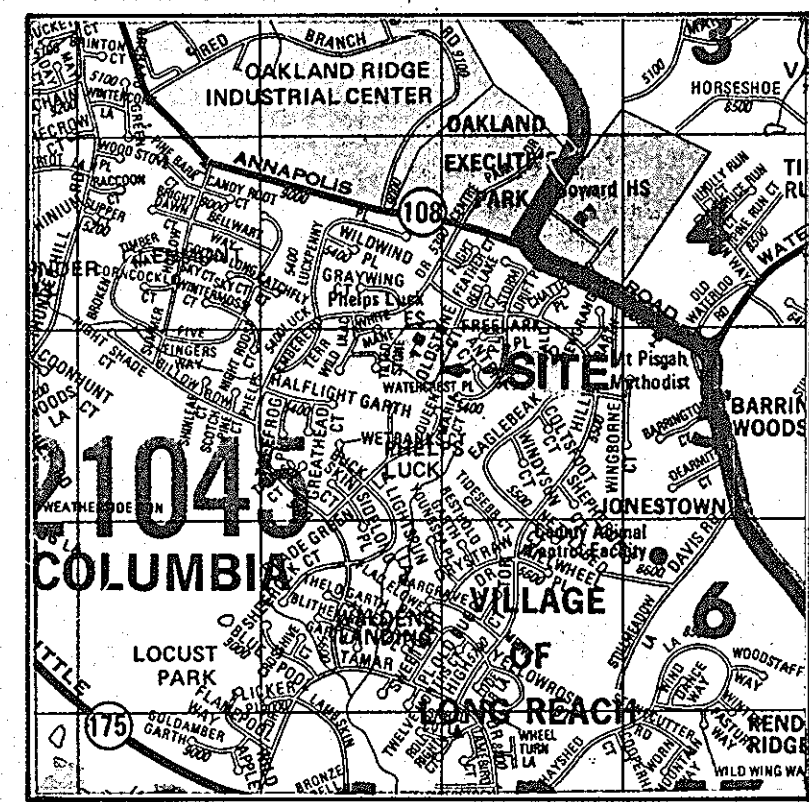


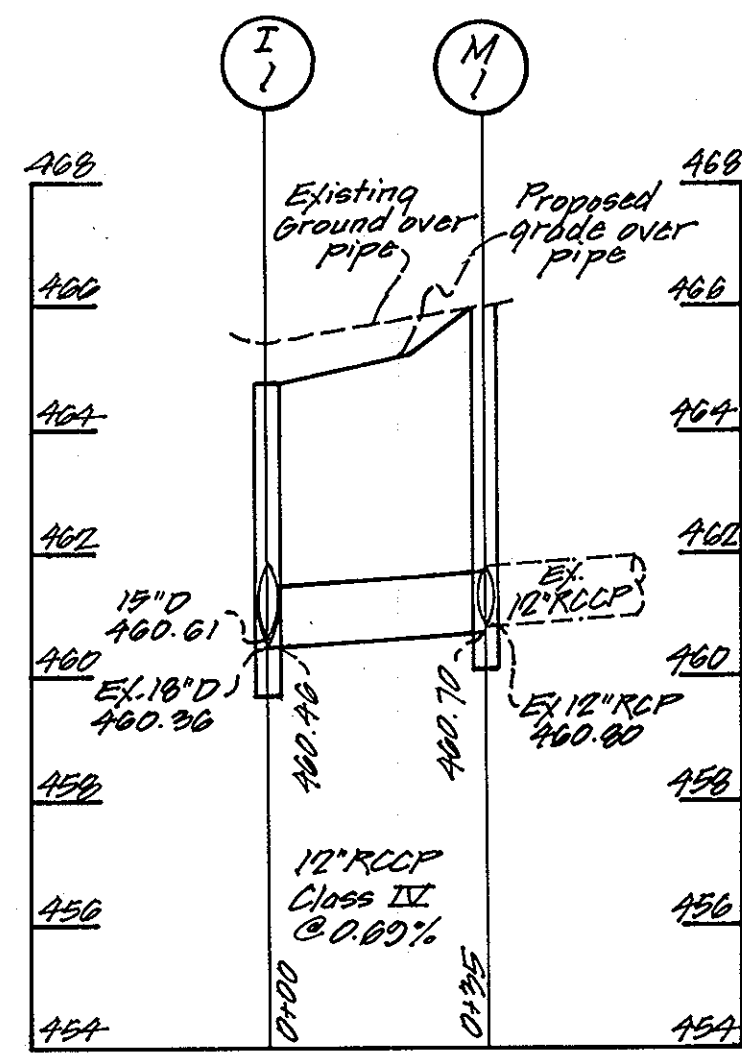
VICINITY MAP



SCALE: 1"=2000'

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT (1 DAY)
2. INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON SHEET 3 (2 DAYS)
3. ROUGH GRADING TO DRAIN AREA OF BUILDING ADDITION TO SUB-GRADE (2 DAY?)
4. BEGIN CONSTRUCTION OF BUILDING ADDITION (50 DAY?)
5. FINE GRADE AROUND BUILDING ADDITION (1 DAY)
6. REMOVE SEDIMENT AND EROSION CONTROL DEVICES AS PERMITSION IS GRANTED BY S.I.E. INSPECTOR (2 DAY?)



