

**GENERAL NOTES**

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HRS. IN ADVANCE OF ANY CONSTRUCTION.
3. STORM DRAINAGE TRENCHES WITHIN ROAD RIGHTS-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODES.
4. ANY DAMAGE TO PUBLIC RIGHTS-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
5. CONTRACTOR TO NOTIFY HOWARD COUNTY INSPECTION AND SURVEY DIVISION AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE: 792-7272.
6. 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.
7. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES CURRENT REVISED EDITION.
8. SEE SHEET 2 FOR STREET LIGHT LOCATION AND DESCRIPTION.

DATE  
BY  
SURVEYED  
ALIGNMENT CHECKED  
NOTE BOOK NO.  
RT. OF WAY CHECKED

PLAN

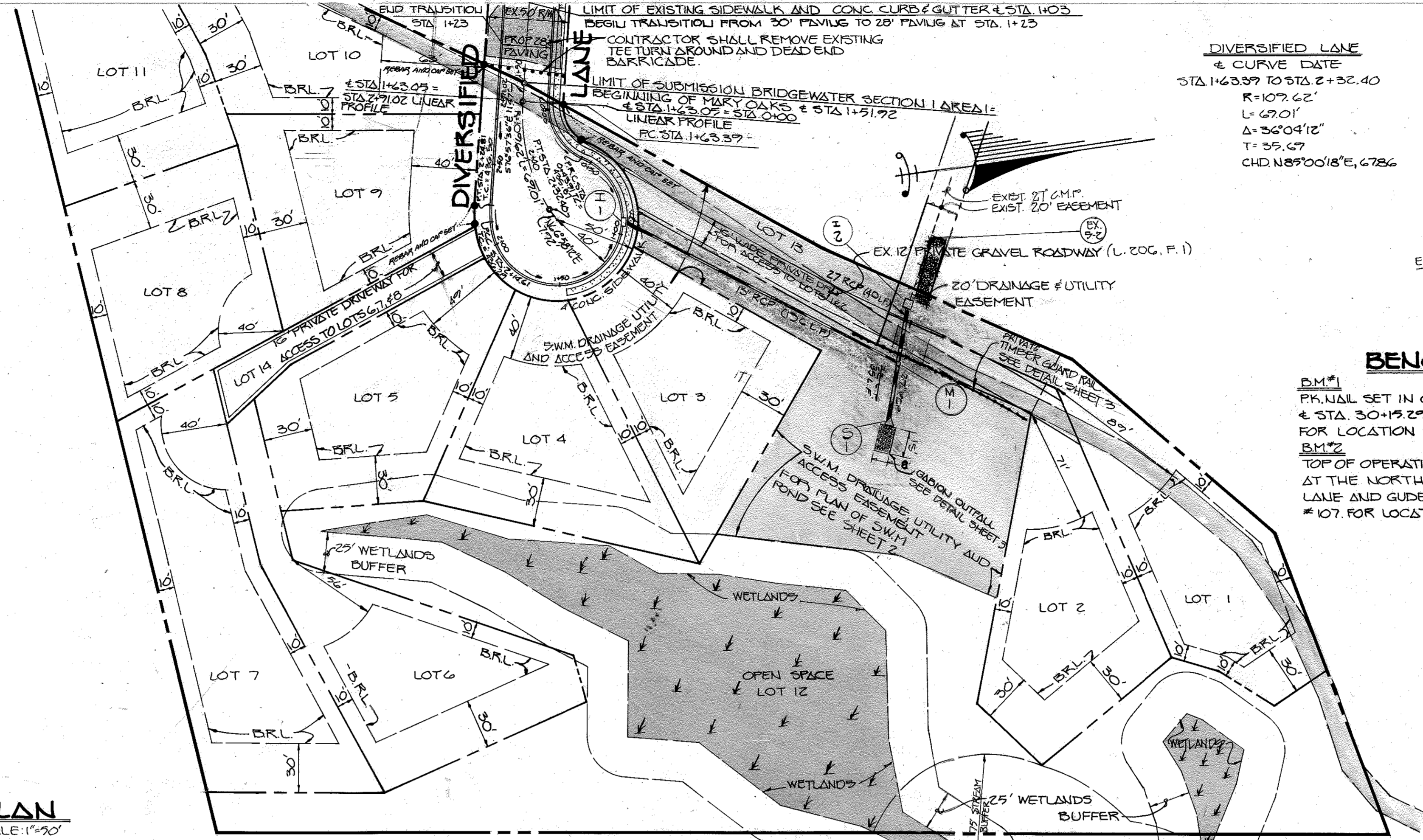
APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*Charles J. Crovo Sr.* 6/16/92  
CHIEF, LAND DEVELOPMENT DIVISION M.K. DATE

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*John M. Ferguson* 6/16/92  
CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*William S. Rieley* 6-3-92  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED  
DEPARTMENT OF PLANNING AND ZONING  
*Richard Blood* 6/5/92  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

**PLAN**  
SCALE: 1"=90'

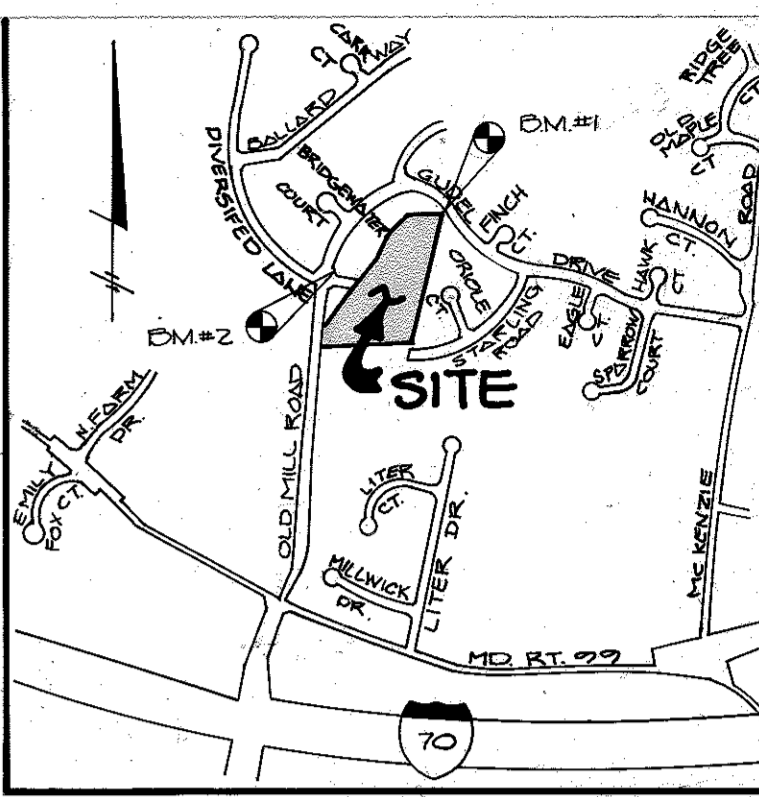


**DIVERSIFIED LANE**  
4 CURVE DATA  
STA 1+63.89 TO STA 2+32.40  
R=107.62'  
L=67.01'  
Δ=36°04'12"  
T=35.67'  
CHD N85°00'18"E, 678.6'

**BENCH MARKS**

**BM#1** ELEV. 407.62  
P.P. NAIL SET IN GUTTER PAN OF GUEDEL DRIVE AT STA. 30+3.27 KNOWN AS TRAVERSE STA 101. FOR LOCATION SEE SHEET TWO (2).

**BM#2** ELEV. 446.17  
TOP OF OPERATING BOLT ON FIRE HYDRANT LOCATED AT THE NORTHEAST INTERSECTION OF DIVERSIFIED LANE AND GUEDEL DRIVE - KNOWN AS TRAVERSE STA #107. FOR LOCATION SEE SHEET TWO (2).



