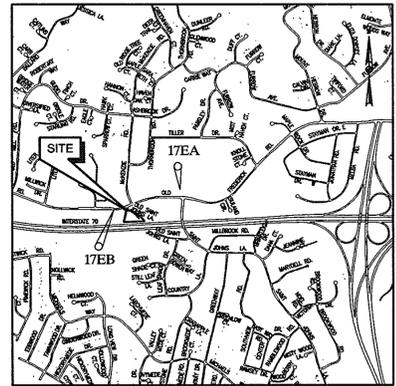


SHEET INDEX	
NO.	SHEET
1.	TITLE SHEET
2.	SITE LAYOUT AND LANDSCAPE PLAN
3.	EROSION AND SEDIMENT CONTROL PLAN
4.	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

BETHANY FIRE STATION SITE DEVELOPMENT PLAN

9601 OLD FREDERICK ROAD
TAX MAP 17, GRID 15, PARCEL 604
ELLCOTT CITY
HOWARD COUNTY, MARYLAND



LOCATION MAP
SCALE: 1" = 2000'

COUNTY CONTROL INFORMATION

MONUMENT 17 EA
HOWARD COUNTY ALUMINUM DISC SET NEAR
FLAG POLE AT MOUNT HEBRON HIGH SCHOOL
OFF MD 99 OLD FREDERICK ROAD.
ELEV = 478.78

MONUMENT 17 EB
HOWARD COUNTY ALUMINUM DISC SET NEAR BGE
POLE 474531, C&P 59 ON OLD FREDERICK ROAD,
224' WEST OF FIREHOUSE CENTRE LINE OF EX. DRIVE
ELEV = 453.49

GENERAL NOTES

1. THE SUBJECT PROPERTY IS ZONED R-20 PER THE JULY 28, 2006 COMPREHENSIVE ZONING PLAN.
2. THE EXISTING TOPOGRAPHY WAS TAKEN FROM A FIELD RUN SURVEY WITH ONE FOOT CONTOUR INTERVALS PREPARED BY ASSOCIATED ENGINEERING SCIENCES, INC. DATED 12/5/07.
3. EXISTING USE: FIRE STATION
4. PROPOSED USE: FIRE STATION WITH STORAGE BUILDING
5. BUILDING HEIGHT: 24'-0"
MAXIMUM HEIGHT ALLOWED: 34'-0"
6. FIRE STATION PARKING REQUIREMENTS: NUMBER OF EMPLOYEES - 6
PARKING REQUIRED: 8 (INCLUDES 2 HANDICAP SPACES)
PARKING PROVIDED: 9 (INCLUDES 3 HANDICAP SPACES)
7. REFUSE SHALL BE DISPOSED OF DAILY IN TRASH RECEPTACLES. TRASH REMOVAL SHALL BE CONTRACTED PRIVATELY.
8. SETBACKS: A VARIANCE WAS GRANTED ON OCTOBER 1, 2007 BY COUNTY COUNCIL RESOLUTION NO. 115-2007 WHICH ALLOWS FOR AN ENCROACHMENT OF 26.75 FEET INTO THE 50 FOOT BUILDING SETBACK AND FOR AN ENCROACHMENT OF 3 FEET INTO THE 20 FOOT USE SETBACK.

INTERSTATE 70 (I-70):
USE & STRUCTURE SETBACK 50'
PARKING SETBACK 20'

OLD SAINT JOHNS LANE:
USE & STRUCTURE SETBACK 50'
PARKING SETBACK 20'

9. UTILITIES: THE PROPOSED STORAGE BUILDING DOES NOT REQUIRE SEWER SERVICE. WATER CONNECTION SHOWN TO THE PROPOSED BUILDING IS FOR FIRE PROTECTION SPRINKLER SYSTEM.

WATER PUBLIC - EXISTING 8" WATER LINE (CONTRACT # 71-W) IS LOCATED ON OLD SAINT JOHNS LANE AND SERVICES THE SITE.

SEWER PUBLIC - EXISTING 8" SEWER LINE (CONTRACT # 20-1909) IS LOCATED ON OLD SAINT JOHNS LANE AND SERVICES THE SITE.

10. NO STORMWATER MANAGEMENT BMP IS REQUIRED FOR THIS PROJECT. A REDUCTION OF EXISTING IMPERVIOUS AREA IS EQUAL TO OR GREATER THAN THE AMOUNT OF NEW IMPERVIOUS AREA ADDED PLUS 20 PERCENT OF RECONSTRUCTED EXISTING IMPERVIOUS AREA, BASED ON REDEVELOPMENT CRITERIA.

11. ELECTION DISTRICT : 2

12. DEED REFERENCE:
PARCEL 604
HOWARD COUNTY, MD
LIBER 579 FOLIO 210

13. TAX MAP: 17, GRID 15

14. PROPERTY IS LOCATED IN ELLCOTT CITY.

15. THERE IS NO 100 YEAR FLOOD PLAIN LOCATED ON SITE PER FEMA MAP COMMUNITY PANEL 240044 0017B, ZONE C, DATED 12/4/86.

16. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION AT (410) 313-1800 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF THE WORK.

