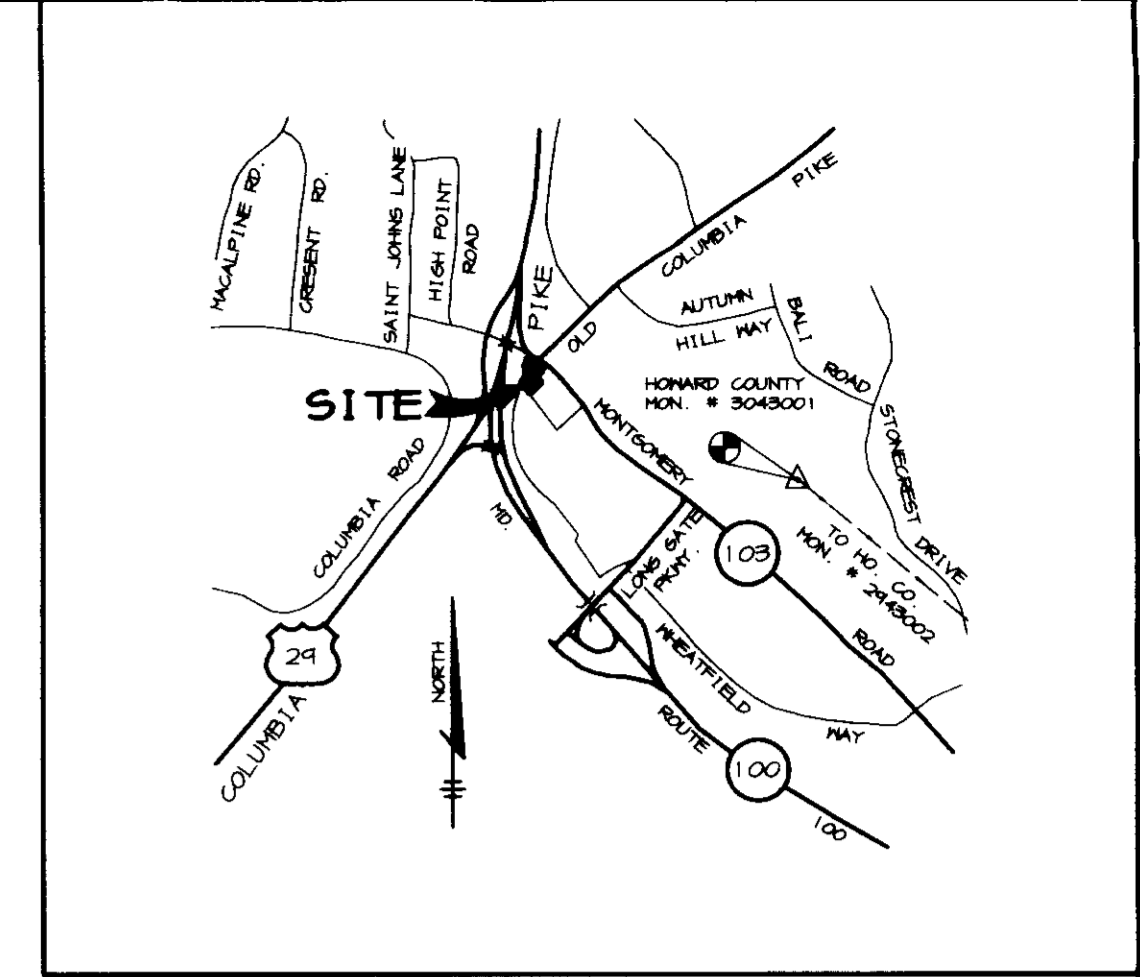


SHEET INDEX	
No.	DESCRIPTION
C-1	TITLE SHEET
C-2	SITE DEVELOPMENT PLAN
C-3	GEOMETRY PLAN
C-4	SEDIMENT CONTROL PLAN AND DRAINAGE AREA MAP
C-5	PROFILES AND NOTES
C-6	DETAILS
C-7	LANDSCAPE PLAN

SITE DEVELOPMENT PLAN SECOND DISTRICT FIRE STATION

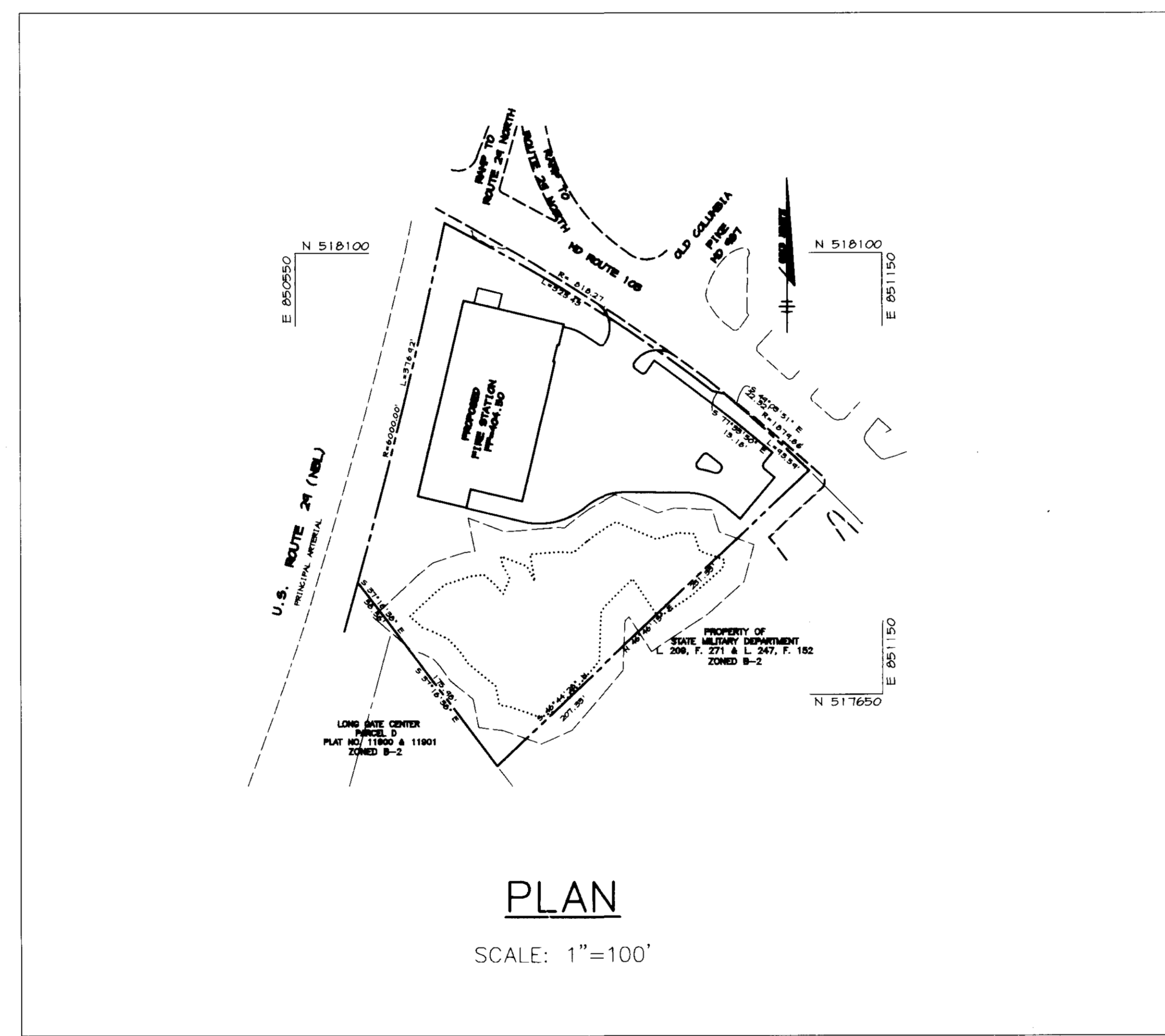
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CAPITAL PROJECT NO. F-5247



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND MSHA.
- 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 THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- 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 THE PLACEMENT OF ANY ASPHALT.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- THE EXISTING ON-SITE TOPOGRAPHY IS TAKEN FROM A FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY RIEMER MUEGGE AND ASSOC. DATED SEPTEMBER 1995.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 3043001 AND 2943002 WERE USED FOR THIS PROJECT.
- STORMWATER MANAGEMENT QUANTITY IS ADDRESSED BY PROVIDING OFF-SITE STREAM IMPROVEMENTS BY OTHERS. STORMWATER MANAGEMENT QUALITY IS ADDRESSED WITH A STORMCEPTOR AND WILL BE PRIVATELY OWNED AND MAINTAINED BY THE ELLICOTT CITY VOLUNTEER FIREMEN'S ASSOCIATION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION.
- THERE IS NO FLOODPLAIN ON THIS SITE, PER FIRM PANEL NO.24004400238, DATED DECEMBER 4, 1986.
- THE WETLANDS DELINEATION STUDY FOR THIS PROJECT WAS PREPARED BY ESA, INC., DATED JULY 1993.
- THE TRAFFIC STUDY FOR THIS PROJECT IS NOT REQUIRED.
- THE GEOTECHNICAL STUDY FOR STORMWATER MANAGEMENT AND PAVEMENT DESIGN FOR THIS PROJECT WAS PREPARED BY ROBERT B. BALTER CO, DATED JULY 19, 1996.
- THE BOUNDARY SURVEY FOR THIS PROJECT WAS PREPARED BY RIEMER MUEGGE AND ASSOC. DATED JULY 1991 AND UPDATED PER F-97-11.
- SUBJECT PROPERTY IS ZONED B-2.
- ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- SEE DEPARTMENT OF PLANNING AND ZONING FILE NO'S: ZB 959M, F-94-72, F-96-03, F-97-11, AA-96-20.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6" OF FINISHED GRADE.
- ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS "C" AS SHOWN IN FIG. 11.4, VOLUME 1 OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE NOTED.
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT \circ ELEVATIONS.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO T-180. SEE ARCHITECTURAL PLANS FOR COMPACTION REQUIREMENTS UNDER BUILDING.
- EXISTING INLET NUMBERS WERE ASSIGNED FOR THIS PROJECT AND ARE NOT BASED ON PREVIOUS PLANS.
- PROVIDE GRADUAL 10' TRANSITION WHEN CONNECTING STANDARD AND REVERSE CURB. ALL CURBING IN MD 103 R/W SHALL BE STANDARD MSHA TYPE "A" CURB. PROVIDE 10' TRANSITION WHEN CONNECTING HOWARD COUNTY 7" CURB TO MSHA CURB. ALL TRANSITIONS TO BE ON-SITE.
- ALL SOIL TO BE USED ON THIS SITE MUST BE FROM AN APPROVED BORROW SITE.
- WHEN REMOVING EXISTING CURB, REMOVE TO NEAREST JOINT.
- ADMINISTRATIVE ADJUSTMENT AA-96-20 MODIFIED ZONING MAP LINE WHICH REZONED THE R-20 PORTION TO B-2 BY DECISION AND ORDER DATED AUGUST 1, 1996.



PLAN

SCALE: 1"=100'

WATER AND SEWER GENERAL NOTES

- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
- ALL PIPE ELEVATIONS SHOWN \circ ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAIL FOR CONSTRUCTION. (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL \square AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
STATE HIGHWAY ADMINISTRATION 531-5533
BALTIMORE GAS & ELECTRIC CO. CONTRACTOR SERVICES 850-4620
BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL 787-9088
MISS UTILITY 1-800-257-7777
COLONIAL PIPELINE CO. 795-1390
UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 313-4900
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES OF THE EXISTING WATER SYSTEM.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.
- ALL SEWER MAINS SHALL BE DIP OR PVC UNLESS OTHERWISE NOTED.
- MANHOLES SHOWN WITH 12" AND 16" WELLS ARE FOR BRICK MANHOLES ONLY. CONTRACTOR SHALL HAVE AN OPTION TO PROVIDE PRE-CAST MANHOLES IN ACCORDANCE WITH DESIGN VOL. 14.
- MANHOLES CAN BE EITHER BRICK OR PRECAST CONCRETE STRUCTURES.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(A) OF THE HOWARD COUNTY CODE.

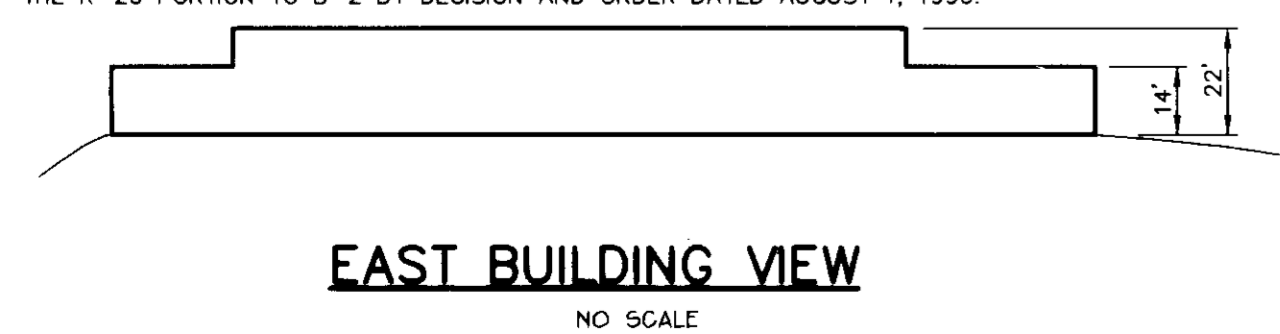
BENCH MARK

- HOWARD COUNTY CONTROL STATION # 3043001 ELEV. = 437.919
N. 516549.548, E. 853656.506 (NAD27)
CONC. MON. 32' NE OF NW CORNER OF BG&E TOWER #276-A AND 58.41' NW OF NE CORNER BG&E TOWER #276-A.
- HOWARD COUNTY CONTROL STATION # 2943002
N. 513,205.902, E. 857,478.687 (NAD27)
CONC. MON. 15' LOCATED ON THE TRANSMISSION LINE 1700± NORTH OF INTERSECTION OF RT. 103 AND NEW CUT ROAD AND 1150± EAST OF NEW CUT ROAD.

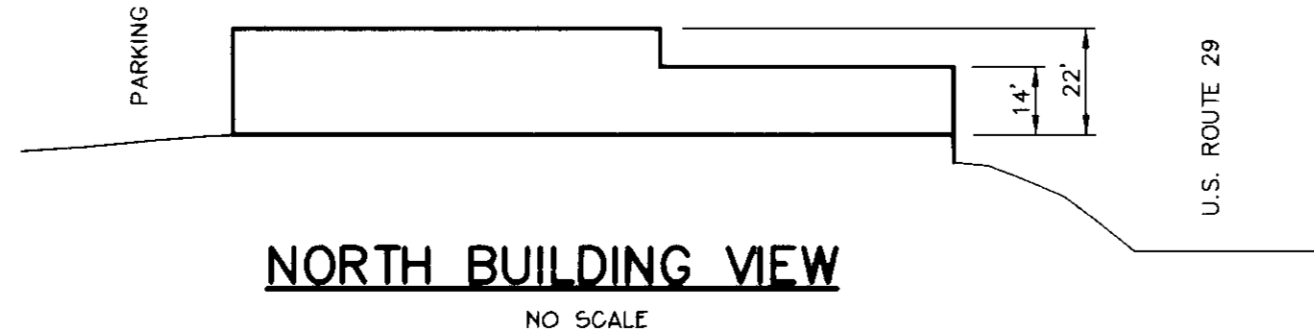
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>Rita Sam</i>	11-14
CHIEF, BUREAU OF UTILITIES	DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
<i>Joyce M. Boyd</i>	11/2/96
COUNTY HEALTH OFFICER	DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING	
<i>Joseph A. Hite</i>	11/15/96
DIRECTOR	DATE
<i>Chris Damman</i>	11/5/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>Richard B. Reed</i>	11/5/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH	DATE

DATE	NO.	REVISION
OWNER / DEVELOPER		
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 3450 COURT HOUSE DRIVE ELLICOTT CITY, MD 21043		
PROJECT SECOND DISTRICT FIRE STATION		
AREA TAX MAP 24 BLOCK 23424 ZONED B-2 2nd ELECTION DISTRICT, PARCEL A-2 HOWARD COUNTY, MARYLAND		
TITLE TITLE SHEET		

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282



EAST BUILDING VIEW
NO SCALE



NORTH BUILDING VIEW
NO SCALE

ADDRESS CHART																							
PARCEL NUMBER	STREET ADDRESS																						
A-2	4150 MONTGOMERY ROAD																						
<table border="1"> <tr> <td>PROPOSED USE</td> <td>Second District Fire Station</td> <td>PARCEL</td> <td>A-2</td> </tr> <tr> <td>PLAT #</td> <td>12360</td> <td>BLK. #</td> <td>24</td> </tr> <tr> <td>BLK. #</td> <td>24</td> <td>SECT. #</td> <td>2nd</td> </tr> <tr> <td>OWNER TRACT</td> <td>29423</td> <td>OWNER TRACT</td> <td>6023.02</td> </tr> <tr> <td>WATER CODE</td> <td>F-09</td> <td>SEWER CODE</td> <td>5750601</td> </tr> </table>				PROPOSED USE	Second District Fire Station	PARCEL	A-2	PLAT #	12360	BLK. #	24	BLK. #	24	SECT. #	2nd	OWNER TRACT	29423	OWNER TRACT	6023.02	WATER CODE	F-09	SEWER CODE	5750601
PROPOSED USE	Second District Fire Station	PARCEL	A-2																				
PLAT #	12360	BLK. #	24																				
BLK. #	24	SECT. #	2nd																				
OWNER TRACT	29423	OWNER TRACT	6023.02																				
WATER CODE	F-09	SEWER CODE	5750601																				

