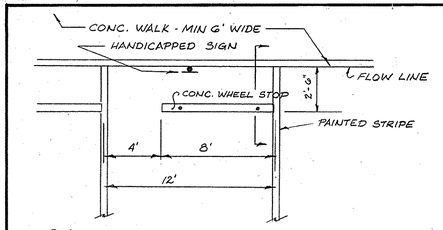
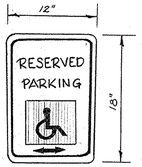


H.C. PARKING SPACE DETAIL

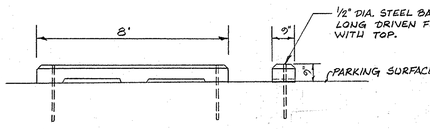
NO SCALE



NOTES:
1. SIGN SHALL BE MOUNTED ON POSTS 8' ABOVE GRADE AT EACH PARKING SPACE RESERVED FOR HANDICAPPED.
2. SIGN SHALL MEET M.D.O.T. STD. R-7.8

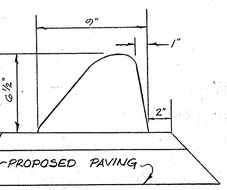
HANDICAPPED SIGN DETAIL

NO SCALE



PRE-CAST CONCRETE WHEELSTOP DETAIL

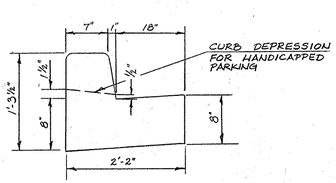
NO SCALE



NOTE: FOR COMPLETE DIMENSIONS SEE DRWG. # R 3.03

BITUMINOUS CURB DETAIL

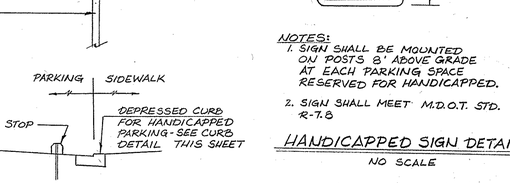
NO SCALE



NOTE: FOR COMPLETE DIMENSIONS SEE DRWG # R 3.01

CONCRETE CURB AND GUTTER DETAIL

NO SCALE



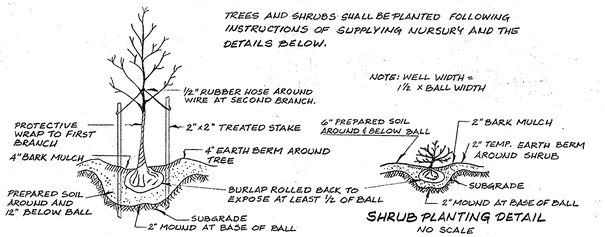
NOTE: THIS SECTION OR THE GRANULAR BASE ALTERNATE FOR SECTION "P.2" SHALL BE USED FOR ON-SITE PAVING - SEE DRWG. R-2.01

TYPICAL SECTION

SITE PAVING

NO SCALE

Symbol	Quant.	Botanical Name	Common Name	Size	Spacing	Remarks
⊕	5	ACER RUBRUM	RED MAPLE	2½" CAL.	30' %	B&B
⊙	3	PRUNUS NEWPORT	NEWPORT PLUM	6'-8'	As Shown	B&B
⊛	66	AZALEA	HINO CRIMSON AZALEA	15"-18"	3'-4'	Cont.
*	63	JUNIPERUS HORIZONTALIS	CREEPING JUNIPER	18"-24"	3'-4'	Cont.
▭	200±	VINCA MINOR	PERRIWINKLE	—	12"-18"	—