Profile
Scale: Hor. 1"=80'
Vert. 1"=8'

LEGEND

ITEM	NEW	EXISTING
PROPERTY LINE		
SPOT ELEVATIONS	+356'	
CONTOURS	34	34
BUILDINGS		
BITUMINOUS PAVING		
CONCRETE PAVING & WALKS		
CONCRETE CURB & GUTTER		
CONCRETE HEADER CURB		
BITUMINOUS CURB		
SANITARY SEWER (MANHOLE)		
STORM SEWER (STRUCTURE)		
OVERHEAD POWER LINE (POLE)		
OVERHEAD TELEPHONE LINE (POLE)		
POLE GUY WIRE (ANCHOR)		
UNDERGROUND POWER LINE		
UNDERGROUND TELEPHONE LINE		
SITE LIGHT/FLOOD LIGHT		
WATER MAIN		
FIRE HYDRANT (VALVE)		
GAS MAIN		
UNDERGROUND OIL/FUEL STORAGE TANK		
STEPS		
TREES/SHRUBS		
WOODED AREA		
FENCE		
SOIL BORING		
PERC TEST		
EVERGREEN TREE		
SIAMSESE CONNECTION		
PROPERTY CORNER		
TRAVERSE STATION		
CONCRETE MONUMENT		

NOTES

- GENERAL NOTES
1. TOPOGRAPHIC AND BOUNDARY INFORMATION PROVIDED BY HOWARD COUNTY BOARD OF EDUCATION AND H & H DEVELOPMENT ENGINEERS, INC. NO TITLE REPORT FURNISHED.
 2. LOCATIONS OF ALL EXISTING UTILITIES SHOWN ARE TAKEN FROM EXISTING SCHOOL PLANS AND ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATION AND VERIFICATION OF ALL EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION IN THE VICINITY OF SAID UTILITIES.
 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND DETAILS CONTAINED WITHIN THE HOWARD COUNTY DESIGN MANUAL, VOLUMES I THROUGH IV.
 4. ALL UTILITIES AND DRAINAGE APPURTENANCES OUTSIDE OF THE PUBLIC RIGHT-OF-WAY WILL BE PRIVATELY OWNED AND MAINTAINED.

SITE PLAN NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF HOWARD COUNTY DESIGN MANUAL, VOLUMES I THROUGH IV.
2. NEW STORM SEWER INLET Y.I. NO. 1 SHALL BE A STANDARD TYPE "S" INLET. HOWARD COUNTY STANDARD DETAIL SD-4.22.

SITE ANALYSIS

1. PROPERTY OWNER: HOWARD COUNTY BOARD OF EDUCATION. 10910 ROUTE 108, ELLICOTT CITY, MARYLAND 21043.
2. USE: PHELPS LUCK ELEMENTARY SCHOOL ADDITION/RENOVATIONS 5370 OLDSTONE COURT, COLUMBIA, MARYLAND 21043.
3. TAX MAP: 30 PARCEL 289 LOT 563.
4. TOTAL SITE AREA: 435,600 S.F. OR 10.00 AC.
5. PRESENT ZONING: NEWTOWN/OPEN SPACE
6. REQUIRED SETBACKS:
 - A. BUILDING SETBACK FROM ANY PUBLIC STREET RIGHT-OF-WAY = 30 FEET.
 - B. BUILDING SETBACK FROM ANY PROPERTY LINE = 25 FEET.
7. EXISTING S.D.P. NUMBERS: 72-10
EXISTING OFFICE OF PLANNING AND ZONING FILE NUMBER: FDP-77-A-22, Plot, F-70-068
8. ADDITION FLOOR AREA: 12,378 (GROSS)