GENERAL NOTES CONTINUED

17. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
18. THERE ARE NO BURIAL GROUNDS LOCATED ON SITE.
19. THE COORDINATES SHOWN HERE ARE BASED UPON THE HOWARD COUNTY GEODETIC SURVEY CONTROL WHICH IS BASED UPON MARYLAND STATE PLAN COORDINATE SYSTEM HOWARD COUNTY MONUMENT NOS. 17EA AND 17EB WERE USED FOR THIS PROJECT.
20. THERE ARE NO WETLANDS ON SITE BASED ON A FIELD STUDY BY NOLAN ASSOCIATES, INC. ON AUGUST 23, 2007.
21. BASED ON SECTION 16.1202.(B)(1)(iii) OF THE HOWARD COUNTY CODE THIS PROJECT IS EXEMPT FROM FOREST CONSERVATION REQUIREMENTS AS THE PROPOSED DISTURBED AREA RELATED TO BUILDING CONSTRUCTION AND ASSOCIATED GRADING IS WITHIN THE ORIGINAL LIMIT OF DISTURBANCE AS SHOWN ON THE ORIGINAL SITE DEVELOPMENT PLAN, SDP-84-059, FOR THIS SITE.
22. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS BY ALL OF THE PERMITTING AUTHORITIES.
23. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS AND THE LATEST STANDARDS AND SPECIFICATIONS OF THE HOWARD COUNTY GOVERNMENT PLUS MDSA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
24. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL BUILDING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY /EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY LOCATIONS.
25. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREON, WITHOUT FIRST OBTAINING PRIOR WRITTEN AUTHORIZATION FOR SUCH DEVIATIONS FROM THE OWNER AND ENGINEER, CONTRACTOR SHALL BE RESPONSIBLE FOR THE PAYMENT OF ALL COSTS TO CORRECT ANY WORK DONE, ALL FINES AND PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM. THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ALL SUCH COSTS TO CORRECT ANY SUCH WORK AND FROM ALL SUCH FINES AND PENALTIES, COMPENSATION AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREFROM.
26. NO TRAFFIC STUDY IS REQUIRED FOR THIS PROJECT.
27. THIS PLAN HAS BEEN PREPARED ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. 7 EVERGREEN TREES AND 2 STREET TREES ARE PROVIDED WITH THIS PLAN.

GRADING AND UTILITY NOTES:

1. LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN THE FILED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO HOWARD COUNTY. UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. NOLAN ASSOCIATES, INC. IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS / MEANS FOR COMPLETION OF THE WORK DEPICTED ON THESE PLANS NOR ANY CONFLICTS / SCOPE REVISIONS WHICH RESULT FROM THE SAME. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING CONSTRUCTION METHODS / MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND NOTIFICATION OF OWNER AND NOLAN ASSOCIATES, INC. WHEN A CONFLICT IS IDENTIFIED.

SITE ANALYSIS DATA CHART

PROJECT AREA: PARCEL 604 AREA = 2.07 Ac. = 90,169 S.F.
LIMIT OF DISTURBANCE: 0.48 Ac.
PRESENT ZONING: R-20
PROPOSED USE: STORAGE BUILDING
FLOOR SPACE: 1ST FLOOR = 4020 S.F.
TOTAL FLOOR AREA = 4020 S.F.
NUMBER OF EMPLOYEES: 6
PARKING SPACES REQUIRED: 8
PARKING SPACES PROVIDED: 9
BUILDING COVERAGE OF SITE: 4.56%
APPLICABLE DPZ FILE NUMBERS: SDP-84-059

UTILITY CONTACT INFORMATION:

NATURAL GAS AND ELECTRIC: BALTIMORE GAS AND ELECTRIC, 7317 PARKWAY DRIVE, SOUTH HANOVER, MD 21076, PHONE: (410) 859-9383

WATER AND SANITARY SEWER: HOWARD COUNTY PUBLIC WORKS BUREAU OF UTILITIES, 8520 OLD MONTGOMERY ROAD, COLUMBIA, MD 21045, PHONE: (410) 313-4910

TELEPHONE
VERIZON
7133 RUTHERFORD ROAD
BALTIMORE, MD 21244
PHONE: (410) 224-5286

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THESE DOCUMENTS ARE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15212, EXPIRATION DATE: 12/24/2008."

ADDRESS CHART	
LOT / PARCEL #	STREET ADDRESS
604	9601 OLD FREDERICK RD, ELLCOTT CITY, HOWARD COUNTY MARYLAND 21042

PERMIT INFORMATION CHART				
PROJECT NAME	SECTION AREA	LOT / PARCEL #		
BETHANY FIRE STATION		604		
DEED REFERENCE	BLOCK #	ZONING	TAX MAP	ELECT. DISTR.
L579 / F210		R-20	17	2
WATER CODE		SEWER CODE		CENSUS TRACT
...		5758000		

APPROVED: DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION: *[Signature]* 11/30/07
DATE: 11/30/07

CHIEF, DIVISION OF LAND DEVELOPMENT: *[Signature]* 12/3/07
DATE: 12/3/07

DIRECTOR: *[Signature]* 12/3/07
DATE: 12/3/07

OWNERS: HOWARD COUNTY MARYLAND FIRE AND RESCUE DIVISION, 6571 COLUMBIA GATEWAY DR, STE 400, COLUMBIA, MARYLAND 21046

DEVELOPER: HOWARD COUNTY GOVERNMENT BUREAU OF FACILITIES, 9250 BENDIX ROAD, COLUMBIA, MARYLAND 21045

PROJECT: BETHANY FIRE STATION
PARCEL 604, HOWARD COUNTY BETHANY FIREHOUSE
9601 OLD FREDERICK ROAD
ELLCOTT CITY, MARYLAND 21042

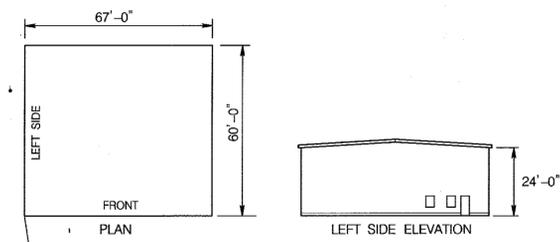
AREA: 2.07 AC. TAX MAP: 17 GRID: 15 ZONED: R-20
PARCEL 604 LIBER: 579 FOLIO: 210
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE SHEET