SITE ANALYSIS

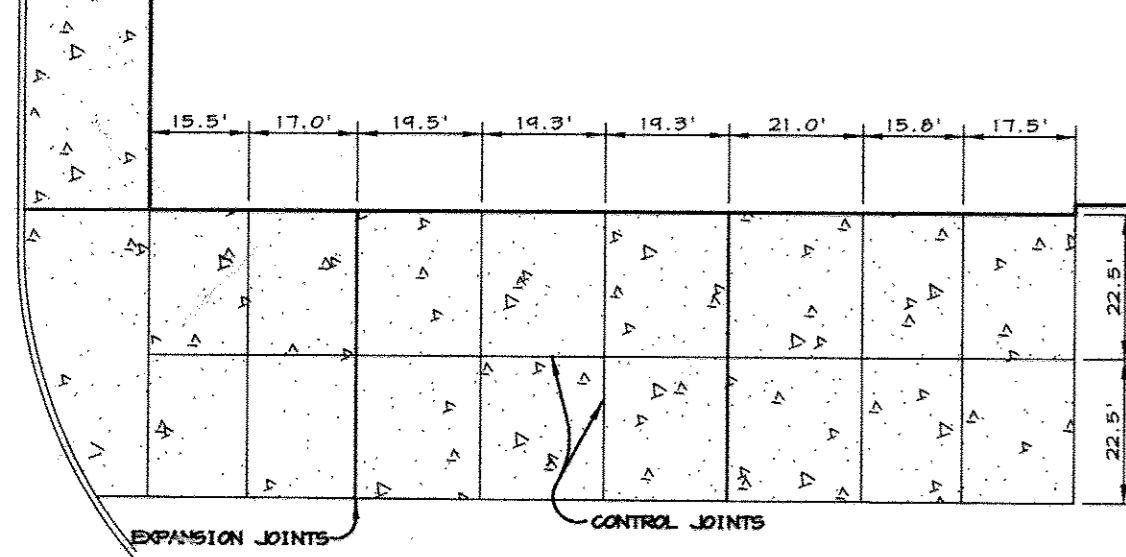
AREA OF PROPERTY:	3.084 Ac.
PRESENT ZONING:	B-2
EXISTING USE:	COMMERCIAL
PROPOSED USE:	COMMERCIAL/FIRE STATION
BUILDING AREA:	20,300 S.F.
BUILDING COVERAGE (% OF SITE):	15.1%
PARKING REQUIRED:	AS REQUIRED BY HOWARD COUNTY DEPARTMENT OF FIRE AND RESCUE SERVICES
PARKING PROVIDED:	32 SPACES
(INCLUDES 2 HANDICAP SPACES)	32 SPACES
PAVEMENT/ROOF AREA:	
EXISTING:	36,500 S.F.
PROPOSED:	48,500 S.F.
TOTAL:	48,500 S.F.
COVERAGE(% OF SITE):	36.1%

SHEET
C-1

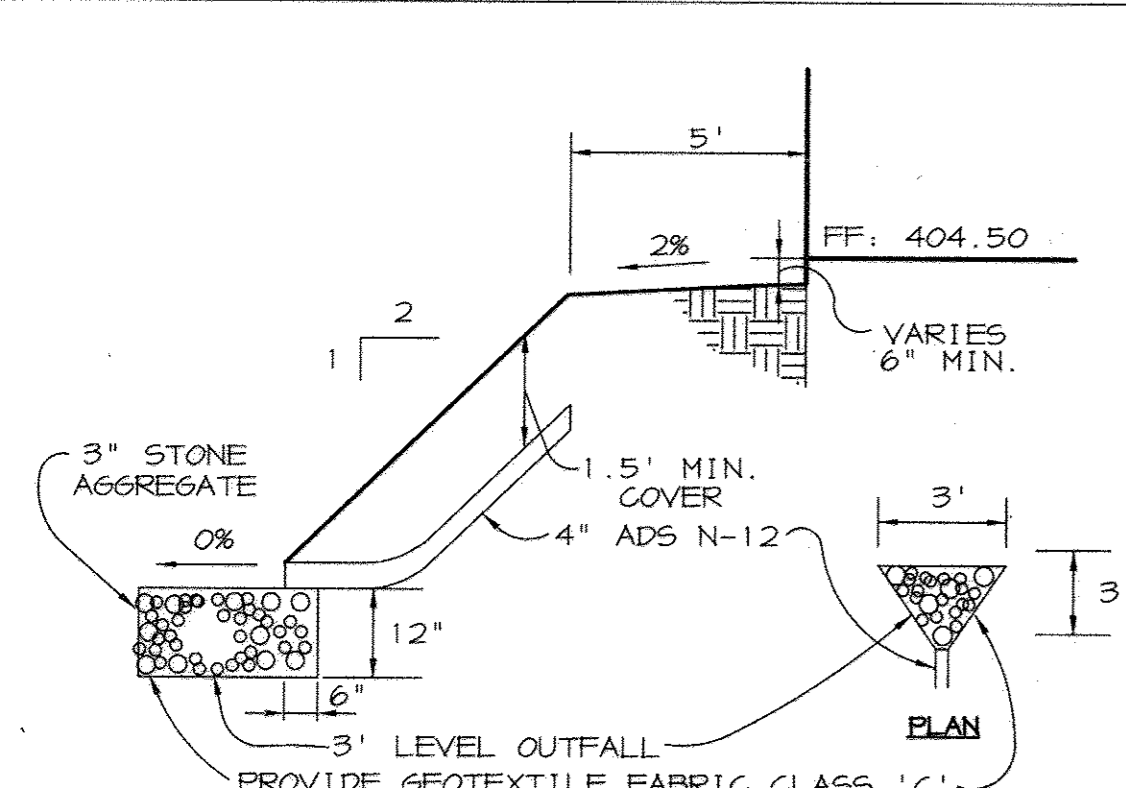
10.18.96	DATE
DESIGNED BY: A.A.P.	
DRAWN BY: WEJ	
PROJECT NO: 96_001/ SDP_C-1.DWG	
DATE: October 18, 1996	
SCALE: 1" = 30'	
DRAWING NO. 1 OF 7	

SOP-96-152

PROPOSED BUILDING



EXPANSION / CONTROL JOINT LOCATION
NO SCALE



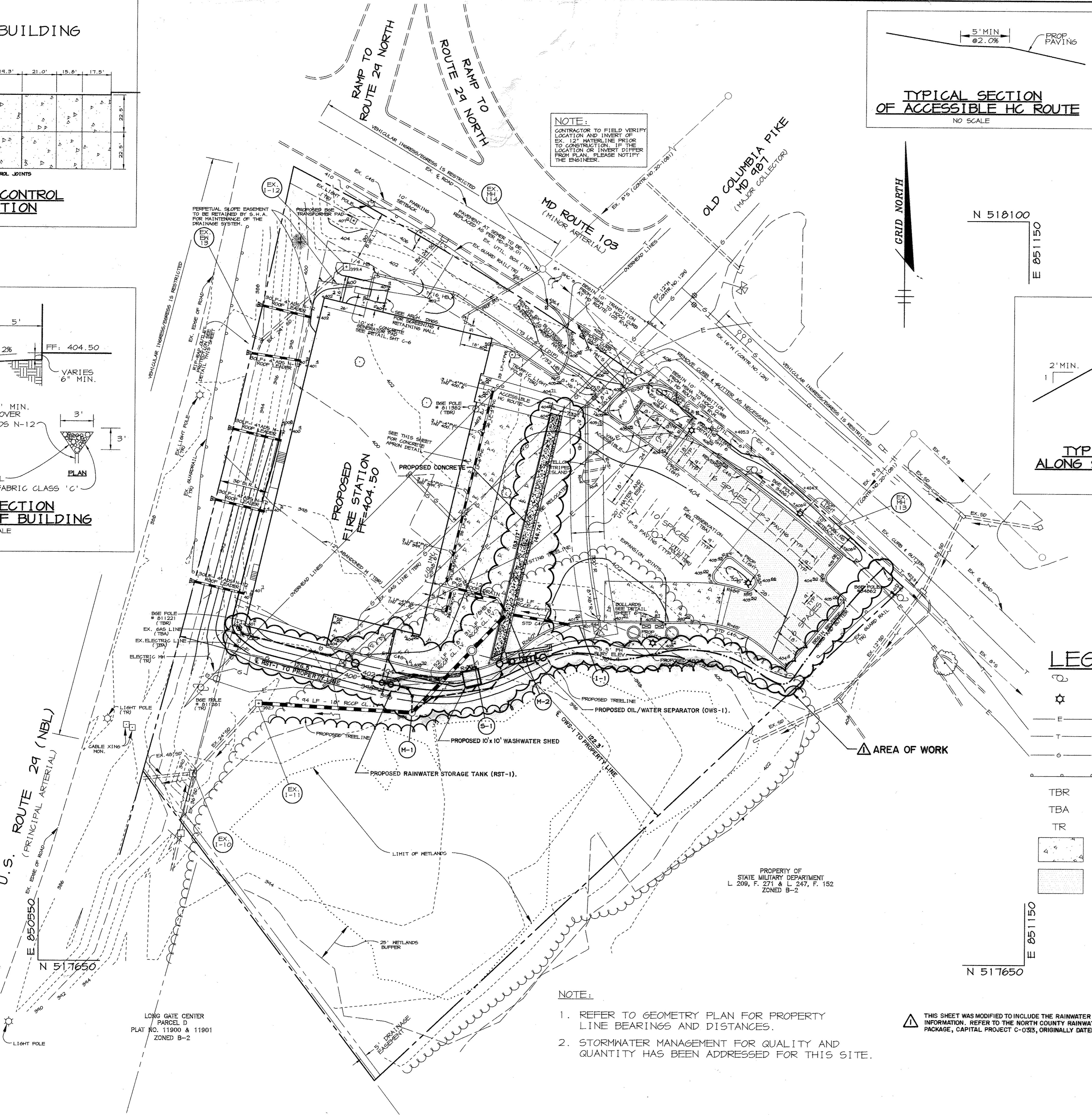
TYPICAL SECTION ALONG BACK OF BUILDING
NO SCALE

PROFESSIONAL CERTIFICATE
I HEREBY CERTIFY THAT THE INFORMATION CLOUSED AND LISTED UNDER REVISION #1 ON THIS DOCUMENT WAS PREPARED OR APPROVED BY ME.

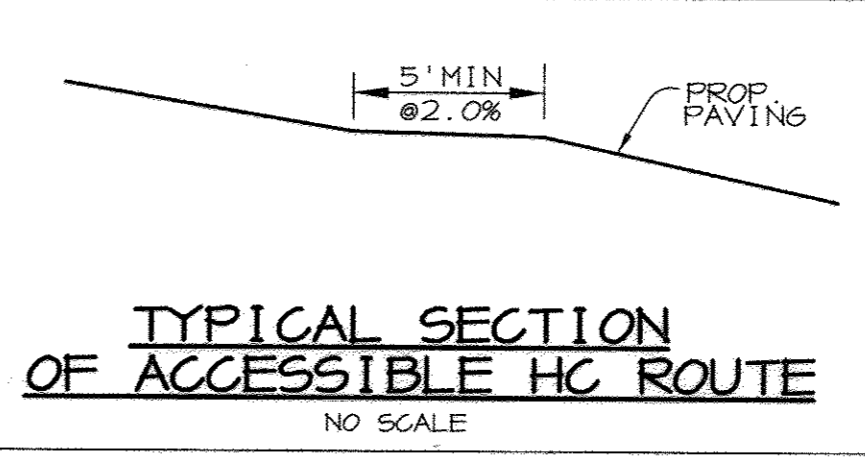
Joseph P. Morse
6-10-16

LEGEND

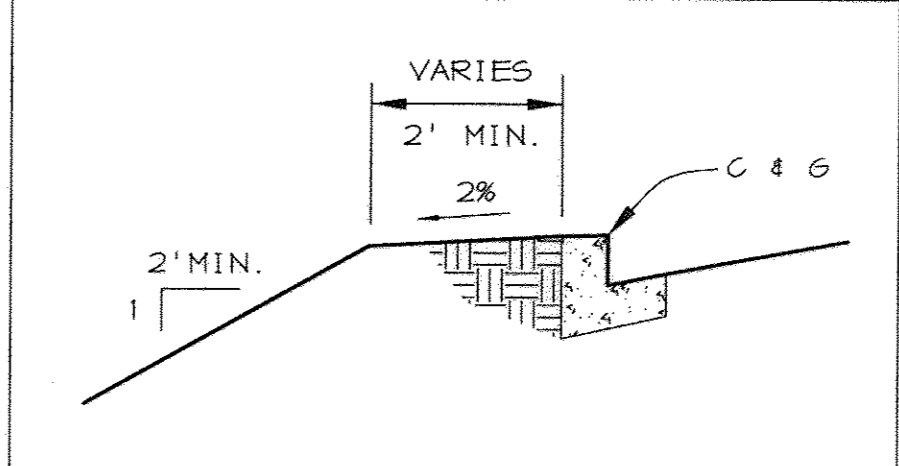
- UTILITY POLE
- PROPOSED LIGHT POLE
- ELECTRIC LINE
- BELL ATLANTIC LINE
- GAS LINE
- GUARD RAIL
- TBR TO BE REMOVED
- TBA TO BE ABANDONED
- TR TO REMAIN
- CONCRETE PAD
- P-2 PAVING



NOTE:
CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT OF EX. 12" WATERLINE PRIOR TO CONSTRUCTION. IF THE LOCATION OR INVERT DIFFERS FROM PLAN, PLEASE NOTIFY THE ENGINEER.



TYPICAL SECTION OF ACCESSIBLE HC ROUTE
NO SCALE



TYPICAL SECTION ALONG SOUTH CURB LINE
NO SCALE

WATER & SEWER QUANTITIES

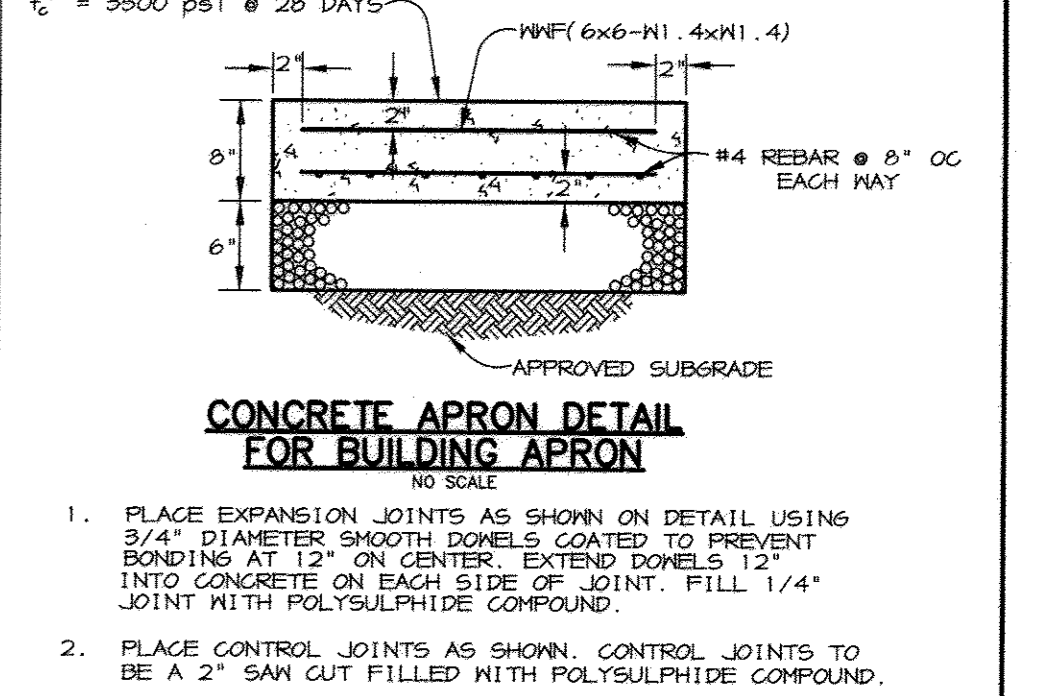
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
8" WATER	161 LF			
6" WATER	166 LF			
FIRE HYDRANTS	1 EA.			
8" VALVES	1 EA.			
6" VALVES	1 EA.			
12" X 8" REDUCER	1 EA.			
8" X 6" REDUCER	1 EA.			
8" X 6" TEE	1 EA.			
8"-1/8 HB	1 EA.			
6"-1/4 HB	1 EA.			
6"-1/16 HB	1 EA.			
6"-1/32 HB	1 EA.			
6" SEWER	60 LF			

NAME OF UTILITY CONTRACTOR:

CHECKBOX

AS-BUILT DATE

SURVEY AND DRAFTING DIVISION



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Richard Blum 11-14-96
CHIEF, BUREAU OF UTILITIES DATE

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

Joyce M. Bandy 11/13/96
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

James S. Satter 11/12/96
DIRECTOR DATE

Michael Blum 11/5/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

6/10/16 REDLINE REVISION - SEE NOTE

DATE NO. REVISION

OWNER / DEVELOPER
HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3450 COURT HOUSE DRIVE
ELLCOTT CITY, MD 21043

PROJECT **SECOND DISTRICT FIRE STATION**

AREA TAX MAP 24 BLOCK 23424 ZONED B-2
2nd ELECTION DISTRICT, PARCEL A-2
HOWARD COUNTY, MARYLAND

TITLE **SITE DEVELOPMENT PLAN**

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282

10-18-96 DATE

DESIGNED BY: A.A.P.

