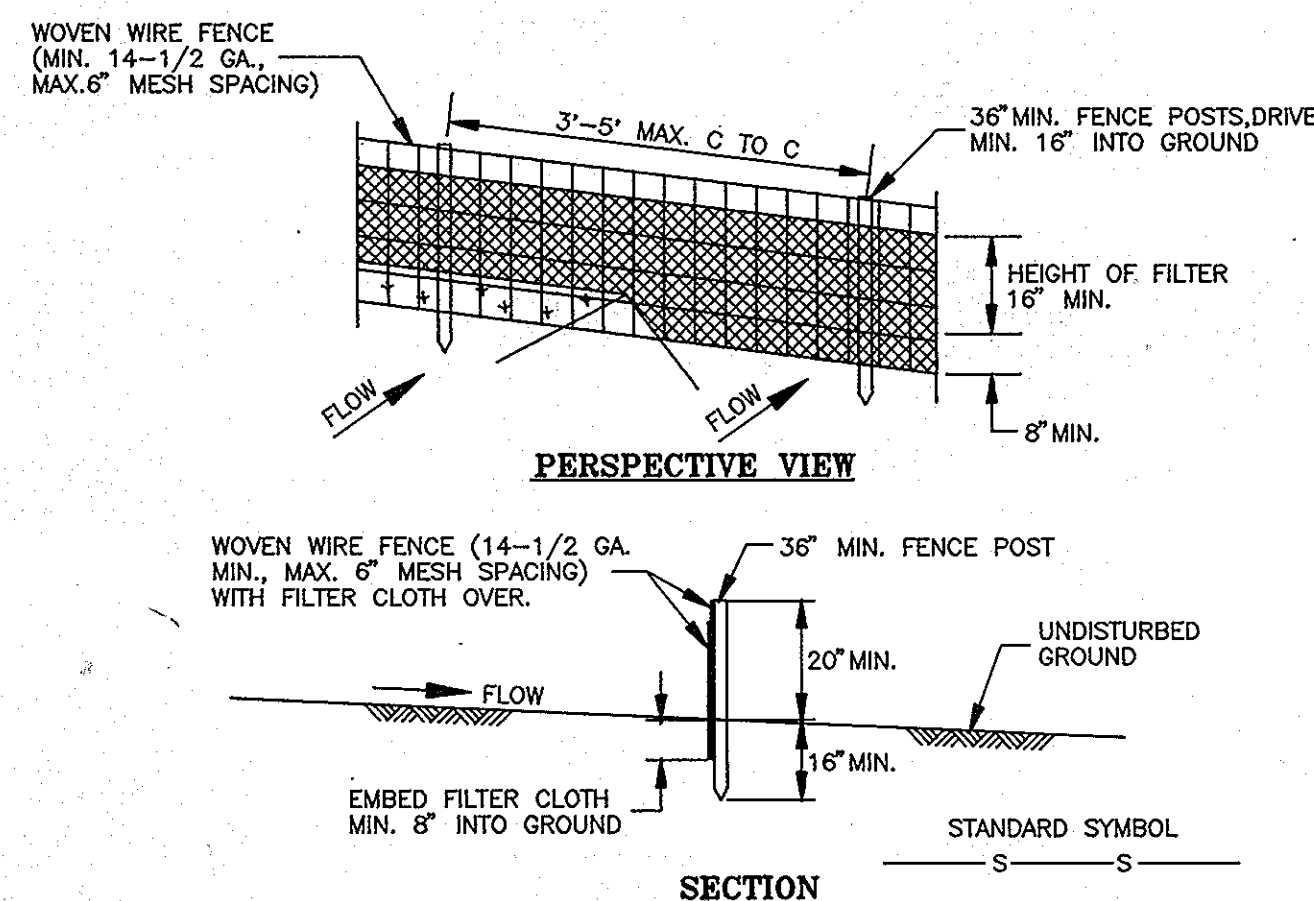
8 SHEET OF 8



**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENT LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINT WHERE INGRESS AND EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**STABILIZED CONSTRUCTION ENTRANCE**  
N.T.S.



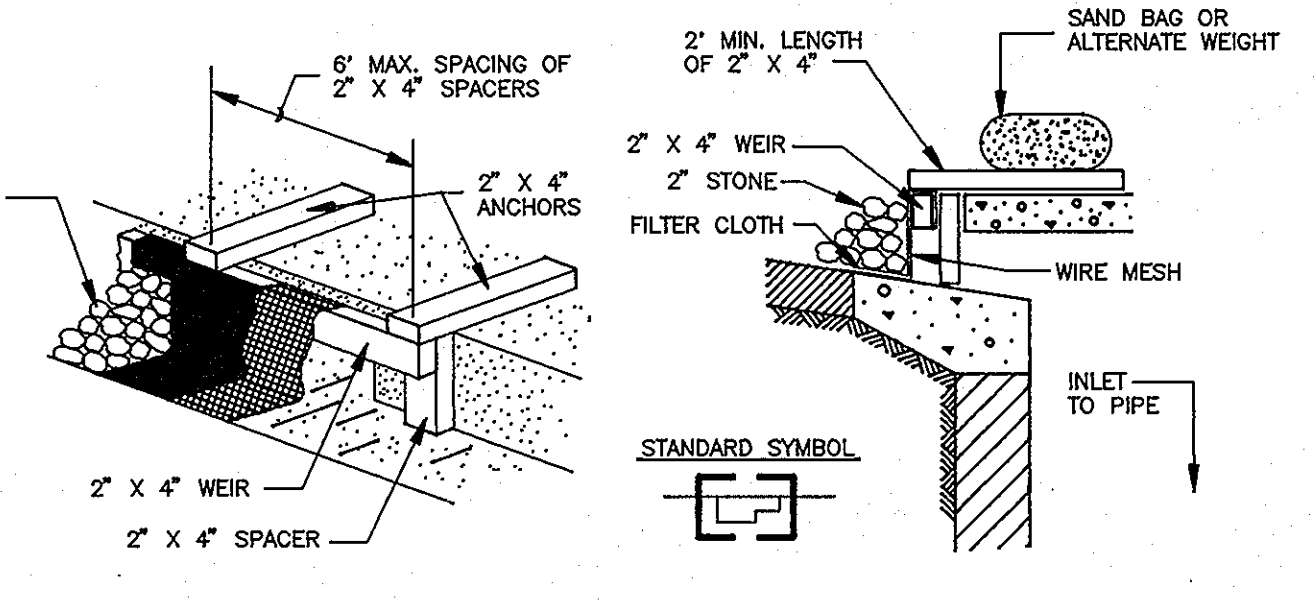
**CONSTRUCTION NOTES FOR SILT FENCE**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP & MID SECTION.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD.  
FENCE: WOVEN WIRE, MIN. 14-1/2 GA., 6" MAX. MESH OPENING  
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.  
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

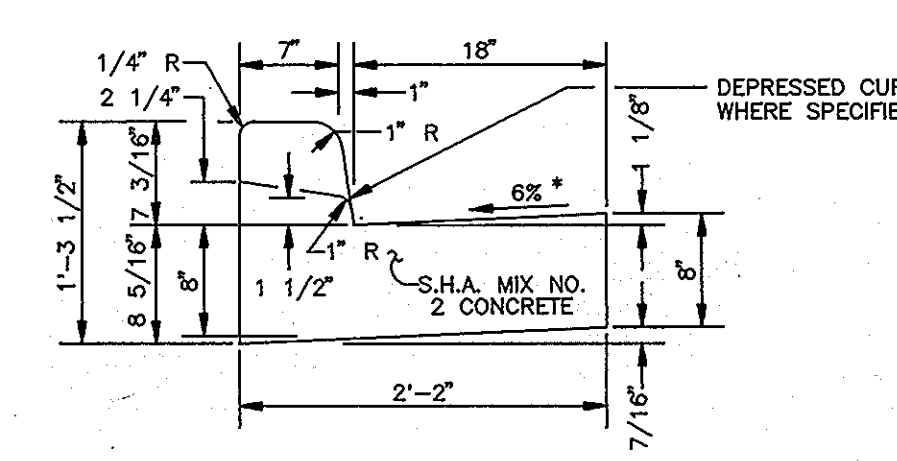
**SILT FENCE**  
N.T.S.

**ENGINEERS 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT"

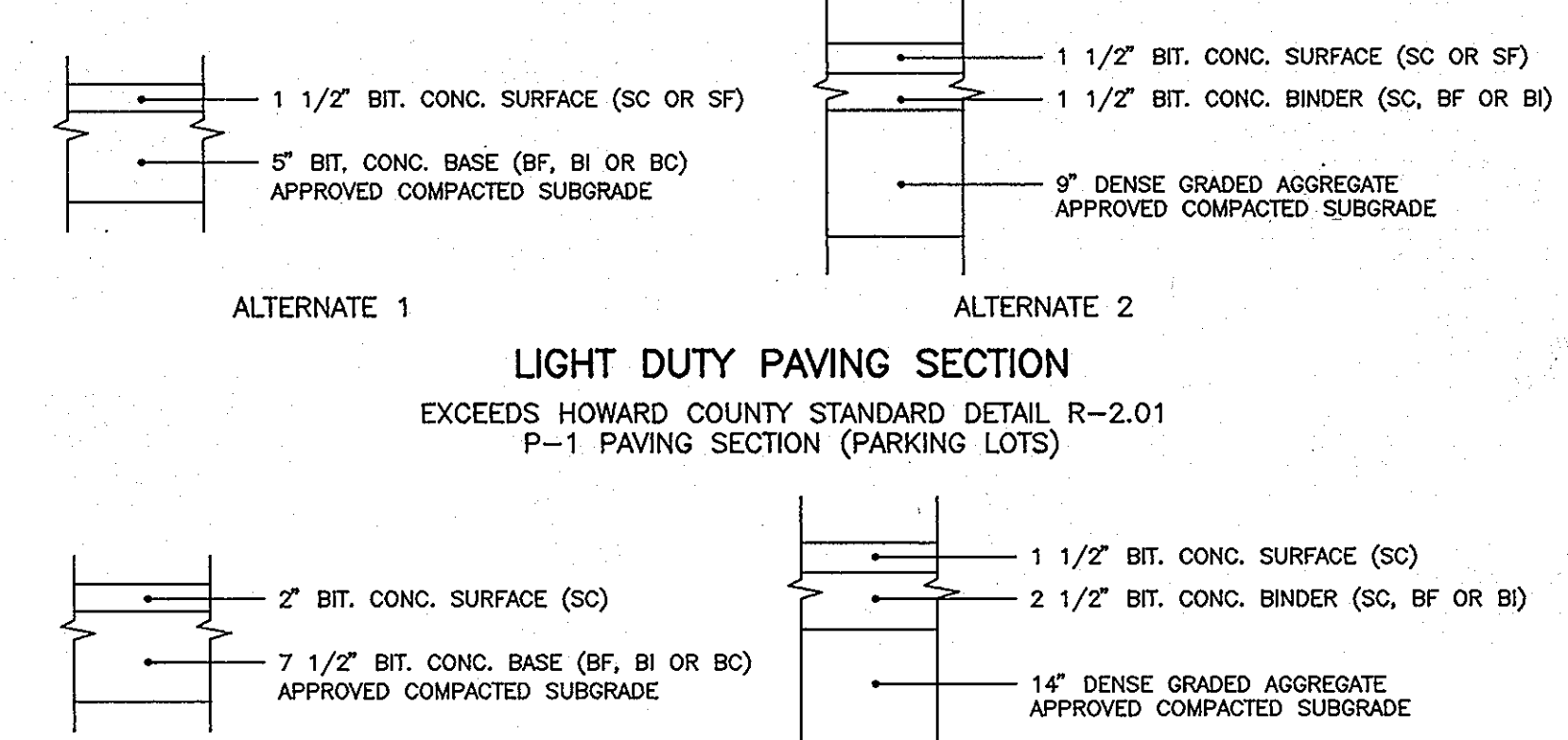
*Robert H. Cooper* 12/19/94  
SIGNATURE OF ENGINEER DATE



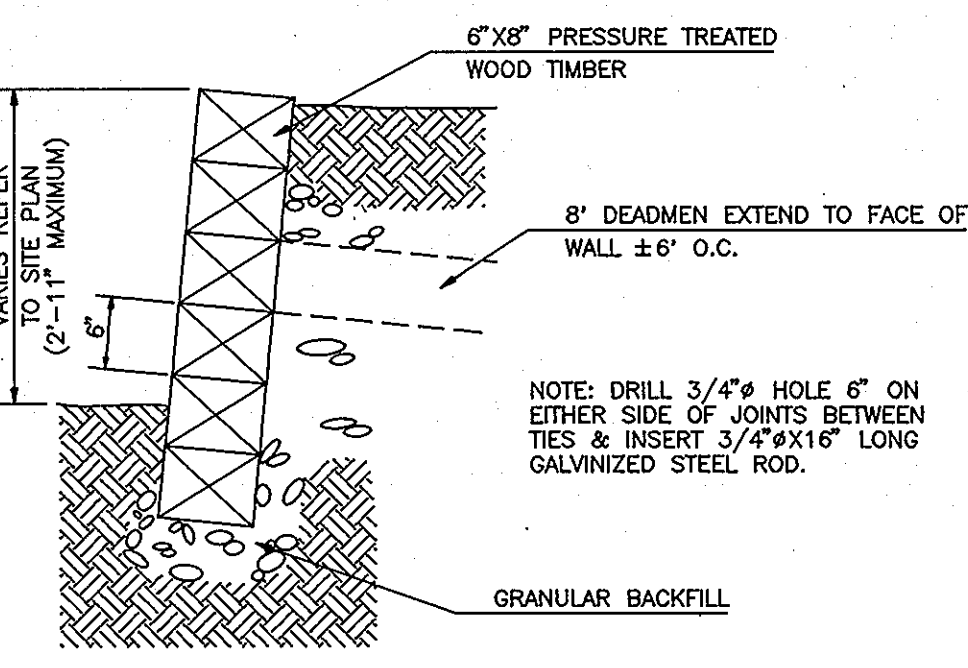
**CURB INLET PROTECTION DETAIL**  
NOT TO SCALE



**STANDARD COMBINATION CURB AND GUTTER**  
HOWARD COUNTY STANDARD R-3.01  
NOT TO SCALE



**HEAVY DUTY PAVING SECTION**  
EXCEEDS HOWARD COUNTY STANDARD DETAIL R-2.01  
P-2 PAVING SECTION (PRINCIPAL ARTERIAL, COMMERCIAL OR INDUSTRIAL ROADS)



**SECTION - TIMBER RETAINING WALL**  
NOT TO SCALE

**DEVELOPER'S CERTIFICATE**  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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."