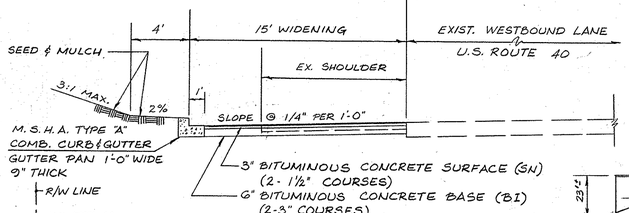


TREE PLANTING DETAIL

NO SCALE

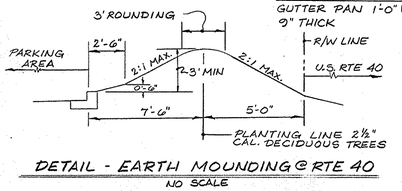
SHRUB PLANTING DETAIL

NO SCALE



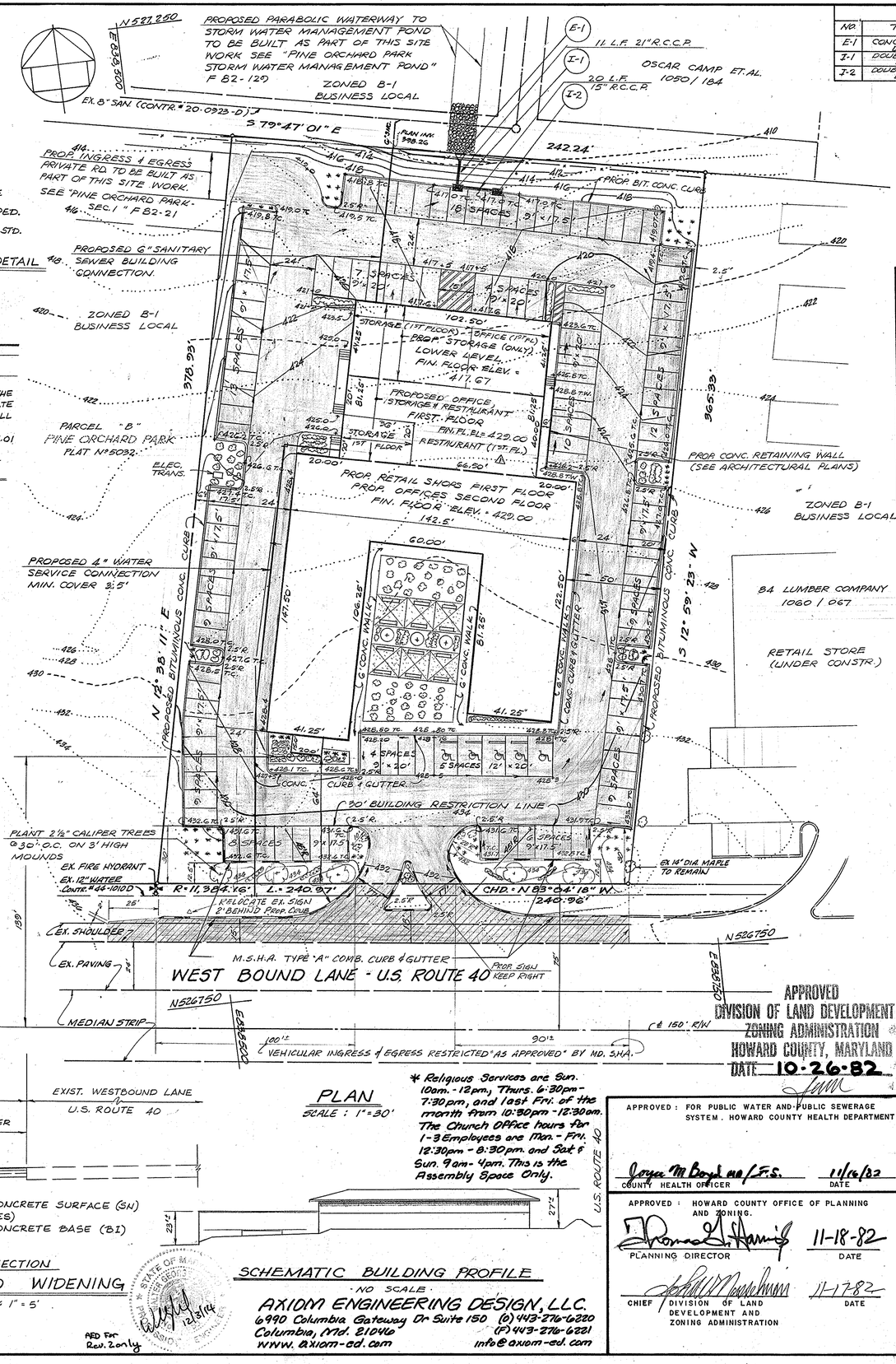
TYPICAL SECTION U.S. ROUTE 40 WIDENING

SCALE: 1" = 5'



DETAIL - EARTH MOUNDING @ RTE 40

NO SCALE



PLAN

SCALE: 1" = 30'

* Religious Services are Sun. 10am.-12pm., Thurs. 6:30pm-7:30pm, and last Fri. of the month from 10:30pm-12:30am. The Church Office hours for 1-3 Employees are Mon.-Fri. 12:30pm-8:30pm. and Sat & Sun. 9am-4pm. This is the Assembly Space Only.