DRAWN BY: WEJ

PROJECT NO: 96_001/
SDP_C-2.DWG

DATE: October 18, 1996

SCALE: 1"=30'

DRAWING NO. 2 OF 7

NOTE:

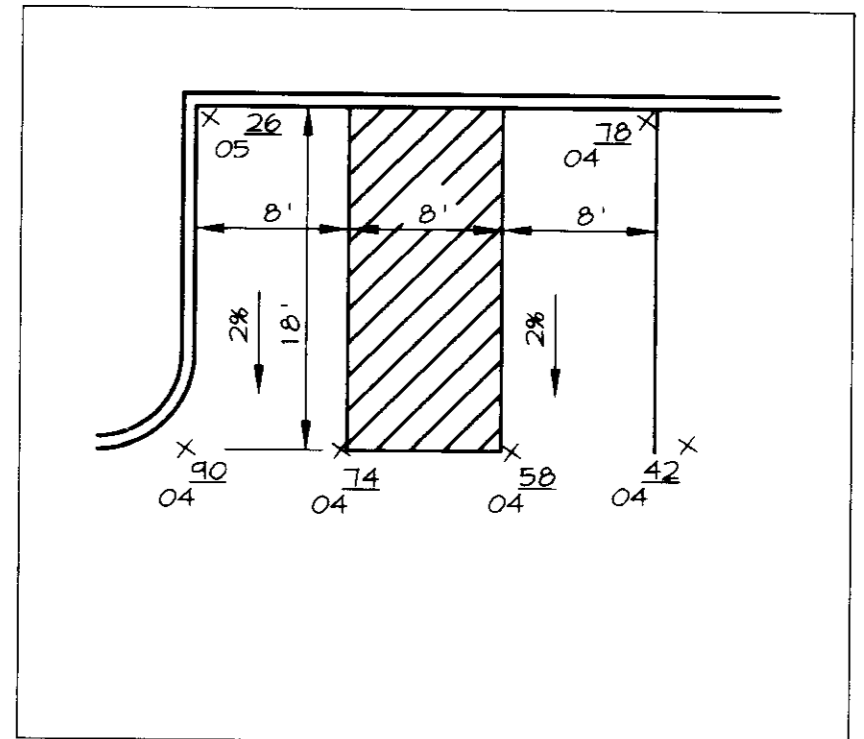
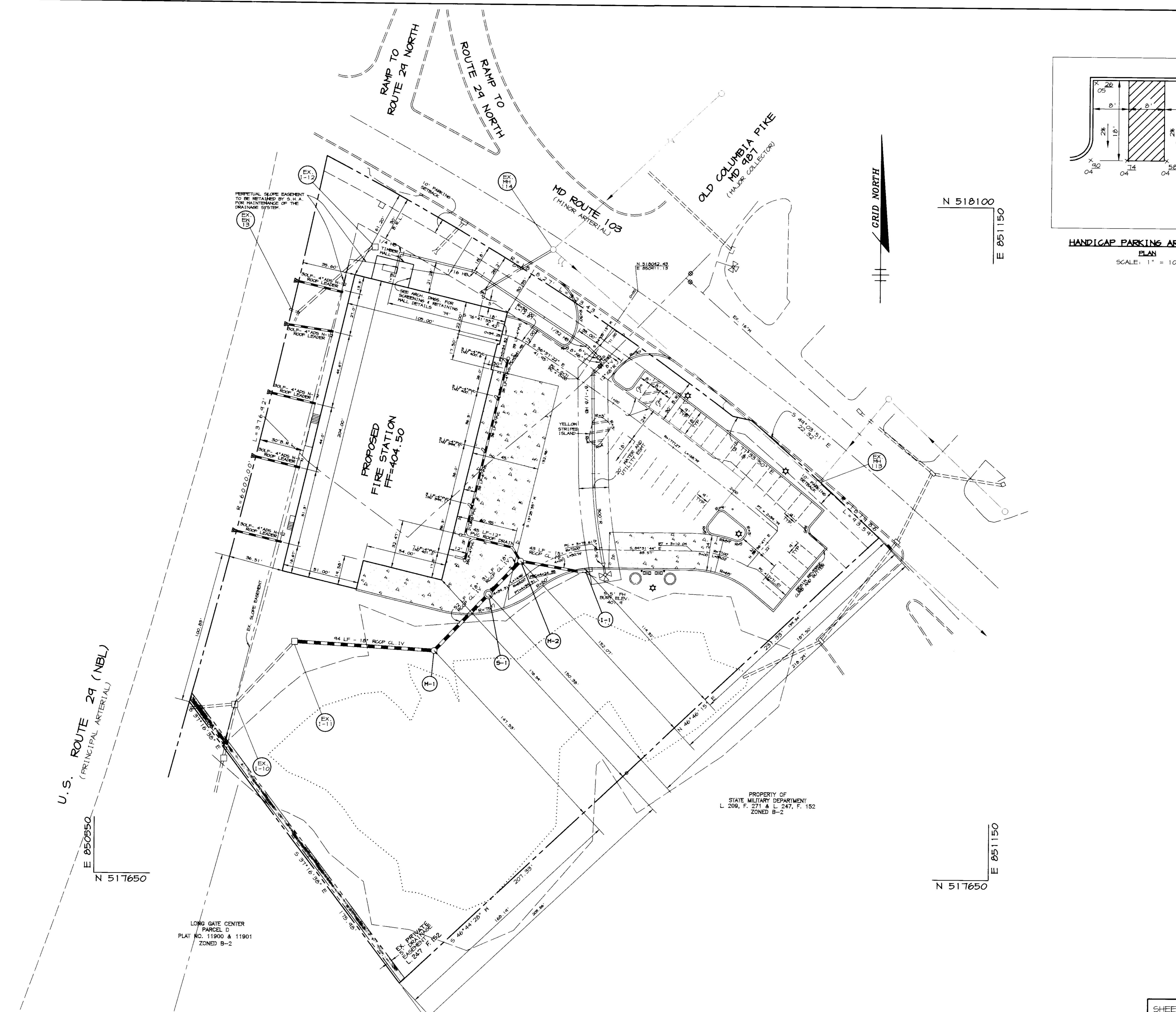
- REFER TO GEOMETRY PLAN FOR PROPERTY LINE BEARINGS AND DISTANCES.
- STORMWATER MANAGEMENT FOR QUALITY AND QUANTITY HAS BEEN ADDRESSED FOR THIS SITE.

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-033, ORIGINALLY DATED NOVEMBER 2013 (LATEST REVISION).

SHEET C-2

J. Saucedo
JAYKANT D. PAREKH #19148

SDP 96-152



HANDICAP PARKING AREA DETAIL
PLAN
SCALE: 1" = 10'

APPROVED : HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>R. H. Benin</i>	11-14-96
CHIEF, BUREAU OF UTILITIES	DATE
APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
<i>W. M. Boyd</i>	11/12/96
COUNTY HEALTH OFFICER	DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James R. ...</i>	11/15/96
DIRECTOR	DATE
<i>...</i>	11/5/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>Richard Blood</i>	11/15/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH	DATE
DATE NO.	REVISION
OWNER / DEVELOPER HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 3450 COURT HOUSE DRIVE ELLICOTT CITY, MD 21043	
PROJECT SECOND DISTRICT FIRE STATION	
AREA TAX MAP 24 BLOCK 23424 ZONED B-2 2nd ELECTION DISTRICT, PARCEL A-2 HOWARD COUNTY, MARYLAND	
TITLE GEOMETRY PLAN	
RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282	
10-18-96	DATE
<i>J. ...</i>	DESIGNED BY : A.A.P.
<i>J. ...</i>	DRAWN BY : WEJ
<i>J. ...</i>	PROJECT NO : 96_001/ SDP_C-3.DWG
<i>J. ...</i>	DATE: October 18, 1996
<i>J. ...</i>	SCALE : 1" = 30'
<i>J. ...</i>	DRAWING NO. 3 OF 7

SHEET
C-3

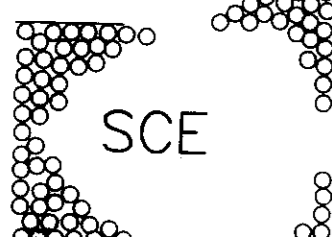





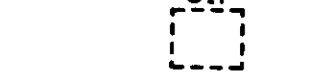
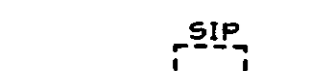
SDP.96.152

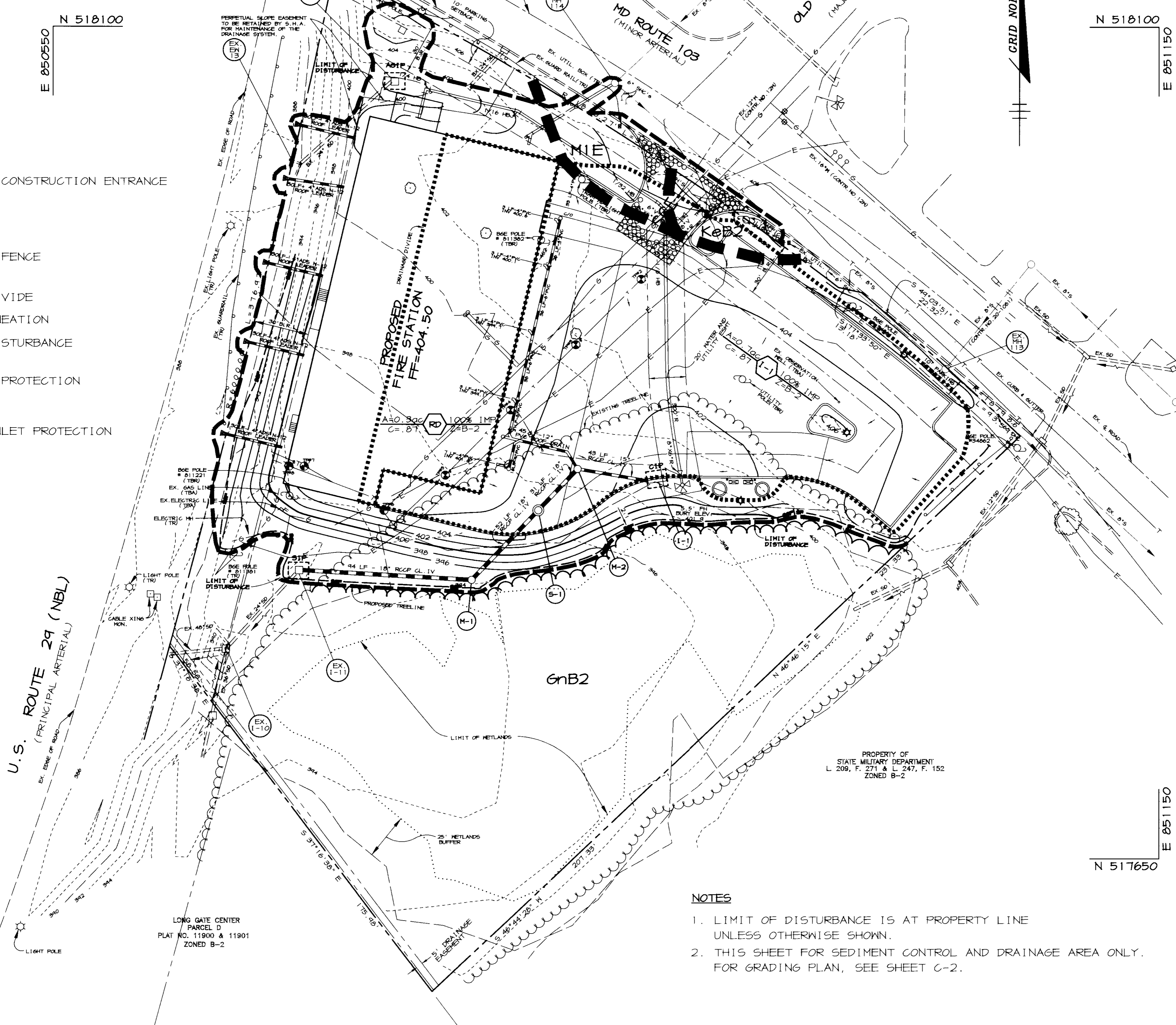
SITE SOILS

NAME	SYMBOL	HYDROLOGIC SOIL GROUP
• GLENVILLE	GnB2	C
• KELLY	KeB2	D
• MANOR	M1E	B

* HYDRIC INCLUSIONS

LEGEND

-  STABILIZED CONSTRUCTION ENTRANCE
-  SUPER SILT FENCE
-  SILT FENCE
-  DRAINAGE DIVIDE
-  SOILS DELINEATION
-  LIMIT OF DISTURBANCE
-  CURB INLET PROTECTION
-  STANDARD INLET PROTECTION



- NOTES**
- LIMIT OF DISTURBANCE IS AT PROPERTY LINE UNLESS OTHERWISE SHOWN.
 - THIS SHEET FOR SEDIMENT CONTROL AND DRAINAGE AREA ONLY. FOR GRADING PLAN, SEE SHEET C-2.

BY THE DEVELOPER :

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Jam J. Shaw 10/12/96
DEVELOPER DATE

BY THE ENGINEER :

I 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 THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

J. Farrell 10.18.96
ENGINEER DATE

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

Cheryl Simmons 10/30/96
U.S. SOIL CONSERVATION SERVICE DATE

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

John R. Polunton 10/30/96
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Robert B. Smith 11-14-96
CHIEF, BUREAU OF UTILITIES DATE

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

Joyce M. Boydland per John 11/12/96
COUNTY HEALTH OFFICER DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James S. Smith 11/12/96
DIRECTOR DATE

John P. ... 11/12/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Richard B. ... 11/12/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

DATE	NO.	REVISION

OWNER / DEVELOPER
HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3450 COURT HOUSE DRIVE
ELLCOTT CITY, MD 21043

PROJECT
**SECOND DISTRICT
FIRE STATION**

AREA TAX MAP 24 BLOCK 23424 ZONED B-2
2nd ELECTION DISTRICT, PARCEL A-2
HOWARD COUNTY, MARYLAND

TITLE
**SEDIMENT CONTROL PLAN
AND DRAINAGE AREA MAP**

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282

10.18.96
DATE

DESIGNED BY : A.A.P.
DRAWN BY : WEJ
PROJECT NO : 96_001/
SDP_C-4.DWG
DATE: October 18, 1996
SCALE : 1" = 30'
DRAWING NO. 4 OF 7

SHEET
C-4
J. Farrell
JAYKANT D. PAREKH #19148

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed 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. per 1000 sq.ft.).

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual ryegrass (3.2 lbs. per 1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of creeping lovegrass (0.07 lbs. per 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. per 1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gal. per acre (5 gal. per 1000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 3" or higher, use 347 gal. per acre (8 gal. per 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 three inches of soil by raking, discing 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 (42 lbs. per 1000 sq. ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (4 lbs. per 1000 sq. ft.).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (42 lbs. per 1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs. per 1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.05 lbs. per 1000 sq. ft.) of creeping lovegrass. During the period October 16 thru February 28, protect site by one of the following options:

- 1) 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
- 2) Use sod.
- 3) Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw.