HUBBARD FUNERAL HOME, INC.  
*Curtis G. Briggs* 12/5/94  
CURTIS G. BRIGGS, VICE PRESIDENT DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*Patricia Engler* 12/22/94  
U. S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
*Maury Allen* 12/22/94  
HOWARD SOIL CONSERVATION DISTRICT DATE

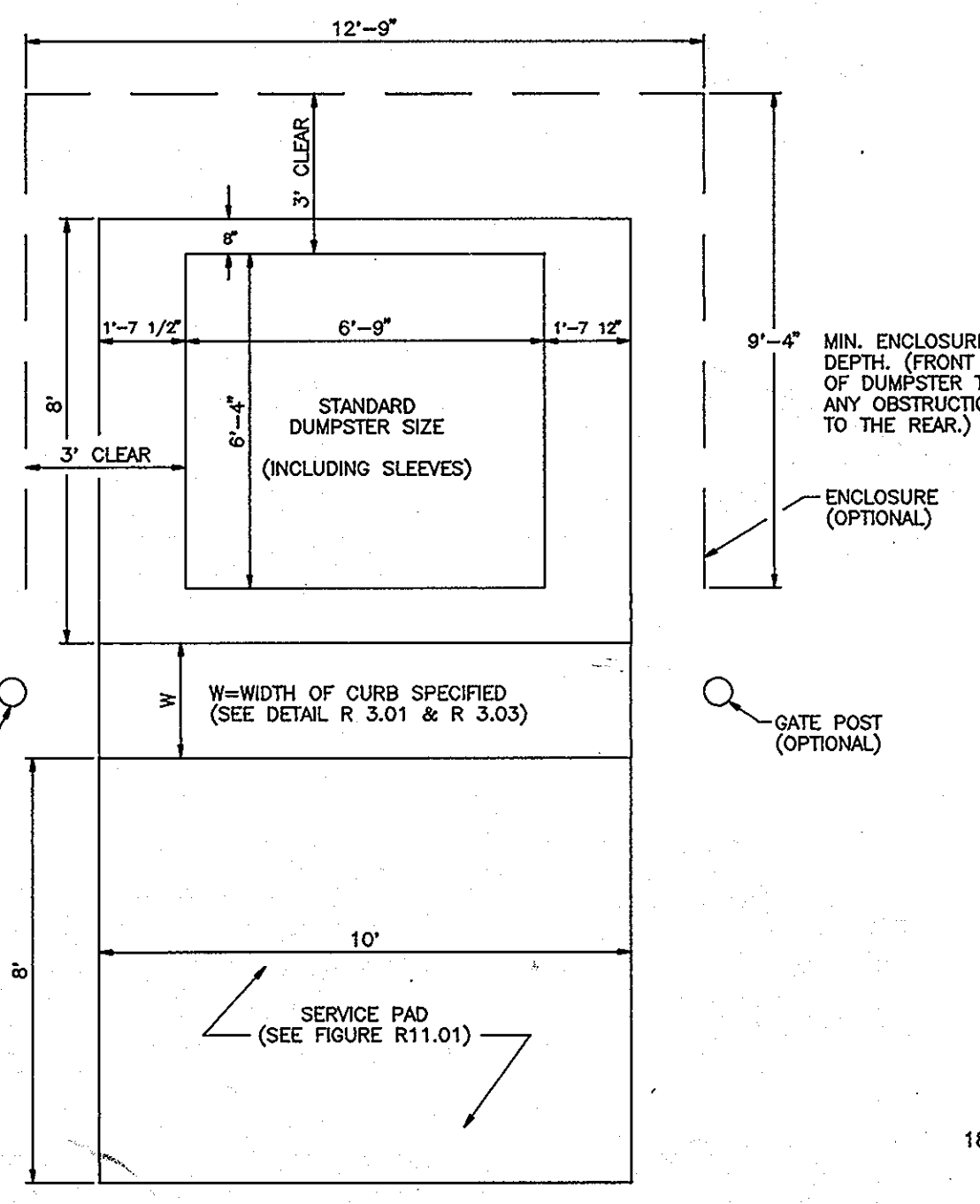
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*James M. Boyland* 1/12/95  
DIRECTOR DATE

APPROVED: CHIEF, LAND DEVELOPMENT AND RESEARCH  
*Uma Swaminani* 1/11/95  
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James P. Chum* 1/3/95  
DATE

APPROVED: CHIEF - BUREAU OF ENGINEERING  
*Robert H. Cooper* 1/3/95  
DATE

**SOLID WASTE OPTIONAL CONTAINER ENCLOSURE**  
HOWARD COUNTY STD. R 11.02  
NOT TO SCALE

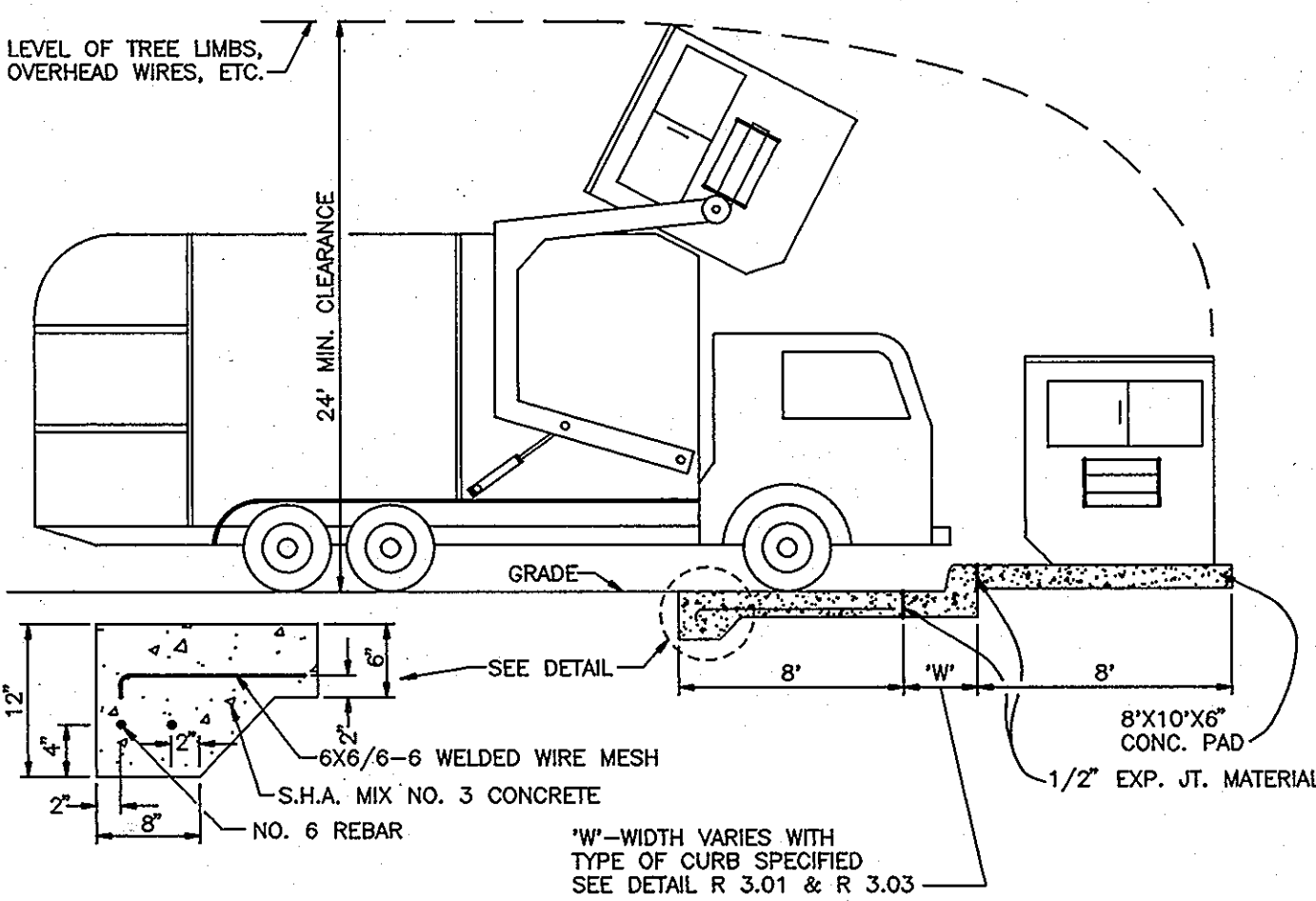


\* REDUCE SPACING 50%  
\*\* SEE SYMBOL 1860 FOR SYMBOL DESIGN (ALL DIMENSIONS FOR SIGN IN INCHES)

COLORS:  
LEGEND AND BORDER - GREEN  
WHITE SYMBOL ON BLUE BACKGROUND  
BACKGROUND - WHITE

REFERENCE: STATE OF MARYLAND STANDARD HIGHWAY SIGNS BOOKLET MARYLAND DEPARTMENT OF TRANSPORTATION.

**HANDICAP SIGN**  
NOT TO SCALE



**SOLID WASTE SERVICE PAD**  
HOWARD COUNTY STD. R 11.01  
NOT TO SCALE

NO.	REVISION	DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT	
SUBDIVISION NAME MEADOWRIDGE MEMORIAL PARK	SECTION/AREA N/A
DEED REF. L151/F.32	PARCEL NUMBER 178
BLOCK NO. 22&23	TAX/ZONE M-1 37
ELECT. DIST. 1ST	CENSUS TR. 6012
WATER CODE B 01	SEWER CODE 2320000

**TEMPORARY SEEDING**

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

Seedbed 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 2 1/2 bushel per acre of annual rye (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 unrattled 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 feet 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.

**PERMANENT SEEDING NOTES**

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

Seedbed Preparation: Loosen upper 3 inches of soil by raking, discing, or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Use one of the following schedules:

- 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 3 inches of soil. At time of seeding apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq. ft.).
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Seeding: For the periods March 1 thru April 30 and August 1 thru October 15, seed with 60lbs. 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. of 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. per acre Kentucky 31 Tall Fescue, and mulch with 2 tons per acre well anchored straw.

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**SEDIMENT CONTROL NOTES**

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- 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.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, Storm Drainage, of the Howard County Design Manual.
- 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. 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 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 R/W and easements	*146.82 acres
Area disturbed	2.4 acres
Area to be roofed or paved	1.6 acres
Area to be vegetatively stabilized	0.5 acres
Total cut	2870 cu. yds.
Total fill	3350 cu. yds.

 Offsite waste/borrow area location To be determined by contractor, with pre-approval of the Sediment Control Inspector
- 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 controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- 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.

\* REFERENCE PLAT OF SURVEY MEADOWRIDGE MEMORIAL PARK PREPARED BY BOENDER AND ASSOCIATES JANUARY, 1985. NOTE STATE TAX MAP 1992 LISTS PARCEL AREA AS 89.78 ACRES.