SCHEMATIC BUILDING PROFILE

NO SCALE

AXIOM ENGINEERING DESIGN, LLC.
6990 Columbia Gateway Dr Suite 150 (O) 443-276-6220
Columbia, Md. 21046 (F) 443-276-6221
www.axiom-ed.com info@axiom-ed.com

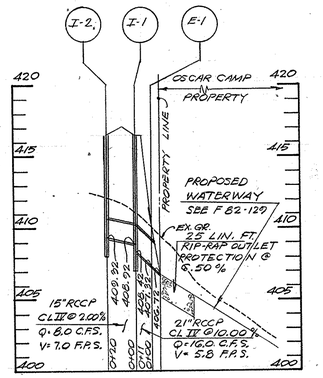
AED For Rev. 2 only 12/5/14

APPROVED
DIVISION OF LAND DEVELOPMENT
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 10-26-82

STRUCTURE SCHEDULE

NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.
E-1	CONC. END SECTION DRWG. SD 4.22a	407.32	406.72	-
I-1	DOUBLE "S" COMB. DRWG. SD 4.34	408.92	408.42	416.50
I-2	DOUBLE "S" COMB. DRWG. SD 4.34	-	409.32	416.50

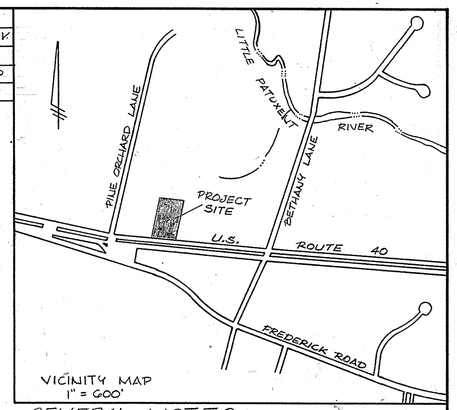
NOTE: THE STORM WATER MANAGEMENT FACILITY F 82-129 WILL BE CONSTRUCTED PRIOR TO OR CONCURRENTLY WITH THIS DEVELOPMENT.



STORM DRAIN PROFILE

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

NOTE: SEE SN 2 OF 2 FOR RIP-RAP OUTLET PROTECTION DETAIL



VICINITY MAP
1" = 600'

LEGEND

- 420 ~ EXISTING CONTOURS
- 420 ~ PROPOSED CONTOURS
- 420.0 ~ PROPOSED SPOT ELEV. (TC = TOP CURB)
- ~ PROPOSED BIT. CONC. PAVING
- ~ PROPOSED BIT. CONC. PAVING (M.S.H.A. TYPICAL SECTION)
- ~ PROPOSED BIT. CONC. CURB OR CONC. CURB & GUTTER (AS LABLED)
- ~ PROPOSED M.S.H.A. CONC. CURB & GUTTER TYPE "A"
- ~ PROPOSED UTILITY (WATER, SEWER, OR STORM DRAIN, AS LABLED.
- ~ PROPOSED 2½" MIN. CALIPER DECIDUOUS TREE.
- ~ PROPOSED GROUND COVER PLANTS
- ~ PROPOSED DECIDUOUS SHRUBS.
- ~ PROPOSED EVERGREEN SHRUBS
- ~ BIT. CONC. PAVING STRIPED FOR PEDESTRIAN OR VEHICLE LOADING AREAS
- ~ SIDEWALK AND BENCHES FOR PUBLIC USE OF OPEN SPACE.

GENERAL NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOL. IV "STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION" (EFF. 7-1-81) EXCEPT AS NOTED HEREON.
2. REFERENCE TO "DRWG. NO." ON THESE SHEETS PERTAINS TO "STANDARD DETAILS IN THE DESIGN MANUAL VOL. 4.
3. BEARINGS AND DISTANCES SHOWN HEREON ARE REFERRED TO THE MARYLAND STATE GRID SYSTEM AND HAVE BEEN TAKEN FROM THE REFERENCED SUBDIVISION PLAT.
4. ELEVATIONS SHOWN HEREON ARE BASED ON THE HOWARD COUNTY DATUM.
5. REFER TO ARCHITECTURAL PLANS FOR RETAINING WALL AND CONCRETE STEP DETAILS.
6. ALL TRAFFIC CONTROL SIGNS PROPOSED HEREON SHALL CONFORM TO THE UNIFORM CODE FOR TRAFFIC CONTROL DEVICES AS ADOPTED BY THE MD. D.O.T.
7. SITE LIGHTING SHALL BE DIRECTIONAL IN NATURE AND SHALL NOT SHINE ONTO ADJACENT PROPERTIES OR RIGHTS-OF-WAY.
8. ANY INCREASE IN THE NUMBER OF OFFICE EMPLOYEES OR RETAIL AREAS SHALL REQUIRE APPROVAL OF THE OFFICE OF PLANNING AND ZONING.