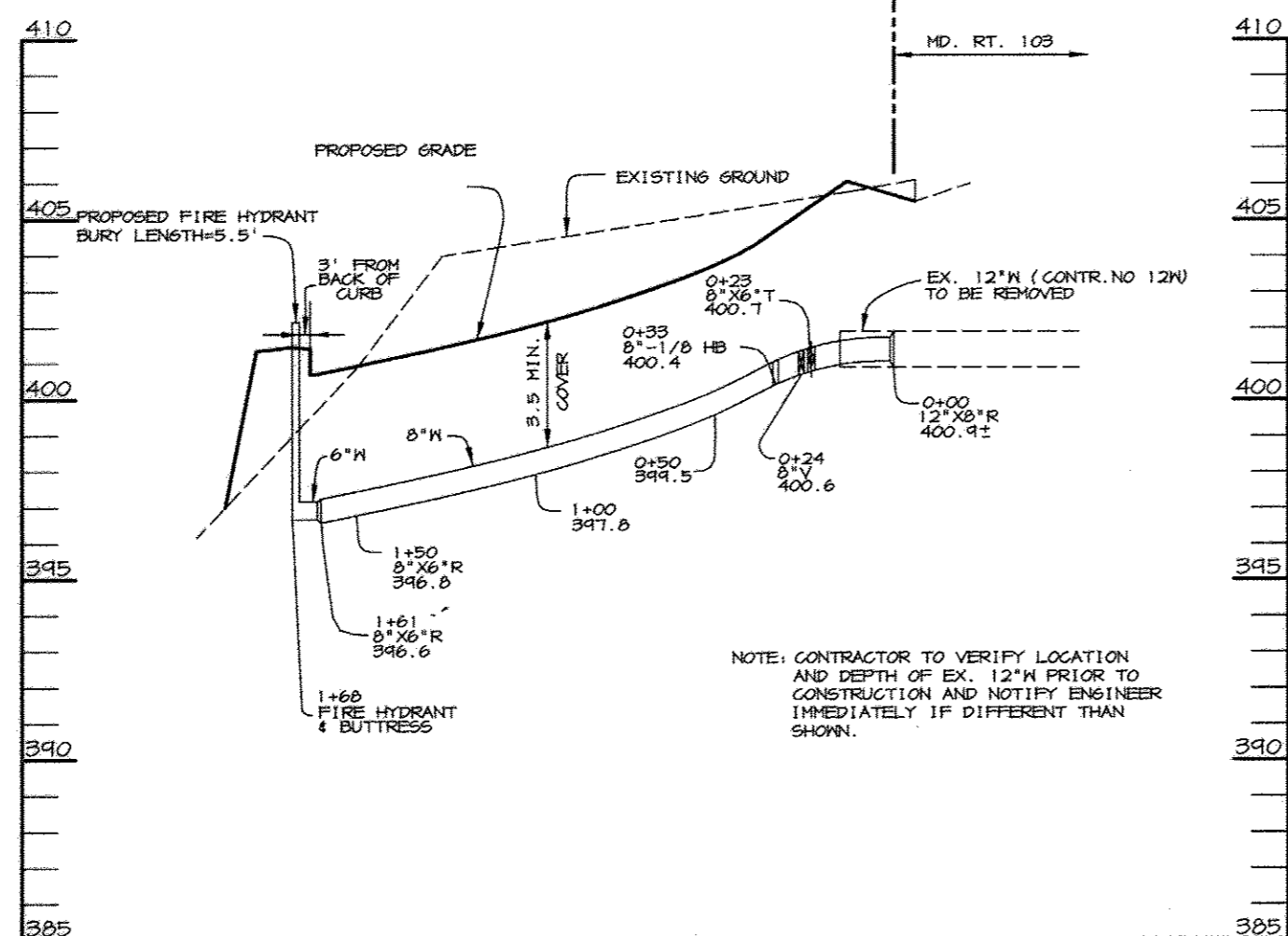
Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gal. per acre (5 gal. per 1000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 3" or higher, use 347 gal. per acre (8 gal. per 1000 sq. ft.) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseedings.

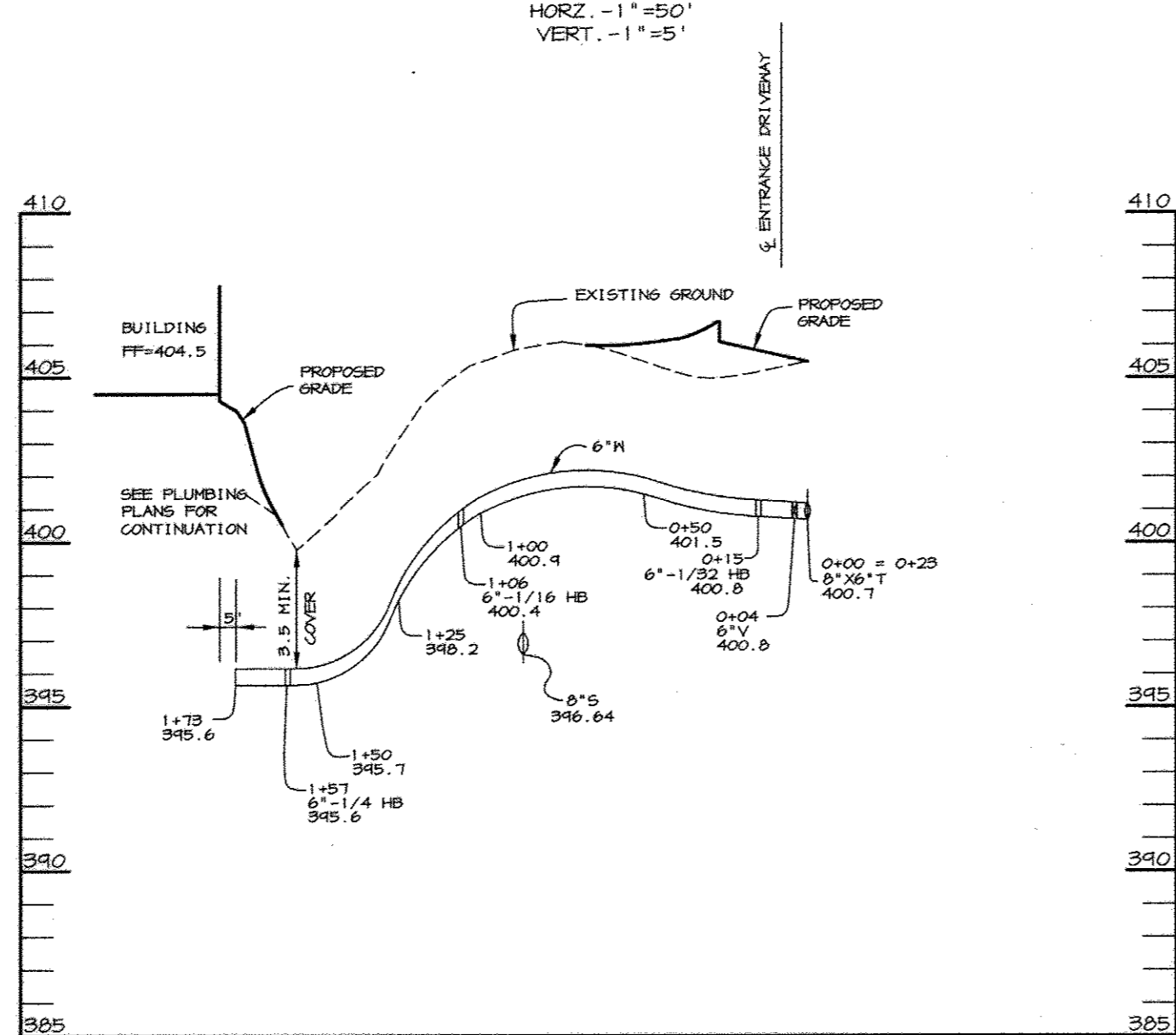
SEDIMENT CONTROL NOTES

1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
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 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL, AND REVISIONS THERE TO.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A) CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND MARKING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1981 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL FOR PERMANENT SEEDINGS (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:

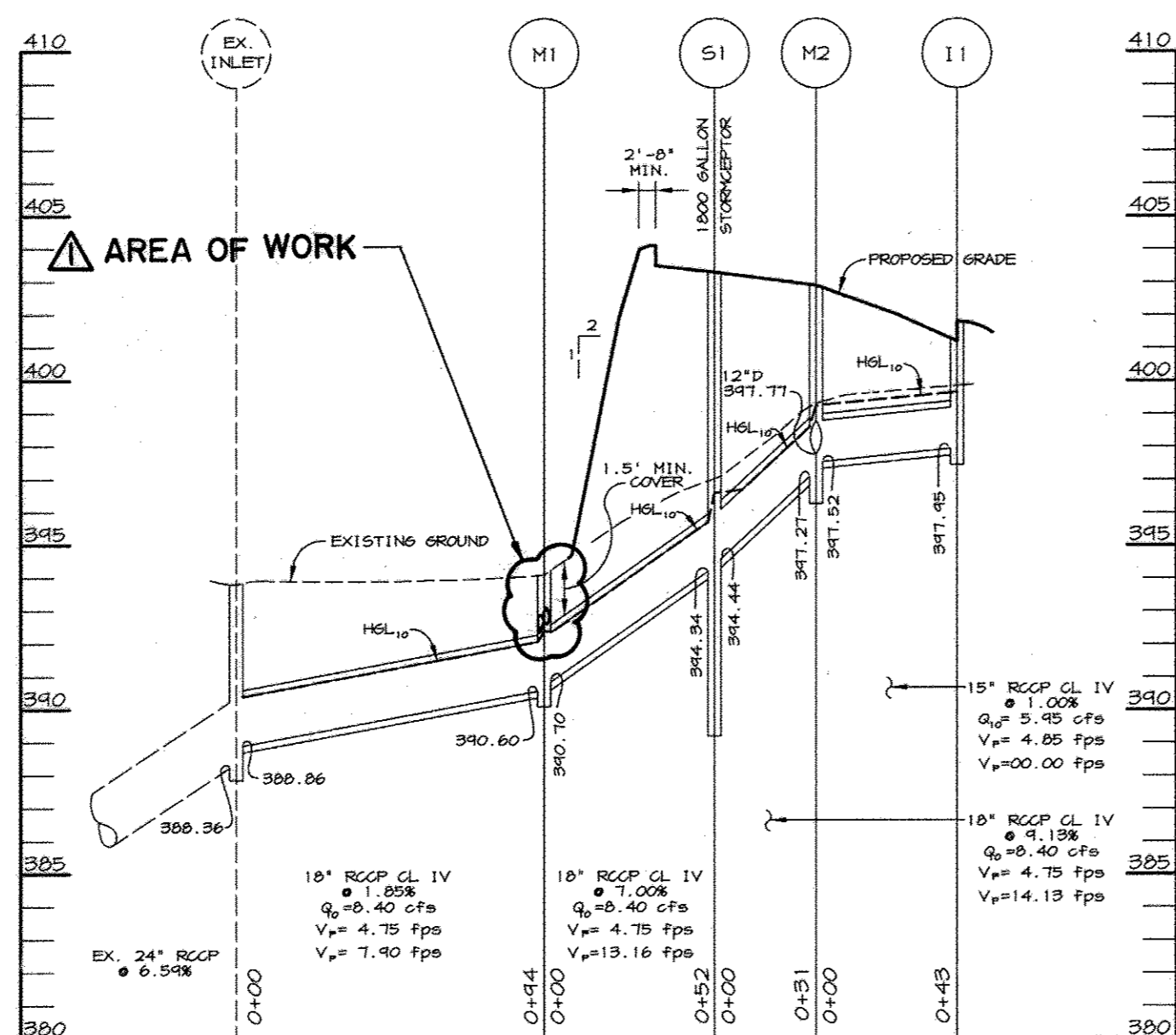
TOTAL AREA OF SITE	3.08 ACRES
AREA ON-SITE DISTURBED	1.64 ACRES
AREA OFF-SITE DISTURBED	0.00 ACRES
AREA TO BE ROOFED OR PAVED	1.14 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.50 ACRES
TOTAL CUT	667 CU. YARDS
TOTAL FILL	3627 CU. YARDS
8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
10. SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
11. SEDIMENT WILL BE REMOVED FROM TRAPS WHEN ITS DEPTH REACHES CLEAN OUT ELEVATION SHOWN ON THE PLANS.
12. CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN TOPSOIL, STRUCTURAL FILL OR EMBANKMENT MATERIAL, NOR DO THEY REFLECT CONSIDERATION OF UNDERCUTTING OR REMOVAL OF UNSUITABLE MATERIAL. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH MAY AFFECT THE WORK.
13. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 AC., 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.
14. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
15. BORROW SITE TO BE PRE-APPROVED BY THE SEDIMENT CONTROL INSPECTOR, OR IN CASE OF EXCESS MATERIAL, AN APPROVED SEDIMENT CONTROL PLAN WILL BE NEEDED TO DEPOSIT EXCESS OFF-SITE.



WATER SERVICE AND FIRE HYDRANT LEAD PROFILE



WATER SERVICE PROFILE



STORM DRAIN PROFILE

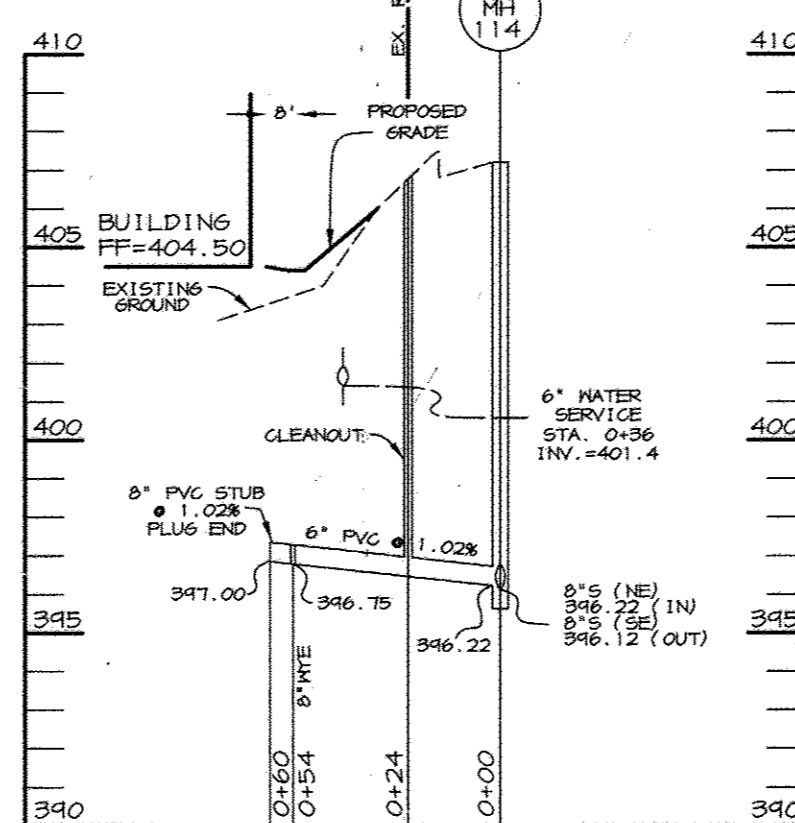
WATER MAIN FITTING LOCATION SCHEDULE

FIRE HYDRANT LEAD		
FITTING	WATER LINE STATION	COORDINATES
12" x 8" R	0+15	N 517498.88 E 850842.81
8" x 6" TEE	0+23	N 517444.52 E 850888.44
8" V	0+24	N 517492.05 E 850886.00
8"-1/8 HB	0+33	N 517487.44 E 850881.42
8" x 6" R	1+61	N 517860.07 E 850889.43
FIRE HYDRANT	1+68	N 517852.42 E 850890.80

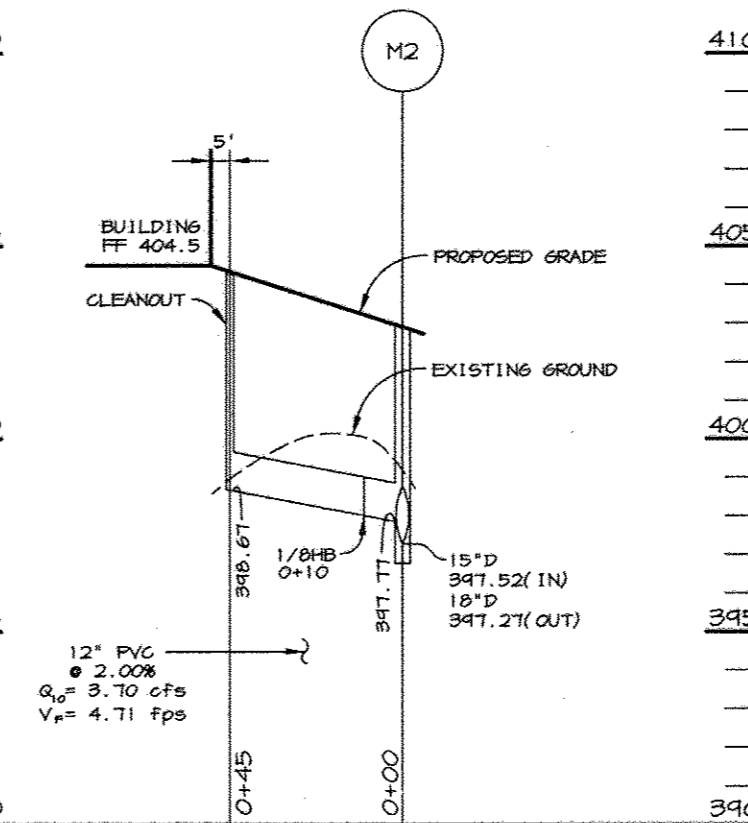
WATER SERVICE		
FITTING	WATER LINE STATION	COORDINATES
6" V	0+04	N 517497.57 E 850885.35
6"-1/32 HB	0+15	N 518004.98 E 850877.73
6"-1/16 HB	1+06	N 518054.42 E 850801.44
6"-1/4 HB	1+57	N 518066.14 E 850751.72

SEQUENCE OF CONSTRUCTION

1. OBTAIN A GRADING PERMIT AND LETTER OF AUTHORIZATION (LOA) TO DISTURB WETLAND BUFFER.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE AND SUPER SILT FENCE. (1 WEEK)
3. BEGIN ROUGH GRADING OF SITE. AS SUBGRADE ELEVATION IS REACHED, INSTALL UTILITIES AND STORM DRAINS. INSTALL INLET PROTECTION AS SHOWN. (2 WEEKS)
4. BEGIN BUILDING CONSTRUCTION. STABILIZE DISTURBED AREAS IN ACCORDANCE WITH PERMANENT AND TEMPORARY SEEDING NOTES. (3 WEEKS)
5. INSTALL CURB AND GUTTER AND PAVEMENT. (2 WEEKS)
6. COMPLETE REMAINING CONSTRUCTION. (AS NECESSARY)
7. UPON APPROVAL OF HOWARD COUNTY D.I.L.P. SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES. (2 DAYS)