**VICINITY MAP**  
SCALE: 1"=1200'



*Charles J. Crovo Sr.* 4/16/92  
DATE

**MARY OAKS**  
LOTS 1-14  
TAX MAP #17 PARCELS 31  
2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**DIVERSIFIED LANE**

PLAN AND PROFILES | STORMDRAIN PROFILES

OWNER AND DEVELOPER  
**GODFREY GARVEY**  
2918 CENTER DRIVE  
ELICOTT CITY MD 21042

SCALE AS SHOWN | DATE: SEPT. 27, 1991 | DWG. NO. 1 OF 3  
DES: M. TAYLOR | DRN: M. YOUNG | CHK: C. CROVO

**FISHER, COLLINS AND CARTER, INC.**  
7171 BALTIMORE NATIONAL PIKE, SUITE 100  
ELICOTT CITY, MARYLAND 21042  
TELEPHONE (301) 461-2877

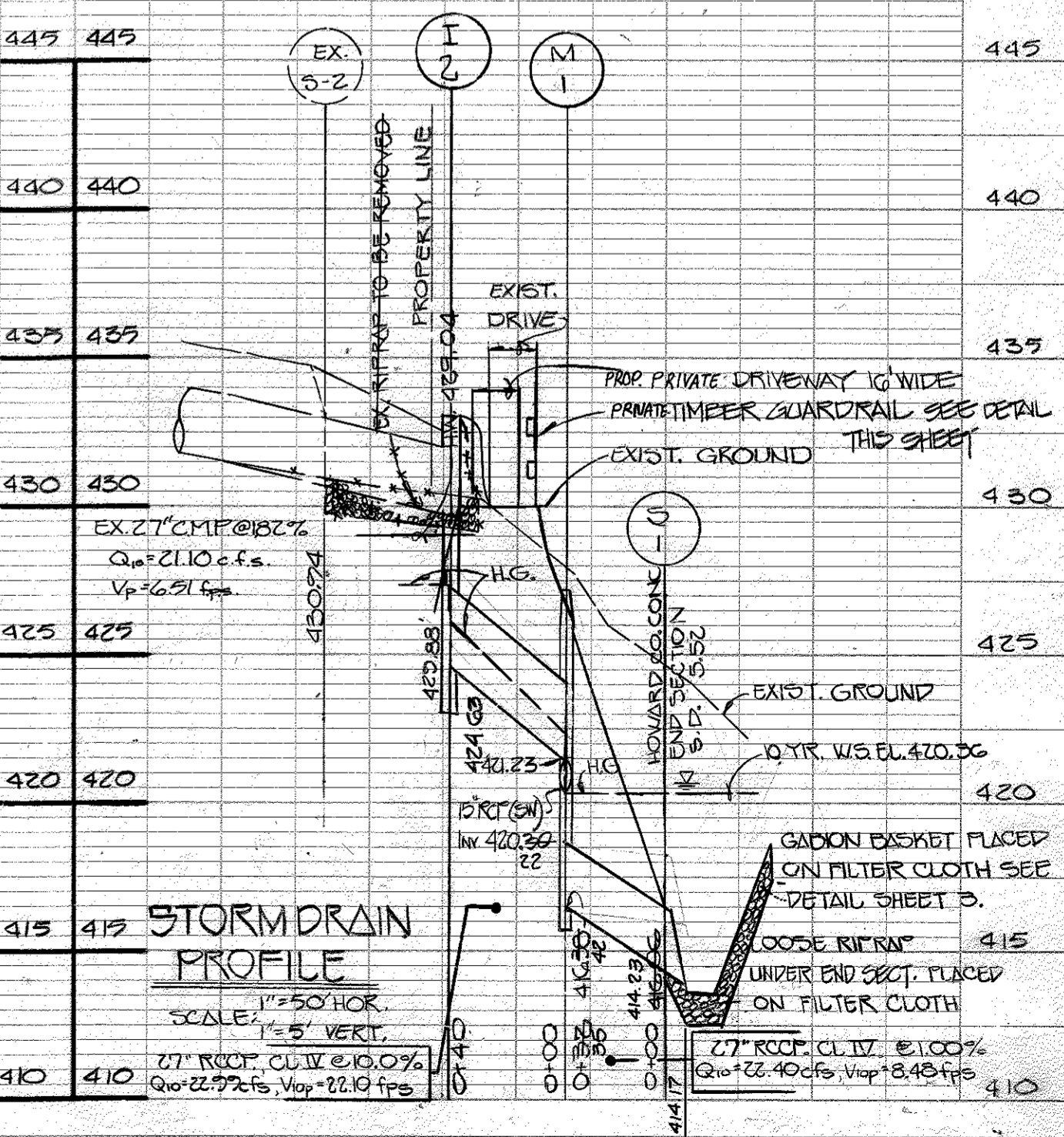
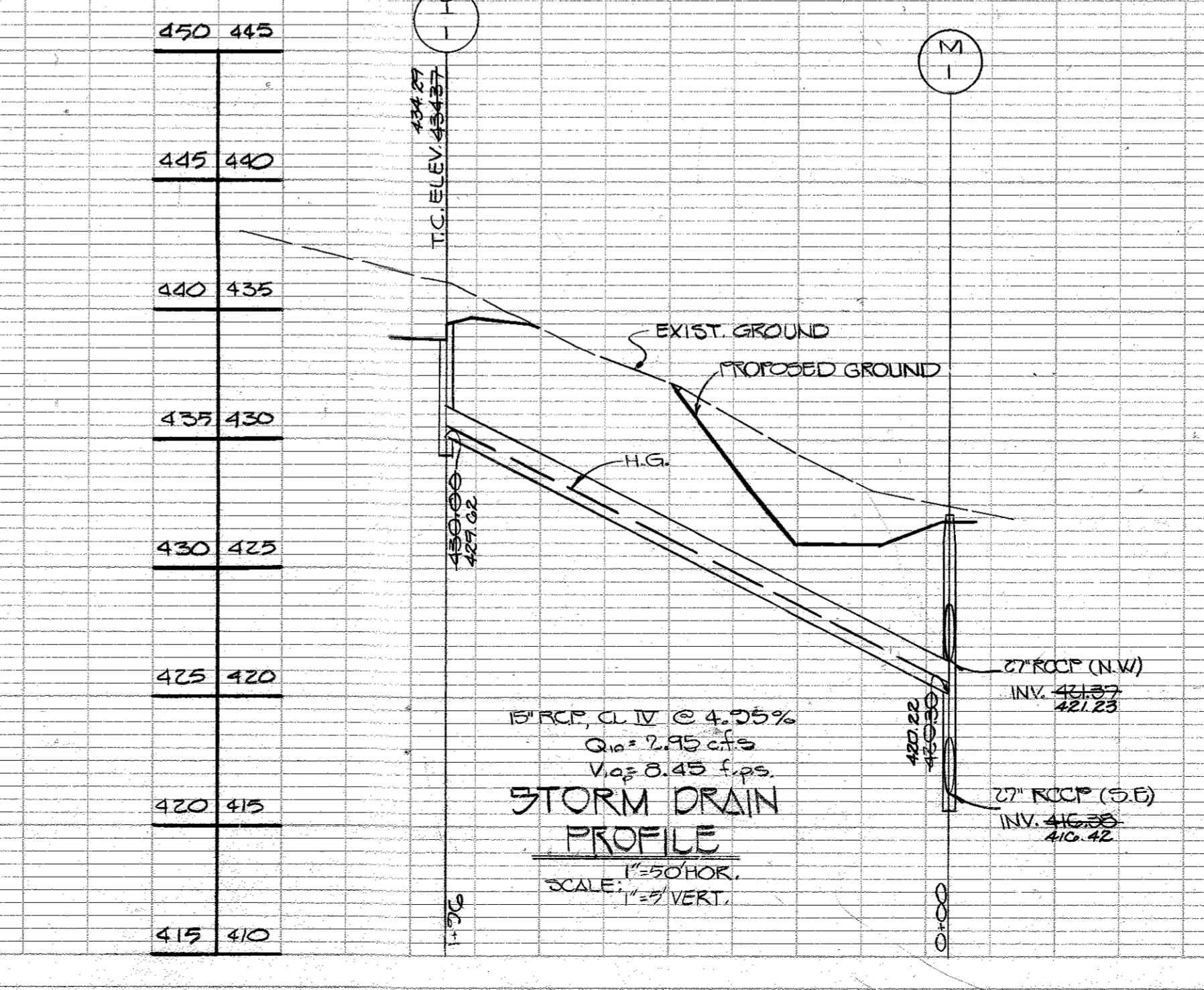
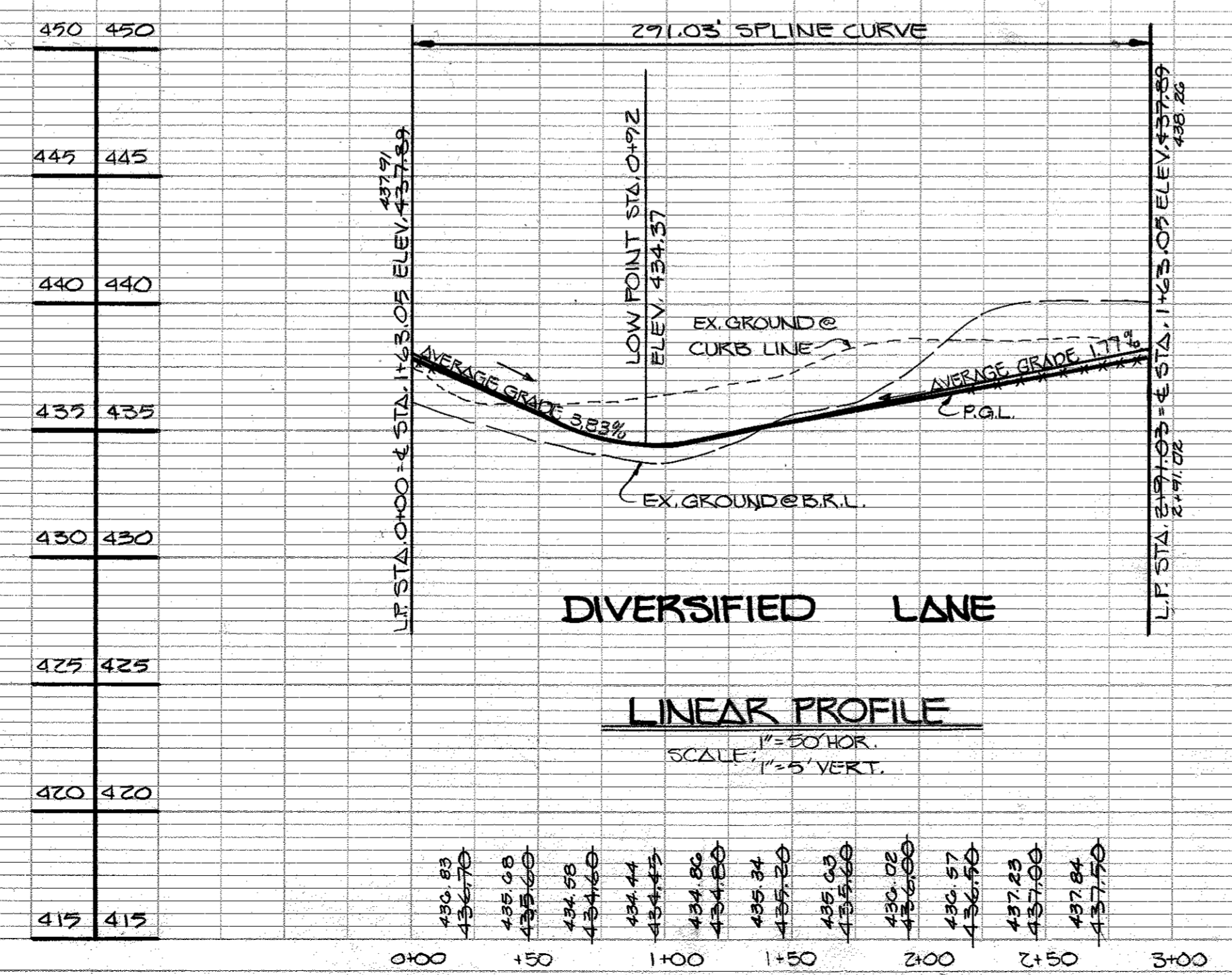
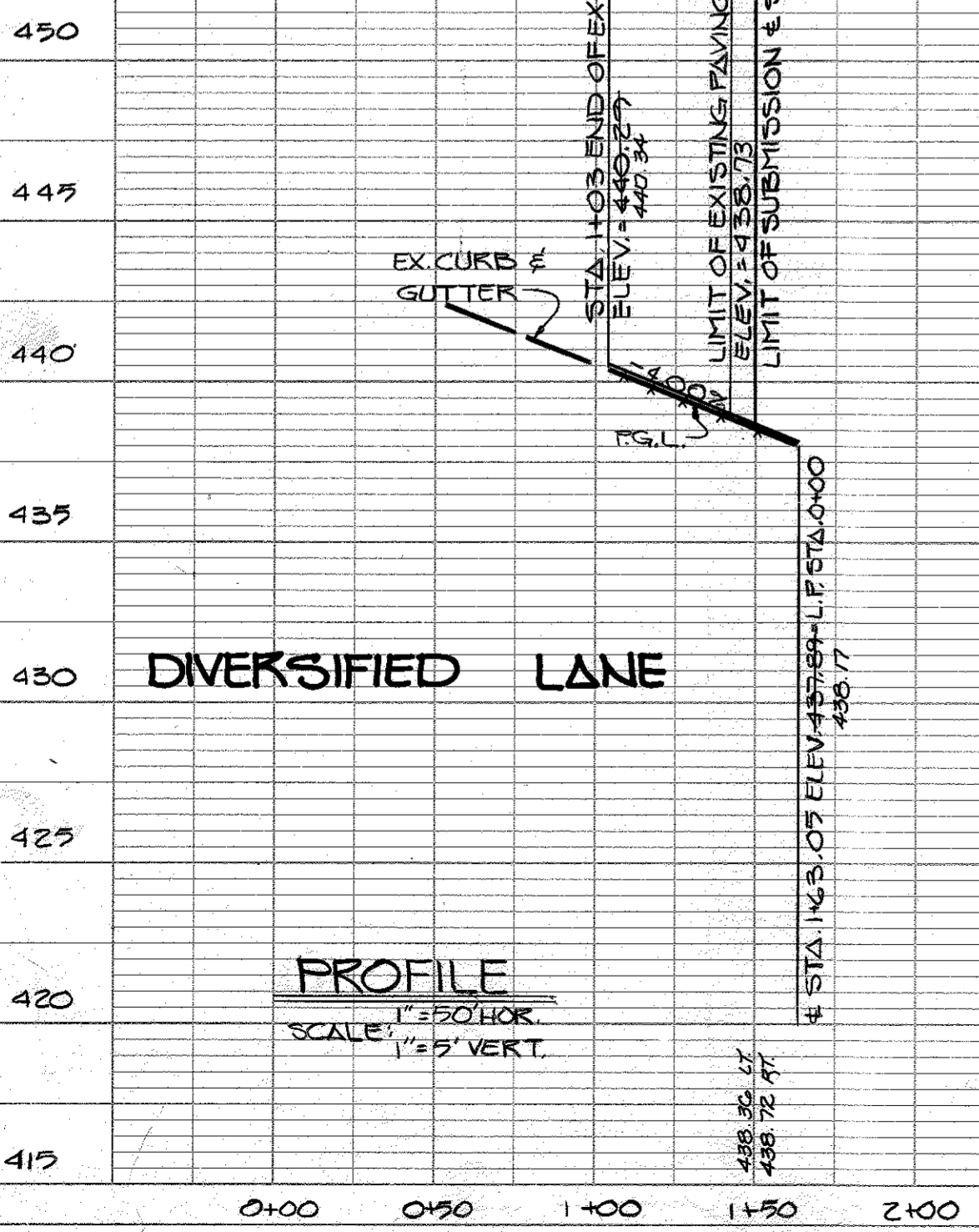
STRUCTURE			SCHEDULE			
STRUCTURE	TYPE	INVERT IN	INVERT OUT	TOP ELEVATION	ROAD STATIONS	REMARKS
I-1	A-5	444.88	433.80	434.57-29	LINEAR PROFILE STA 0+72	S.D. 4.01
S-1	CONC. END SECT.	416.86	416.86	418.81-418.81	SEE PLAN	S.D. 5.52
S-2	CONC. END SECT.	428.98	428.97	429.06	SEE PLAN	S.D. 5.52
M-1		416.86	416.86	427.30-41	SEE PLAN	G. 3.13
I-2	D-INLET	420.88	424.65	423.08	SEE PLAN	S.D. 4.11