SITE ANALYSIS

1. PROPOSED USE ---- RETAIL SHOPS, BUSINESS OFFICES & RESTAURANT
2. ZONE ---- B-1
3. TOTAL AREA OF SITE ---- 2.04 Ac.±
4. TOTAL AREA OF PARKING LOT ---- 42654 S.F.
   LANDSCAPED ISLANDS REQ. (.05 x 45654) = 2282 S.F.
   LANDSCAPED ISLANDS PROVIDED ---- 29117 S.F.
5. TOTAL OPEN SPACE REQ. (20% OF 2.04 Ac.) ---- 17965 S.F.
   TOTAL OPEN SPACE PROVIDED (0.41 AC.) ---- 17965 S.F.
6. STRUCTURAL LOT COVERAGE ---- 25%
7. TOTAL IMPERVIOUS AREA ---- 1.64 Ac.
8. TOTAL REVEGITATED AREA ---- 0.42 AC.

⚠ PARKING & FLOOR RATIO ANALYSIS:

Retail: 1091 SF @ 5/1000 = 5 5 spaces, Medical: 4660 SF @ 5/1000 = 23 Spaces
Office: 11486 SF @ 3.3/1000 = 38 Spaces, Day Spa: 804 SF @ 5/1000 = 4 Spaces
Personal Service: 4200 SF @ 5/1000 = 21 Spaces
Religious Assembly: 2100 SF @ 10/1000 = 21 Spaces *
Animal Hospital: 3134 SF @ 4/1000 = 13 Spaces
Total Parking Provided: 125 Spaces
Total Parking Required: 125 Spaces * (See Note Below)

DEVELOPER CERTIFICATION

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATUEAL RESOURCES APPROVED TRAINING PROGRAM FOR CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

Angelo Amabile — NOV. 9 82
ANGELO AMABILE - BETHANY-40 LTD. DATE

ENGINEERS CERTIFICATION

I CERTIFY THAT THIS PLAN, AND SOIL EROSION CONTROL REPERSENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Richard J. Truelove — November 1, 1982
RICHARD TRUELOVE Reg. No. 10800 DATE

HOWARD COUNTY SOIL CONSERVATION DISTRICT

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

William T. Rowe — 11-10-82

U.S. SOIL CONSERVATION SERVICE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

James M. Helman — 11/10/82

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM. HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd m/d F.S. — 11/16/82
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Ronald H. Hamm — 11-18-82
PLANNING DIRECTOR DATE

CHIEF / DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — 11-17-82 DATE

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

Hugh F. Nooney — 11-12-82
DIRECTOR DATE

William D. Ray — 11-12-82
CHIEF, BUREAU OF ENGINEERING DATE

SITE PLAN & DETAILS
BETHANY-40 CENTER
PINE ORCHARD PARK - SEC. I : PARCEL "C"
REVISION TO SDP 82-30
PLAT REF. No 5032

2ND ELECTION DISTRICT — HOWARD CO. Md.
SCALE: AS SHOWN — NOVEMBER 1, 1982
TAX MAP 24 PARCEL 11 — DEED REF. 481/189

OWNER / DEVELOPER
BETHANY-40 LTD.
1713 M BELMONT AVE.
BALTIMORE Md. 21207
685-1440

REVISIONS
⚠ 1 4/28/83 - RESTAURANT
⚠ 2 12/3/14 - Parking Notes Added

APR ASSOCIATES INC.
SURVEYORS & ENGINEERS
7427 HARFORD ROAD
BALTIMORE MARYLAND 21234
(301) 444 4312

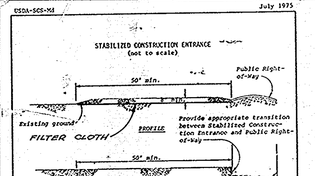
11-8-82

PROJECT NO.:	82.82-4 / 8129
FINAL:	
DESIGNED BY:	R. TRUELOVE
DRAWN BY:	E. THOMPSON
DATE:	
SCALE:	AS SHOWN
SHEET NO.	1 OF 2