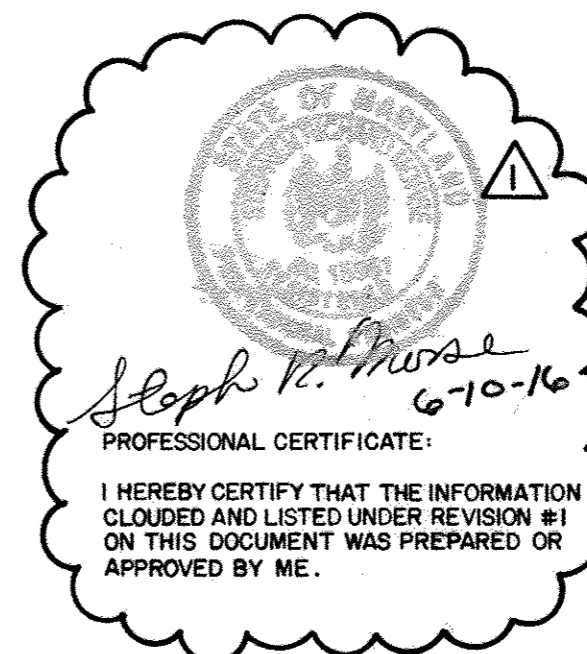
SEWER PROFILE



ROOF DRAIN PROFILE

STORM DRAIN STRUCTURE SCHEDULE

NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP CURB/ RIM ELEV.	REMARKS
I-1	A-10	SEE GEOMETRY PLAN	-	347.95	401.78	HOCO STD. DETAIL 5D 4.02
M-1	4' MH	SEE GEOMETRY PLAN	340.70	340.60	344.10	HOCO STD. DETAIL 6 5.12
M-2	4' MH	SEE GEOMETRY PLAN	347.52	347.27	402.90	HOCO STD. DETAIL 6 5.12
S-1	1800 GAL. STORMCEPTOR	SEE GEOMETRY PLAN	344.44	344.34	403.30	SEE DETAIL, SHEET C-6



BY THE DEVELOPER:

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Joseph V. Laelle 10/18/96
DEVELOPER DATE

BY THE ENGINEER:

I 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 THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

J. Laelle 10.18.96
ENGINEER DATE

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

Cheryl Simmons 10/30/96
NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John P. Roberts 10/30/96
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

R. M. B. 11-14-96
CHIEF, BUREAU OF UTILITIES DATE

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

James M. Boyd 11/23/96
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James S. Smith 11/27/96
DIRECTOR DATE

William D. ... 11/27/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Richard B. ... 11/27/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

6/10/16 REDLINE REVISIONS - SEE NOTES SHEET C-2, DRAWING 2 OF 7.

DATE NO. REVISION

OWNER / DEVELOPER
HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3450 COURT HOUSE DRIVE
ELLCOTT CITY, MD 21043

PROJECT **SECOND DISTRICT FIRE STATION**

AREA TAX MAP 24 BLOCK 23&24 ZONED B-2
2nd ELECTION DISTRICT, PARCEL A-2
HOWARD COUNTY, MARYLAND

TITLE **PROFILES AND NOTES**

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282

10.18.96
DATE

DESIGNED BY: A.A.P.

DRAWN BY: WEJ

PROJECT NO: 96-001/
SDP_C-5.DWG

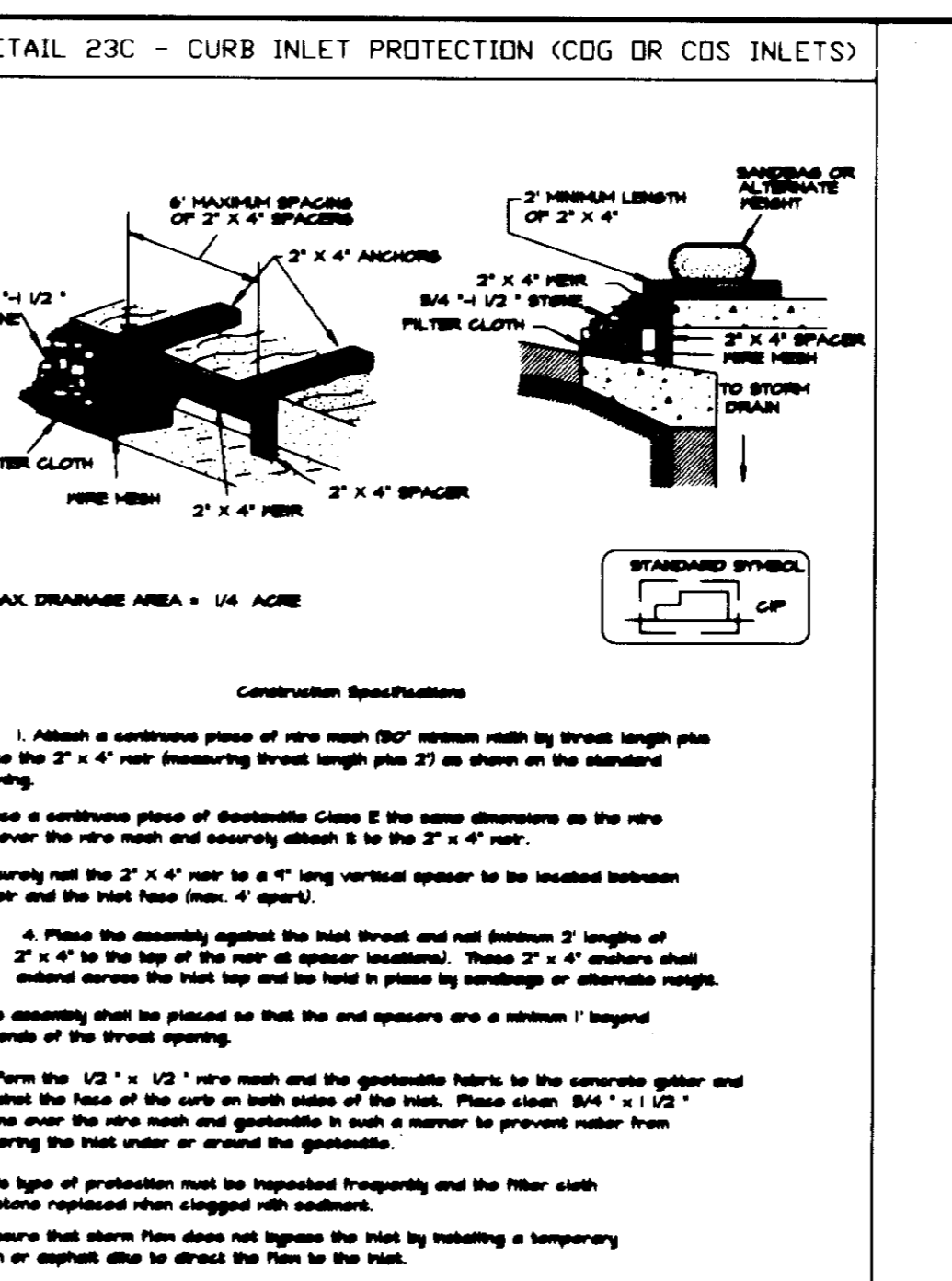
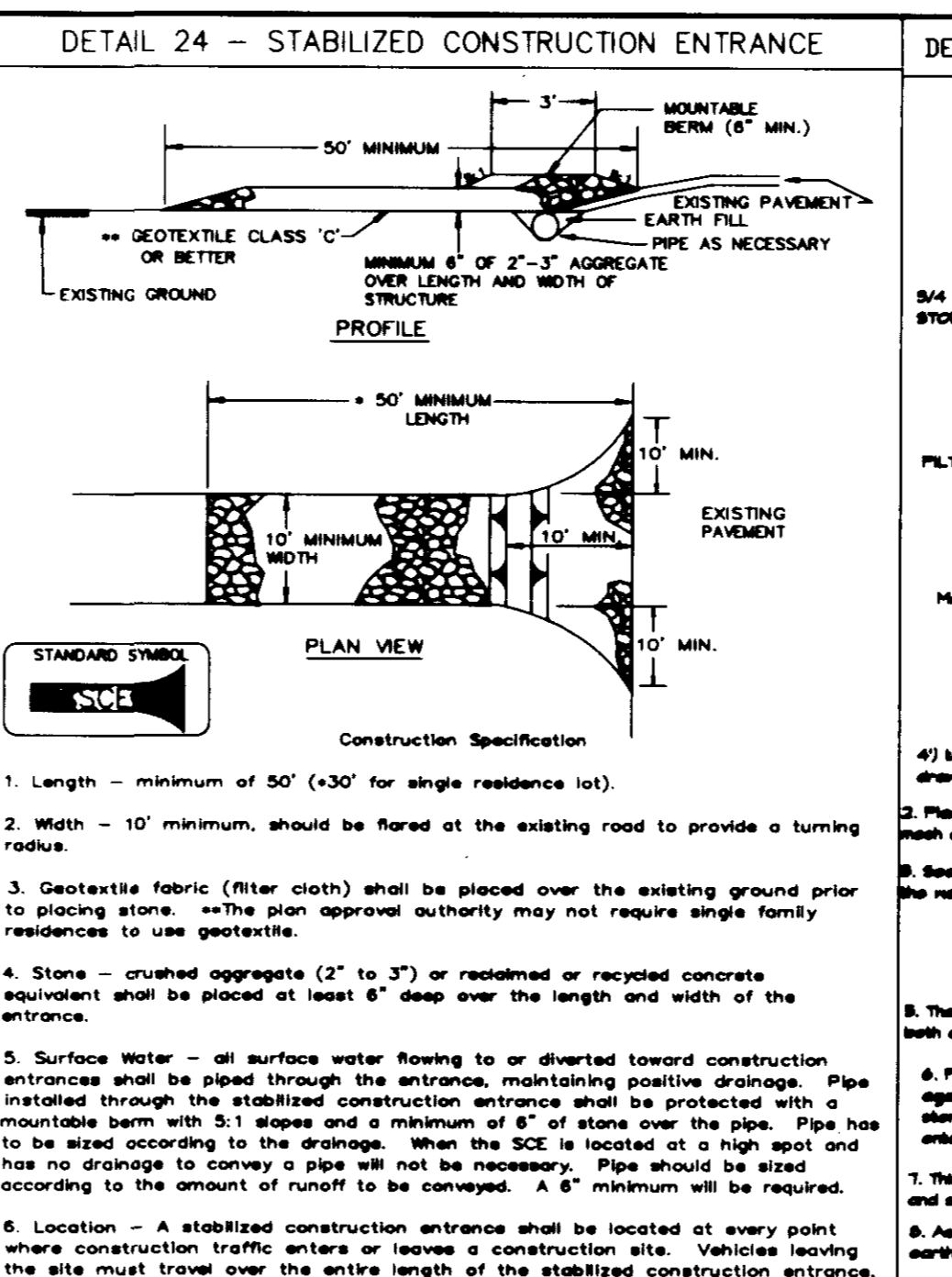
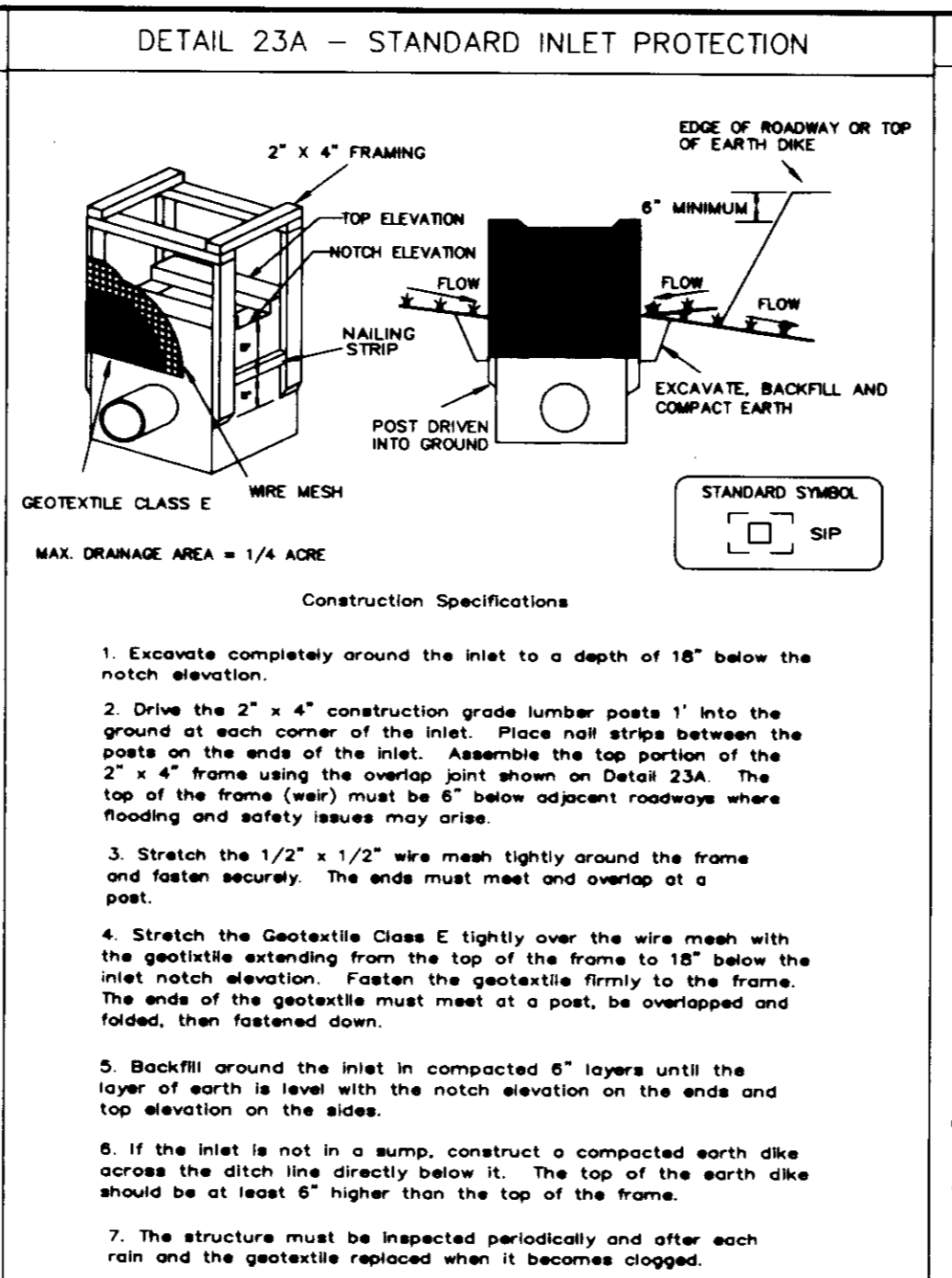
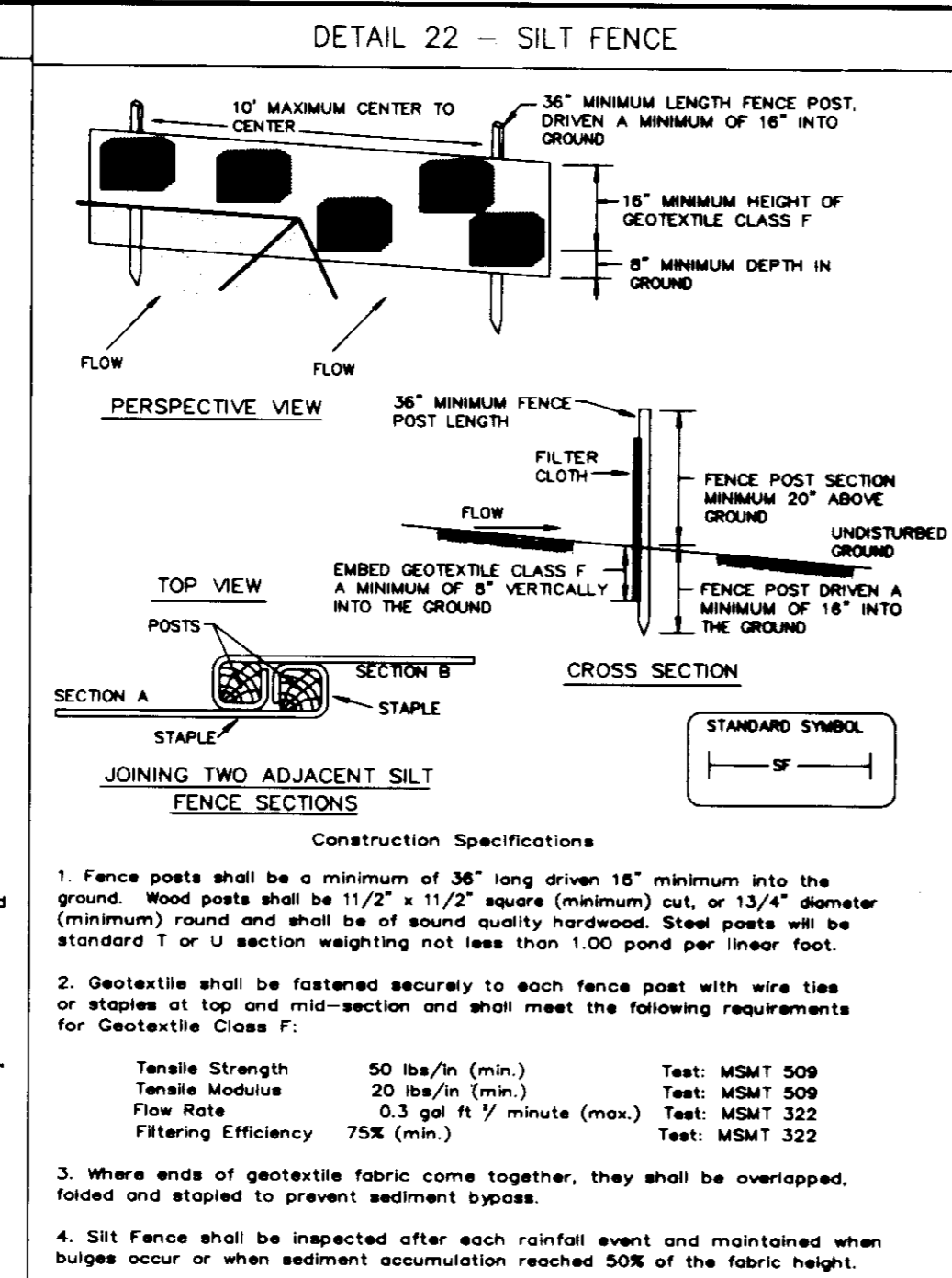
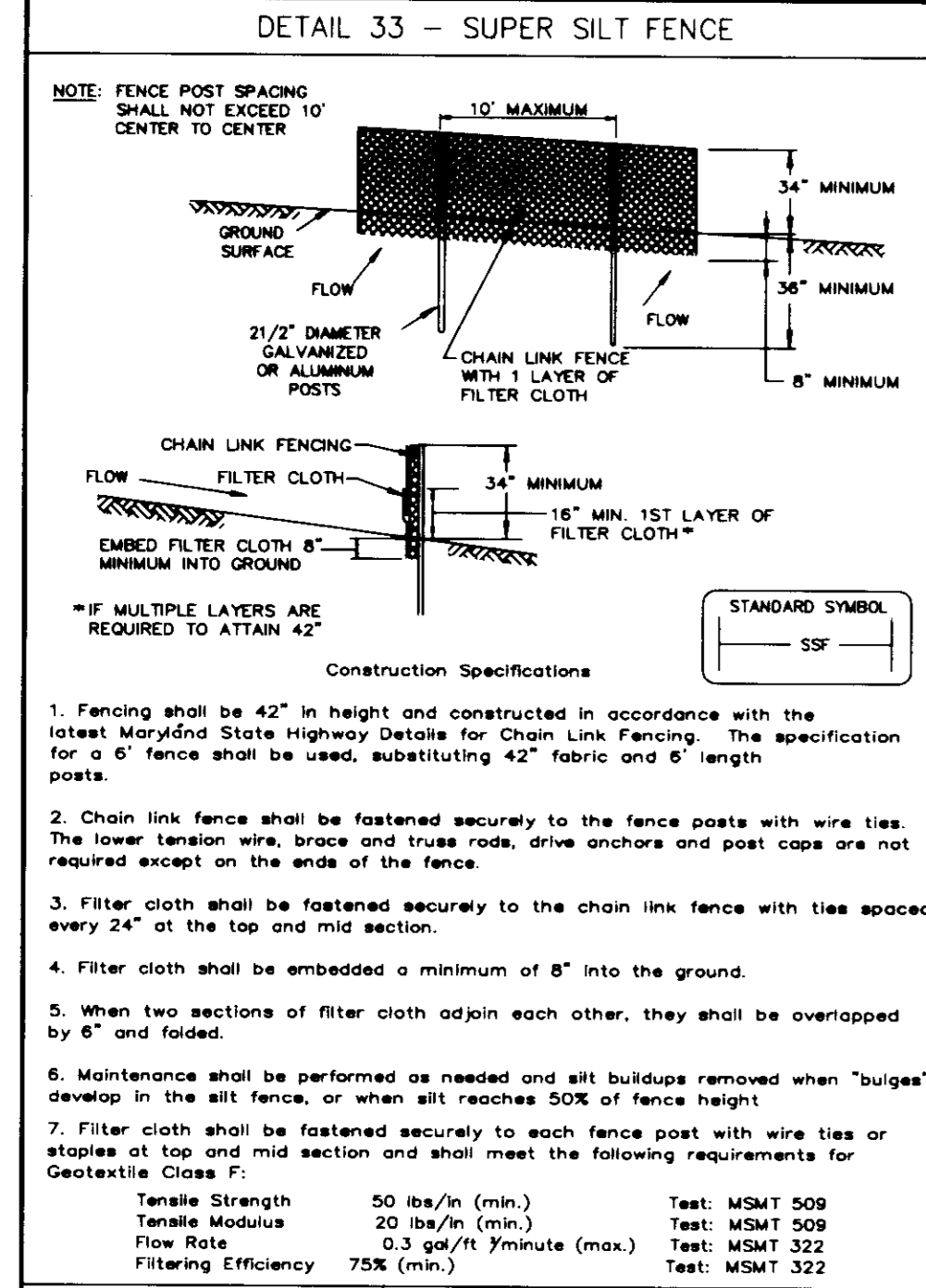
DATE: October 18, 1996