NOLAN
Associates, Inc.
Engineers - Civil/Structural/Inspections
4785 Dorsey Hall Drive
Suite 124
Ellicott City, Maryland 21042
Phone: (410) 995-3651 Fax: (410) 995-1363

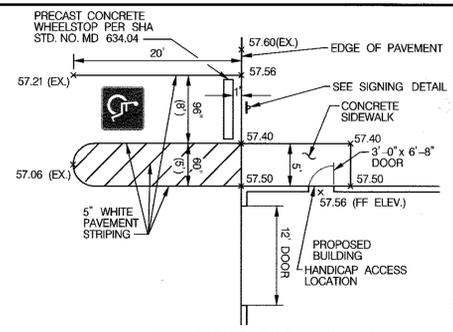
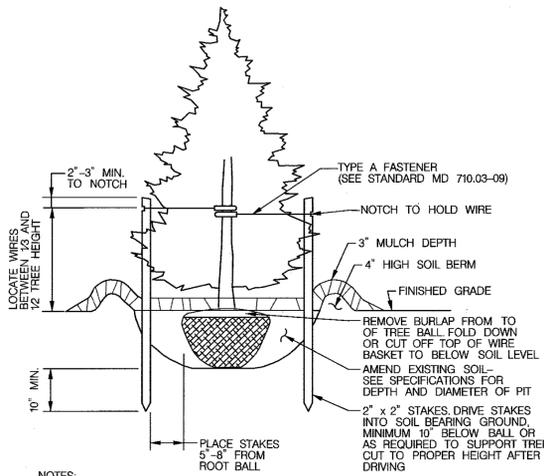
DESIGNED BY: G.W.F.
DRAWN BY: J.Y.W.
PROJECT NO.: ...
DATE: NOVEMBER 2007
SCALE: AS SHOWN
DRAWING NO. 1 OF 4

CHARLES S. NOLAN
PROFESSIONAL ENGINEER NO. 15212

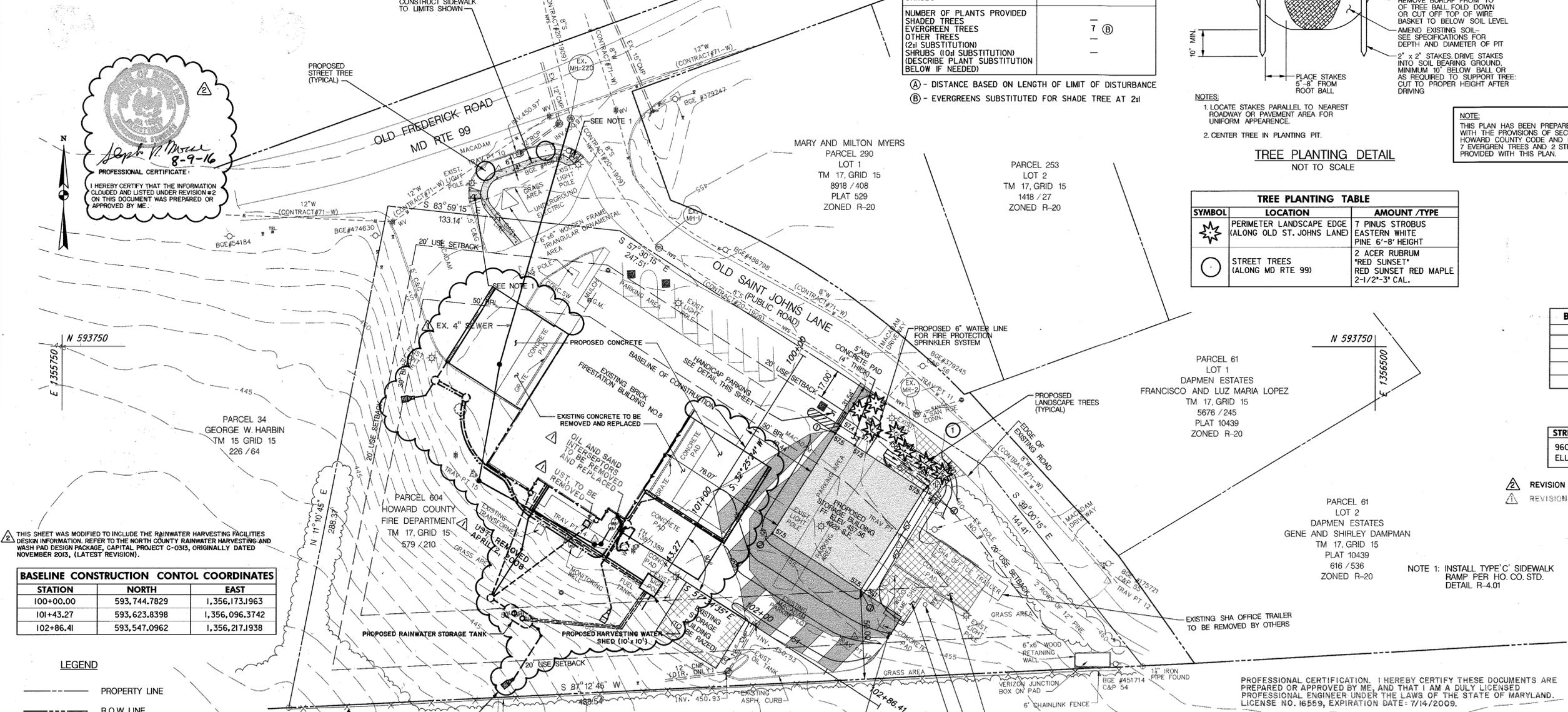
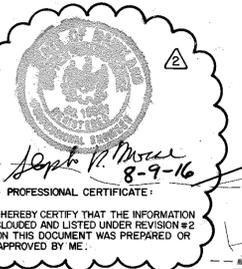