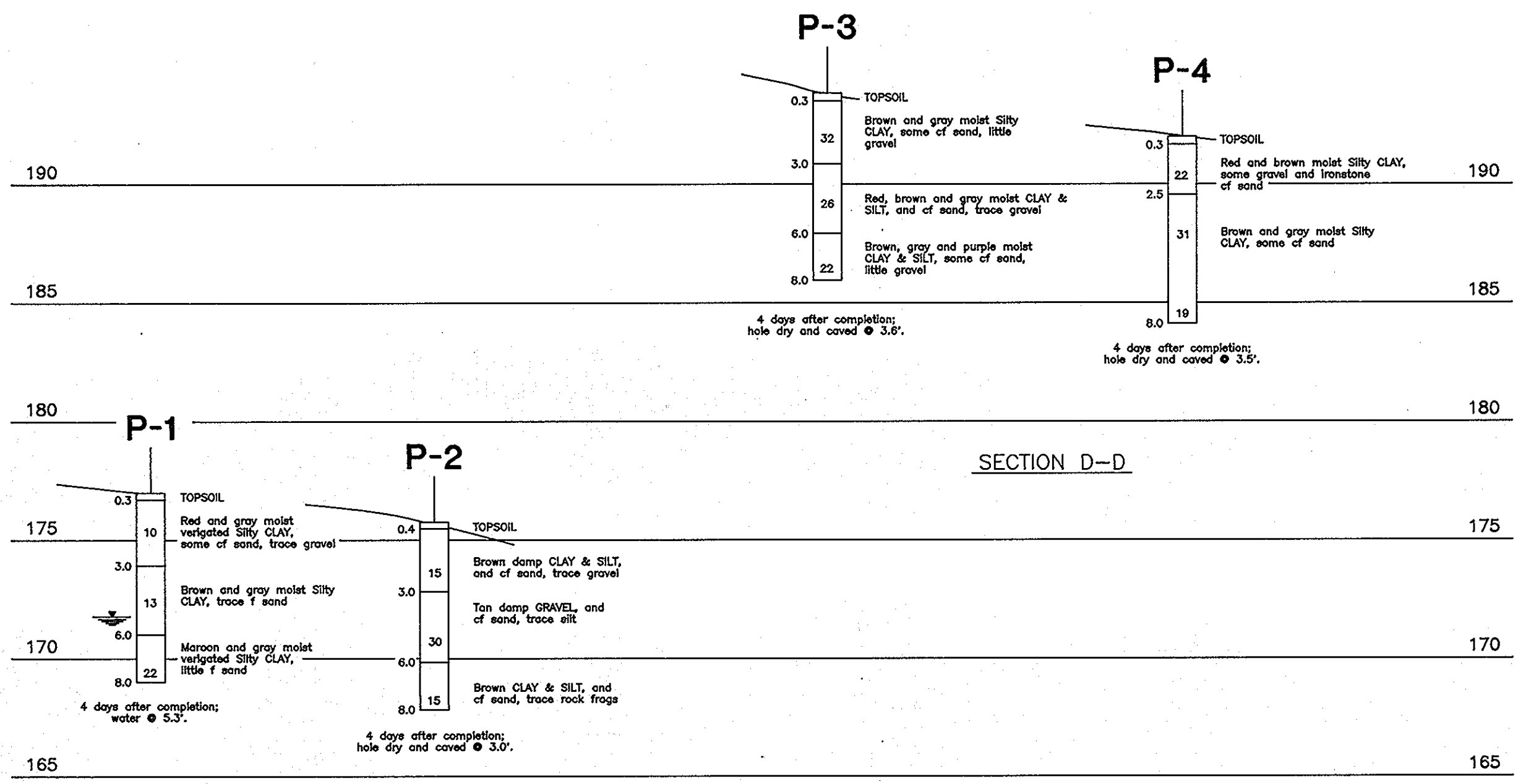
**MEADOWRIDGE MEMORIAL PARK FUNERAL HOME DETAILS AND NOTES**

TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

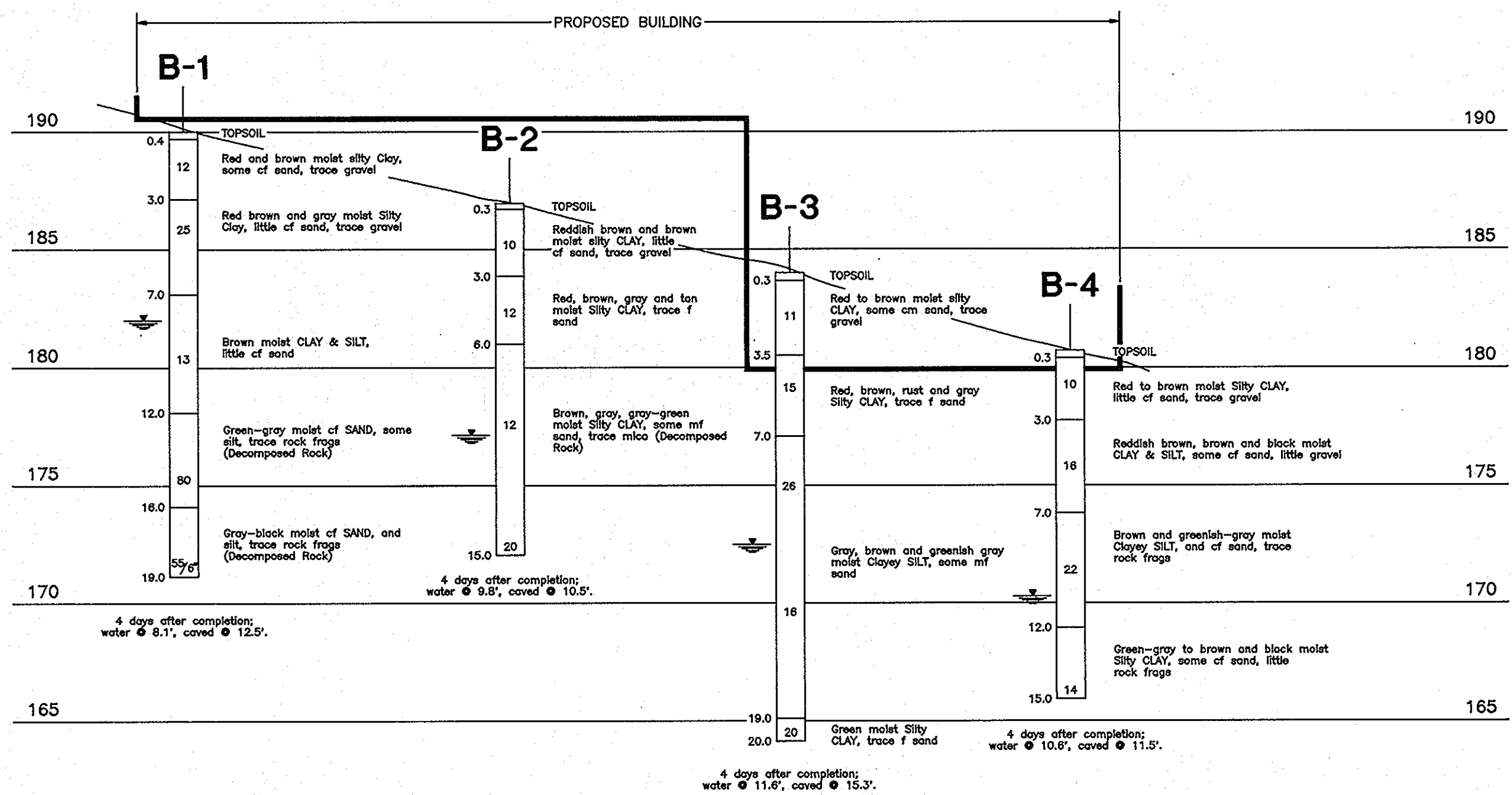
**MARKS-VOGEL ASSOCIATES, INC.**  
ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 ELLICOTT CITY, MARYLAND 21048 TELEPHONE: (410) 461-8828 FAX: (410) 466-3666