SCALE: AS SHOWN

DRAWING NO. 5 OF 7

SHEET C-5

J. Laelle
JAYKANT D. PAREKH #19148



SUPER SILT FENCE

Design Criteria

Slope	Slope Steepness	Slope Length (maximum)	Silt Fence Length (maximum)
0 - 10%	0 - 10:1	Unlimited	Unlimited
10 - 20%	10:1 - 5:1	200 feet	1,500 feet
20 - 33%	5:1 - 3:1	100 feet	1,000 feet
33 - 50%	3:1 - 2:1	50 feet	500 feet
50% +	2:1 +	50 feet	250 feet

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE H-28-3A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

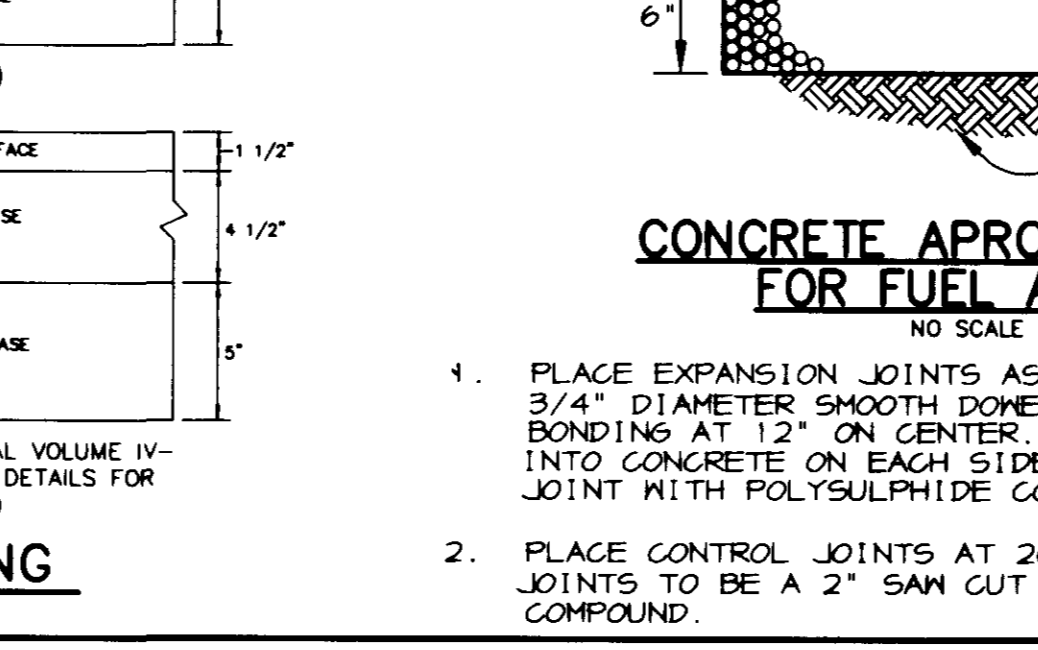
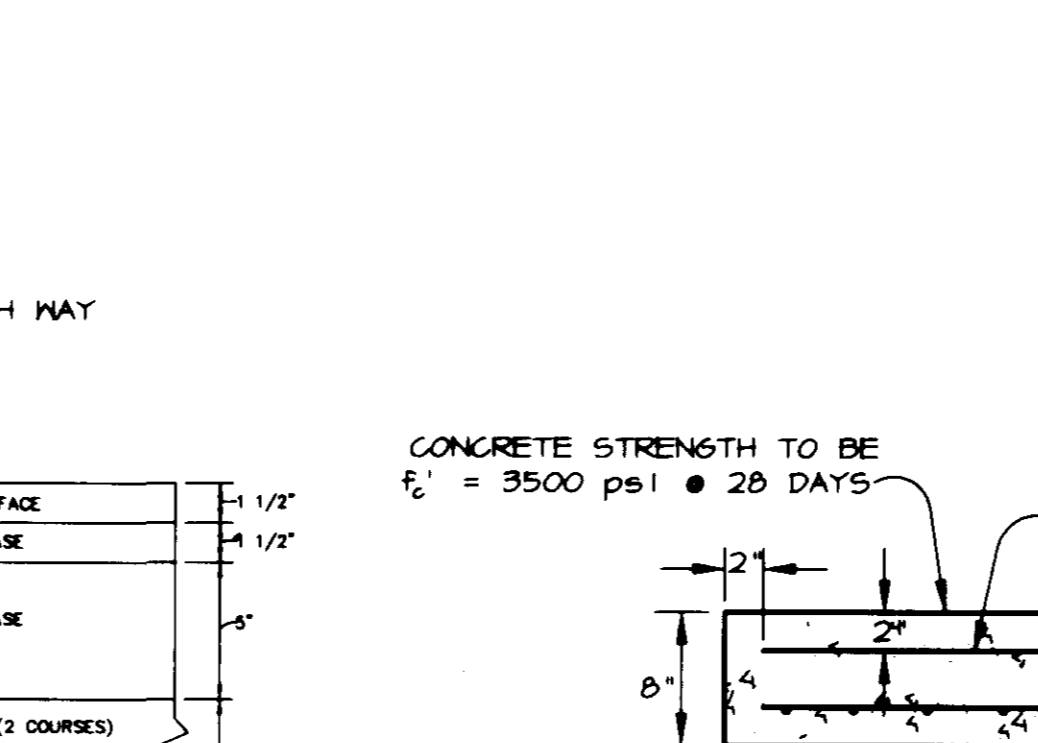
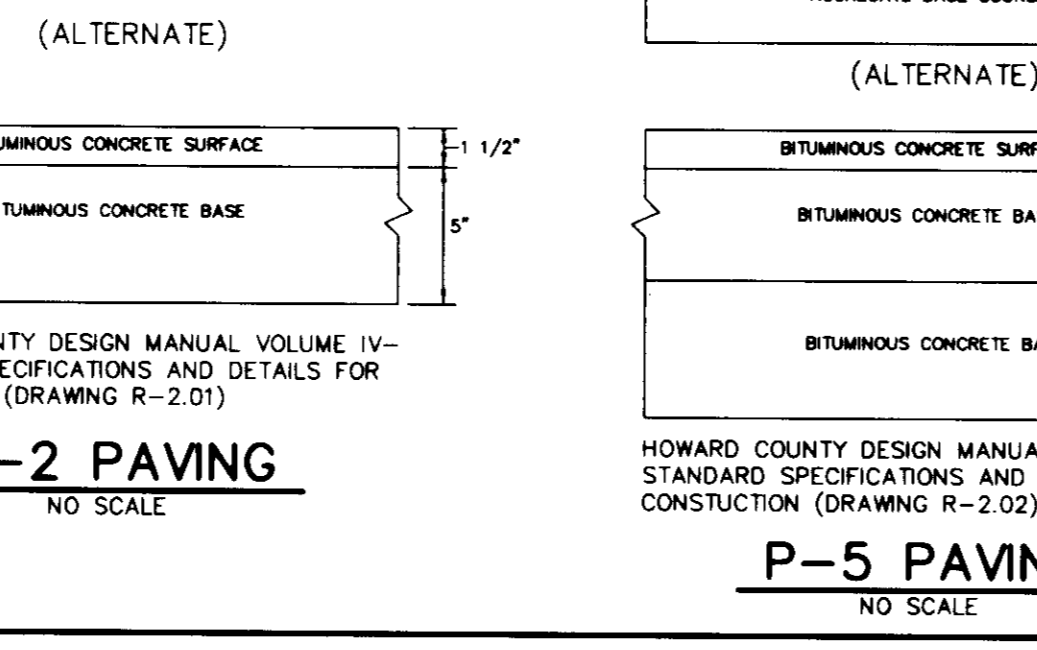
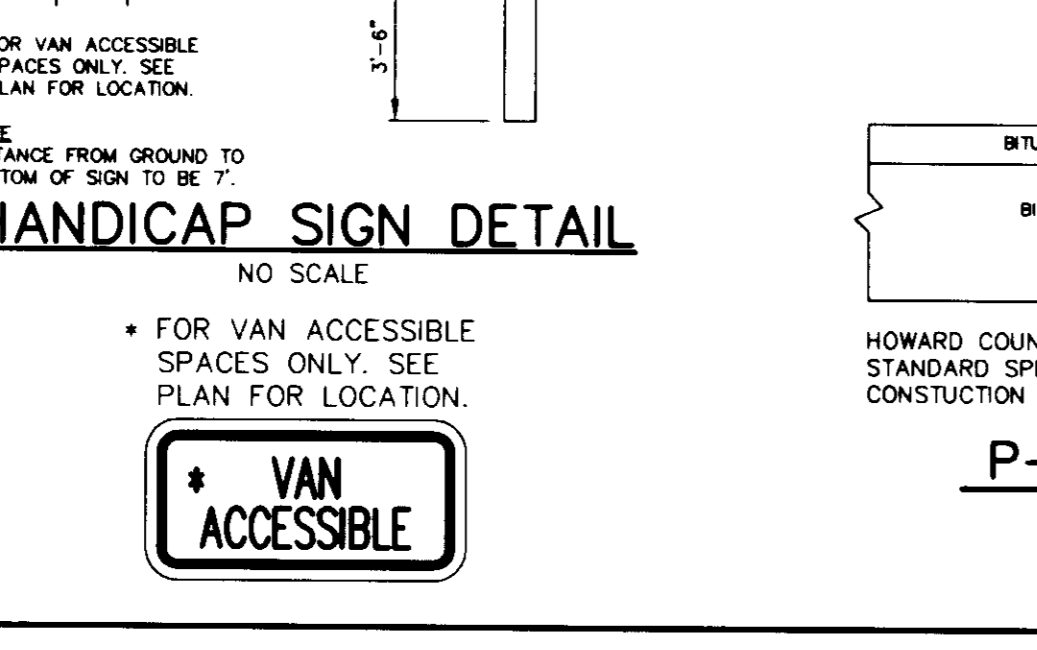
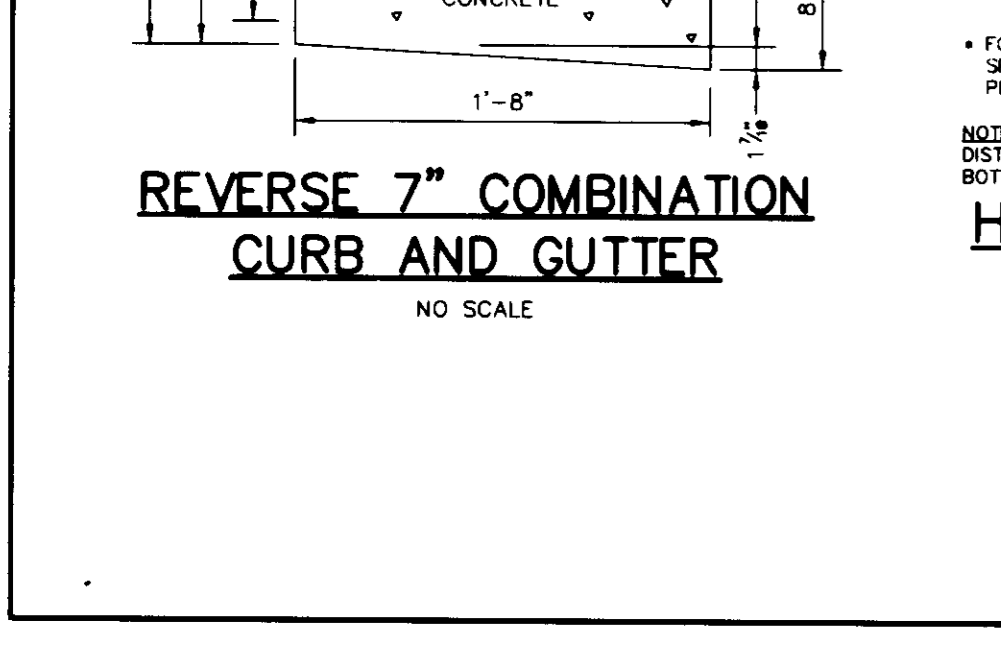
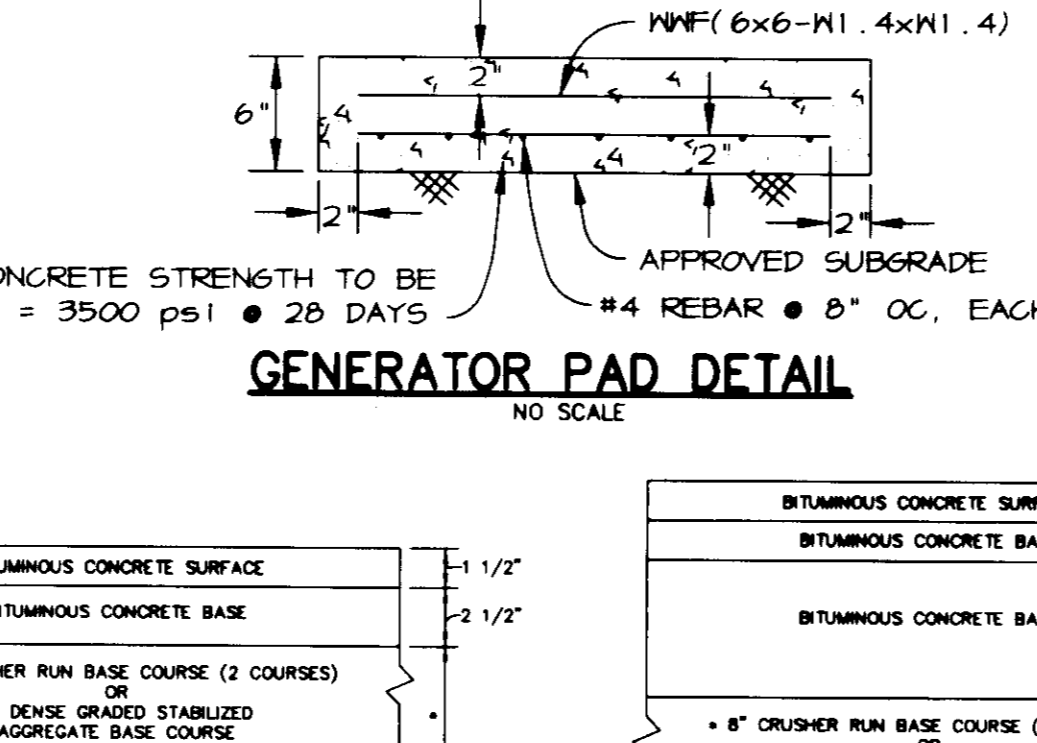
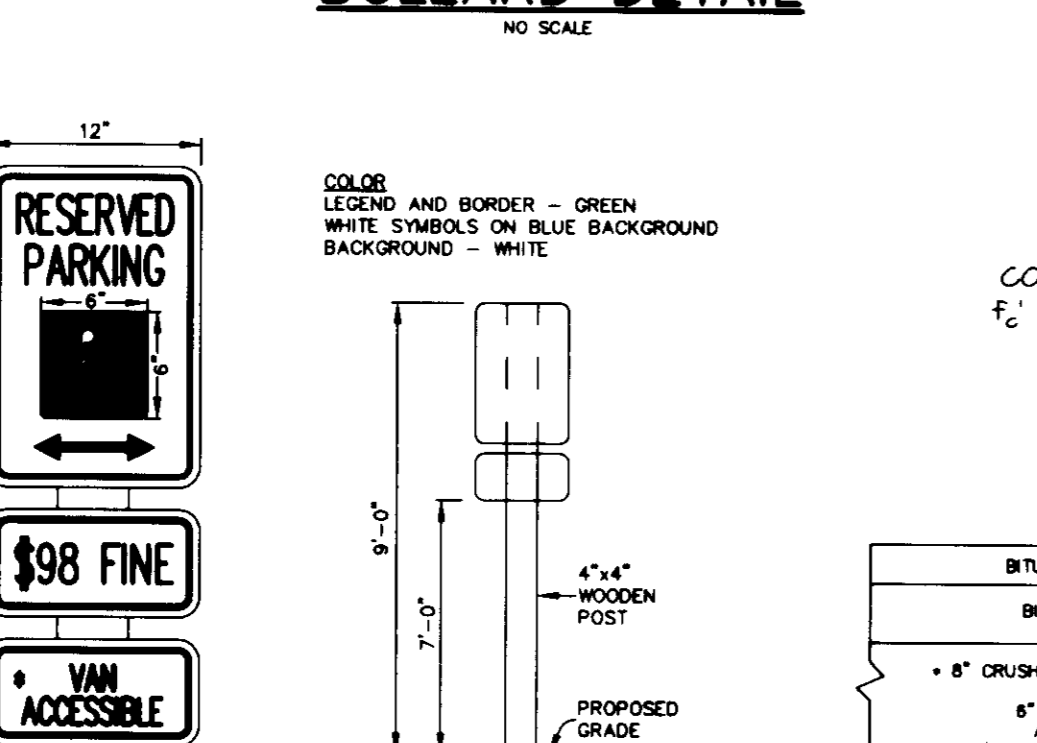
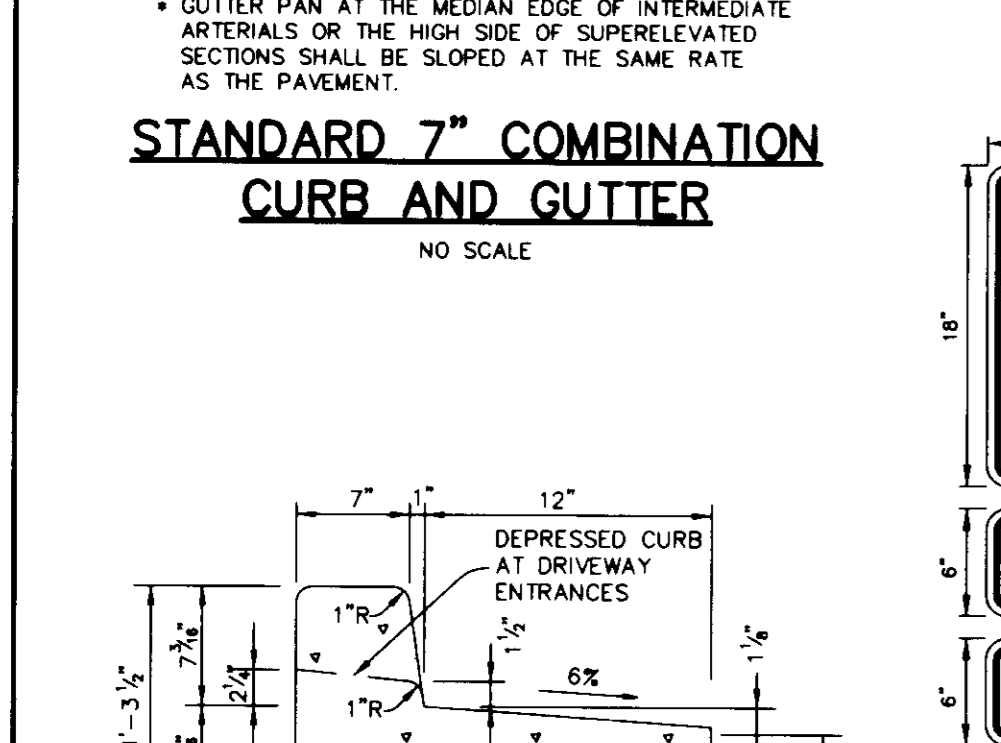
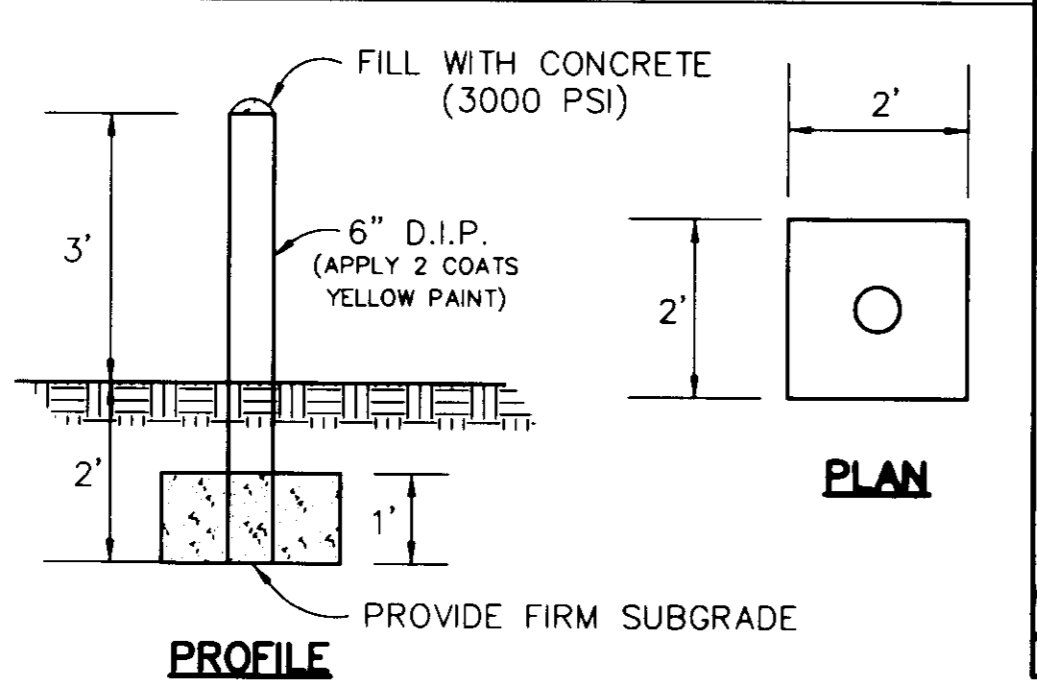
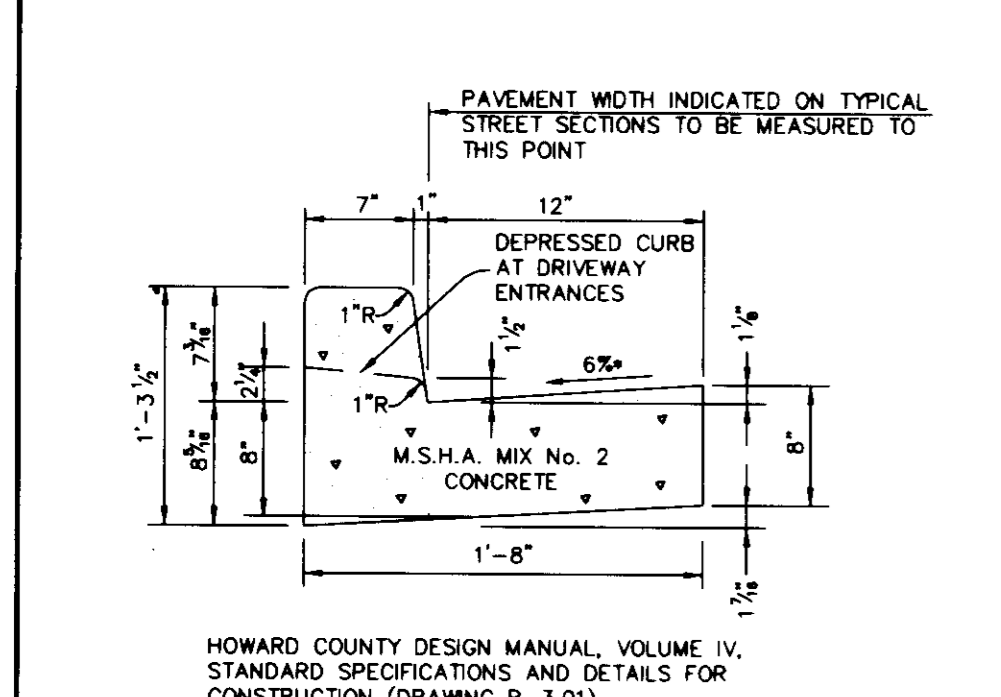
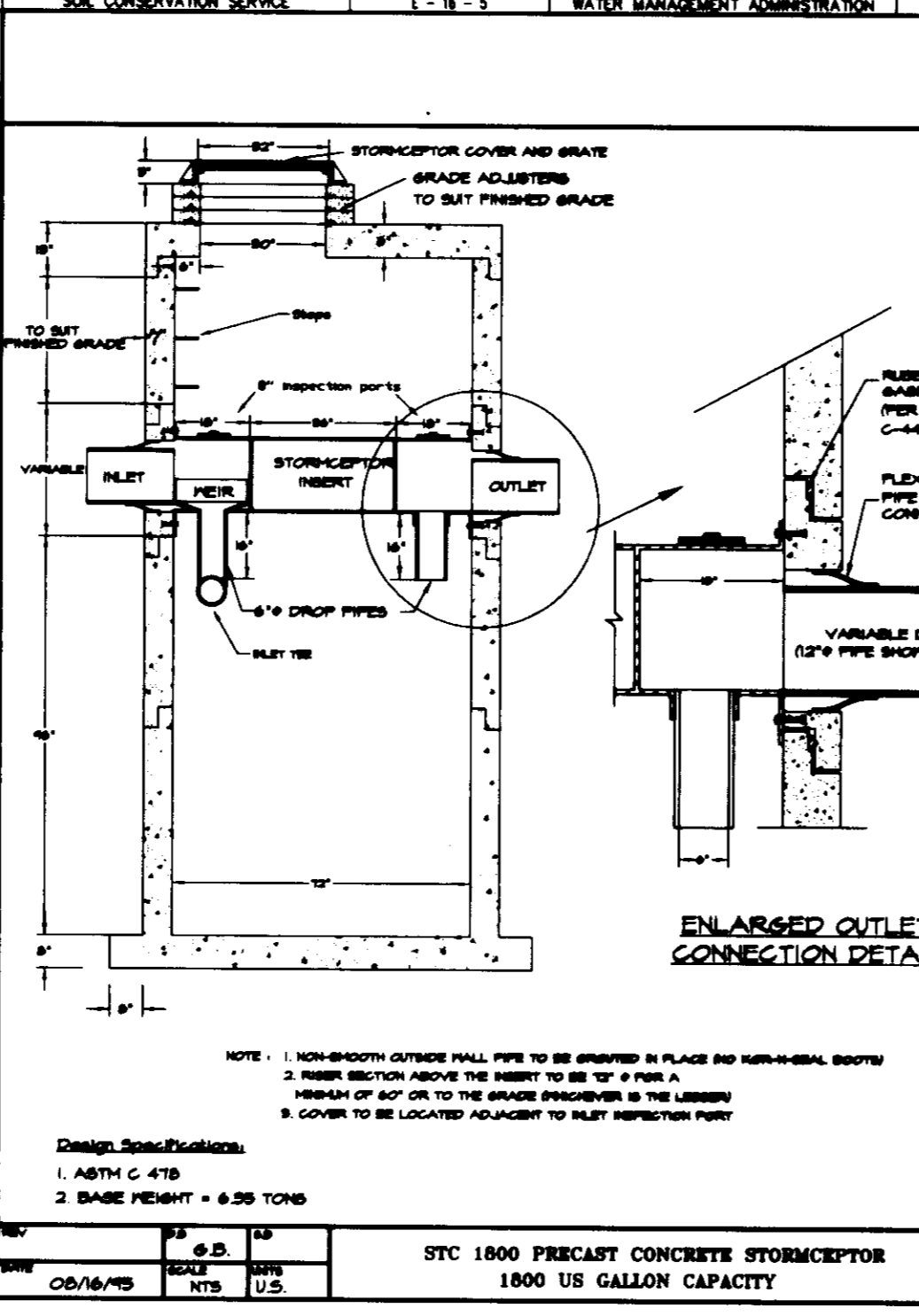
SILT FENCE

Silt Fence Design Criteria

Slope Steepness	(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	80 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% 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 may be the only perimeter control required.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-15-3A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



OPERATION AND MAINTENANCE SCHEDULE FOR STORMCEPTOR WATER QUALITY DEVICE

- Stormceptor water quality structures will require periodic inspection and cleaning to maintain operation and function. Owners will have the Stormceptor unit inspected yearly or as required by Howard County, utilizing the Stormceptor Inspection/Monitoring Form. Inspections can be done by using a clear Plexiglas tube (1" sludge judge) to extract a water column sample. When sediment depths exceed the specified level (Table 6 of Technical Manual) then cleaning of the unit is required.
- Stormceptor water quality structures must be checked and cleaned immediately after petroleum spills, contact appropriate regulatory agencies.
- Maintenance of Stormceptor units should be done by a vacuum truck which will remove the water, sediment, debris, floating hydrocarbons and other materials in water. The proper cleaning and disposal of the removed materials and liquid must be followed.
- Inlet and outlet pipes must be checked for any obstructions and if any obstructions are found, they must be removed. Structural parts of the Stormceptor will be repaired as needed.
- Owner shall retain and make Stormceptor Inspection/Monitoring Forms available to Howard County officials upon their request.