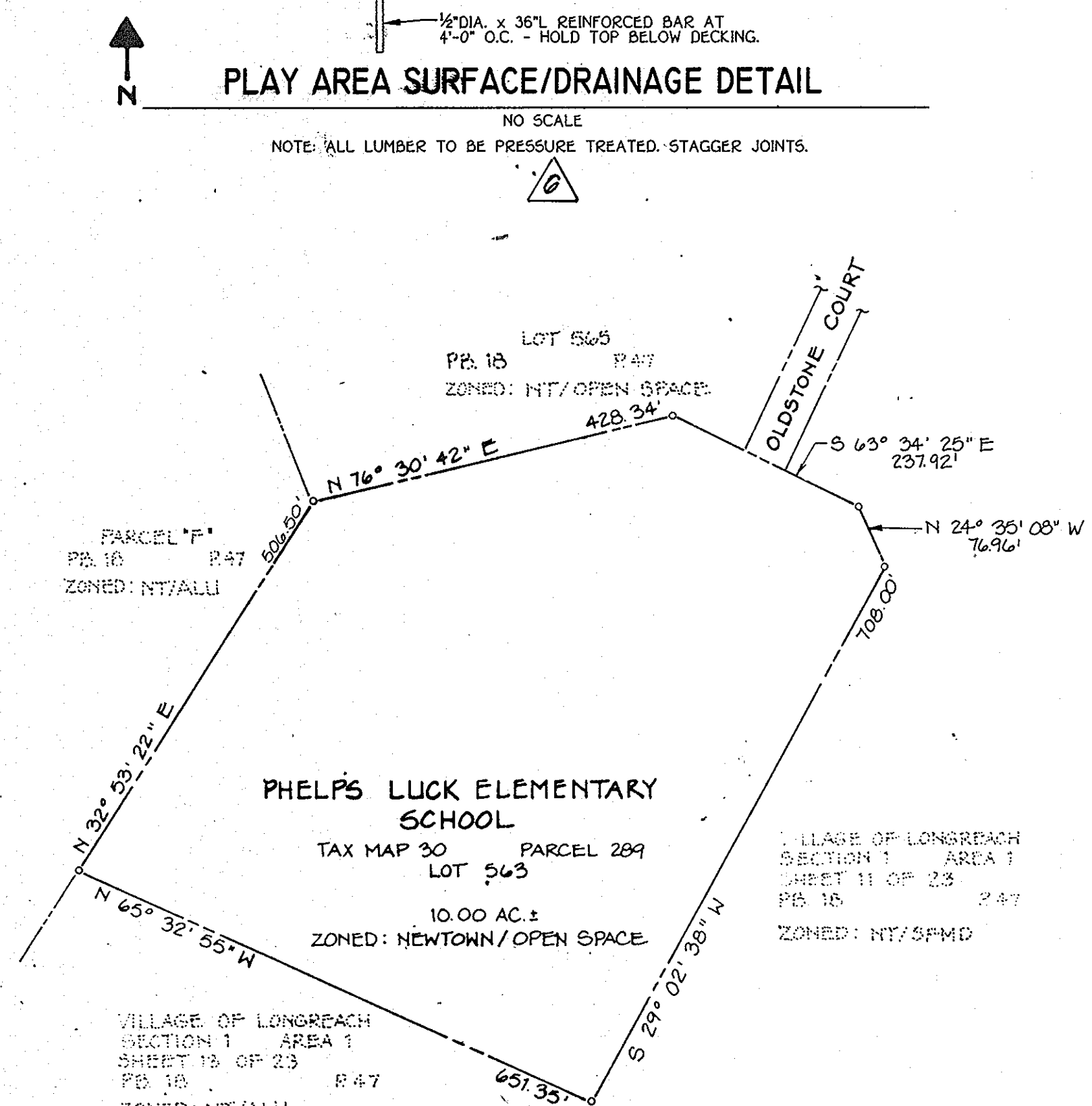
OCCUPANCY:
CURRENT TEACHERS = 35 CURRENT STUDENTS = 444
FUTURE TEACHERS = 1 FUTURE STUDENTS = 0

10. EXISTING PARKING: Regular 79, Handicap 89, Total 168
Proposed Regular 27, Handicap 27, Total 54
Total Regular 106, Total Handicap 110, Total 216
11. ADDITIONAL SPACES REQUIRED: 0 (PER HOWARD CO. BOARD OF EDUCATION)
12. SITE BUILDING COVERAGE - EXISTING: 59,928 SF
PROPOSED: 12,378 SF
TOTAL SITE BUILDING COVERAGE OF LOT 563 (10.00 ACRES) = 72,306 or 16.60%
13. SITE OPEN SPACE (GREEN SPACE) TO REMAIN: 249,179 sq.ft. or 5.70 ac. (57%)
14. BUILDING COVERAGE PERCENTAGE FOR THE SCHOOL BUILDING AND ADDITIONS AS IT RELATES TO THE OPEN SPACE CREDITED (74,791 ACRES) LAND USE AREA FOR FDP-77-A-11 = 2.22%

STRUCTURE NO.	TOP ELEVATION	INV. IN	INV. OUT	LOCATION		W	TYPE	REMARKS
				NORTH	EAST			
I-1	464.75	460.61 (5')	460.36 (9')	50033.52	50067.85	-	5 INLET W/ RETICULAR GRATE	5.0 4.22 W 5.0 4.93
I-2	464.50		461.75 (5')	50028.78	49996.79	-	5 INLET W/ RETICULAR GRATE	5.0 4.22 W 5.0 4.93
M-1	466.00	360.80 (12')	360.70 (12')	50044.73	50100.84	4'	PRECAST MANHOLE	C - 512