TRAVERSE POINTS CONTROL COORDINATES			
POINT NO.	NORTH	EAST	ELEVATION
10	593849.8141	1,355,999.2548	454.42
11	593716.8261	1,356,253.7553	459.48
12	593617.9415	1,356,347.3792	460.84
13	593586.2641	1,356,202.9871	454.64
14	593641.3342	1,356,054.6679	456.39

SCHEDULE A PERIMETER LANDSCAPE EDGE	
CATEGORY	ADJACENT TO ROADWAYS
LANDSCAPE TYPE	① B
LINEAR FEET OF ROADWAY FRONTAGE / PERIMETER	120' (A)
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO
NUMBER OF PLANTS REQUIRED SHADED TREES EVERGREEN TREES SHRUBS	120' 2 3
NUMBER OF PLANTS PROVIDED SHADED TREES EVERGREEN TREES OTHER TREES (2H SUBSTITUTION) SHRUBS (10H SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION BELOW IF NEEDED)	— 7 (B) — —



STORAGE BUILDING SCHEMATIC



TREE PLANTING TABLE

SYMBOL	LOCATION	AMOUNT / TYPE
★	PERIMETER LANDSCAPE EDGE (ALONG OLD ST. JOHNS LANE)	7 PINUS STROBUS EASTERN WHITE PINE 6'-8" HEIGHT
○	STREET TREES (ALONG MD RTE 99)	2 ACER RUBRUM "RED SUNSET" RED SUNSET RED MAPLE 2-1/2"-3" CAL.



HANDICAP PARKING SIGNING DETAIL

BUILDING CORNER CONTROL COORDINATES		
NO.	NORTH	EAST
①	593,701.0567	1,356,191.7736
②	593,644.5323	1,356,155.8015
③	697,333.2380	1,356,206.4204
④	697,538.2061	1,356,242.3925

STREET ADDRESS FOR WATER METER SERVICE
9603 / 9605 OLD FREDERICK ROAD
ELLICOTT CITY, MARYLAND 21042

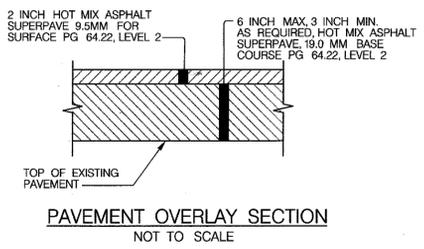
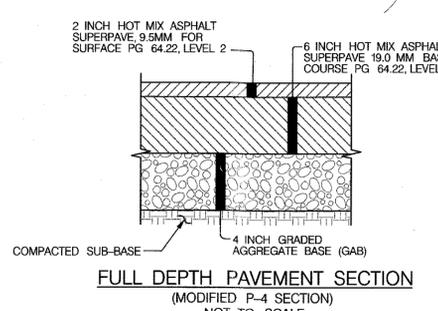
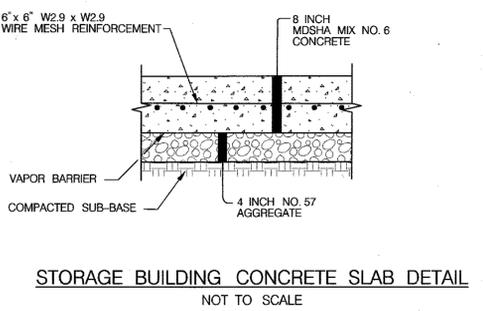
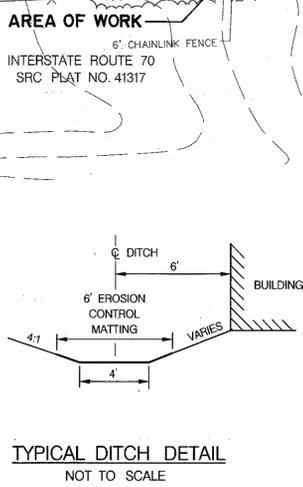
REVISION NO. 2 = REDLINE REVISIONS - SEE NOTE (6/10/16).
REVISION NO. 1 = ADDED EX. SEWER, R/R OIL/SAND INTERSECTOR AND EXIST REMOVE UST NOTES. 2/18/09

THIS SHEET WAS MODIFIED TO INCLUDE THE RAINWATER HARVESTING FACILITIES DESIGN INFORMATION. REFER TO THE NORTH COUNTY RAINWATER HARVESTING AND WASH PAD DESIGN PACKAGE, CAPITAL PROJECT C-0315, ORIGINALLY DATED NOVEMBER 2015, (LATEST REVISION).

BASELINE CONSTRUCTION CONTROL COORDINATES		
STATION	NORTH	EAST
100+00.00	593,744.7829	1,356,173.1963
101+43.27	593,623.8398	1,356,096.3742
102+86.41	593,547.0962	1,356,217.1938

LEGEND

- PROPERTY LINE
- R.O.W. LINE
- EASEMENT LINE
- 30' BRL BUILDING RESTRICTION LINE
- EX 12" RCP EXISTING STORM DRAIN
- PROPOSED BUILDING
- 450 EXISTING CONTOUR
- 450 PROPOSED CONTOUR
- EXISTING BUILDING / PAVEMENT TO BE REMOVED
- PROPOSED FULL DEPTH PAVING
- PROPOSED PAVEMENT OVERLAY
- LANDSCAPING EDGE PERIMETER
- LANDSCAPE TREE
- STREET TREE



APPROVED: DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION: *[Signature]* DATE: 11/30/10