SDP-83-35

USDA-SCS-MD July 1975

STABILIZED CONSTRUCTION ENTRANCE
(not to scale)



Construction Specifications

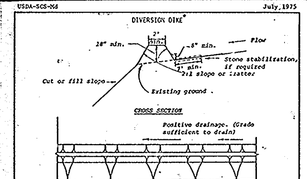
1. Stone size - Use MSHA size No. 2 (2-1/2" to 1") or AASHTO designation #63, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
2. Length - As effective, but not less than 50 feet.
3. Thickness - Not less than eight (8) inches.
4. Width - Not less than full width of all points of ingress or egress.
5. Washing - When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards or other approved methods.
6. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or clean out of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right-of-way must be removed immediately.

Standard Symbol SCE

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	STABILIZED CONSTRUCTION ENTRANCE	Standard Drawing SCE-1

USDA-SCS-MD July 1975

DIVERSION DIKE



Construction Specifications

1. All dikes shall be machine compacted.
2. All diversion dikes shall have positive drainage to an outlet.
3. A. Diverted runoff from a protected or stabilized area shall outlet directly to an undisturbed stabilized area or into a level spreader or grade stabilization structure.
   B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as a sediment trap or a sediment basin or to an area protected by any of these practices.
4. Stabilization, as specified by the plans, shall be: (1) in accordance with Standard and Specifications for Grassed Waterways, and the area to be stabilized shall be the channel (flow area); or (2) the flow area shall be lined with stone that meets MSHA size No. 2 or AASHTO M43 size No. 2 or 24 which is placed in a 3 inch thick layer and pressed into the soil. The area covered by the stone shall be as shown on the drawing above.
5. Periodic inspection and required maintenance shall be provided.

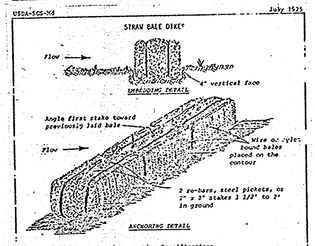
Standard Symbol DD

* Drainage area less than 5 acres

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	DIVERSION DIKE	Standard Drawing DD-1

USDA-SCS-MD July 1975

STRAW BALE DIKE*



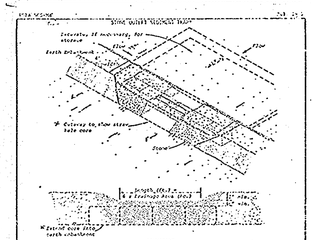
Construction Specifications

1. Bales shall be placed in a row with ends tightly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a minimum of 4".
3. Bales shall be securely anchored in place by stakes or re-bars driven through the bales. The first stake in each bale shall be angled toward previously laid bale to force bales together.
4. Inspection shall be frequent and repair or replacement shall be made promptly as needed.
5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

Standard Symbol SSD

* Drainage area less than 1/2 acre.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	STRAW BALE DIKE	Standard Drawing SSD-1



NOTE - Standard straw bales used for core. Bales are anchored as per Standard and Specifications for Straw Bale Dike. Other materials (e.g., either of concrete block) may also be used for core. Firmly anchor all core material to ground. ■