SIZE	CLASS	LENGTH
3"	PVC SCHEDULE 40	12'
4"	PVC SCHEDULE 40	12'
12"	RCCP CLASS IV	35'
15"	RCCP CLASS IV	71'

KEY PLAN



SCALE: 1"=150'

ABBREVIATIONS

AC	ACRE	ACRE
BIT	BITUMINOUS	BITUMINOUS
BLDG	BUILDING	BUILDING
CGG	CURB AND GUTTER	CURB AND GUTTER
CI	CURB INLET	CURB INLET
CONC	CONCRETE	CONCRETE
CONST	CONSTRUCTION	CONSTRUCTION
E	EAST	EAST
EP	EDGE OF PAVEMENT	EDGE OF PAVEMENT
EW	ENDMALL	ENDMALL
EX	EXISTING	EXISTING
FF	FINISHED FLOOR	FINISHED FLOOR
FH	FIRE HYDRANT	FIRE HYDRANT
G	NATURAL GAS	NATURAL GAS
H	HANDICAP	HANDICAP
HP	HIGH POINT	HIGH POINT
INV	INVERT	INVERT
IP	INLET PROTECTION	INLET PROTECTION
LAT	LATERAL	LATERAL
LP	LIGHT POLE	LIGHT POLE
MEG	MET EXISTING GRADE	MET EXISTING GRADE
MH	MANHOLE	MANHOLE
N	NORTH	NORTH
PT	PRESSURE TREATED	PRESSURE TREATED
PROP	PROPOSED	PROPOSED
PVMT	PAVEMENT	PAVEMENT
R	RADIUS	RADIUS
REV	REVISION	REVISION
RL	REMOVAL LIMITS	REMOVAL LIMITS
ROW	RIGHT OF WAY	RIGHT OF WAY
RRL	REMOVAL AND REPLACEMENT LIMITS	REMOVAL AND REPLACEMENT LIMITS
S	SOUTH	SOUTH
SAN	SANITARY	SANITARY
SEW	SEWER	SEWER
SF	SQUARE FOOT/FEET	SQUARE FOOT/FEET
STMS	STORM	STORM
TRANS	TRANSFORMER	TRANSFORMER
TP	TYPICAL	TYPICAL
W	WEST	WEST
W	WITH	WITH
WTF	WROUGHT IRON FENCE	WROUGHT IRON FENCE
YI	YARD INLET	YARD INLET

WATER MAIN TABULATION CHART

WATER MAIN STATION	APPURTENANCE	INVERT ELEVATION
0+00	EX C" X C" TAPPING PLUG @	463.4
0+05	EX C" WATER MAIN	463.4
0+07	EX C" VALVE	463.0
0+15	EX EX. 8" X 1/2" ING	463.0
0+21	EX C" - 1/2" HD	462.7
0+44	EX C" PLUG & BUTT??	462.5
0+49	C" - 1/2" HD	462.5
0+53	EX EX. C" X 1/2" ING	462.7
0+72	C" - 1/2" HD	461.6
1+00	WEST	461.3
1+04	EX EX. 3" X 1/2" ING	460.0
1+37	C" - 1/2" HD	460.4
2+00	C" - 1/2" HD	462.5
2+35	C" - 1/2" HD	463.7
3+00		463.6
4+00		462.4
5+00		460.3
5+21	C" - 1/2" HD	460.7
5+05	C" - 1/2" HD	461.1
6+00		461.7
6+21	C" VALVE	461.7
6+30	C" X C" TEE	461.7
6+35	C" PLUG & BUTT??	461.7

LOT NUMBER	STREET ADDRESS
563	5370 OLDSTONE COURT

ADDRESS CHART	SEWER CODE
607	6434000

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

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

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

7 6-17-11 Revised Title Block, Site Analysis & Address Sheet Index

4/20/88 PER HO. CO. COMMENTS

2/25/88 HO. CO. SUBMITTAL

Date Issued/Revised

Project Number 87007

Additions/Renovations to
Phelps Luck Elementary School
Howard County Public Schools

Murray & Associates
ARCHITECTS

POTOMAC ENERGY GROUP, INC.

MESEN ASSOCIATES, P.C.