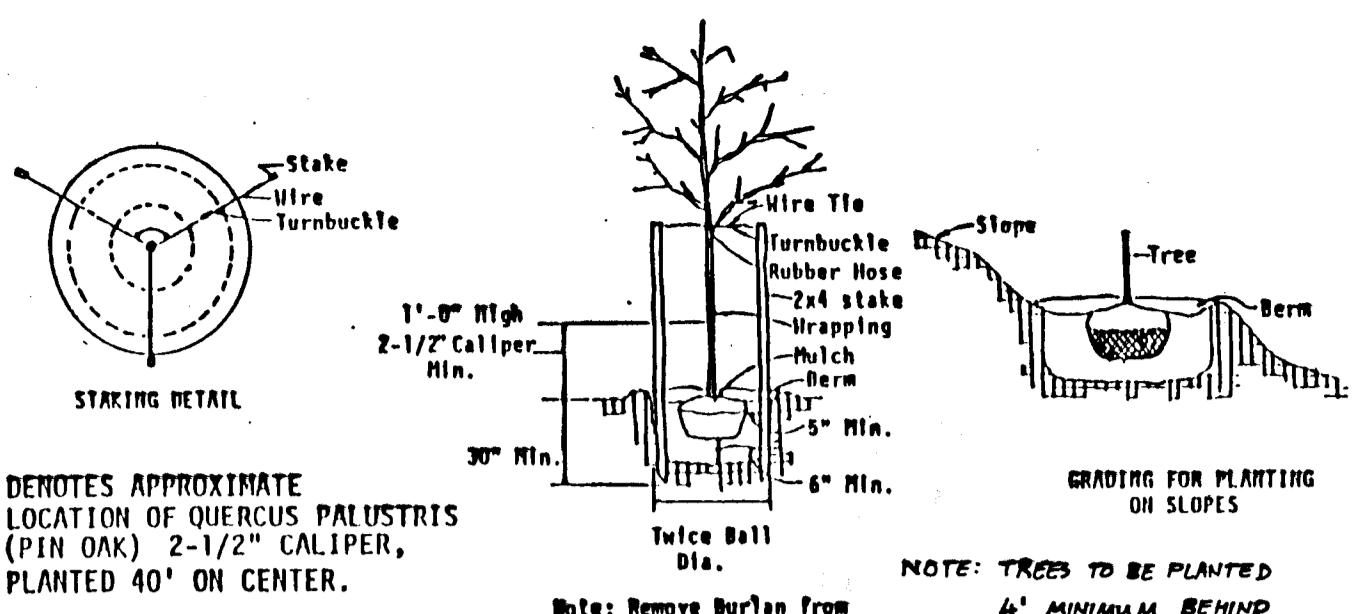
February 29, 2018 Capital Project D-159 Diversified Lane and Principal Spillway Replacement and Channel Stabilization Project. Project Replaces existing 42-inch Bcomp Pipe and 30-inch Spillway Pipe. It includes concrete curb with 9-inch low flow curb, curb works and 24-inch RCP spillway pipe. Pond embankment shifted and raised. Forebay added, yard inlet added and connected to existing 15-inch RCP storm drain. Ponds & Pool and rock cascade-step pool-riffle grade control structure added at Pond outfall.