CHIEF, DIVISION OF LAND DEVELOPMENT: *[Signature]* DATE: 12/3/10

DIRECTOR: *[Signature]* DATE: 12/3/10

OWNERS: HOWARD COUNTY MARYLAND FIRE AND RESCUE DIVISION, 6571 COLUMBIA GATEWAY DR, STE 400, COLUMBIA, MARYLAND 21046

DEVELOPER: HOWARD COUNTY GOVERNMENT BUREAU OF FACILITIES, 9250 BENDIX ROAD, COLUMBIA, MARYLAND 21045

PROJECT: **BETHANY FIRE STATION**
PARCEL 604, HOWARD COUNTY BETHANY FIREHOUSE, 9601 OLD FREDERICK ROAD, ELLICOTT CITY, MARYLAND 21042

AREA: 2.07 AC. TAX MAP: 17 GRID: 15 ZONED: R-20
PARCEL 604 LIBER: 579 FOLIO: 210
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

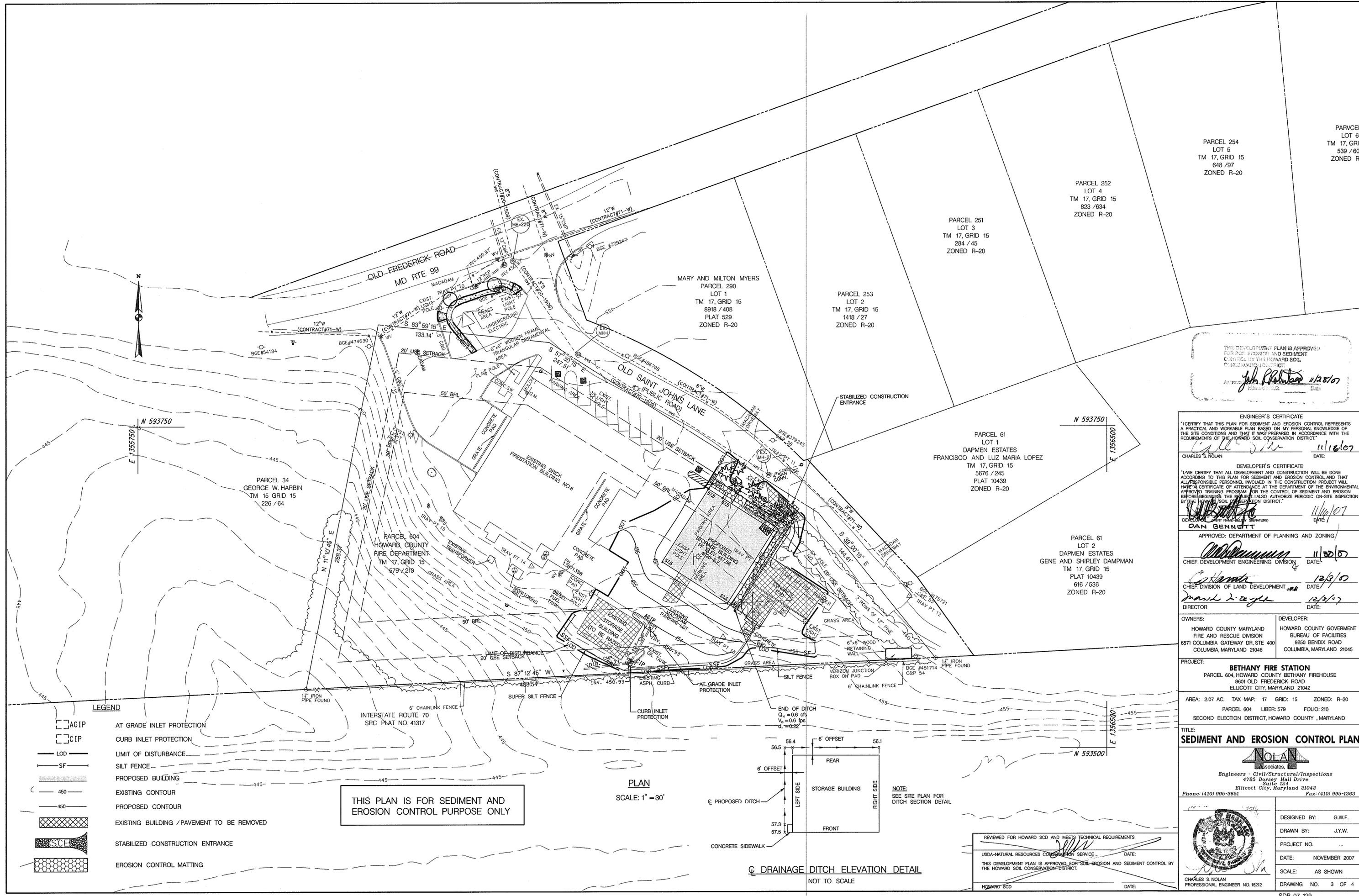
TITLE: **SITE LAYOUT AND LANDSCAPE PLAN**

NOLAN Associates, Inc.
Engineers - Civil/Structural/Inspections
4785 Dorsey Hall Drive, Suite 124, Ellicott City, Maryland 21042
Phone: (410) 995-3651 Fax: (410) 995-1363