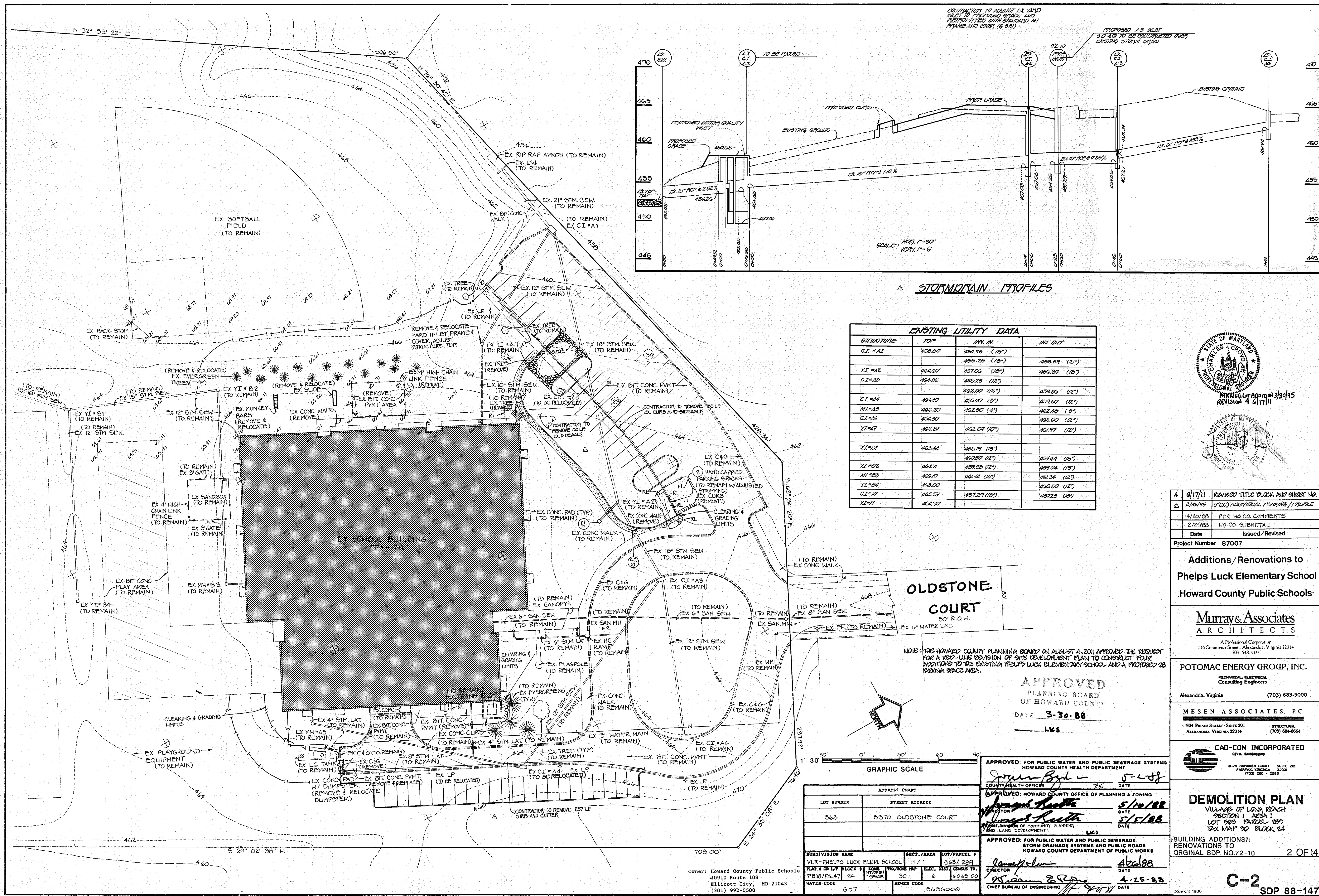
CAD-CON INCORPORATED

COVER SHEET

VILLAGE OF LONGREACH
SECTION 1 AREA 1
LOT 563 PARCEL 289
TAX MAP 30 BLOCK 24

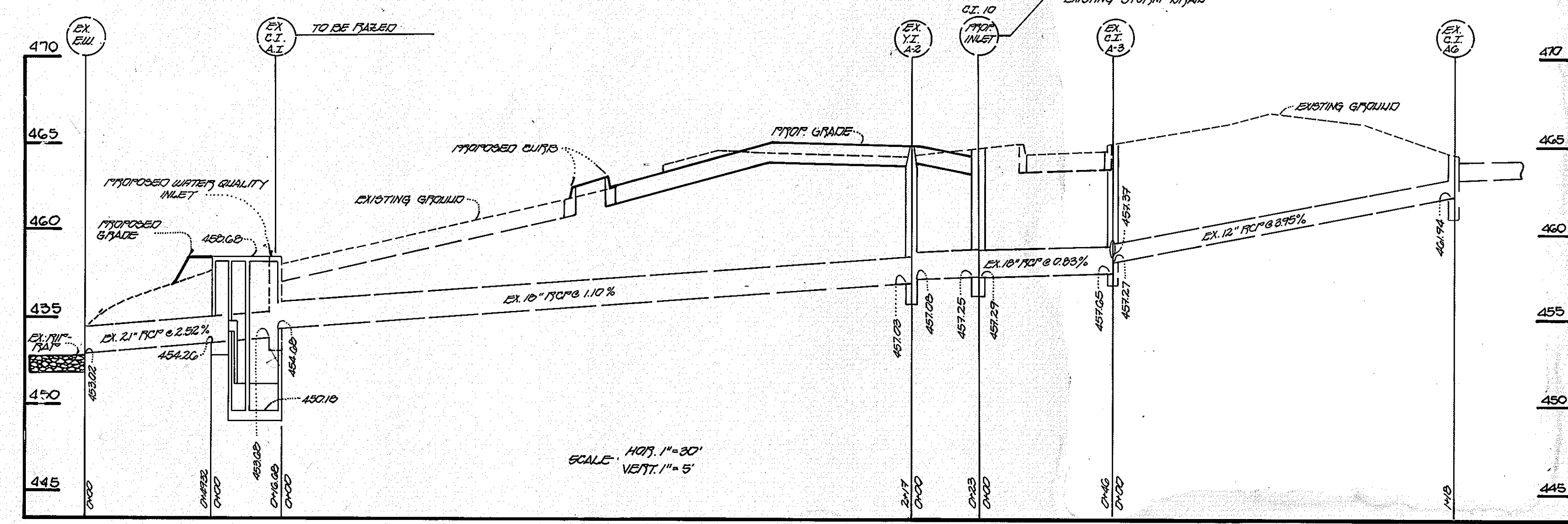
BUILDING ADDITIONS
RENOVATIONS TO
ORIGINAL SDP NO. 72-10 1 OF 14

Copyright 1988 SDP 88-147



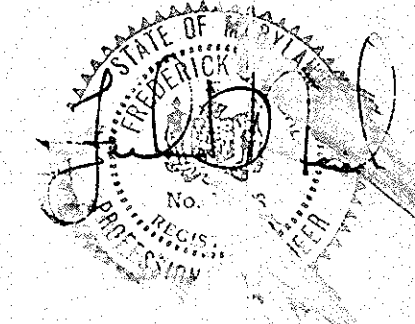
CONTRACTOR TO ADJUST EX. YARD INLET TO PROPOSED GRADE AND RECONSTRUCT WITH STAINLESS STEEL FRAME AND COVER (9.8.8)

PROPOSED A-S INLET 3.0' DIA. TO BE CONSTRUCTED OVER EXISTING STORM DRAIN



STORM DRAIN PROFILES

STRUCTURE	TOP	INT. IN	INT. OUT
CI #A1	450.00	454.75 (10')	453.59 (21')
YI #A2	464.00	457.06 (10')	456.87 (10')
CI #A3	464.85	458.25 (12')	457.55 (12')
CI #A4	464.40	462.00 (10')	459.50 (12')
MH #A5	466.20	462.00 (4')	462.40 (0')
CI #A6	464.30	462.00 (12')	462.00 (12')
YI #A7	462.51	462.07 (10')	461.97 (12')
YI #B1	463.44	460.17 (15')	459.50 (12')
YI #B2	464.70	459.25 (12')	459.04 (15')
MH #B3	466.10	461.74 (10')	461.34 (12')
YI #B4	463.00	460.00 (12')	460.50 (12')
CI #D1	465.57	457.29 (10')	457.25 (10')
YI #D1	464.70		