THE COORDINATES SHOWN HEREON ARE BASED ON NAD 83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STA. 3440002 AND STA. 3441004-R  
3440002 N 533973.800 3441004-R N 532698.086  
E 837983.249 E 840720.726

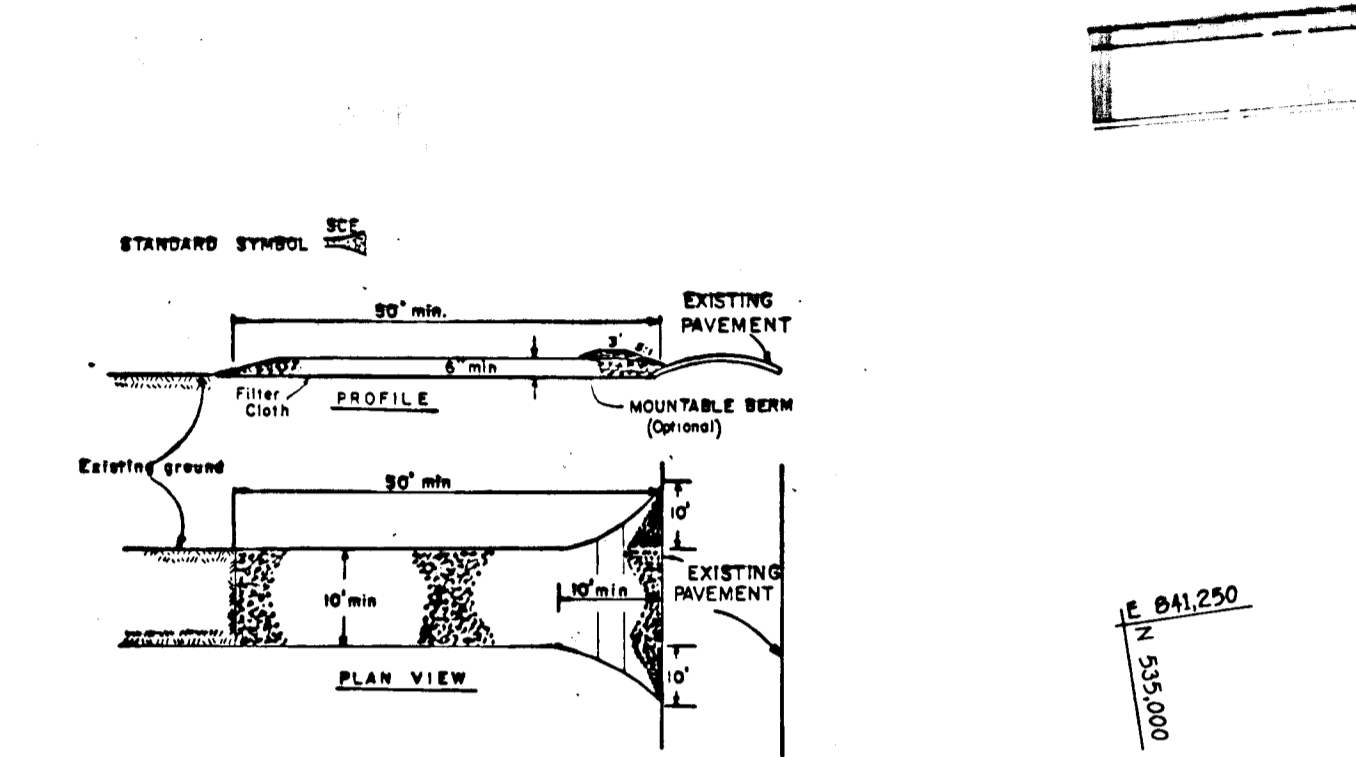
DATE  
BY  
SURVEYED  
GRADES CHECKED  
NOTE BOOK NO.  
STRUCTURE NOTATIONS CHECKED