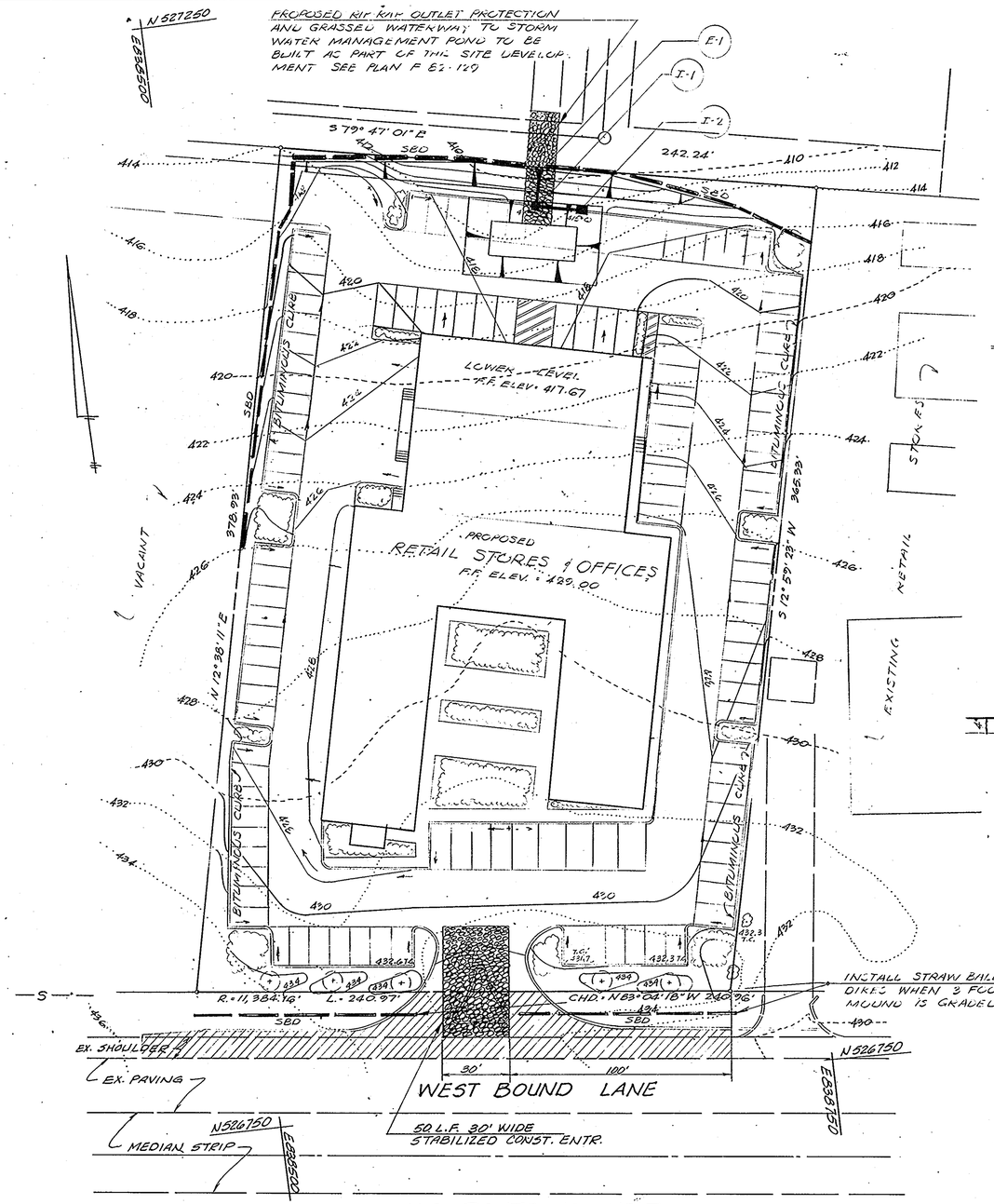
Construction Specifications

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. Fill material shall be free of roots.
2. The fill material for the embankment shall be excavated from the pond area. Selected material such as well graded coarse soil, rocky, organic material or other objectionable material, shall not be used. The embankment is to be compacted by traversing with crawler tractor while being constructed.
3. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such manner that it will not erode.
4. The structure shall be inspected after each rain and repairs made as needed.
5. Construction operations shall be carried out in such manner that erosion and water pollution is minimized.
6. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
7. All cut and fill slopes shall be 2:1 or flatter.
8. The crushed stone used in the outlet shall meet AASHTO designation M43, size No. 3 or 24 or the equivalent such as MSHA No. 2. Crushed concrete, either processed or used as crushed stone is not available. Crushed run is unacceptable.

* Structure area less than 5 acres.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	STONE OUTLET SEDIMENT TRAP	Standard Drawing ST-1

*NOTE: DELETE STRAW BALE CORE SEE "TYPICAL CROSS SECTION STONE OUTLET WEIR" THIS SHEET.

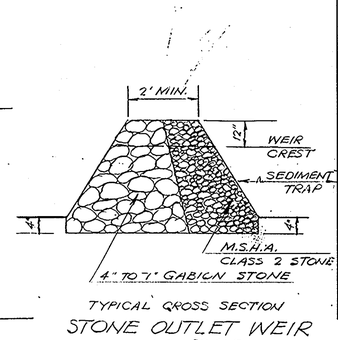


SEQUENCE OF OPERATIONS:

1. THE CONTRACTOR SHALL NOTIFY THE HOWARD CO. OFFICE OF INSPECTIONS & PERMITS (992-2496) AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING ANY WORK SHOWN HEREON.
2. CLEAR AND GRUB FOR SEDIMENT CONTROL DEVICES ONLY.
3. INSTALL SEDIMENT CONTROL DEVICES & STABILIZE SEDIMENT TRAP WITH TEMPORARY SEEDING.
4. CLEAR & GRUB SITE, ROUGH GRADE AND EXCAVATE FOR BUILDING. MAINTAIN POSITIVE RUN-OFF DRAINAGE INTO SEDIMENT TRAP AT ALL TIMES.
5. CLEAN OUT SEDIMENT TRAP WHEN SEDIMENT LEVEL REACHES CLEANOUT ELEVATION BY PUMPING CLEAR WATER OVER EMBANKMENT, REMOVING SEDIMENT & SPREADING ON SITE.
6. CONSTRUCT BUILDING, FINE GRADE SITE AND STABILIZE LANDSCAPED AREAS IN PARKING, ECT. MAINTAIN SEDIMENT TRAP UNTIL PAVEMENT BASE COURSE IS READY TO BE PLACED. NOTIFY SEDIMENT CONTROL OFFICER 5 WORKING DAYS PRIOR TO PLACING BASE COURSE FOR APPROVAL TO REMOVE SEDIMENT TRAP.
7. REMOVE & BACKFILL SEDIMENT TRAP AND FINE GRADE TRAP AREA. INSTALL STORM DRAINS, STABILIZE GRADED AREA WITH SEED AND PLACE BASE COURSE WITHIN 5 WORKING DAYS OF REMOVING TRAP. PROVIDE STRAW BALE DIKES AROUND EACH INLET UNTIL ALL BASE COURSE IS PLACED. INSTALL RIP-RAP OUTLET PROTECTION, IN ACCORDANCE WITH F 82-129.
8. COMPLETE SITE IMPROVEMENTS, PLACE SURFACE COURSE AND BITUMINOUS CURB. STABILIZE ALL LANDSCAPED AREAS WITH PERMANENT VEGETATION. NOTIFY SEDIMENT CONTROL OFFICER FOR APPROVAL TO REMOVE REMAINING SEDIMENT CONTROL DEVICES.

SEDIMENT TRAP DATA

TYPE	STONE OUTLET
BOTTOM DIMENSIONS	L = 12' L = 23' W = 35'
BOTTOM ELEVATION	410
CLEAN OUT ELEVATION	412
TOP EMBANKMENT ELEV.	415
WEIR CREST ELEVATION	414
DRAINAGE AREA	2.0 AC±
VOLUME REQ	3600 CF
VOLUME PROV.	3600 CF



TYPICAL CROSS SECTION
STONE OUTLET WEIR
NO SCALE

SEDIMENT CONTROL NOTES

1. All work shall be accomplished in accordance with Soil Conservation Services's "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas", July, 1975, and this plan of Sediment Control approved by the Howard County Soil Conservation District and the Department of Public Works.
2. During the layout of the sediment control measures shown hereon, minor field adjustments can and will be made to insure the arrest and control of any sediment before it leaves the construction site. These said changes require prior approval of the Sediment Control Inspector and the Soil Conservation District.
3. At the end of each working day, all sediment control measures will be inspected and left in an operational condition.
4. No sediment control measures may be removed without permission of the Sediment Control Inspector.
5. All 2:1 slopes are to be stabilized immediately after grading operations with sod.
6. Any disturbed area left idle for more than 30 days will be stabilized according to the temporary seeding notes shown hereon.
7. Any changes to the grading proposed on these plans will require that they be resubmitted to the Soil Conservation District.

SITE ANALYSIS:

IMPERVIOUS AREA	1.64 AC±
AREA TO BE REVEGETATED	0.42 AC±
TOTAL SITE AREA	2.06 AC±

PERMANENT SEEDING

All disturbed areas shall be stabilized as follows:

Seedbed Preparations: Loosen upper 3 inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 600 lbs. per acre 0-20-20 fertilizer (14 lbs./1000 sq. ft.). Harrow or disc lime and fertilizer into upper three inches of soil. At time of seeding, apply 400 lbs. per acre (9.2 lbs./1000 sq. ft.) of 20-0-0 ureaform fertilizer and 500 lbs. per acre (11.5 lbs./1000 sq. ft.) of 10-20-20 fertilizer.

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre Kentucky 31 Tall Fescue (1.4 lbs./1000 sq. ft.) For the period May 1 thru July 31, seed with 60 lbs. per acre Kentucky 31 Tall Fescue (1.4 lbs./1000 sq. ft.) and 2 lbs. per acre of weeping lovegrass (.05 lbs./1000 sq. ft.). 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.