Date	Issued/Revised
4/17/11	REVISED TITLE BLOCK AND SHEET NO.
3/14/08	(P.C.) ADDITIONAL PARKING / PROFILES
4/20/08	PER HO.CO. COMMENTS
2/12/08	HO.CO. SUBMITTAL

Project Number 87007

**Additions / Renovations to
Phelps Luck Elementary School
Howard County Public Schools**

**Murray & Associates
ARCHITECTS**

A Professional Corporation
116 Commerce Street - Alexandria, Virginia 22314
703 548-3122

POTOMAC ENERGY GROUP, INC.
MECHANICAL, ELECTRICAL
Consulting Engineers
Alexandria, Virginia (703) 683-5000

MESSEN ASSOCIATES, P.C.
304 PRINCE STREET - SUITE 201 STRUCTURAL
ALEXANDRIA, VIRGINIA 22314 (703) 684-8664

CAD-CON INCORPORATED
CIVIL ENGINEERS
3025 HAMMER COURT SUITE 202
FAIRFAX, VIRGINIA 22031
(703) 280-1585

DEMOLITION PLAN
VILLAGE OF LONG BEACH
SECTION 1 AREA 1
LOT 563 PARCEL 289
TAX MAP 90 BLOCK 24

BUILDING ADDITIONS/
RENOVATIONS TO
ORIGINAL SDP NO.72-10 2 OF 14

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 3-30-08
LWS



LOT NUMBER	STREET ADDRESS
563	5370 OLDSTONE COURT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: [Signature] DATE: 5/12/08