BY THE DEVELOPER:

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Jan J. Slon 10/23/96
DEVELOPER DATE

BY THE ENGINEER:

I 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 THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

J. Faehle 10/18/96
ENGINEER DATE

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

Carol Simmons 10/23/96
NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John R. Reinton 10/23/96
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

R. B. ... 11-14-96
CHIEF, BUREAU OF UTILITIES DATE

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

James M. ... 11/12/96
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

... 11/10/96
DIRECTOR DATE

... 11/5/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

... 11/5/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

DATE NO. REVISION

OWNER / DEVELOPER
 HOWARD COUNTY
 DEPARTMENT OF PUBLIC WORKS
 3450 COURT HOUSE DRIVE
 ELLICOTT CITY, MD 21043

PROJECT
SECOND DISTRICT FIRE STATION

AREA TAX MAP 24 BLOCK 23424 ZONED B-2
 2nd ELECTION DISTRICT, PARCEL A-2
 HOWARD COUNTY, MARYLAND

TITLE
DETAILS

RIEMER MUEGGE & ASSOCIATES, INC.
 ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
 8818 Centre Park Drive, Columbia, Maryland 21045
 tel 410.997.8900 fax 410.997.9282

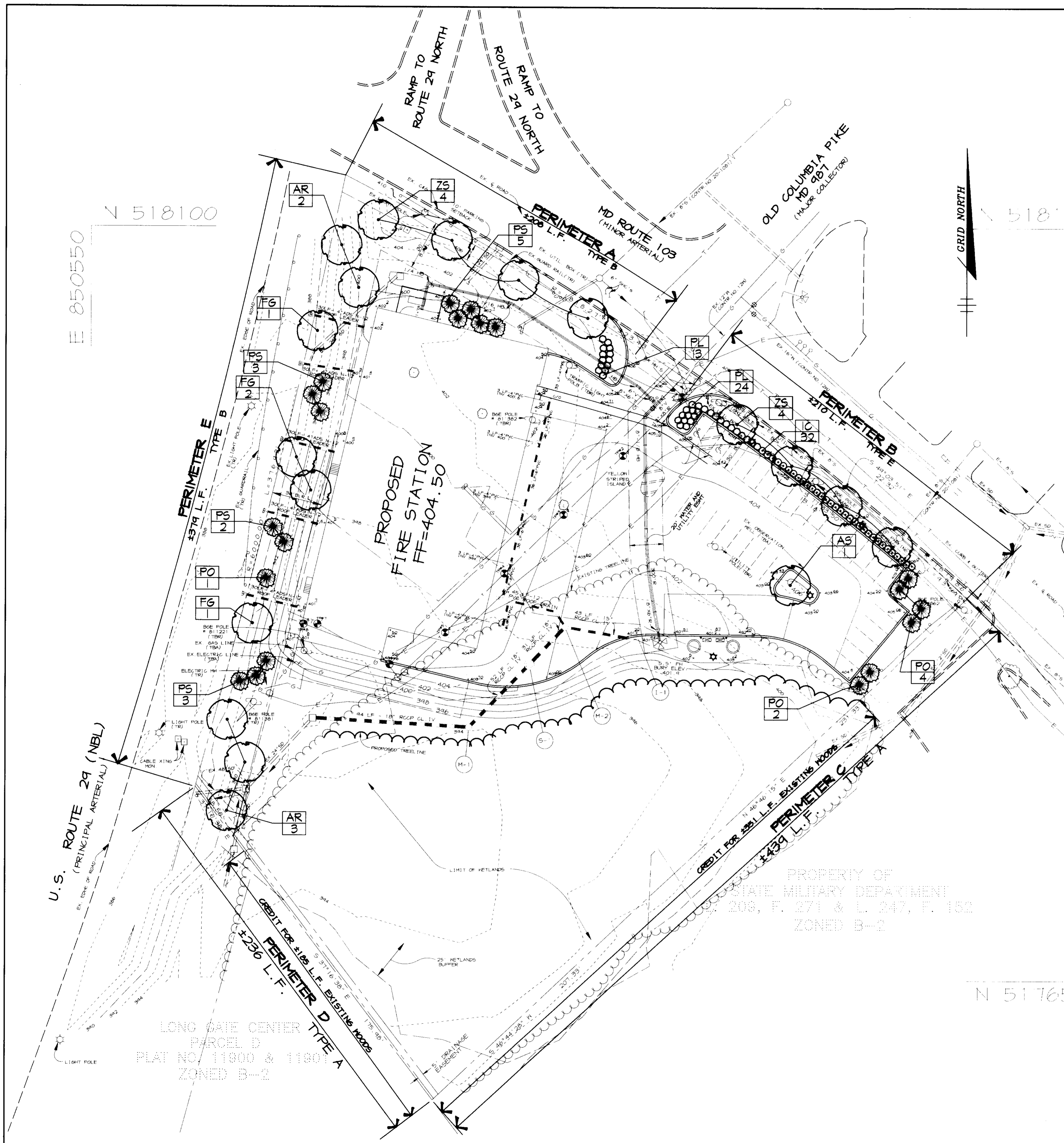
DATE
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DESIGNED BY: A.A.P.
 DRAWN BY: WEJ
 PROJECT NO: 96_001/
 SDP_C-6.DWG
 DATE: October 18, 1996
 SCALE: AS SHOWN
 DRAWING NO. 6 OF 7

J. Faehle
 JAYKANT D. PAREKH #19148

SHEET
 C-6

SDP 96/152



PLANT MATERIAL SCHEDULE

KEY	QTY	BOTANICAL + COMMON NAME	SIZE	ROOT	REMARKS
TREES					
AR	5	Acer rubrum 'October Glory'	2 1/2" - 3" Cal.	B + B	Central Leader Full Crown
AS	1	Acer saccharum 'Green Mountain'	2 1/2" - 3" Cal.	B + B	Central Leader Full Crown
FG	4	Fagus grandifolia 'American Beech'	2 1/2" - 3" Cal.	B + B	Full Crown
PO	4	Picea omorika 'Serotina'	7" - 8" HT.	B + B	Central Leader Full Crown
PS	11	Pinus strobus 'White Pine'	7" - 8" HT.	B + B	Central Leader Full Crown
ZS	8	Zelkova serrata 'Village Green'	2 1/2" - 3" Cal.	B + B	Full Crown
SHRUBS					
IC	32	Ilex crenata 'Compacta'	2 1/2" - 3" HT.	B + B	4' o.c. spacing
PL	37	Prunus laurocerasus 'Otto Luyken'	2 1/2" - 3" HT.	B + B	4' o.c. spacing

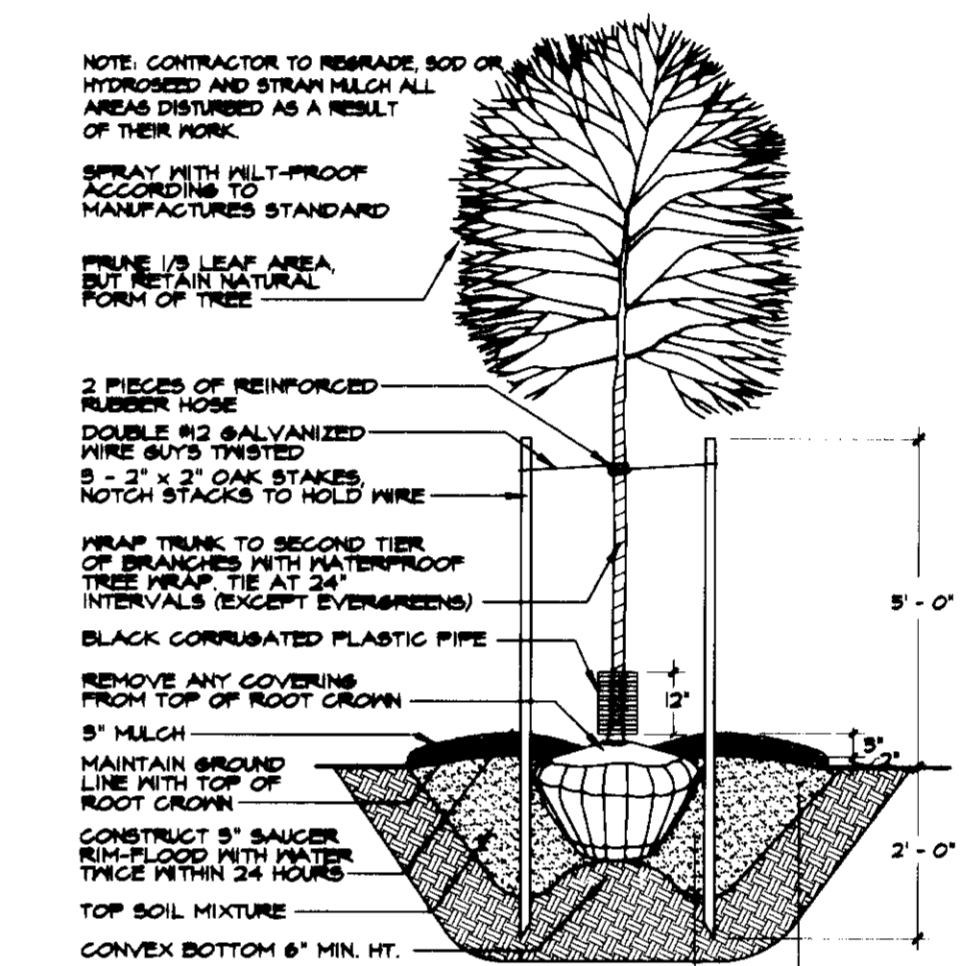
LANDSCAPE SCHEDULES

SCHEDULE A PERIMETER LANDSCAPE EDGE

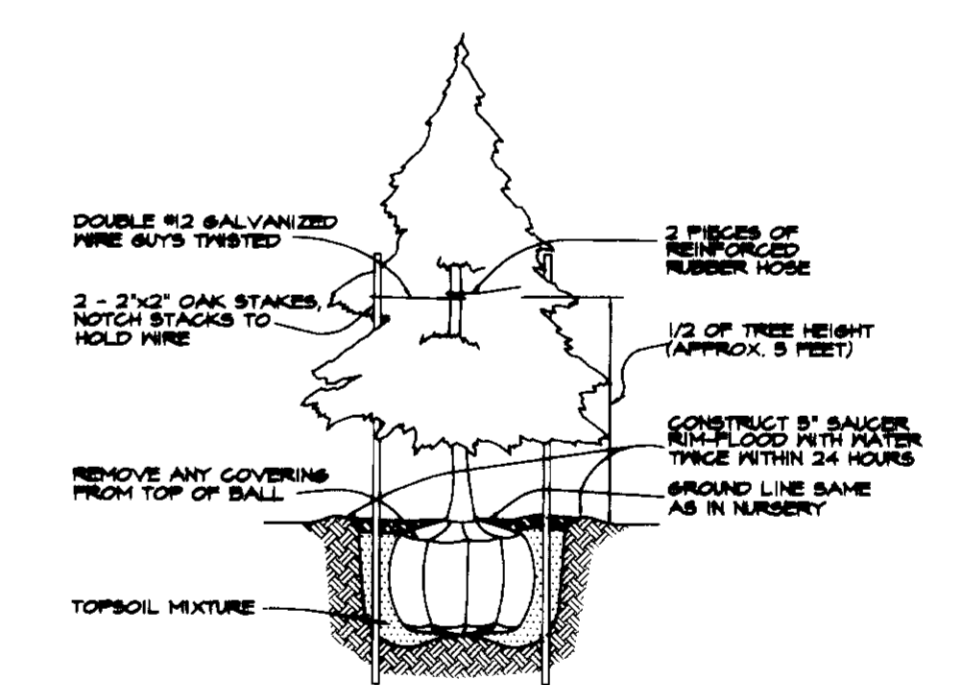
PERIMETER	ADJACENT TO ROADS				ADJACENT TO PERIMETER PROPERTIES	
	A	B	E	C	A	D
LANDSCAPE TYPE	B	E	B	A	A	A
LINEAR FEET OF ROADWAY FRONTAGE/ PERIMETER	± 208'	± 210'	± 574'	± 484'	± 286'	± 286'
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	YES ± 58'	YES ± 85'	YES ± 85'
CREDIT FOR WALL, FENCE OR BENCH (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	NO	NO	NO
NUMBER OF PLANTS REQUIRED						
SHADE TREES	1/80' ± 4	1/40' ± 5	1/80' ± 5	1/80' ± 1	1/80' ± 1	1/80' ± 1
EVERGREEN TREES	0	0	0	0	0	0
SHRUBS	0	0	0	0	0	0
NUMBER OF PLANTS PROVIDED						
SHADE TREES	4	4	8	0	0	0
EVERGREEN TREES	0	0	0	0	0	0
SHRUBS	0	0	0	0	0	0

SUBSTITUTION NOTES:
 PERIMETER B: SUBSTITUTE (2) TWO EVERGREEN TREES FOR (1) ONE SHADE TREE.
 PERIMETER C: SUBSTITUTE (2) TWO EVERGREEN TREES FOR (1) ONE SHADE TREE.
 NOTES:
 PERIMETER C: CREDIT FOR EXISTING VEGETATION TO BE RETAINED (± 58' L.F.).
 PERIMETER D: CREDIT FOR EXISTING VEGETATION TO BE RETAINED (± 85' L.F.).

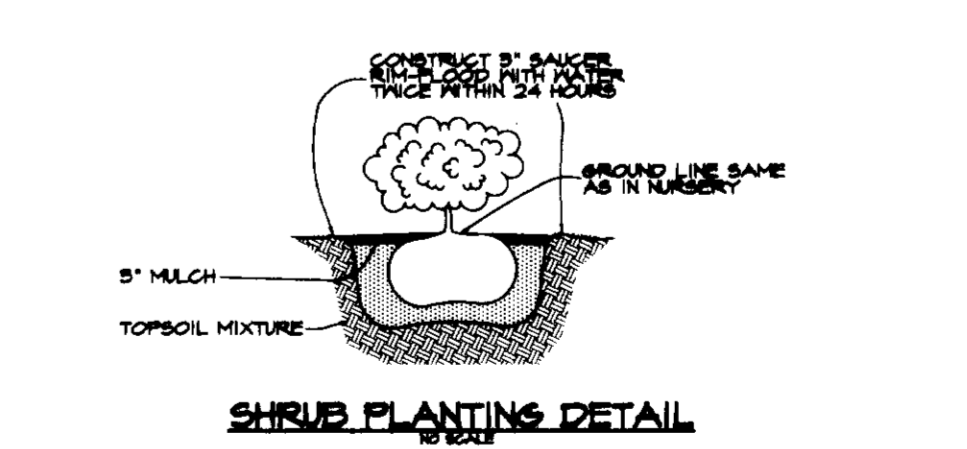
PLANT DETAILS



TREE PLANTING DETAIL



EVERGREEN PLANTING DETAIL



SHRUB PLANTING DETAIL

SCHEDULE B PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	32
NUMBER OF SHADE TREES REQUIRED @ 1:5.7/20 SPACES	2
NUMBER OF TREES PROVIDED	2
SHADE TREES	1
OTHER TREES (2:1 SUBSTITUTION)	1
NUMBER OF ISLANDS REQUIRED (1 ISLAND/ 20 SPACES)	2
NUMBER OF ISLANDS PROVIDED (EQUIVALENT OF 200 SF/ISLAND)	2

SUBSTITUTION NOTES:
 PARKING LOT INTERNAL LANDSCAPING SCHEDULE B
 SUBSTITUTE (2) TWO EVERGREEN TREES FOR (1) ONE SHADE TREE

GENERAL NOTES
 NOTES: THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.24 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Rita S. ... 11/14/96
 CHIEF, BUREAU OF UTILITIES DATE

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

Joyce M. ... 11/12/96
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

... 11/15/96
 DIRECTOR DATE

... 11/15/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Richard Blood 11/15/96
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

DATE NO. REVISION

OWNER / DEVELOPER
 HOWARD COUNTY
 DEPARTMENT OF PUBLIC WORKS
 3450 COURT HOUSE DRIVE
 ELLICOTT CITY, MD 21043

PROJECT
SECOND DISTRICT FIRE STATION

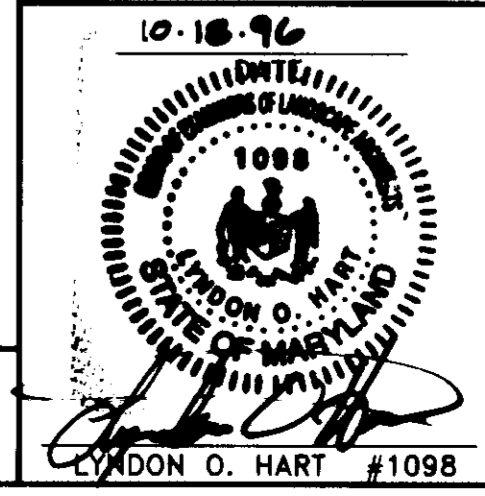
AREA TAX MAP 24 BLOCK 23424 ZONED B-2
 2nd ELECTION DISTRICT, PARCEL A-2
 HOWARD COUNTY, MARYLAND

TITLE
LANDSCAPE PLAN

RIEMER MUEGGE & ASSOCIATES, INC.
 ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
 8818 Centre Park Drive, Columbia, Maryland 21045
 tel 410.997.8900 fax 410.997.9282

10-18-96

REVISIONS:
 DESIGNED BY: LOH
 DRAWN BY: CAK
 PROJECT NO: 96_001/
 SDP_C-7.DWG
 DATE: October 18, 1996
 SCALE: 1" = 30'
 DRAWING NO. 7 OF 7



SHEET
 C-7