1645

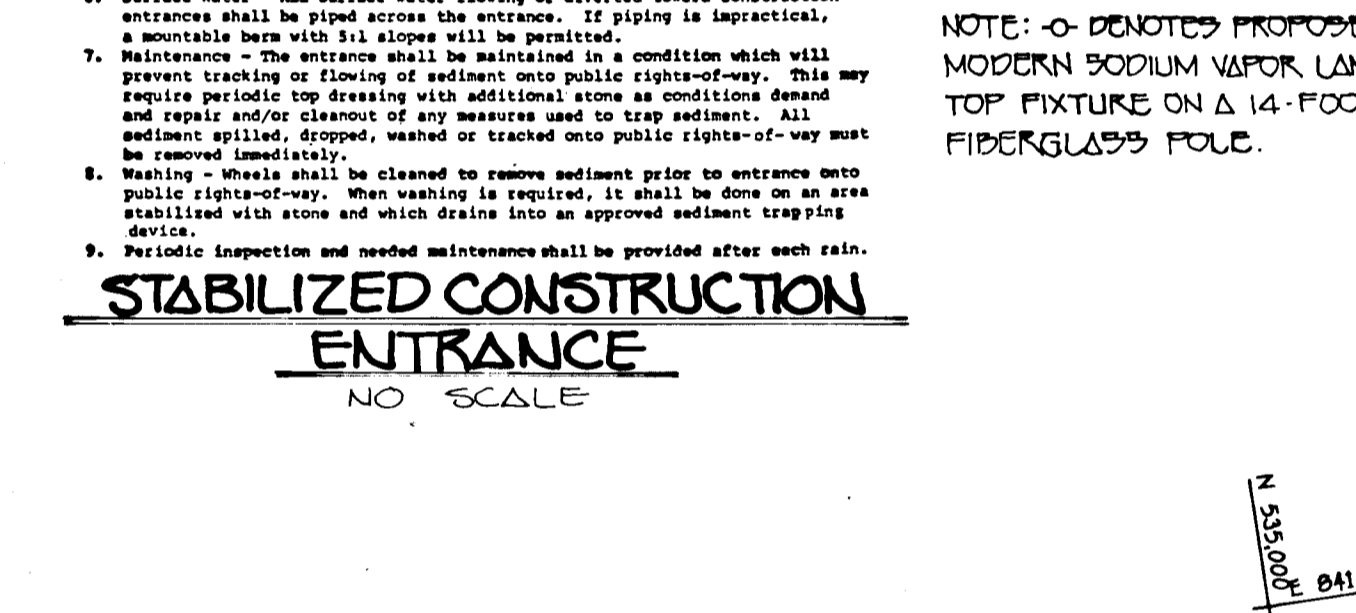




**TREE PLANTING DETAIL**  
NO SCALE

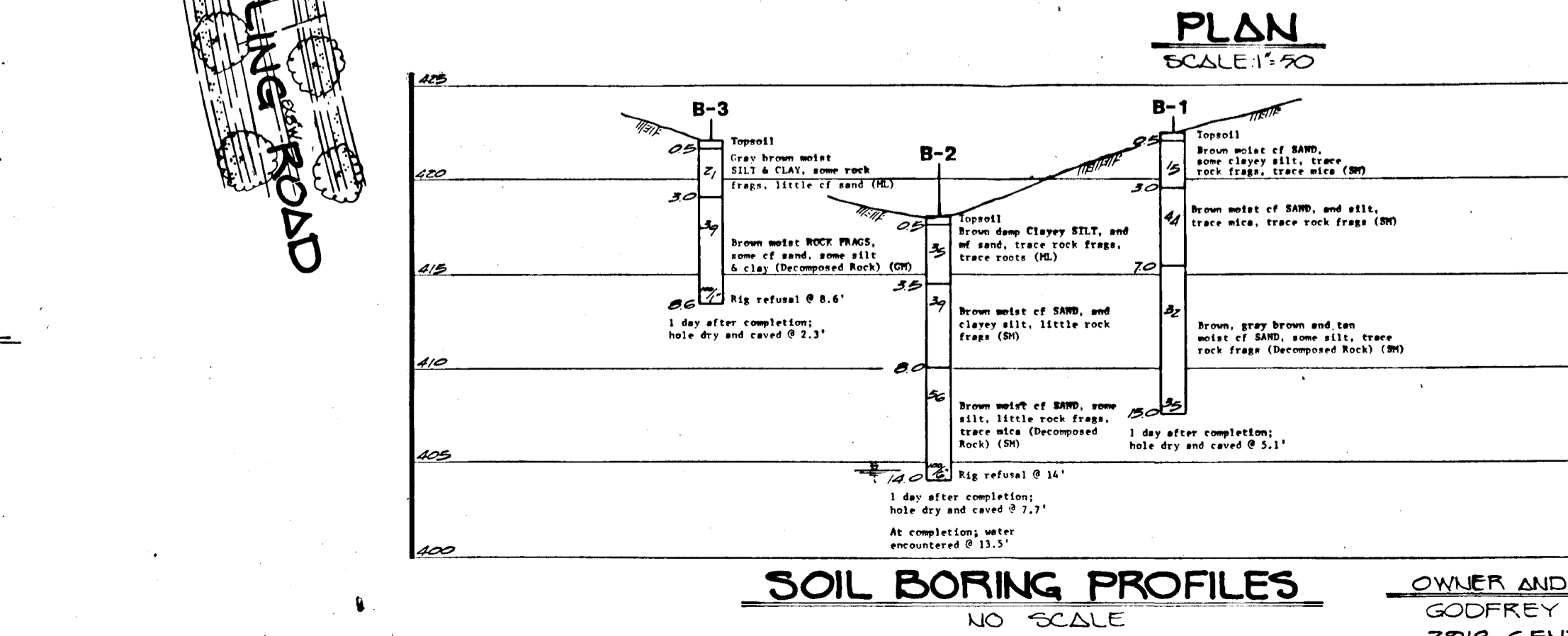
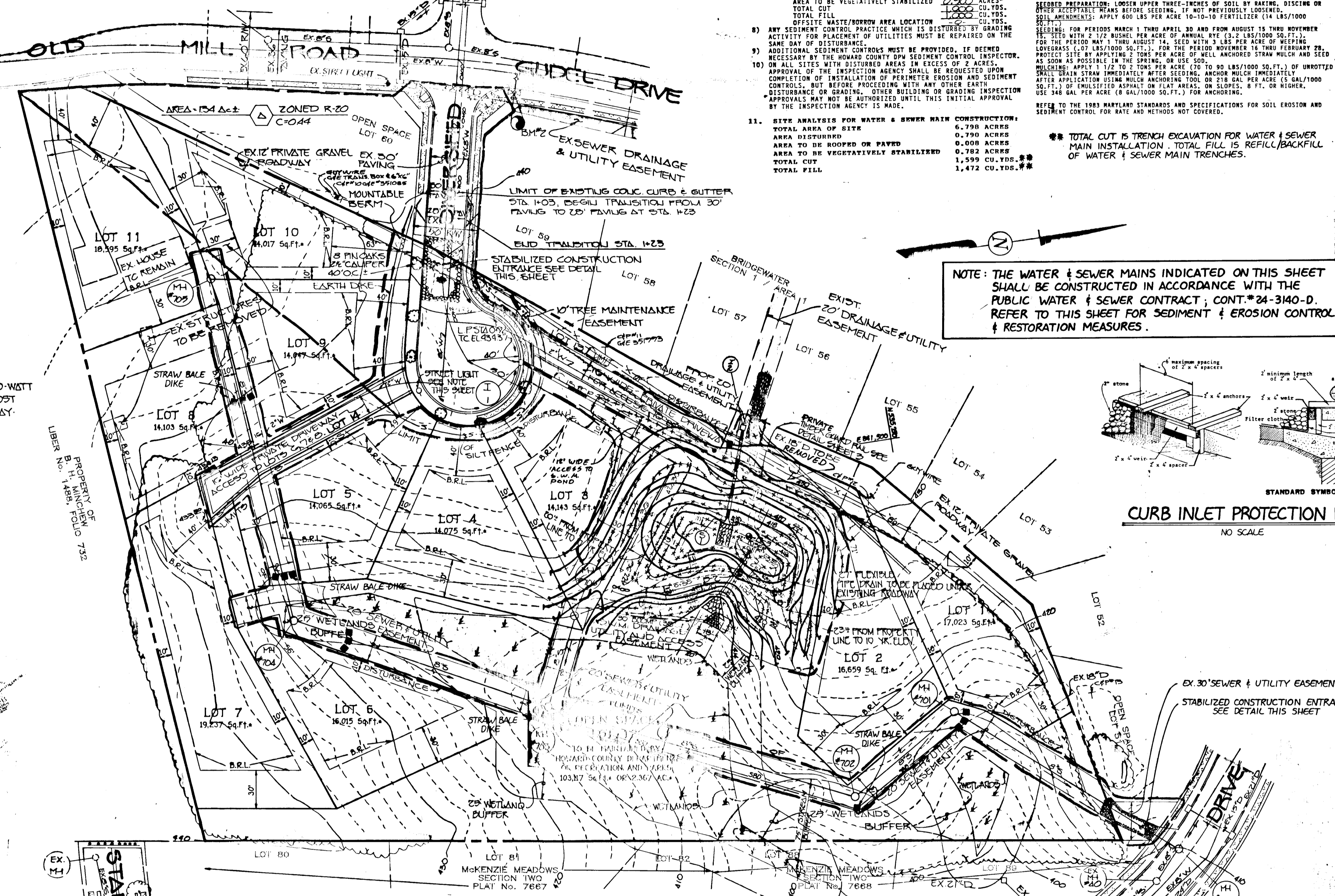


**STABILIZED CONSTRUCTION ENTRANCE**  
NO SCALE



**OFF SITE DRAINAGE AREA MAP (FOR SWM POND)**  
SCALE: 1"=200'

- \* CONSTRUCTION SEQUENCE**
1. OBTAIN GRADING PERMIT.
  2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, EARTH DIKES AND STORMWATER MANAGEMENT FACILITY.
  3. CLEAR AND GRUB SITE TO LIMITS OF DISTURBANCE.
  4. GRADE ROADS TO SUBGRADE.
  5. CONSTRUCT STORM DRAINS.
  6. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE OF THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS.
  7. REMOVE SEDIMENT FROM EX-ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
  8. CONSTRUCT CURB AND GUTTER AND SUB-BASE ON ROADS.
  9. REMOVE STONE CONSTRUCTION ENTRANCE. CLEAN BASE COURSE.
  10. APPLY TRACK COAT AND LAY SURFACE COURSE.
  11. ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.
  12. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A 7 CALENDAR DAYS FOR PERIMETER SEDIMENT CONTROL STRUCTURES, SLOPES GREATER THAN 3:1. b) 14 DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS OF THE PROJECT SITE.
  13. COMPLETE STABILIZATION OF ALL DISTURBED AREAS SHALL BE DONE PRIOR TO REMOVAL OF ALL SEDIMENT CONTROLS.
  14. NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS FOR FINAL INSPECTION AT DURATION OF PROJECT (301) 792-7272.