DESIGN BY: R.H.V.	
DRAWN BY: D.G.H.	
CHECKED BY: R.H.V.	
DATE: APRIL, 1994	
SCALE: AS SHOWN	8 SHEET OF 8
W.O. NO.: 93-08	

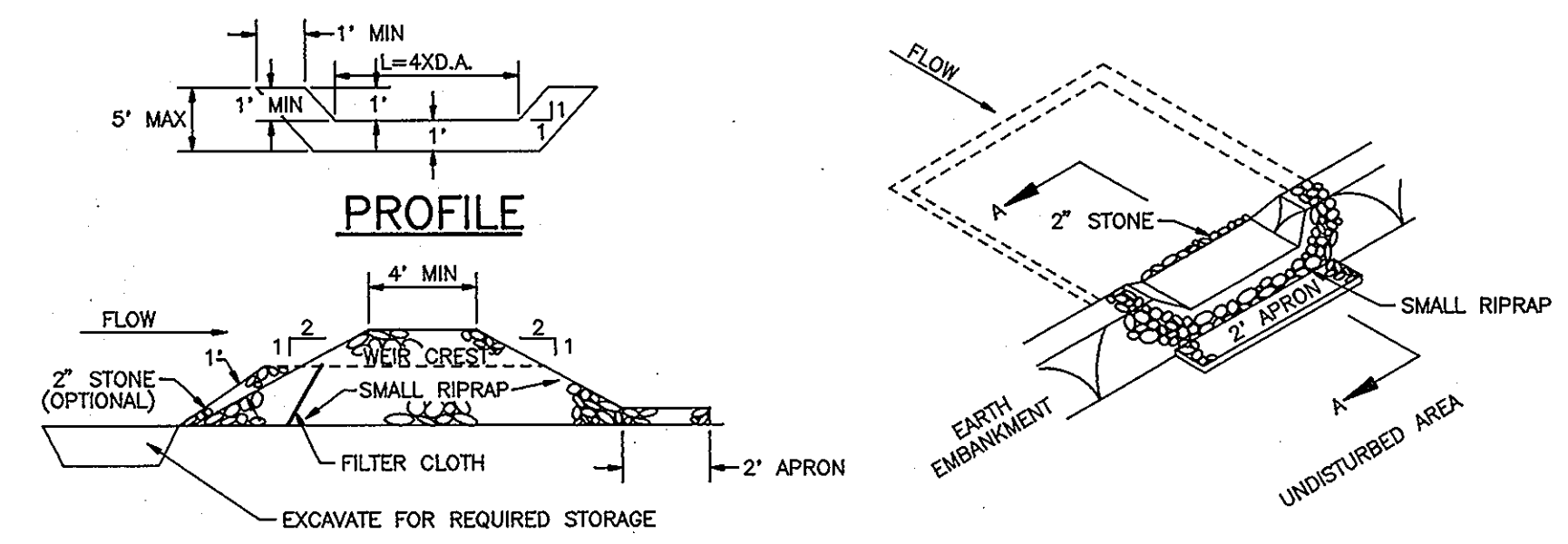


SECTION C-C  
BORING PROFILES  
NOT TO SCALE



SECTION A-A  
BORING PROFILES  
NOT TO SCALE

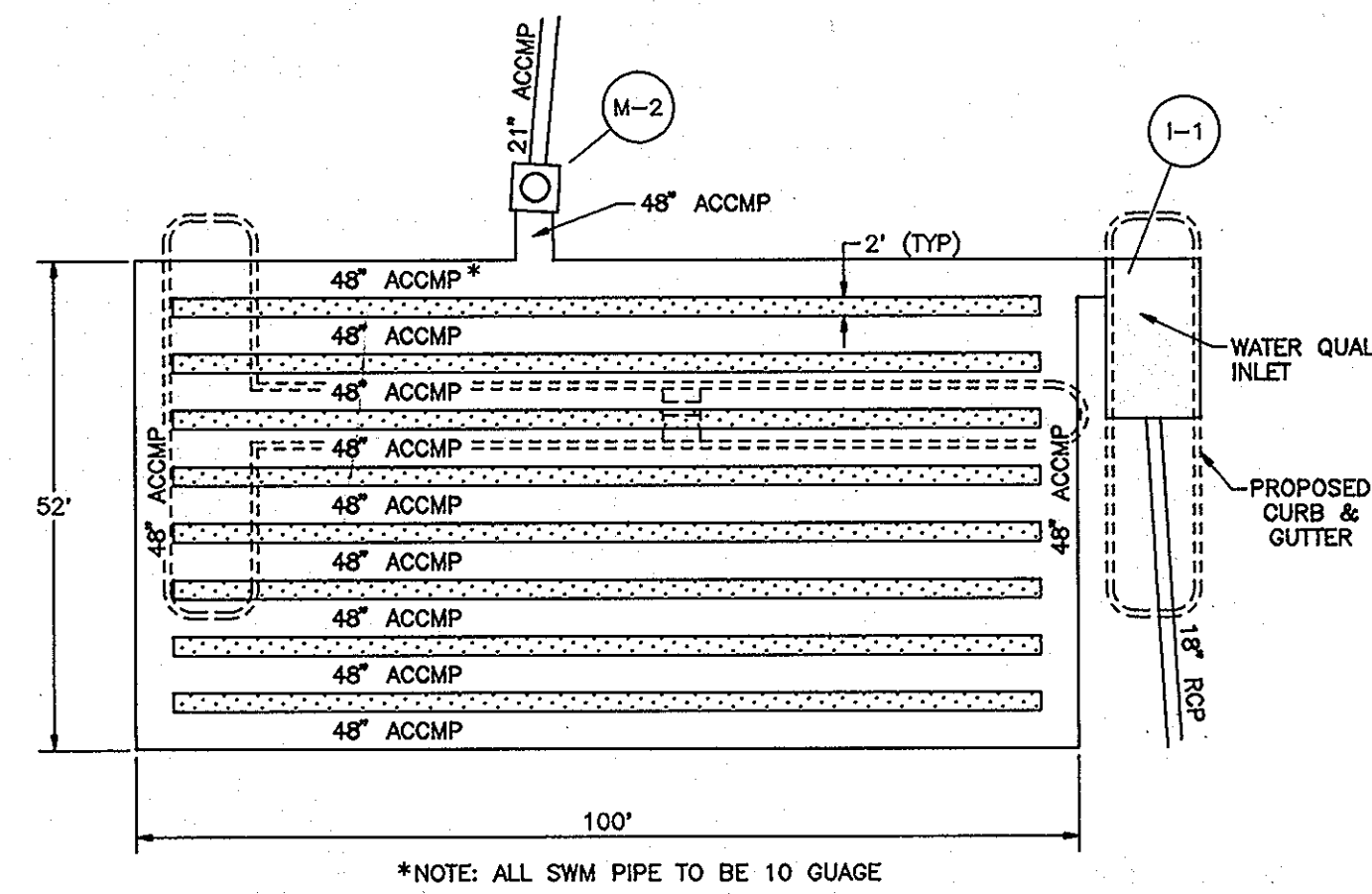
SOIL TESTING AND REPORT BY:  
HERBST & ASSOCIATES  
414 MAIN STREET  
REISTERSTOWN, MARYLAND 21136  
TELEPHONE: (410) 526-7200



CROSS SECTION A-A  
OPTION: A ONE FOOT LAYER OF 2" STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP IN PLACE OF THE EMBEDDED FILTER CLOTH.

- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
- THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVERSIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING THE EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
- THE STONE USED IN THE OUTLET SHALL BE SMALLER RIPRAP 4"-8" ALONG WITH A 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF TRAP.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
- THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

STONE OUTLET SEDIMENT TRAP IV  
NOT TO SCALE



SCHEMATIC DETAIL OF SUBSURFACE STORMWATER MANAGEMENT FACILITY  
SCALE: 1"=20'

**SWM SYSTEM SPECIFICATIONS**

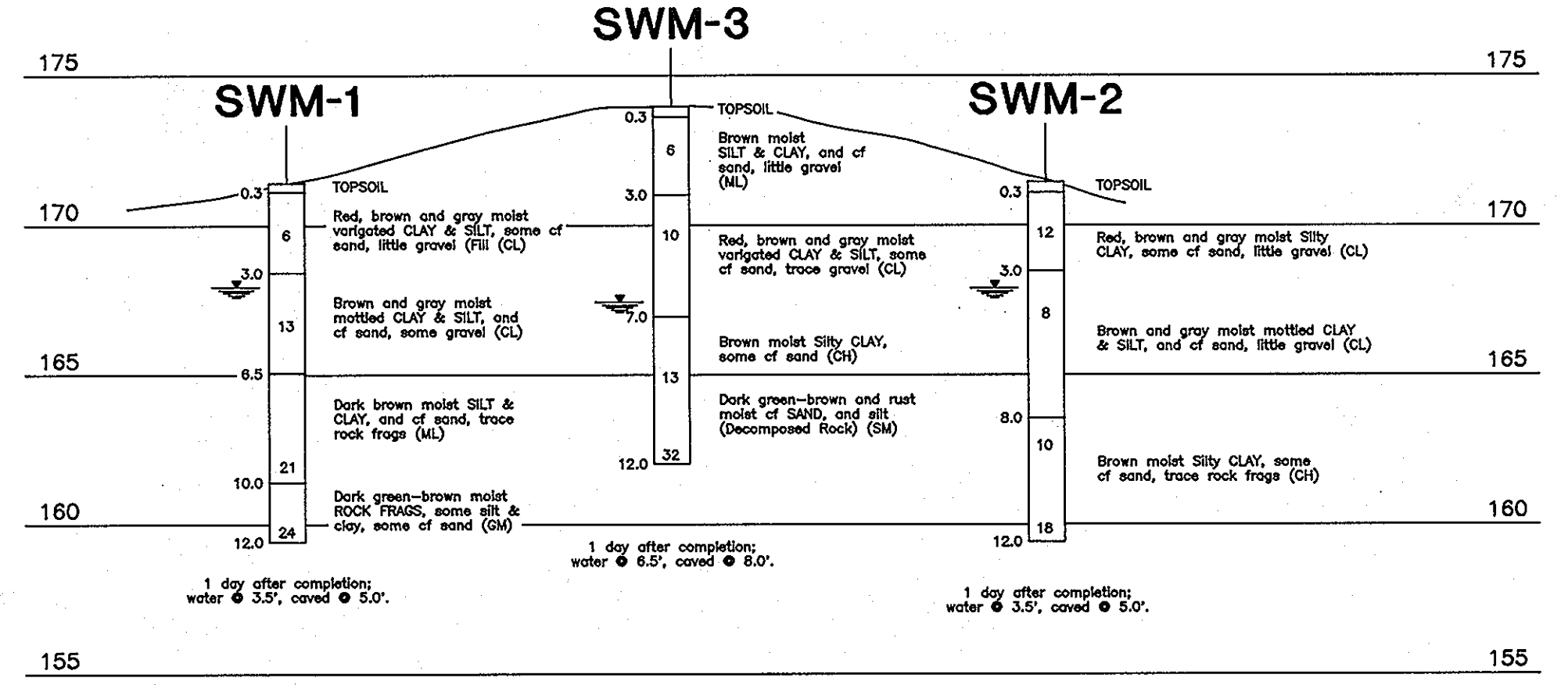
**PIPE MATERIALS**  
ALL PIPE SHALL BE OF SIZE AND GAUGE SHOWN ON PLANS. PIPE SHALL BE 2-2 1/2" x 1/2" CORRUGATIONS, LOCK SEAM, ALUMINIZED TYPE 2 COATED PER AASHTO M-274-87. PIPE SHALL HAVE A MINIMUM OF 2 RE-ROLLED CORRUGATIONS EACH END AND SHALL BE JOINED WITH A 1 1/2" HUGGER TYPE BAND, O-RING GASKETS AND T40 JOINT SEALANT.

**FITTINGS**  
SHALL BE SHOP FABRICATED AND ALL CUTS TO BE FULLY WELDED FOR THE FULL PERIPHERY. PIPE MANUFACTURERS SHALL DETERMINE TYPE OF FITTING ARRANGEMENT BASED ON BEST LAYOUT, PRACTICAL SHIPPING LOADS, ETC.

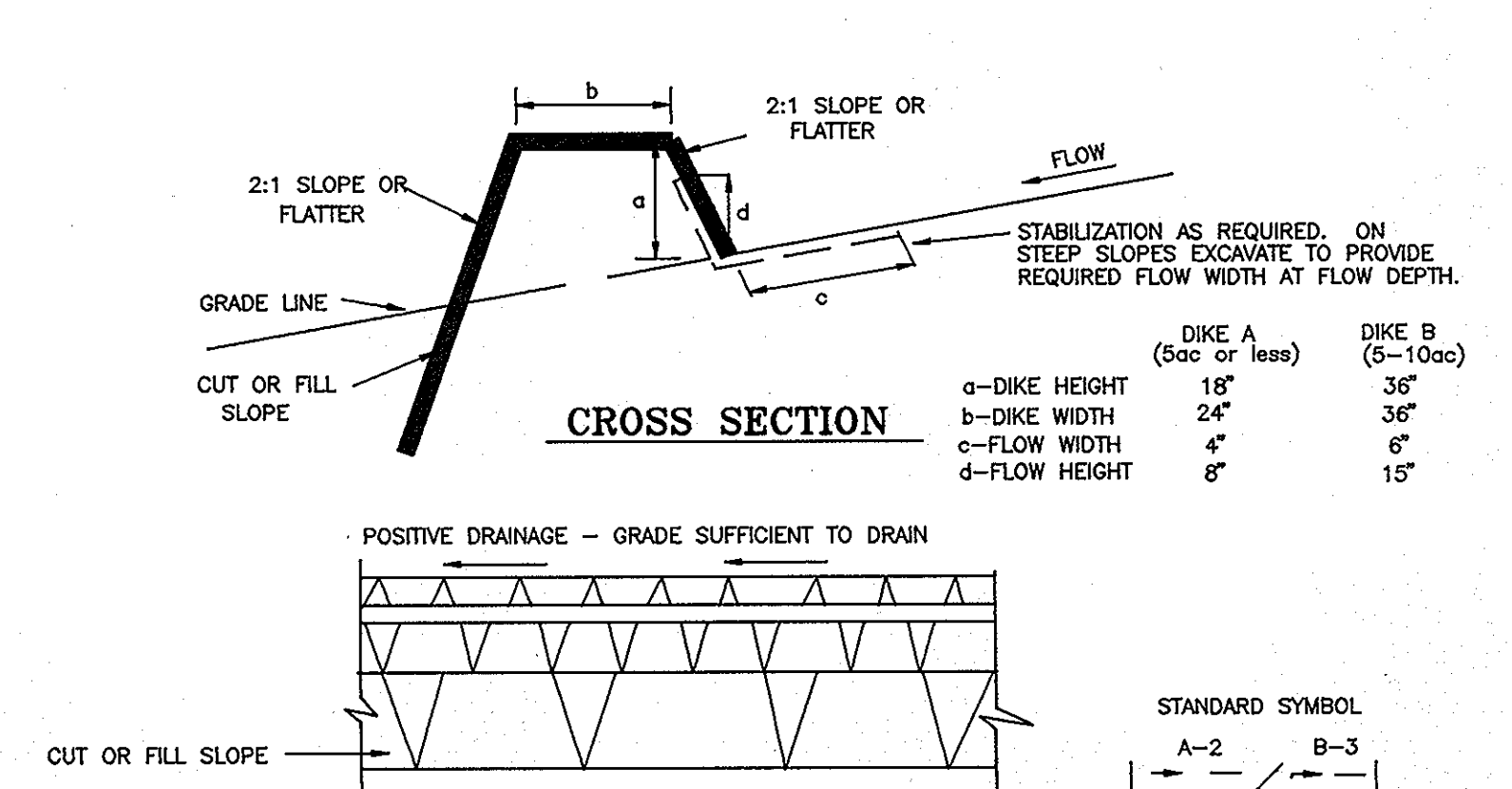
**SHOP DRAWINGS AND JOINT INSTALLATION GUIDE**  
SHALL BE SUBMITTED TO THE ENGINEER BY THE PIPE SUPPLIER FOR REVIEW AND APPROVAL.

**GAUGE**  
ALL STORMWATER MANAGEMENT PIPE TO BE GAUGE 10.

**BACKFILL & BEDDING**  
OF STORM WATER RETENTION SYSTEM SHALL CONFORM TO THE NATIONAL CORRUGATED STEEL PIPE ASSOCIATION INSTALLATION MANUAL AND MANUFACTURERS SPECIFICATIONS. CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT PIPE FROM OFF HIGHWAY EQUIPMENT LOADS UNTIL FINAL COVER AND PAVING IS IN PLACE.



SECTION B-B  
BORING PROFILES  
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

- ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
- ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
- EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
- DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.

FLOW CHANNEL STABILIZATION			
TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING SOIL STABILIZATION MATINGS, OR SOD LINED RIP-RAP 4-8"
3	5.1-8.0%	SEED WITH SOIL STABILIZATION MATTING, OR SOD	ENGINEERING DESIGN
4	8.1-20%	UNLINED RIP-RAP 4-8"	ENGINEERING DESIGN

A. RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.  
B. SUBSTITUTION FOR ANY OF THE ABOVE MATERIALS MAY BE CONSIDERED BUT MUST BE APPROVED BY THE ENGINEER.

7. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART ABOVE.  
8. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

EARTH DIKE  
N.T.S

OWNER/DEVELOPER  
HUBBARD FUNERAL HOME, INC.  
P.O. BOX 130548  
1929 ALLEN PARKWAY  
HOUSTON, TEXAS 77219-0548  
TELEPHONE: (713) 522-5141

NO.	REVISION	DATE

MEADOWRIDGE MEMORIAL PARK  
FUNERAL HOME  
SOIL BORING PROFILES, SWM DETAILS &  
SEDIMENT & EROSION CONTROL DETAILS  
TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

MARKS-VOGEL ASSOCIATES, INC.  
ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: (410) 461-5828 FAX: (410) 466-3968

DESIGN BY: R.H.V.	
DRAWN BY: D.G.H.	
CHECKED BY: R.H.V.	
DATE: APRIL 1994	
SCALE: AS SHOWN	
W.O. NO.: 93-08	

**ENGINEERS 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT"  
Signature of Engineer: Robert H. Vogel  
Date: 12/13/94

**DEVELOPER'S CERTIFICATE**  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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."  
Signature: Curtis G. Briggs  
Title: VICE PRESIDENT  
Date: 12/13/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
Signature: Patricia Engle  
Title: U.S. SOIL CONSERVATION SERVICE  
Date: 12/27/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
Signature: James B. Rutter  
Title: DIRECTOR  
Date: 1/12/95

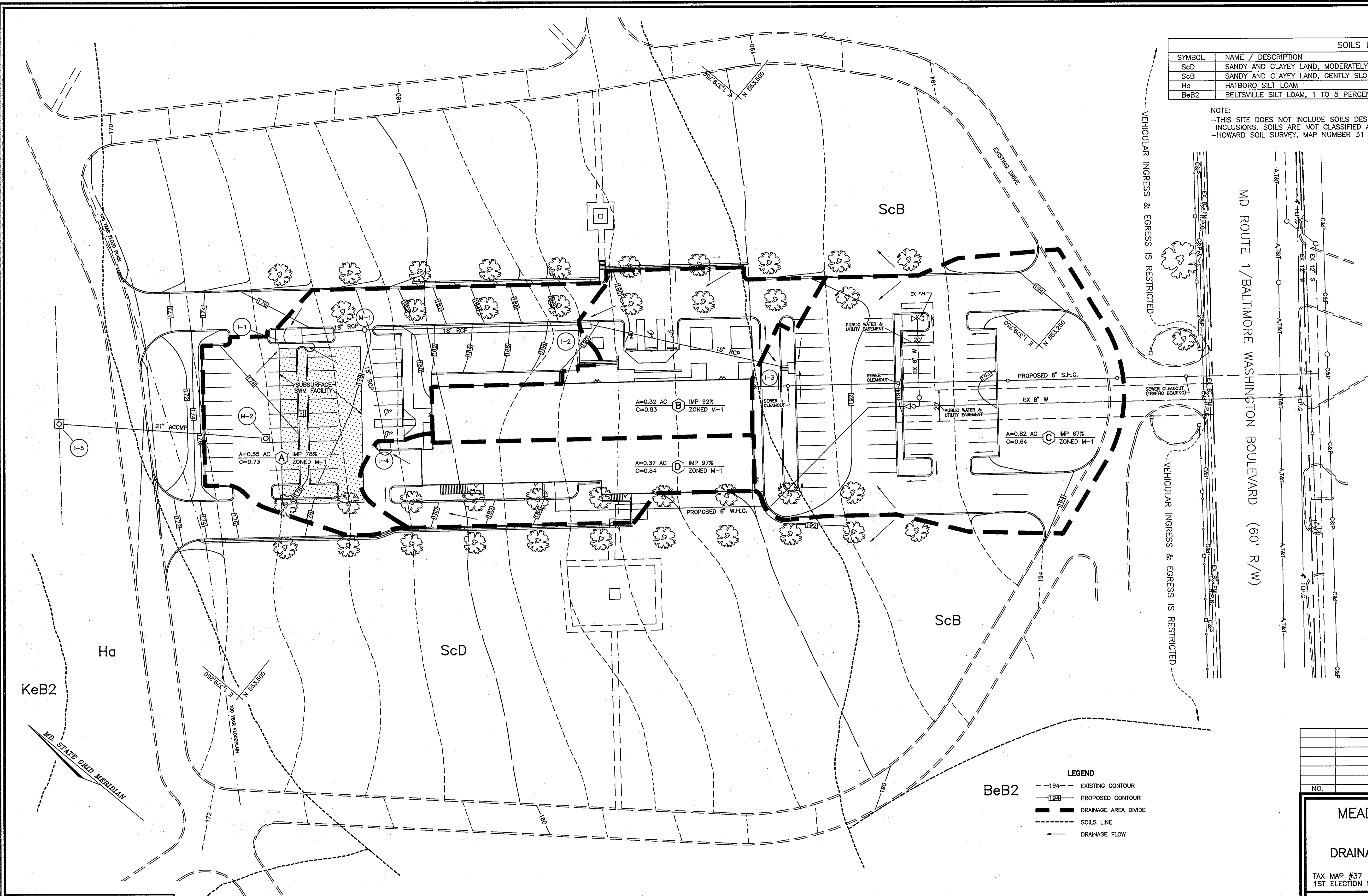
APPROVED: CHIEF, LAND DEVELOPMENT AND RESEARCH  
Signature: Oliver S. ...  
Title: CHIEF, LAND DEVELOPMENT AND RESEARCH  
Date: 1/19/95

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
Signature: James M. ...  
Title: COUNTY HEALTH OFFICER  
Date: 1/9/95

SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER
MEADOWRIDGE MEMORIAL PARK	N/A	178
DEED REF.	BLOCK NO.	ZONE
L151/F.32	22823	M-1
TAX/ZONE	ELECT. DIST.	CENSUS TR.
37	1ST	6051
WATER CODE	SEWER CODE	
B 01	2320000	

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	TYPE
ScD	SANDY AND CLAYEY LAND, MODERATELY SLOPING	C
ScB	SANDY AND CLAYEY LAND, GENTLY SLOPING	C
Ha	HATBORO SILT LOAM	D
BeB2	BELTSVILLE SILT LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED	C

NOTE:  
 -THIS SITE DOES NOT INCLUDE SOILS DESIGNATED AS HYDRIC OR SOILS WITH HYDRIC INCLUSIONS. SOILS ARE NOT CLASSIFIED AS HIGHLY ERODIBLE.  
 -HOWARD SOIL SURVEY, MAP NUMBER 31



OWNER/DEVELOPER  
 HUBBARD FUNERAL HOME, INC.  
 P.O. BOX 130548  
 1929 ALLEN PARKWAY  
 HOUSTON, TEXAS 77219-0548  
 TELEPHONE: (713) 522-5141

**LEGEND**

---194---	EXISTING CONTOUR
---194---	PROPOSED CONTOUR
---	DRAINAGE AREA DIVIDE
---	SOILS LINE
---	DRAINAGE FLOW

NO.	REVISION	DATE

**MEADOWRIDGE MEMORIAL PARK  
 FUNERAL HOME  
 DRAINAGE AREA MAP AND SOILS MAP**

TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 TELLCOTT CITY, MARYLAND 21048 TELEPHONE: (410) 461-6228 FAX: (410) 465-3966

DESIGN BY: R.H.V.	
DRAWN BY: D.G.H.	
CHECKED BY: R.H.V.	
DATE: APRIL 1984	
SCALE: 1"=30'	
W.O. NO.: 93-08	6 SHEET 8 OF

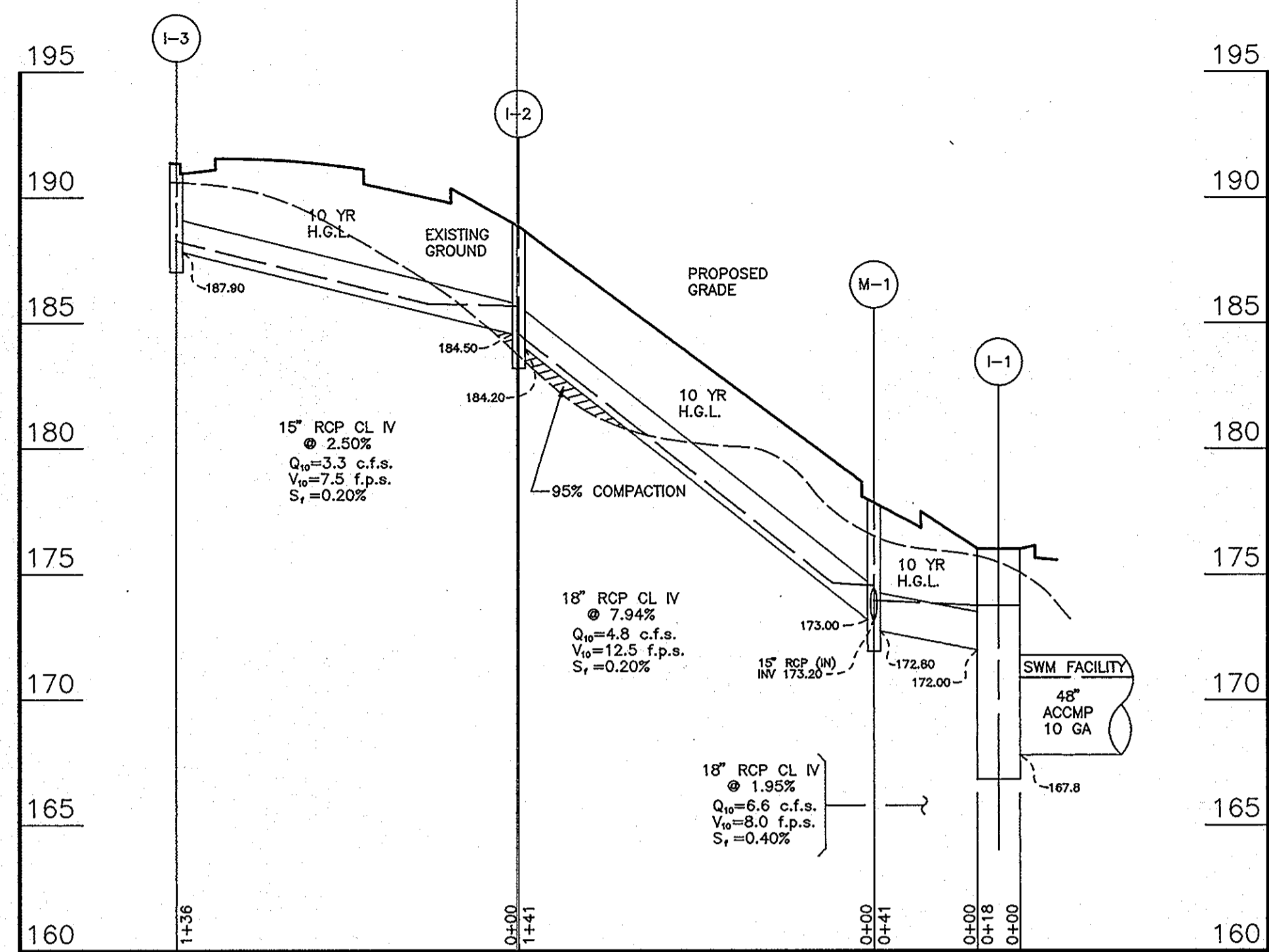
**ENGINEERS CERTIFICATE**  
 "I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT"  
 Signature of Engineer: *Robert H. Vogel* 12/19/94 DATE

**DEVELOPER'S CERTIFICATE**  
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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."  
 Signature: *Curtis G. Briggs* 12/5/94 DATE  
 CURTIS G. BRIGGS, VICE PRESIDENT

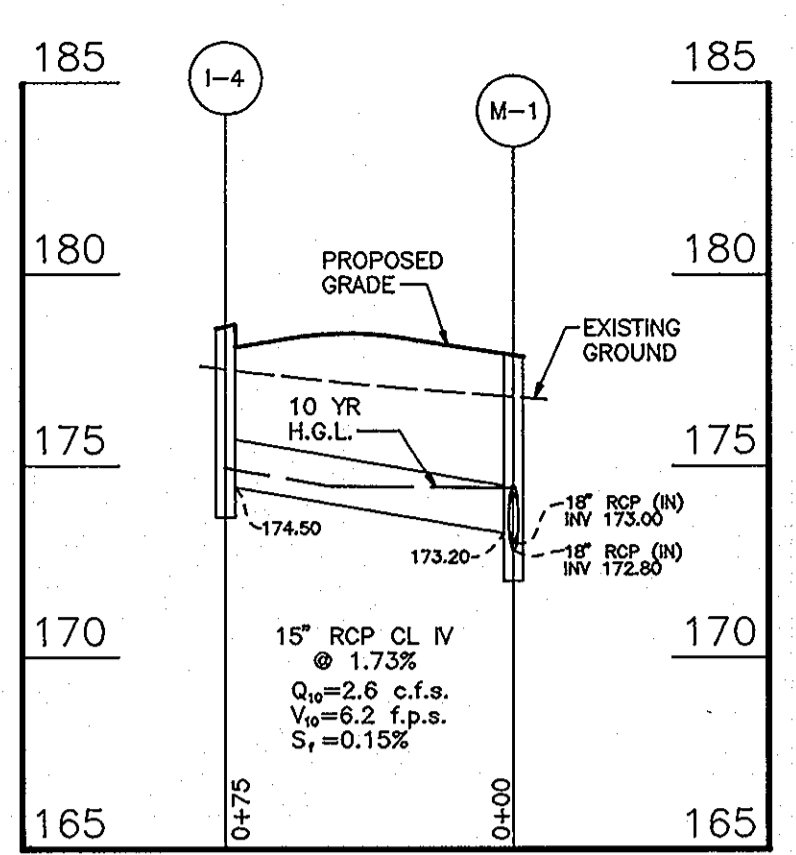
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 U. S. SOIL CONSERVATION SERVICE DATE  
 THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 APPROVED: \_\_\_\_\_ DATE  
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 Signature: *Jane S. ...* 1/19/95 DATE  
 DIRECTOR  
 Signature: *Aina ...* 1/11/95 DATE  
 CHIEF, LAND DEVELOPMENT AND RESEARCH  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Signature: *James ...* 1/3/95 DATE  
 DIRECTOR  
 Signature: *Paul ...* 1/3/95 DATE  
 CHIEF, BUREAU OF ENGINEERING