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DIRECTOR: [Signature] DATE: 5/15/08

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: [Signature] DATE: 4-25-08

CHIEF BUREAU OF ENGINEERING [Signature]

Owner: Howard County Public Schools
40910 Route 108
Ellicott City, MD 21043
(301) 992-0500

() 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 Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer
Print name below signature
HENRY HORNING

4/20/88
Date

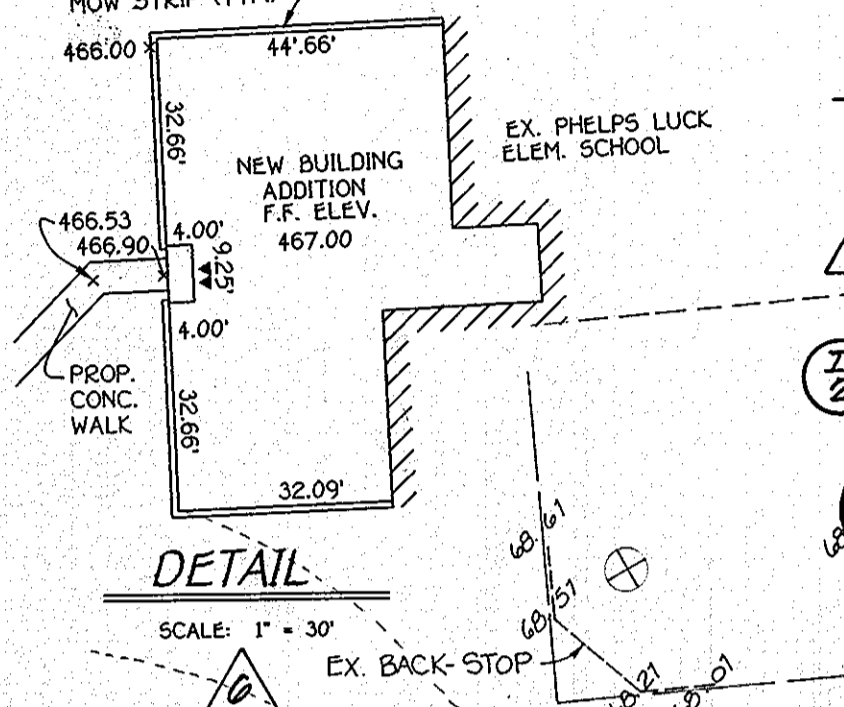
() By the Engineer:

"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."

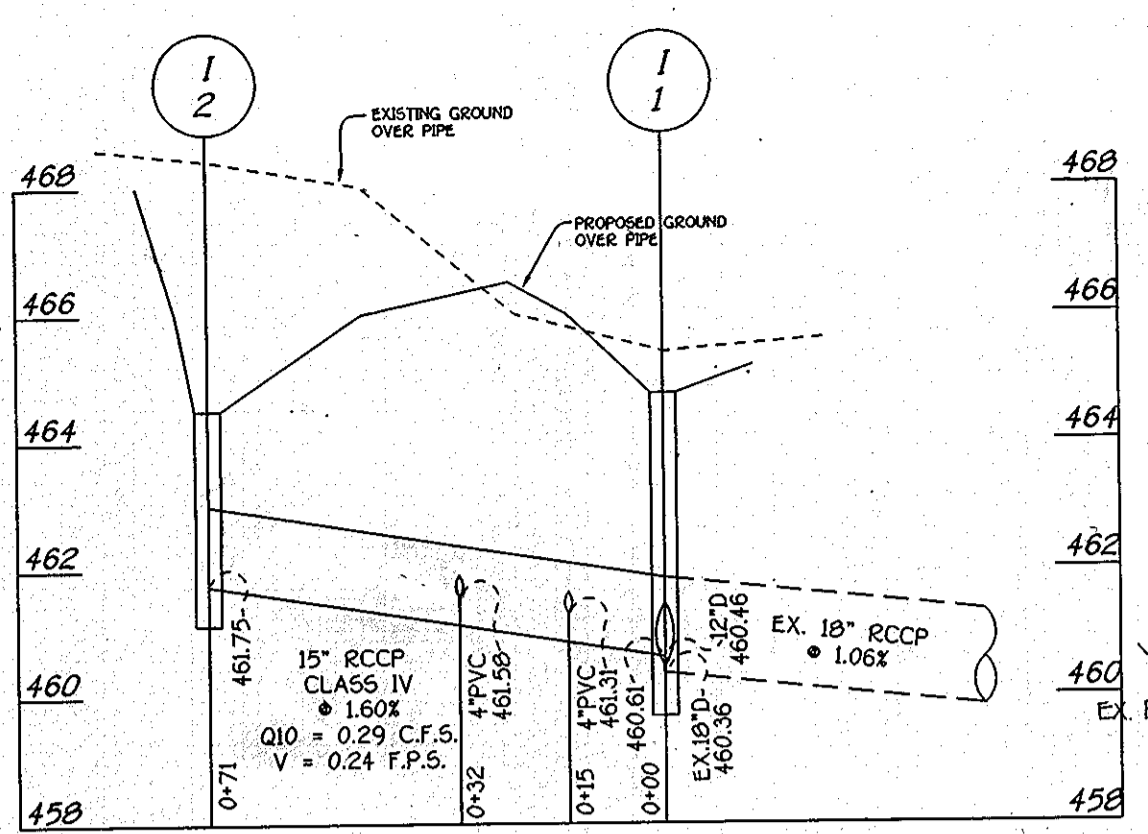
Signature of Engineer
Print name below signature