**SOIL BORING PROFILES**  
NO SCALE

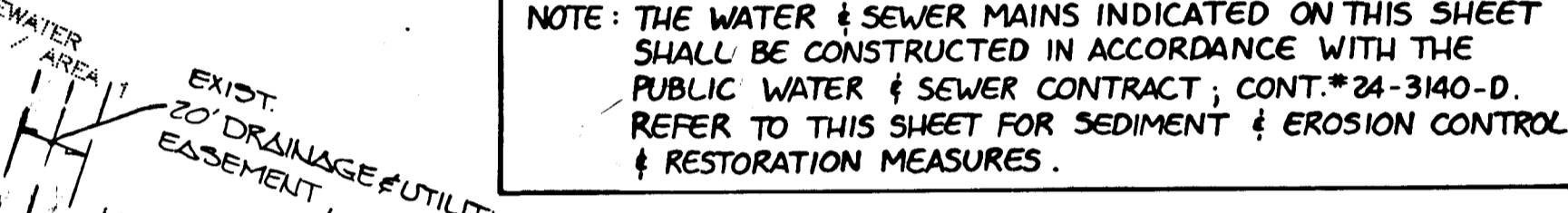
- SEEDING NOTES**
1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2371).
  2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
  3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A 7 CALENDAR DAYS FOR PERIMETER SEDIMENT CONTROL STRUCTURES, SLOPES GREATER THAN 3:1. b) 14 DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS OF THE PROJECT SITE.
  4. ALL SEDIMENT TRAPS/BOURNS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL. STORM DRAINAGE: ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) AND (SEC. 54). TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
  5. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  6. SITE ANALYSIS:
    - TOTAL AREA OF SITE: 6.790 ACRES
    - AREA TO BE ROOFED OR PAVED: 1.732 ACRES
    - AREA TO BE VEGETATIVELY STABILIZED: 5.058 ACRES
    - TOTAL CUT: 1,000 CU.YDS.
    - TOTAL FILL: 1,599 CU.YDS.
  7. SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED, SOIL MOISTURE: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
    - 1) PREPARED: APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LB/1000 SQ.FT.) BEFORE SEEDING.
    - 2) ACCEPTABLE: APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LB/1000 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (14 LB/1000 SQ.FT.) BEFORE SEEDING. NARROW OR DISC INTO UPPER THREE-INCHES OF SOIL.
  8. SEEDING: FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 80 LBS. PER ACRE (14 LB/1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LB/1000 SQ.FT.) OF KEEPING LOVEGRASS. DURING THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS. PER ACRE OF KEEPING LOVEGRASS (.07 LB/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD MARCH 1 THROUGH APRIL 30, AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD MARCH 1 THROUGH APRIL 30, AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD MARCH 1 THROUGH APRIL 30, AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.).
  9. MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (170 TO 340 LB/1000 SQ.FT.) OF UNROTTED SMALL STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING ANCHORING TOOL OR 210 GALLONS PER ACRE (9 GAL/1000 SQ.FT.) OF PULVERIZED ASPHALT ON FLAT AREAS, ON SLOPES 6 FT. OR HIGHER, USE 340 GALLONS PER ACRE (9 GAL/1000 SQ.FT.) FOR ANCHORING. MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS. REPLACEMENTS ARE RESEEDINGS.
  10. APPLY TO GRADED OR CLEARED AREAS LIEK TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
  11. SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED, SOIL MOISTURE: APPLY 1000 LBS. PER ACRE 10-10-10 FERTILIZER (14 LB/1000 SQ.FT.) BEFORE SEEDING. FOR PERIODS MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS. PER ACRE OF KEEPING LOVEGRASS (.07 LB/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD MARCH 1 THROUGH APRIL 30, AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD MARCH 1 THROUGH APRIL 30, AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.).

**SEEDING NOTES**

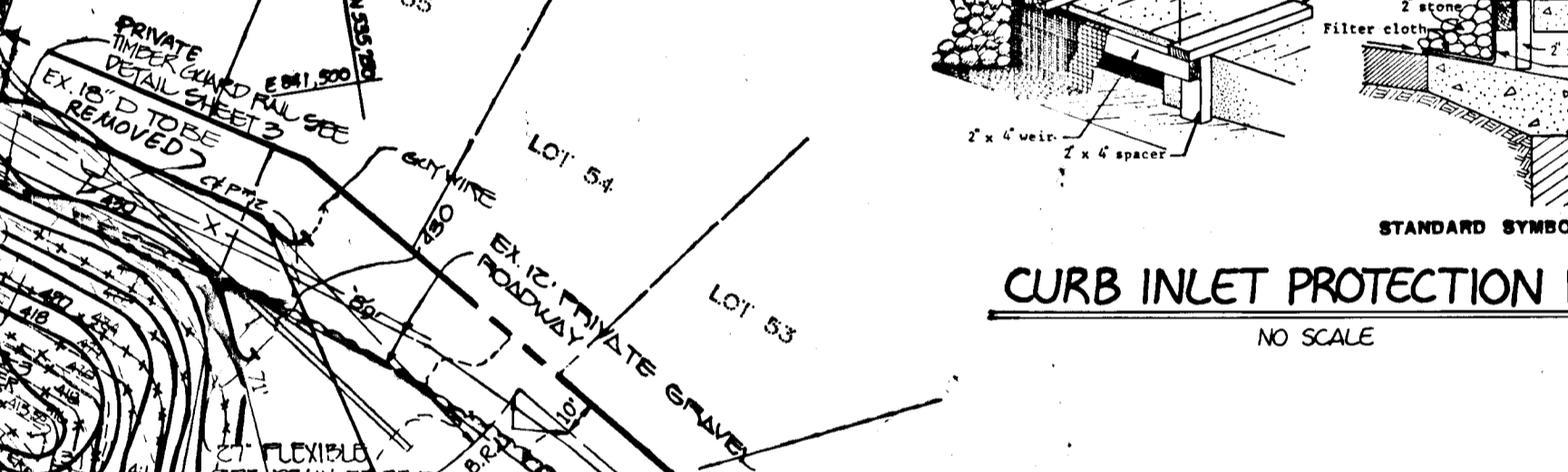
APPLY TO GRADED OR CLEARED AREAS LIEK TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED, SOIL MOISTURE: APPLY 1000 LBS. PER ACRE 10-10-10 FERTILIZER (14 LB/1000 SQ.FT.) BEFORE SEEDING. FOR PERIODS MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS. PER ACRE OF KEEPING LOVEGRASS (.07 LB/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD MARCH 1 THROUGH APRIL 30, AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (.32 LB/1000 SQ.FT.).

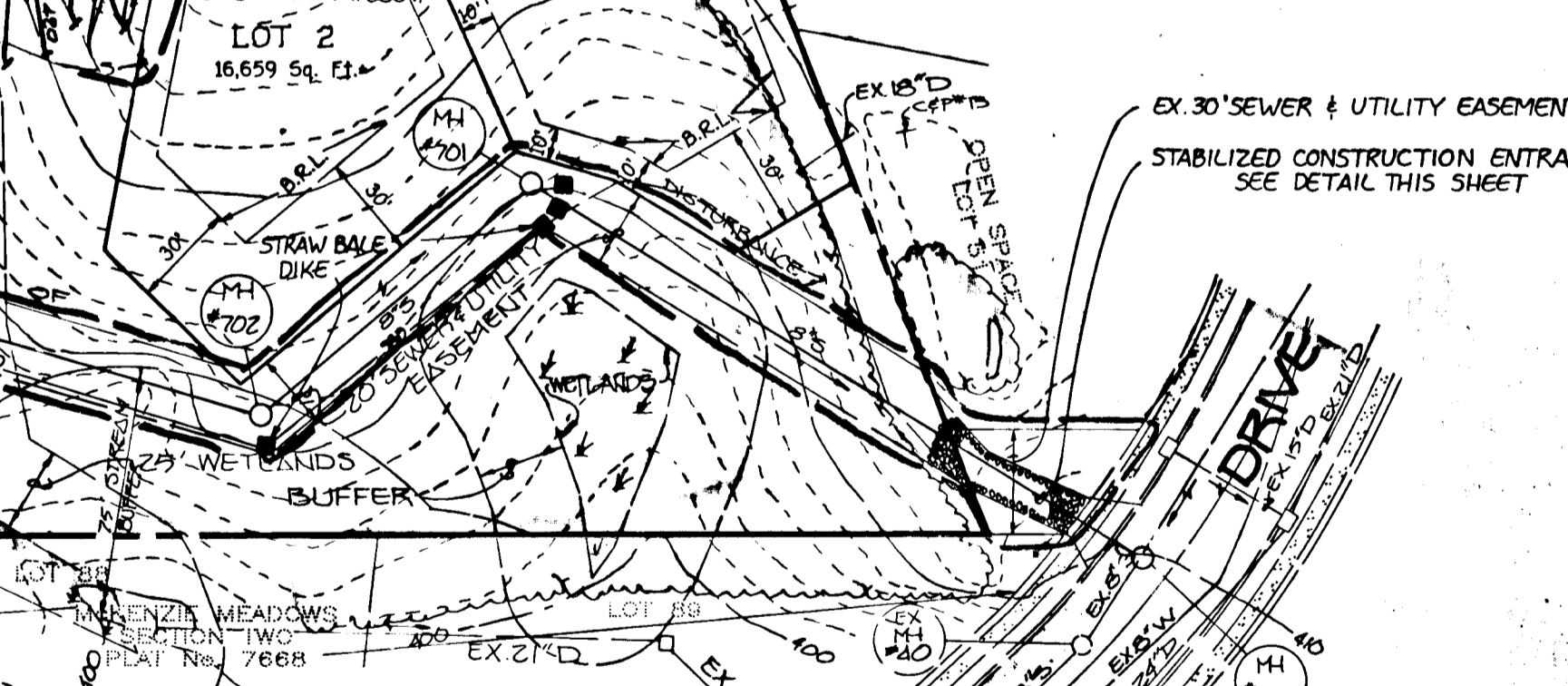
**NOTE: THE WATER & SEWER MAINS INDICATED ON THIS SHEET SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PUBLIC WATER & SEWER CONTRACT, CONT. #24-3140-D. REFER TO THIS SHEET FOR SEDIMENT & EROSION CONTROL & RESTORATION MEASURES.**