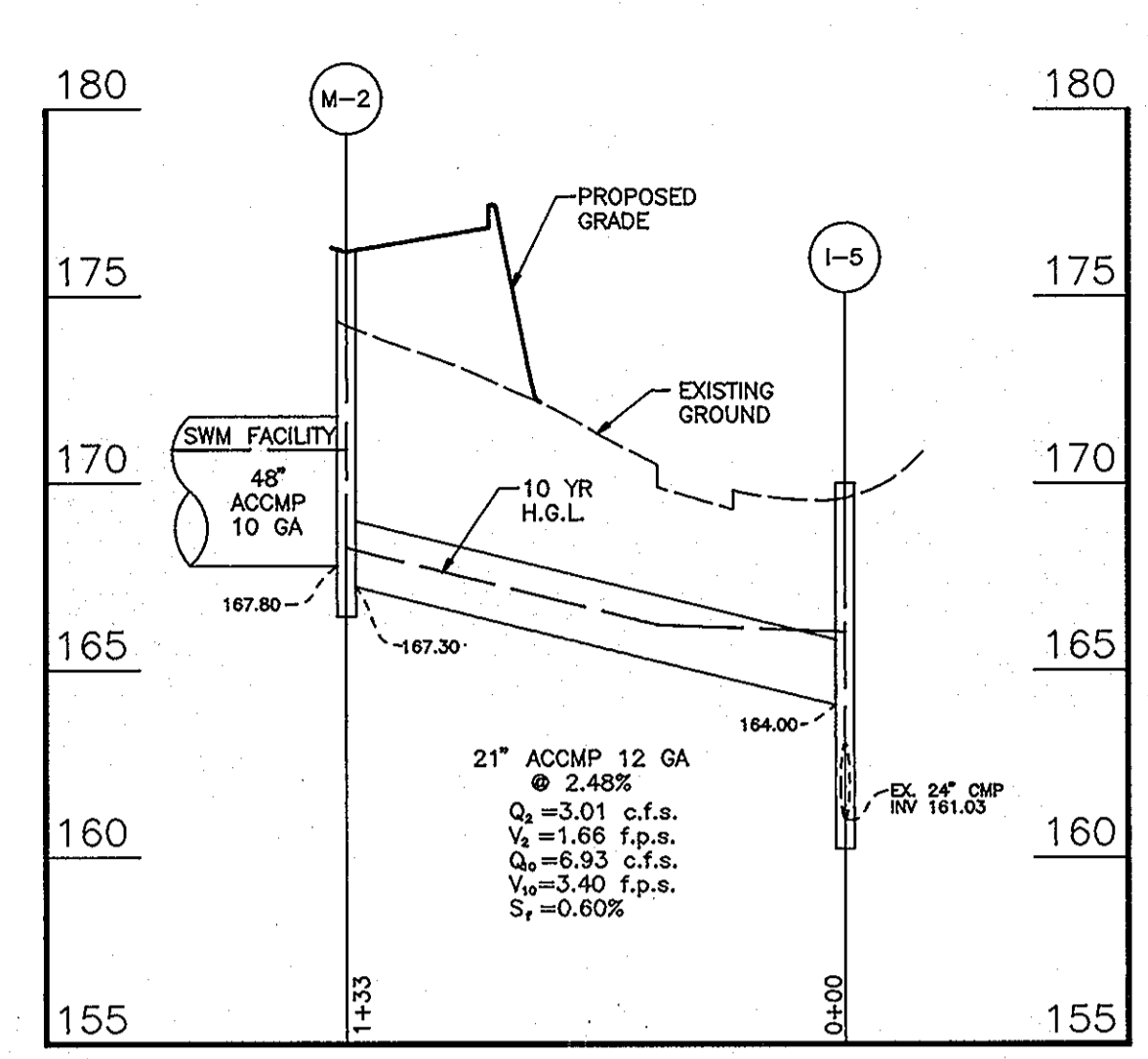
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 Signature: *Joyce M. ...* 1/9/95 DATE  
 COUNTY HEALTH OFFICER  
 SUBDIVISION NAME: MEADOWRIDGE MEMORIAL PARK SECTION/AREA: N/A PARCEL NUMBER: 178  
 DEED REF. L.151/F.32 BLOCK NO. 22&23 ZONE M-1 TAX/ZONE 37 ELECT. DIST. 1ST CENSUS TR. 6012  
 WATER CODE: B 01 SEWER CODE: 2320000



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



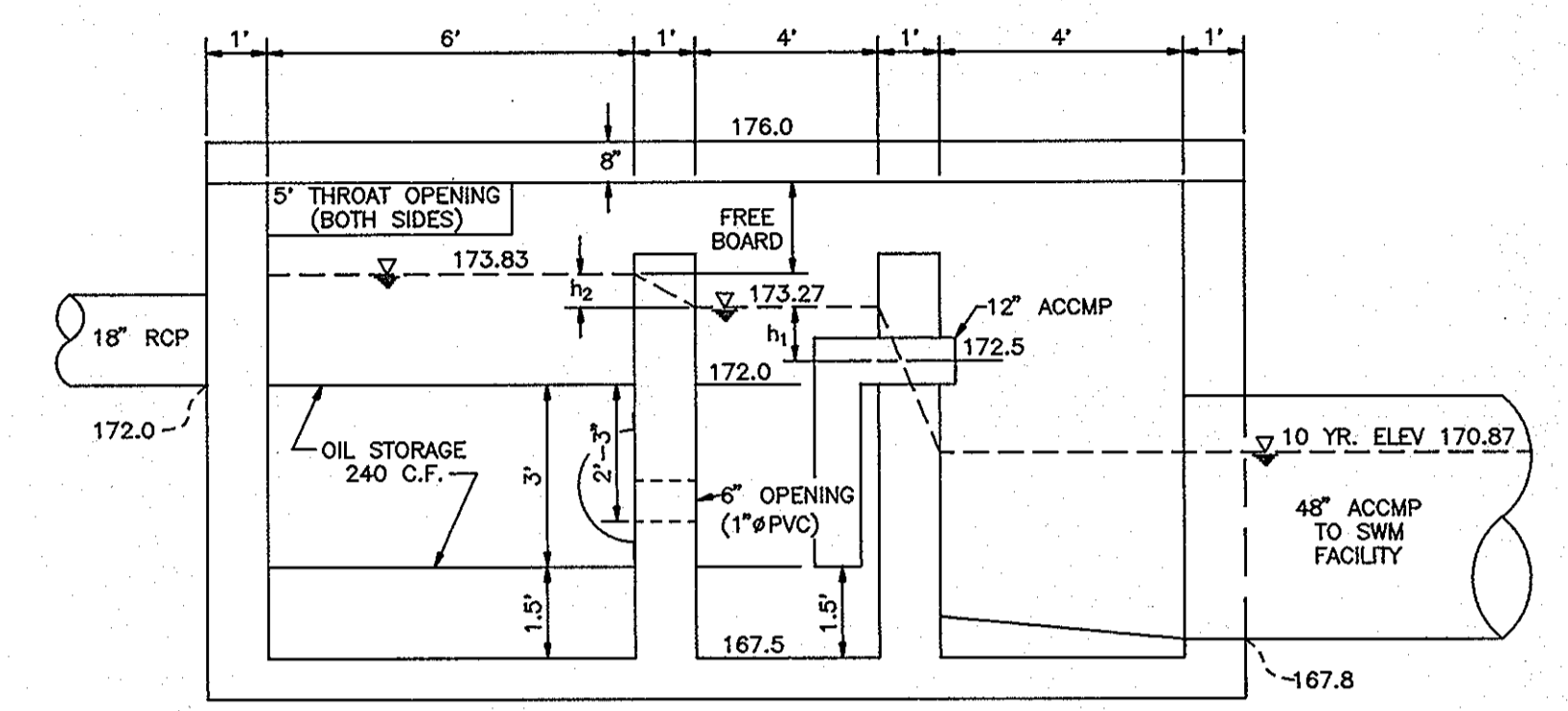
STORM DRAIN PROFILE  
SCALE: VERT. 1"=5', HORIZ. 1"=50'



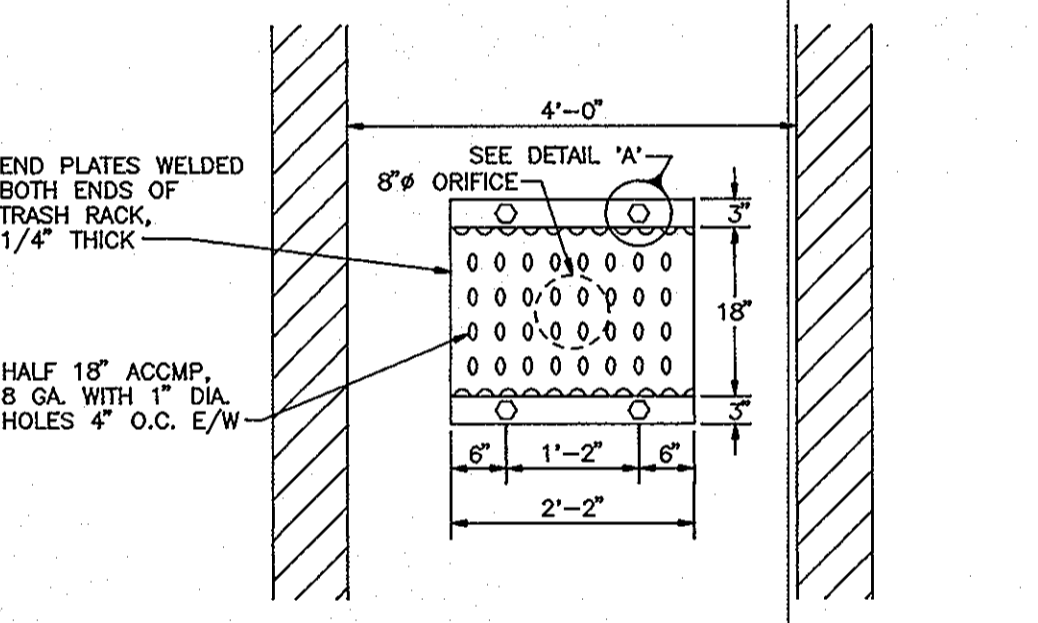
STORM DRAIN PROFILE  
SCALE: VERT. 1"=5', HORIZ. 1"=50'

STRUCTURE SCHEDULE						
NO.	TYPE	TOP ELEVATION	LOCATION	INV IN	INV OUT	REMARKS
I-1	PRECAST OIL & GRIT SEPARATOR INLET	176.00	E 'A' STA. 1+83.46 12.00' RIGHT	172.00	167.80	HOWARD COUNTY STD. DTL. W3.27 AND DETAIL THIS SHEET
I-2	PRECAST STD. TYPE A-10 INLET	189.80	E 'A' STA. 3+81.86 12.00' RIGHT	184.50	184.20	HOWARD COUNTY STD. DTL. SD 4.42
I-3	PRECAST STD. TYPE A-5 INLET	191.40	E 'A' STA. 5+15.69 45.48' RIGHT	-	187.90	HOWARD COUNTY STD. DTL. SD 4.41
I-4	PRECAST STD. TYPE A-5 INLET	178.60	E 'B' STA. 2+61.16 43.10' LEFT	-	174.50	HOWARD COUNTY STD. DTL. SD 4.41
M-1	4'-0" SHALLOW PRECAST MANHOLE	177.83	E 'A' STA. 2+40.48 14.50' RIGHT	173.00	172.80	HOWARD COUNTY STD. DTL. GS.12
M-2	5'-0" SHALLOW PRECAST MANHOLE	176.15	E 'B' STA. 2+81.93 46.53' LEFT	167.80	167.30	HOWARD COUNTY STD. DTL. GS.03 MODIFIED TO INCLUDE FLOW CONTROL BAFFLE
I-5	PRECAST STD. TYPE D INLET	169.20*	E 'B' STA. 0+17.00 19.39' RIGHT	161.05	161.00	HOWARD COUNTY STD. DTL. SD 4.39