Seeding For Storm Water Management Ponds Only: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 87 lbs. per acre Kentucky 31 Tall Fescue (1.4 lbs per 1000 sq. ft.) For the period May 1 thru July 31, seed with 87 lbs. per acre Kentucky 31 Tall Fescue (1.4 lbs./1000 sq. ft.) and 2 lbs. per acre weeping lovegrass (.05 lbs./ 1000 sq. ft.). 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 87 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw. All Kentucky 31 Tall Fescue shall be inoculated with Crown Vetch at 22 lbs. per acre (0.5 lbs./1000 sq. ft.).

Mulching: Apply 1.5 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 200 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 re-seeding.

TEMPORARY SEEDING

Seedbed Preparation: Loosen upper 3 inches of soil by discing, raking or other acceptable means before seeding.

Soil Amendments: Apply 600 lbs. per acre of 10-20-10 fertilizer (15 lbs./1000 sq. ft.).

Seeding: For periods March 1 thru April 30, and from August 15 thru November 15, seed with 2.5 bushels per acre 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.).

Mulching: Apply 1.5 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 200 gallons per acre (5gal./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.

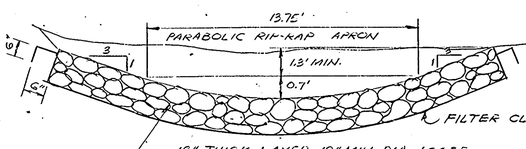
SODDING:

SEEDBED PREPARATION: PREPARE IN ACCORDANCE WITH PERMANENT SEEDING REQUIREMENTS.

SOIL AMENDMENTS: APPLY 100 LBS/1000 S.F. GROUND LIMESTONE AND 90 LBS/1000 S.F. OF 5-10-5 FERTILIZER. WATER SOIL THOROUGHLY.

SOD INSTALLATION: LAY WITH LONG EDGES PARALLEL TO THE CONTOUR AND STAGGER JOINTS, SECURE BY TAMPING AND PEGGING. WATER THOROUGHLY.

MAINTENANCE: WATER NEW SOD DAILY FOR FIRST WEEK AFTER INSTALLATION.



18" THICK LAYER 12" MIN. DIA. LOOSE LAID RIP-RAP. PROVIDE 3:1 BANK PROTECTION AS SHOWN BEYOND LIMITS OF PARABOLIC APRON. SEE FINAL PLAN F 82-129

DETAIL
RIP-RAP OUTLET PROTECTION
NO SCALE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 10-26-82

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM. HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE 11/16/82

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

PLANNING DIRECTOR — DATE 11-18-82

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 11-17-82

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

DIRECTOR — DATE 11-12-82

CHIEF, BUREAU OF ENGINEERING — DATE 11-12-82

DEVELOPER CERTIFICATION:
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH 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.

Angelo Amabile — Nov 1982

ANGELO AMABILE - BETHANY-40 LTD. DATE

HOWARD COUNTY SOIL CONSERVATION DISTRICT

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

William V. Rowe — 11-10-82

U.S. SOIL CONSERVATION SERVICE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

ENGINEERS CERTIFICATION
I CERTIFY THAT THIS PLAN FOR SOIL EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Richard J. Truelove — November 1, 1982

RICHARD TRUELOVE Reg. No. 10800 DATE

SEDIMENT CONTROL PLAN & DETAILS
BETHANY - 40 CENTER
PINE ORCHARD PARK - SEC. 1 PARCEL "C"
REVISION TO S.D.P. 82-30

2ND ELECTION DISTRICT — HOWARD CO. Md.
SCALE: 1" = 40' SHOWN — NOVEMBER 1, 1982
TAX MAP 24 PARCEL 11 — DEED REF: 481/189
PLAT REF NO 5032

OWNER/DEVELOPER
BETHANY - 40 LTD.
1718 M. BELMONT AVE.
BALTIMORE Md. 21207
265-1410

REVISIONS:

APR ASSOCIATES INC.
LAND SURVEYORS AND ENGINEERS
7427 HARFORD ROAD
BALTIMORE, MARYLAND 21234 Tel. 444-4312

STATE OF MARYLAND — RICHARD J. TRUELOVE — REGISTERED PROFESSIONAL ENGINEER

11-8-82

PROJECT NO	8282-A 8159
FINAL	
DESIGNED BY	R. TRUELOVE
DRAWN BY	E. THOMPSON
DATE	
SCALE	
SHEET NO	2 OF 2

SDP-83-35