**CURB INLET PROTECTION DETAIL**  
NO SCALE



**SILT FENCE**  
NO SCALE



**EARTH DIKE**  
NO SCALE

**STORM WATER MANAGEMENT POND CERTIFICATION AND APPROVAL**

**DEVELOPER'S CERTIFICATE**

"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS WITH A TRUE COPY OF THIS CERTIFICATE."

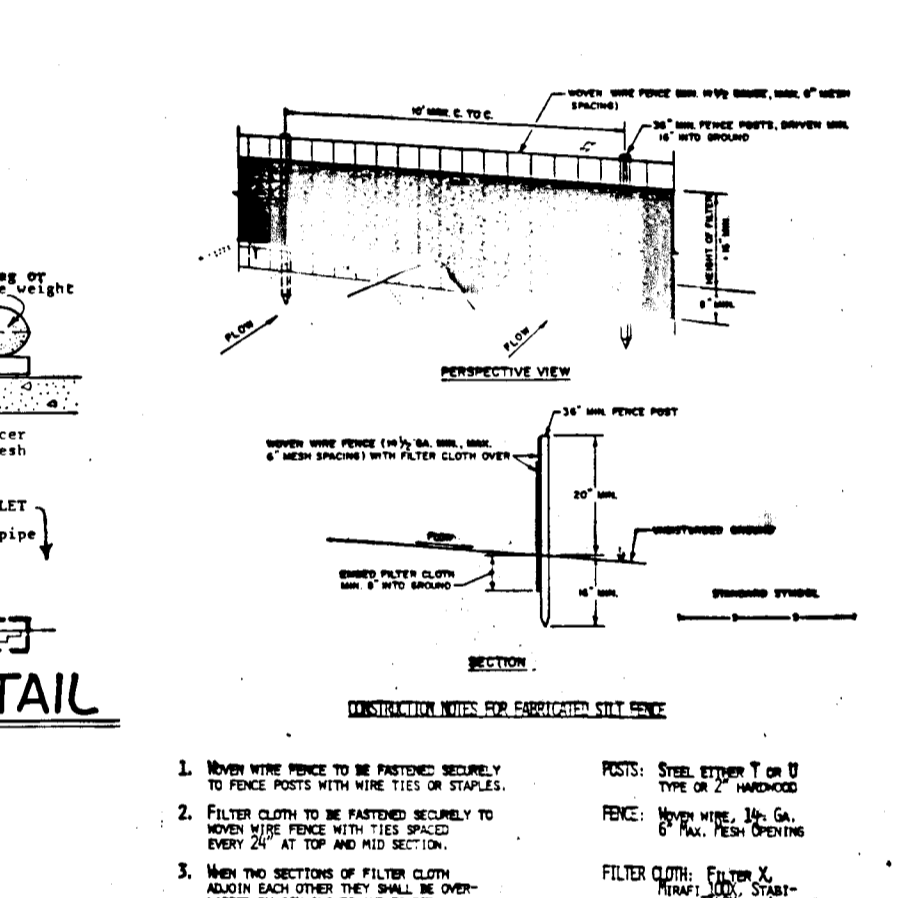
DATE: 5/1/92  
SIGNATURE OF DEVELOPER: [Signature]

**ENGINEER'S CERTIFICATE**

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY DEPARTMENT OF NATURAL RESOURCES. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD COUNTY DEPARTMENT OF NATURAL RESOURCES WITH A TRUE COPY OF THIS PLAN WITHIN 30 DAYS OF COMPLETION."

DATE: 5/1/92  
SIGNATURE OF ENGINEER: [Signature]

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
DATE: 5/1/92  
APPROVED: DEPARTMENT OF PUBLIC WORKS  
DATE: 5/1/92  
APPROVED: DEPARTMENT OF PUBLIC WORKS  
DATE: 5/1/92  
APPROVED: DEPARTMENT OF PUBLIC WORKS  
DATE: 5/1/92



**STREET TREE GRADING & SEDIMENT CONTROL PLAN & DETAILS**

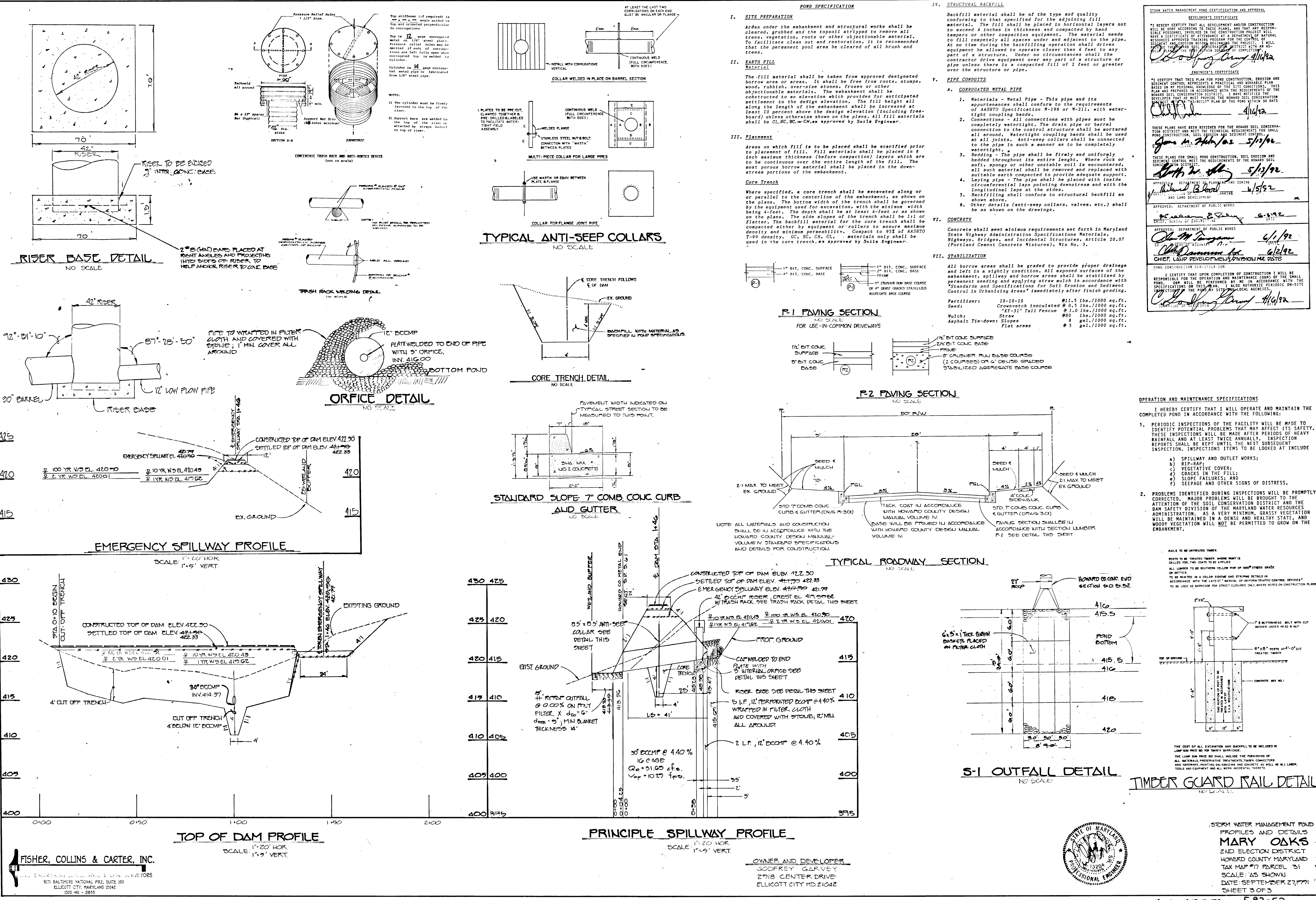
**MARY OAKS**  
2ND ELECTION DISTRICT  
HOWARD COUNTY MARYLAND  
TAX MAP #17 PARCEL 31  
SCALE: AS SHOWN  
DATE: SEPTEMBER 27, 1991  
SHEET 2 OF 3