DESIGNED BY: G.W.F.
DRAWN BY: J.Y.W.
PROJECT NO.: ...
DATE: NOVEMBER 2007
SCALE: AS SHOWN
DRAWING NO. 2 OF 4

CHARLES S. NOLAN, PROFESSIONAL ENGINEER NO. 15212





PARCEL 254
LOT 5
TM 17, GRID 15
648 / 97
ZONED R-20

PARCEL 252
LOT 4
TM 17, GRID 15
823 / 634
ZONED R-20

PARCEL 251
LOT 3
TM 17, GRID 15
284 / 45
ZONED R-20

PARCEL 253
LOT 2
TM 17, GRID 15
1418 / 27
ZONED R-20

MARY AND MILTON MYERS
PARCEL 290
LOT 1
TM 17, GRID 15
8918 / 408
PLAT 529
ZONED R-20

PARCEL 61
LOT 1
DAPMEN ESTATES
FRANCISCO AND LUZ MARIA LOPEZ
TM 17, GRID 15
5676 / 245
PLAT 10439
ZONED R-20

PARCEL 61
LOT 2
DAPMEN ESTATES
GENE AND SHIRLEY DAMPMAN
TM 17, GRID 15
PLAT 10439
616 / 536
ZONED R-20

PARCEL 34
GEORGE W. HARBIN
TM 15 GRID 15
226 / 64

PARCEL 604
HOWARD COUNTY
FIRE DEPARTMENT
TM 17, GRID 15
579 / 218

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

John Robinson 11/28/07
Professional Engineer No. 15212

ENGINEER'S CERTIFICATE

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

Charles S. Nolan 11/28/07
DATE: 11/28/07

DEVELOPER'S CERTIFICATE

"I HAVE CERTIFIED THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENTAL 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."

Dan Bennett 11/28/07
DATE: 11/28/07

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Gene Dampman 11/28/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 11/28/07

Mark Z. Oglet 12/3/07
CHIEF, DIVISION OF LAND DEVELOPMENT DATE: 12/3/07

Mark Z. Oglet 12/3/07
DIRECTOR DATE: 12/3/07

OWNERS:

HOWARD COUNTY MARYLAND
FIRE AND RESCUE DIVISION
6571 COLUMBIA GATEWAY DR, STE 400
COLUMBIA, MARYLAND 21046

DEVELOPER:

HOWARD COUNTY GOVERNMENT
BUREAU OF FACILITIES
9250 BENDIX ROAD
COLUMBIA, MARYLAND 21045

PROJECT:

BETHANY FIRE STATION
PARCEL 604, HOWARD COUNTY BETHANY FIREHOUSE
9601 OLD FREDERICK ROAD
ELLCOTT CITY, MARYLAND 21042

AREA: 2.07 AC. TAX MAP: 17 GRID: 15 ZONED: R-20
PARCEL 604 LIBER: 579 FOLIO: 210
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE:
SEDIMENT AND EROSION CONTROL PLAN

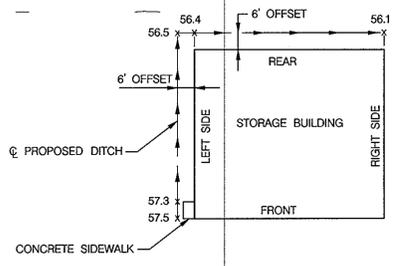
NOLAN Associates, Inc.
Engineers - Civil/Structural/Inspections
4785 Dorsey Hill Drive
Suite 124
Ellicott City, Maryland 21042
Phone: (410) 995-3651 Fax: (410) 995-1363

DESIGNED BY: G.W.F.
DRAWN BY: J.Y.W.
PROJECT NO.: ...
DATE: NOVEMBER 2007
SCALE: AS SHOWN
DRAWING NO. 3 OF 4

CHARLES S. NOLAN
PROFESSIONAL ENGINEER NO. 15212

THIS PLAN IS FOR SEDIMENT AND EROSION CONTROL PURPOSE ONLY

PLAN
SCALE: 1" = 30'



REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE:

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

HOWARD SCD DATE:

- LEGEND**
- AGIP AT GRADE INLET PROTECTION
 - CIP CURB INLET PROTECTION
 - LOD LIMIT OF DISTURBANCE
 - SF SILT FENCE
 - PROPOSED BUILDING
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - EXISTING BUILDING / PAVEMENT TO BE REMOVED
 - SCE STABILIZED CONSTRUCTION ENTRANCE
 - EROSION CONTROL MATTING



N 593750
E 1355750

N 593750
E 1355750

N 593500
E 1336500

INTERSTATE ROUTE 70
SRC PLAT NO. 41317

6" CHAINLINK FENCE

AT GRADE INLET PROTECTION

CURB INLET PROTECTION

LIMIT OF DISTURBANCE

SILT FENCE

PROPOSED BUILDING

EXISTING CONTOUR

PROPOSED CONTOUR

EXISTING BUILDING / PAVEMENT TO BE REMOVED

STABILIZED CONSTRUCTION ENTRANCE

EROSION CONTROL MATTING

6" CHAINLINK FENCE

AT GRADE INLET PROTECTION

CURB INLET PROTECTION

LIMIT OF DISTURBANCE

SILT FENCE

PROPOSED BUILDING

EXISTING CONTOUR

PROPOSED CONTOUR

EXISTING BUILDING / PAVEMENT TO BE REMOVED

STABILIZED CONSTRUCTION ENTRANCE

EROSION CONTROL MATTING

SPECIFICATIONS FOR VEGETATION ESTABLISHMENT

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 three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments--In lieu of soil test recommendations, use one of the following schedules:

1. 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 disk into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq. ft.)
2. Acceptable--Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.

Seeding--For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue 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/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

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 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 seeding areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

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, disking 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 weed free 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 ft or higher, use 348 gal per acre (8 gal/1000 sq. ft.) for anchoring.

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

STANDARD SEDIMENT CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction, (313-1850).
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 most current MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
3. 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.
4. All sediment traps/basins shown must be placed 12 and the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 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 for proper germination and establishment of grasses.
6. 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.
7. Site Analysis:

Total Area of Site	2.07	Acres
Area Disturbed	0.49	Acres
Area to be roofed or paved	0.17	Acres
Area to be vegetatively stabilized	0.19	Acres
Total Cut	132	Cu. Yds.
Total Fill	200	Cu. Yds.