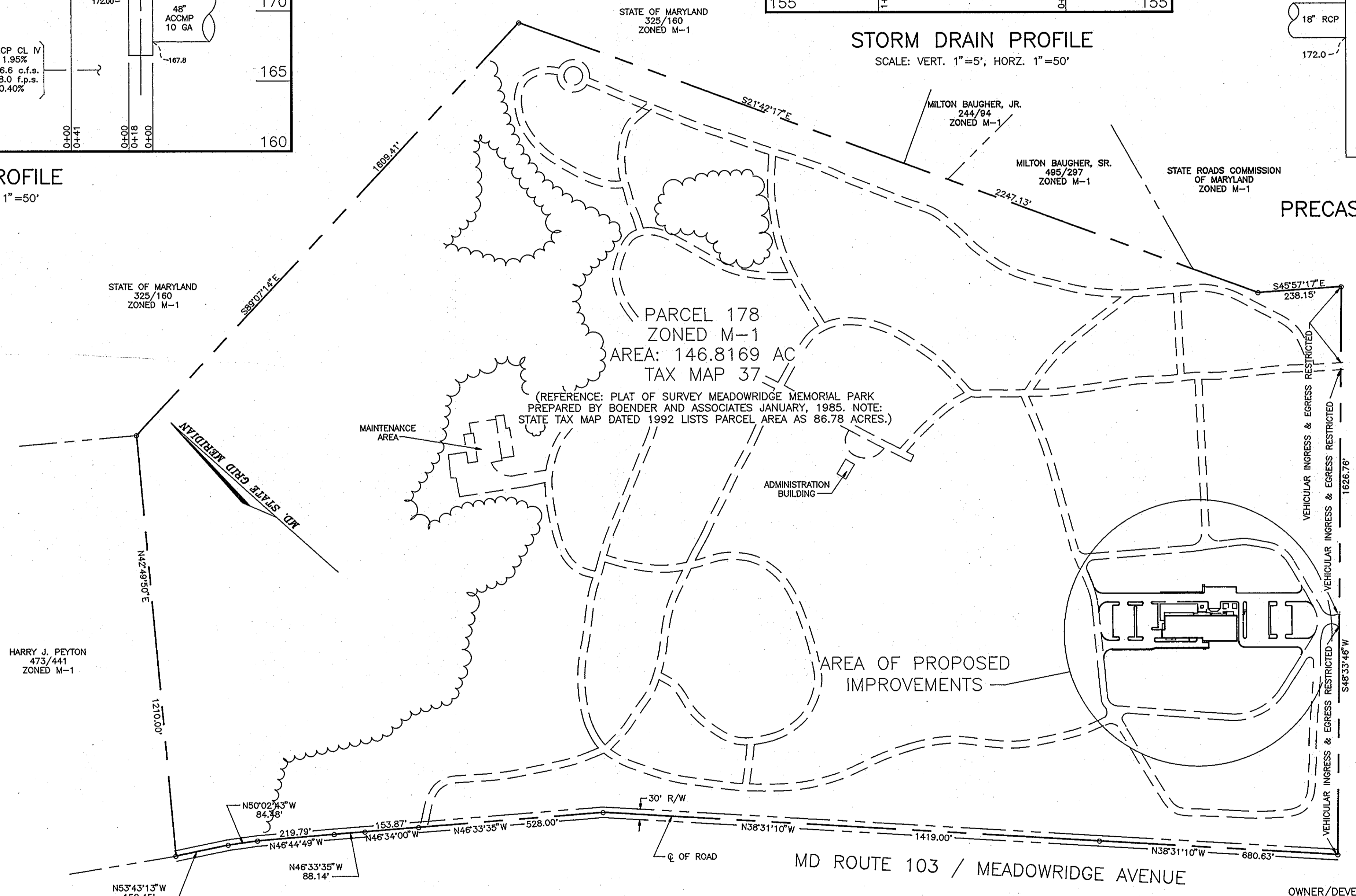
\*NOTE: THROAT INVERT



PRECAST OIL & GRIT SEPARATOR SCHEMATIC DETAIL  
SEE HOWARD COUNTY STD. DETAIL W3.27 NOT TO SCALE



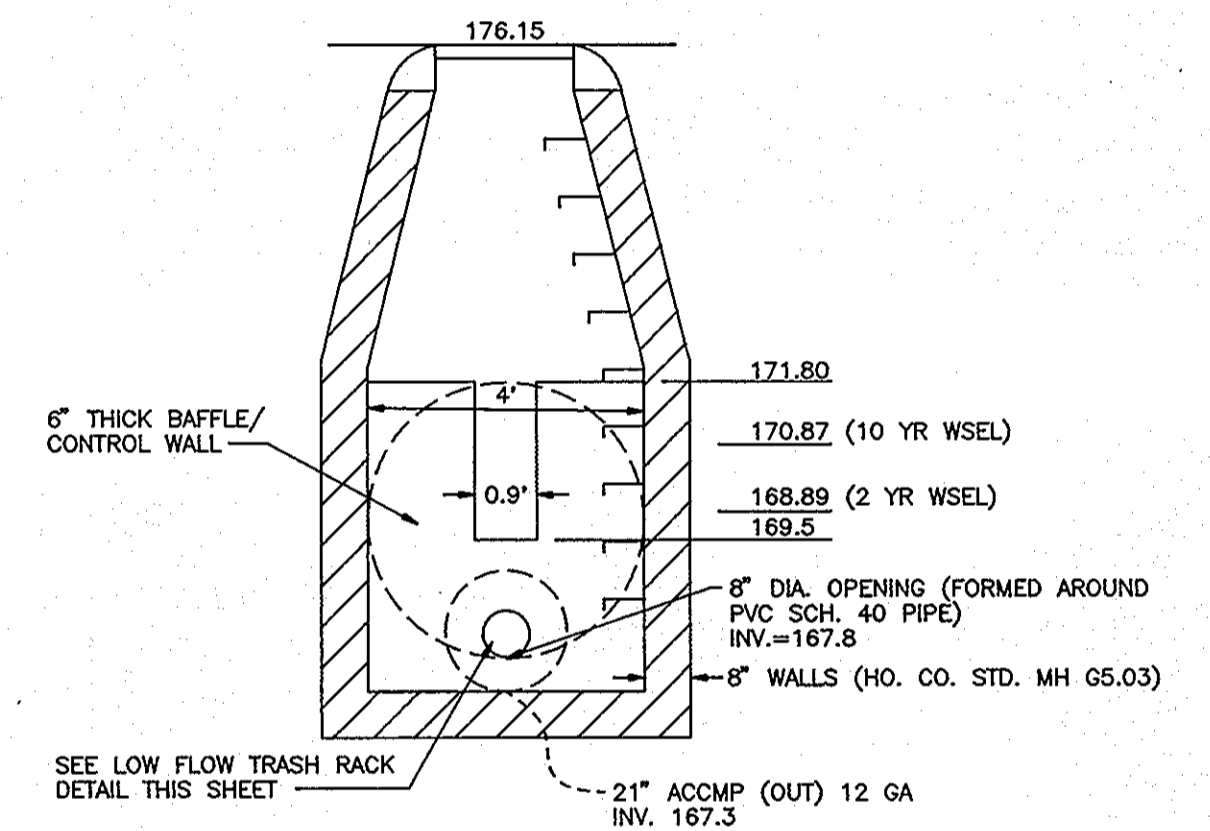
DETAIL 'A'  
LOW FLOW TRASH RACK FOR STRUCTURE M-2  
NOT TO SCALE



PARCEL BOUNDARY  
SCALE: 1"=200'

STORMWATER MANAGEMENT FACILITY

	Q <sub>1</sub>	Q <sub>2</sub>
ALLOWABLE RELEASE RATE (TOTAL)	2.98 c.f.s.	7.20 c.f.s.
INFLOW	6.93 c.f.s.	11.60 c.f.s.
DISCHARGE (FACILITY)	2.94 c.f.s.	6.90 c.f.s.
DISCHARGE (TOTAL)	3.01 c.f.s.	7.03 c.f.s.
ELEVATION	169.89	170.87
DRAINAGE AREA	0.175 AC-FT	0.225 AC-FT



MANHOLE 2 FLOW CONTROL BAFFLE SCHEMATIC DETAIL  
SEE HOWARD COUNTY STD. DETAIL GS.03 NOT TO SCALE

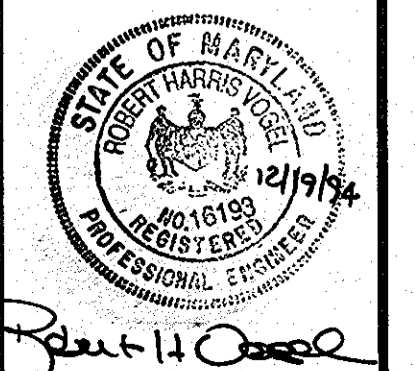
NO.	REVISION	DATE

MEADOWRIDGE MEMORIAL PARK FUNERAL HOME  
STORMDRAIN PROFILES, DETAILS & PARCEL BOUNDARY  
TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

MARKS-VOGEL ASSOCIATES, INC.  
ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 ELLICOTT CITY, MARYLAND 21048  
TELEPHONE: (410) 481-5828 FAX: (410) 485-8968

DESIGN BY: R.H.V.  
DRAWN BY: D.G.H.  
CHECKED BY: R.H.V.  
DATE: APRIL, 1994  
SCALE: AS SHOWN  
W.O. NO.: 93-08

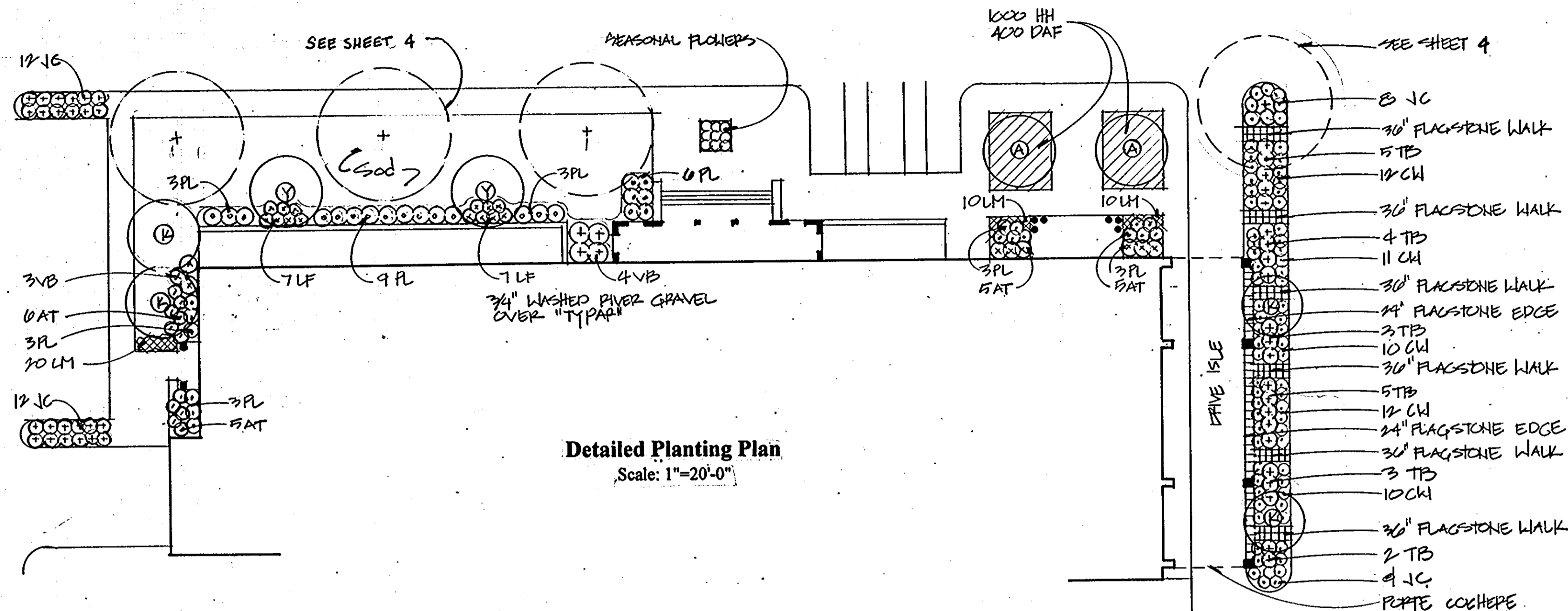


5 SHEET OF 8

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
U.S. SOIL CONSERVATION SERVICE DATE  
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
DIRECTOR DATE  
APPROVED: CHIEF, LAND DEVELOPMENT AND RESEARCH  
DATE  
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER DATE  
SUBDIVISION NAME SECTION/AREA PARCEL NUMBER  
MEADOWRIDGE MEMORIAL PARK N/A 178  
PLAT NO. BLOCK NO. ZONE TAX/ZONE ELECT. DIST. CENSUS TR.  
L151/F.32 22&23 M-1 37 1ST 6051  
B01 2320000  
WATER CODE SEWER CODE