**OWNER AND DEVELOPER**  
GODFREY GARVEY  
2718 CENTER DRIVE  
ELKOT CITY MD 21042

**PROFESSIONAL ENGINEER**

1645

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
971 BALTIMORE NATIONAL PIKE, SUITE 100  
ELKOT CITY, MARYLAND 21042  
(301) 461-2955



**STORM WATER MANAGEMENT POND CERTIFICATION AND APPROVAL**

**DEVELOPER'S CERTIFICATE**  
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE SEPARATE TRAINING PROGRAM APPROVED TRAINING PROGRAM FOR THE CONTROL OF MATERIAL EROSION AND SEDIMENTATION. I HAVE IDENTIFIED THE DEVELOPER AS THE MAJOR SOIL CONSERVATION DISTRICT WITH AN ASSIGNED SOIL CONSERVATION DISTRICT OFFICE AND CONSTRUCTION EQUIPMENT BE ALLOWED TO OPERATE CLOSER THAN 4 FEET TO ANY PART OF A STRUCTURE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE EQUIPMENT OR ANY PART OF A STRUCTURE OR PIPE UNLESS THERE IS A COMPACTED FILL OF 2 FEET OR GREATER OVER THE STRUCTURE OR PIPE.

**ENGINEER'S CERTIFICATE**  
 I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. I HAVE IDENTIFIED THE DEVELOPER AS THE MAJOR SOIL CONSERVATION DISTRICT WITH AN ASSIGNED SOIL CONSERVATION DISTRICT OFFICE AND CONSTRUCTION EQUIPMENT BE ALLOWED TO OPERATE CLOSER THAN 4 FEET TO ANY PART OF A STRUCTURE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE EQUIPMENT OR ANY PART OF A STRUCTURE OR PIPE UNLESS THERE IS A COMPACTED FILL OF 2 FEET OR GREATER OVER THE STRUCTURE OR PIPE.

APPROVED: *[Signatures]* 4/16/92

**POND CONSTRUCTION CERTIFICATION**

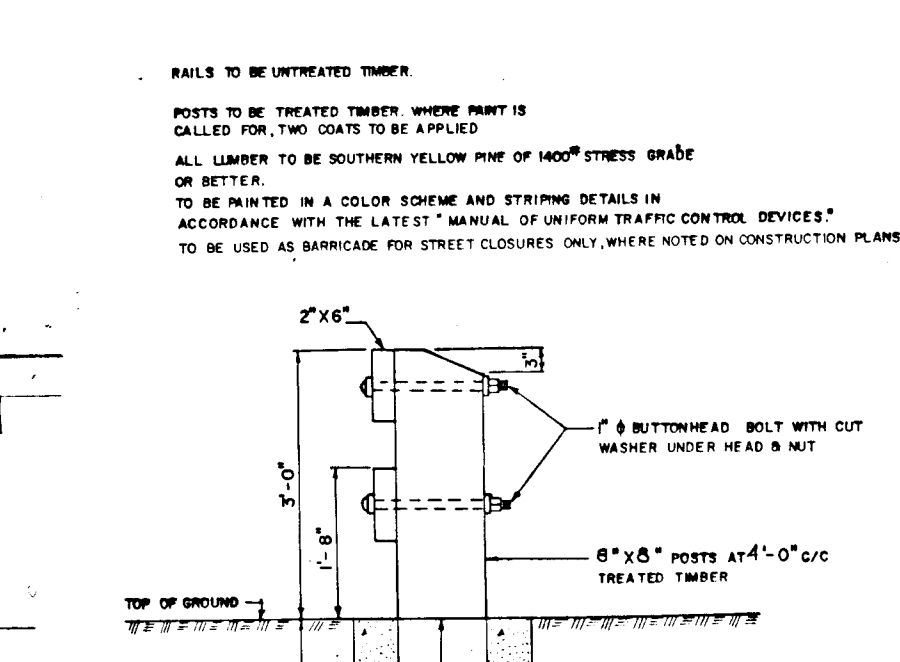
I HEREBY CERTIFY THAT UPON COMPLETION OF CONSTRUCTION I WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE (O&M) OF THE SMALL POND. O&M WILL BE PERFORMED BY ME IN ACCORDANCE WITH THE SPECIFICATIONS AND REQUIREMENTS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION, LATEST EDITIONS OF THE LOCAL AGENCIES.

*[Signature]* 4/16/92  
 CHIEF, LAND DEVELOPMENT/DESIGN/PERMITS

**OPERATION AND MAINTENANCE SPECIFICATIONS**

I HEREBY CERTIFY THAT I WILL OPERATE AND MAINTAIN THE COMPLETED POND IN ACCORDANCE WITH THE FOLLOWING:

- PERIODIC INSPECTIONS OF THE FACILITY WILL BE MADE TO IDENTIFY POTENTIAL PROBLEMS THAT MAY AFFECT ITS SAFETY. THESE INSPECTIONS WILL BE MADE AFTER PERIODS OF HEAVY RAINFALL AND AT LEAST TWICE ANNUALLY. INSPECTION REPORTS SHALL BE KEPT UNTIL THE NEXT SUBSEQUENT INSPECTION. INSPECTION ITEMS TO BE LOOKED AT INCLUDE:
  - a) SPILLWAY AND OUTLET WORKS:
  - b) RIP-RAP:
  - c) VEGETATIVE COVER:
  - d) CRACKS IN THE FILL:
  - e) SLOPE FAILURES AND
  - f) SEEPAGE AND OTHER SIGNS OF DISTRESS.
- PROBLEMS IDENTIFIED DURING INSPECTIONS WILL BE PROMPTLY CORRECTED. MAJOR PROBLEMS WILL BE BROUGHT TO THE ATTENTION OF THE SOIL CONSERVATION DISTRICT AND THE DAM SAFETY DIVISION OF THE MARYLAND WATER RESOURCES ADMINISTRATION, AS A VERY MINIMUM, GRASSY VEGETATION WILL BE MAINTAINED IN A DENSE AND HEALTHY STATE, AND WOODY VEGETATION WILL NOT BE PERMITTED TO GROW ON THE EMBANKMENT.



THE COST OF ALL EXCAVATION AND BACKFILL TO BE INCLUDED IN LUMP SUM PRICE FOR THIS MAIN LANE.

THE LUMP SUM PRICE SHOULD INCLUDE THE PURCHASING OF ALL MATERIALS, PREPARATIVE TREATMENTS, TRENCH CONNECTIONS AND MATERIALS, PAINTING, SEALING AND COATING, AS WELL AS ALL LABOR, TOOLS AND EQUIPMENT AND ALL WORK INCIDENTAL THERE TO.

OWNER AND DEVELOPER  
 GODFREY GARVEY  
 2918 CENTER DRIVE  
 ELLICOTT CITY MD 21042

**TOP OF DAM PROFILE**  
 SCALE: 1"=20' HOR.  
 1"=5' VERT.

FISHER, COLLINS & CARTER, INC.  
 9171 BALTIMORE NATIONAL PIKE, SUITE 100  
 ELLICOTT CITY, MARYLAND 21042  
 (301) 481-2855

**PRINCIPLE SPILLWAY PROFILE**  
 SCALE: 1"=20' HOR.  
 1"=5' VERT.

OWNER AND DEVELOPER  
 GODFREY GARVEY  
 2918 CENTER DRIVE  
 ELLICOTT CITY MD 21042

1645