 Offsite Waste/Borrow Area Location To Be Determined By Contractor at a site with an active grading permit.
8. It is the responsibility of the contractor to identify the soil/borrow site and notify and gain the approval from the sediment control inspector of the site and its grading permit number at the time of construction.
9. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
10. Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.

SPECIFICATIONS FOR TOPSOIL

Definition: Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose: To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

1. This practice is limited to areas having 2:1 or flatter slopes where:
 - a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - c. The original soil to be vegetated contains material toxic to plant growth.
 - d. The soil is so acidic that treatment with limestone is not feasible.
2. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

1. Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
2. Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - a. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2" in diameter.
 - b. Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.
 - c. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
3. For sites having disturbed areas under 5 acres:
 - a. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.
4. For sites having disturbed areas over 5 acres:
 - a. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
 - i. pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
 - ii. Organic content of topsoil shall be not less than 1.5 percent by weight.
 - iii. Topsoil having soluble salt content greater than 500 parts per million shall not be used.
 - iv. No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min) to permit dissipation of phytotoxic materials.

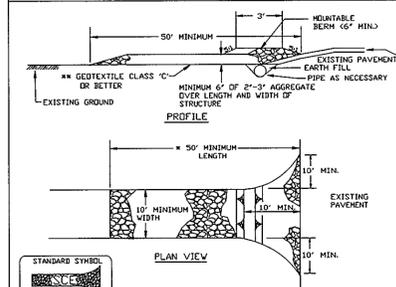
Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by appropriate authority, may be used in lieu of natural topsoil.

- a. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

Topsoil Application

1. When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.
2. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" or higher in elevation.
3. Topsoil shall be uniformly distributed in a 4"-8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.
4. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seeded preparation.
5. Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:
 - a. Composted Sludge Material for use as soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:
 - i. Composted sludge shall be supplied by or originate from a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of Environment under COMAR 26.04.06.
 - ii. Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a Ph of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.
 - iii. Composted sludge shall be applied at the rate of 1 ton/1,000 square feet.
 - b. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1000 square feet, and 1/3 the normal lime application rate.

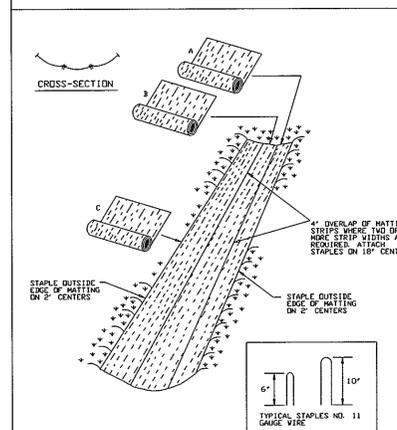
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



1. Length - minimum of 50' (x30' for single residence lot).
2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use geotextile.
4. Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a portable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCS is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE F-12-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 30 - EROSION CONTROL MATTING



1. Key-in the matting by placing the top ends of the matting in a source trench, 6" in depth. Backfill the trench and base firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6'.
2. Staple the 4" overlap in the channel center using an 18" spacing between staples.
3. Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
4. Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
5. Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4". Strip overlap. Reinforce the overlap with a double row of staples spaced 6' apart in a staggered pattern on either side.
6. The discharge end of the matting liner should be securely secured with 2 double rows of staples.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE G-22-2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

EROSION CONTROL MATTING

Construction Specifications

1. Key-in the matting by placing the top ends of the matting in a source trench, 6" in depth. Backfill the trench and base firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6'.
2. Staple the 4" overlap in the channel center using an 18" spacing between staples.
3. Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
4. Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
5. Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4". Strip overlap. Reinforce the overlap with a double row of staples spaced 6' apart in a staggered pattern on either side.
6. The discharge end of the matting liner should be securely secured with 2 double rows of staples.

Note: If flow will enter from the edge of the matting then the area affected by the flow must be kept in.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE G-22-2A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

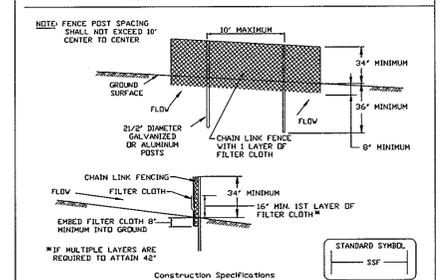
THIS PLAN IS FOR SEDIMENT AND EROSION CONTROL PURPOSE ONLY

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
 2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS (410-313-1880) AT LEAST 24 HOURS BEFORE STARTING ANY WORK.
 3. REMOVE EXISTING PAVEMENT AND CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. 1 DAY
 4. INSTALL SILT FENCE AND INLET PROTECTION. 1 DAY
 5. WITH PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, PROCEED WITH REMOVAL OF THE EXISTING BUILDING, SHED AND RELATED IMPERVIOUS (PAVEMENT) AREA. 1 WEEK
 6. CONSTRUCT BUILDING SLAB AND FULL DEPTH PAVEMENT. 2 WEEKS
 7. GRADE DITCH AND RELATED TURF AREA AND STABILIZE. 3 DAYS
 8. CONSTRUCT STORAGE BUILDING. 2 WEEKS
 9. STABILIZE ANY REMAINING DISTURBED AREAS. 1 DAY
 10. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES. 1 DAY
- TOTAL: 7 WEEKS