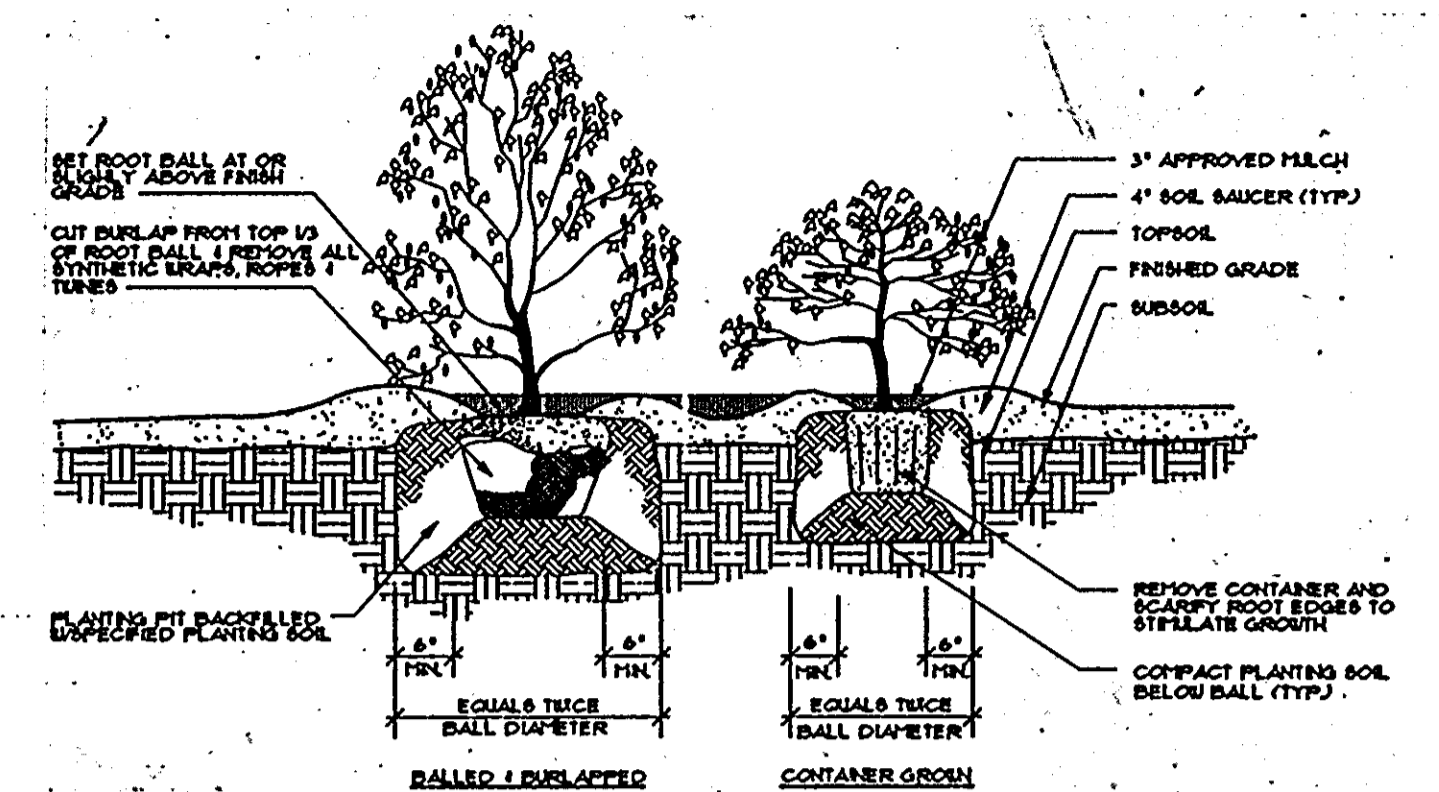
**Detailed Planting Plan**  
Scale: 1"=20'-0"

**Plant List**

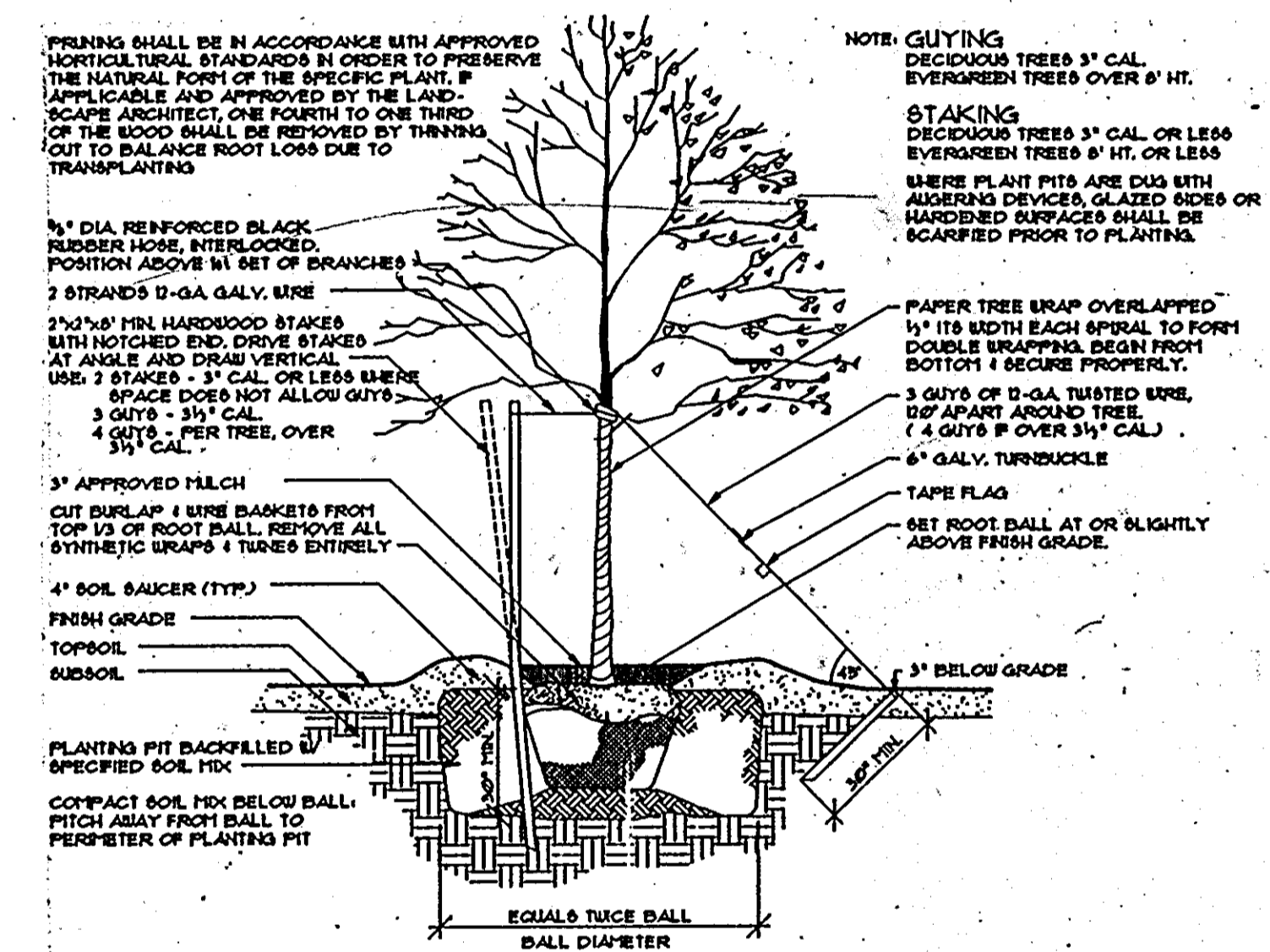
Key	Qty	Botanical Name	Size	Cont.	Comments
<b>TREES</b>					
A	2	Acer palmatum Bloodgood	5'-6'ht.	B&B	Matched
D	4	Bloodgood Japanese Maple	5'-6'ht.	B&B	
K	4	Cornus florida rubra	6'-7'ht.	B&B	Matchrd
P	20	Cornus kosa	3-1/2" cal.	B&B	
Y	27	Kosa Dogwood	2" cal.	B&B	
<b>SHRUBS</b>					
AT	26	Quercus palustris	18"-24"ht.	Cont.	
CW	91	Pin Oak	18"-24" Sp.	Cont.	
EA	208	Willowleaf Cotoneaster	24"-30" ht.	B&B	
IN	12	Euonymus alatus compacta	5'-6" ht.	B&B	
JC	174	Compact Winged Euonymus	18"-24" Sp.	Cont.	
LF	14	Ilex X Nellie Stevens	18"-24" sp.	Cont.	
PL	33	Nellie Stevens Holly	24"-30" sp.	B&B	
TM	51	Juniperus ch. "Sea Green"	18"-24" ht.	B&B	
TB	44	Sea Green Juniper	18"-24" sp.	B&B	
VB	28	Leucothoe font. "Rainbow"	3'-4" ht.	B&B	
<b>PERENNIALS, BULBS, &amp; GROUNDCOVERS</b>					
HH	1300	Rainbow Leucothoe	2.25 P.P.	Flats	
LM	40	Hedera helix English Ivy	1 gal.	Cont.	
R	80	Liriope muscari Purple Liriope	1 gal.	Cont.	
DAF	600	Rudbeckia Black-eyed Susan	Top size		
		Narcissus King Alfred			
		King Alfred Daffodil			

**Planting Notes**

- All plants provided by the Contractor to be nursery grown and furnished in accordance with AAN "American Standards For Nursery Stock" ANSI Z60.1.
- All trees to branch symmetrically around central leader. No forked leader stock will be accepted.
- Plant material types and sizes may vary due to market availability at time of construction. Any substitutions are to be of equivalent type and size, and must be approved in writing by the Landscape Architect. Containerized shrub stock may be substituted for B&B shrubs if approved in writing by the Landscape Architect.
- The Contractor shall notify all utility companies five (5) days prior to beginning work.
- Any damage to the existing utilities, buildings, paving, curbs, walls, and vegetation (not so designated for removal on these plans) shall be repaired to previous condition or replaced by the Contractor at his expense.
- All areas disturbed during construction are to be seeded with a turf type Tall Fescue unless noted otherwise.
- All planting procedures and specifications shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Area" latest edition.
- All flagstone paving shall be 1-1/2" thick, 18" X 18" or 24" X 24" gray square cut flagstone set on 2" stone dust base. Subgrade shall be well compacted.
- See sheet 3 for additional planting information.
- All plant beds shall receive 3" of double shredded hardwood bark mulch after planting is completed.



**Shrub Planting Detail** • No Scale



**Tree Planting Detail** • No Scale

OWNER/DEVELOPER  
HUBBARD FUNERAL HOME, INC.  
P.O. BOX 130548  
1929 ALLEN PARKWAY  
HOUSTON, TEXAS 77219-0548  
TELEPHONE: (713) 522-5141

NO.	REVISION	DATE

**MEADOWRIDGE MEMORIAL PARK  
FUNERAL HOME  
LANDSCAPE DETAILS**

TAX MAP #37 DEED REFERENCE: 151/32 PARCEL 178  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 TELEPHONE: (410) 461-5828  
ELLICOTT CITY, MARYLAND 21048 FAX: (410) 465-3868

DESIGN BY: KAF  
DRAWN BY: KAF  
CHECKED BY:    
DATE: 4-24-94  
SCALE: 1"=30'  
W.O. NO.:  

**Rolling Acres Landscape, Inc.**  
2630 SPENCERVILLE ROAD  
BURTONSVILLE, MARYLAND 20866  
PHONE (301) 421-0111  
FAX (301) 421-9649

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
James Smith 1/12/95  
DIRECTOR DATE  
Anna Swinman 1/11/95  
CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
James M. Boyd 1/9/95  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
James P. Chen 1/3/95  
DIRECTOR DATE  
Richard Egan 1/3/95  
CHIEF, BUREAU OF ENGINEERING DATE

SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER
MEADOWRIDGE MEMORIAL PARK	N/A	178
DEED REF. BLOCK NO.	ZONE	TAX/ZONE
L151/E32	22&23	M-1
ELECT. DIST.	CENSUS TR.	
1ST	6012	
WATER CODE	SEWER CODE	
B 01	2320000	