DURATION

DETAIL 33 - SUPER SILT FENCE

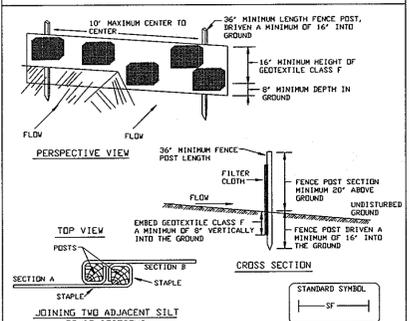


1. Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details For Chain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" length posts.
2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.
3. Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
4. Filter cloth shall be embedded a minimum of 8" into the ground.
5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
6. Maintenance shall be performed as needed and silt bulges removed when 'bulges' develop in the silt fence, or when silt reaches 50% of fence height.
7. Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min.)	Test MSHT 509
Tensile Modulus	20 lbs/in (min.)	Test MSHT 509
Flow Rate	0.3 gal /ft ² /minute (max.)	Test MSHT 332
Filtering Efficiency	75% (min.)	Test MSHT 332
8. If multiple layers are required to attain 42" height.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE G-22-2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 22 - SILT FENCE



1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard I or U section weighing not less than 1.00 pound per linear foot.
2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min.)	Test MSHT 509
Tensile Modulus	20 lbs/in (min.)	Test MSHT 509
Flow Rate	0.3 gal /ft ² /minute (max.)	Test MSHT 332
Filtering Efficiency	75% (min.)	Test MSHT 332
3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE G-22-2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

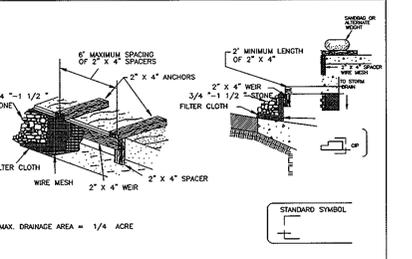
SILT FENCE

Slope Steepness	Silt Fence Design Criteria	
	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 Feet	1,000 Feet
10:1 to 5:1	100 Feet	750 Feet
5:1 to 3:1	60 Feet	500 Feet
3:1 to 2:1	40 Feet	250 Feet
2:1 and steeper	20 Feet	125 Feet

Note: In areas of less than 2:1 slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence will be the only perimeter control required.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE G-22-2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

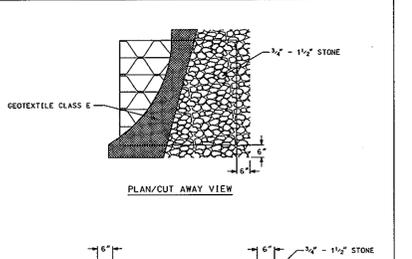
DETAIL 23C - CURB INLET PROTECTION (CROSS OR CURB INLETS)



1. Attach a continuous piece of wire mesh (30" minimum width by throat length plus 4") to the 2" x 4" wire (measuring throat length plus 2") as shown on the standard drawing.
2. Place a continuous piece of Geotextile Class E the same dimensions as the wire mesh over the wire mesh and securely attach it to the 2" x 4" wire.
3. Securely nail the 2" x 4" wire to a 9" long vertical spacer to be located between the wire and the inlet face (max. 4" apart).
4. Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the wire of spacer location). These 2" x 4" anchors shall extend across the wire mesh and geotextile in such a manner to prevent water from entering the inlet under or around the geotextile.
5. The assembly shall be placed so that the end spaces are a minimum 1" beyond both ends of the throat opening.
6. Form the 1/2" x 1/2" wire mesh and the geotextile fabric to the concrete gutter and against the face of the curb on both sides of the inlet. Place clean 3/4" x 1 1/2" stone over the wire mesh and geotextile in such a manner to prevent water from entering the inlet under or around the geotextile.
7. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
8. Assure that storm flow does not bypass the inlet by installing a temporary earth or asphalt dike to direct the flow to the inlet.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-16-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 23B - AT GRADE INLET PROTECTION



1. Lift grate and wrap with Geotextile Class E to completely cover all openings, then set grate back in place.
2. Place 3/4" to 1 1/2" stone, 4"-6" thick on the grate to secure the fabric and provide additional filtration.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-16-3A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

REVIEWED FOR HOWARD COUNTY MEETS TECHNICAL REQUIREMENTS
 USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE: 11/28/07
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
 John K. Robinson DATE: 11/28/07
 HOWARD SCD

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY CONSERVATION DISTRICT.
 Charles S. Nolan DATE: 11/16/07

DEVELOPER'S CERTIFICATE
 I HAVE CERTIFIED THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE 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 CONSERVATION DISTRICT.
 Dan Bennett DATE: 11/16/07

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division DATE: 11/30/07

CHIEF, DIVISION OF LAND DEVELOPMENT DATE: 12/3/07
 Director DATE: 12/3/07

OWNERS: HOWARD COUNTY MARYLAND FIRE AND RESCUE DIVISION 6571 COLUMBIA GATEWAY DR, STE 400 COLUMBIA, MARYLAND 21046
 DEVELOPER: HOWARD COUNTY GOVERNMENT BUREAU OF FACILITIES 9250 BENDIX ROAD COLUMBIA, MARYLAND 21045

PROJECT: BETHANY FIRE STATION PARCEL 604, HOWARD COUNTY BETHANY FIREHOUSE 9601 OLD FREDERICK ROAD ELLICOTT CITY, MARYLAND 21042

AREA: 2.07 AC. TAX MAP: 17 GRID: 15 ZONED: R-20
 PARCEL 604 LIBER: 579 FOLIO: 210
 SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE: SEDIMENT AND EROSION CONTROL NOTES AND DETAILS

Engineers - Civil/Structural/Inspections
 4785 Dorsey Hall Drive Suite 124 Ellicott City, Maryland 21042
 Phone: (410) 995-3651 Fax: (410) 995-1383

DESIGNED BY: G.W.F.
 DRAWN BY: J.Y.W.
 PROJECT NO.:
 DATE: NOVEMBER 2007
 SCALE: AS SHOWN
 DRAWING NO. 4 OF 4
 SDP-07-129