4/20/88
Date

NEW CONCRETE MOW STRIP (TYP.)



DETAIL SCALE: 1" = 30'



PROFILE SCALE: HORIZ. 1" = 30' VERT. 1" = 3'

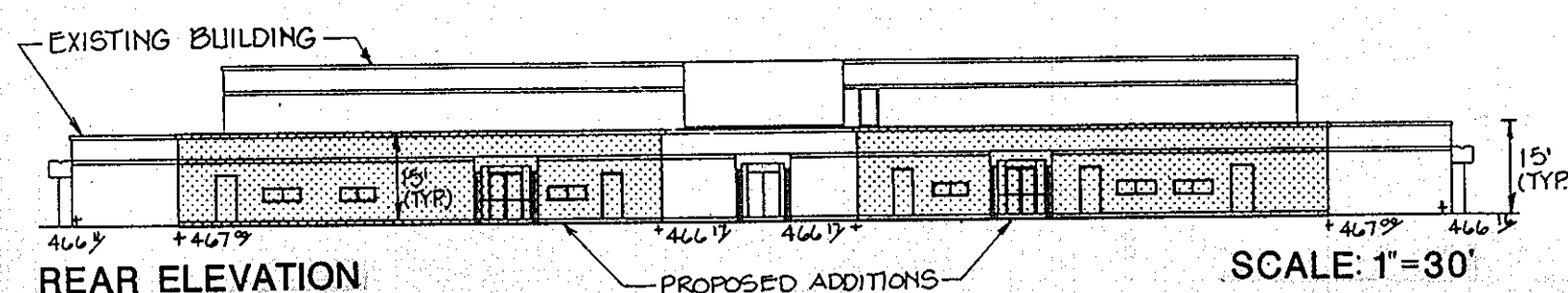
NOTE: SEE SHEET 8 FOR BUILDING ADDITIONS AND NEW PARKING LOT

INLET PROTECTION NOTES

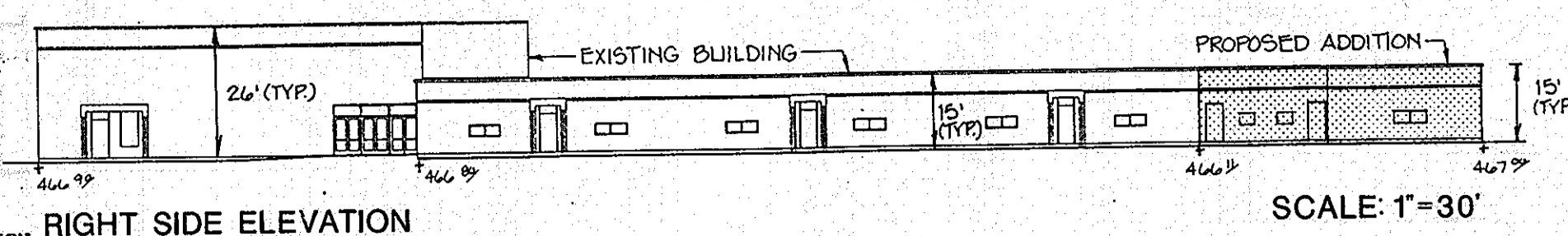
INLET PROTECTION IS PREFERRED OVER SEDIMENT TRAP OR SEDIMENT BASIN FOR THE FOLLOWING REASONS:

- 1. SMALL TOTAL DISTURBED AREA CONTRIBUTING TO INLETS: EX. YI #B2 8624 SF = 0.198 AC. YI #1 8878 SF = 0.202 AC. TOTAL 17502 SF = 0.400 AC. 2. INTENT OF SITEMARK DESIGN IS TO LIMIT DISTURBED AREA AND DAMAGE TO EXISTING NATURAL SITE FEATURES AND VEGETATION. CONFINED AREA AND TIGHT GRADING MAKE INSTALLATION OF SEDIMENT TRAPS OR BASIN DIFFICULT AND IMPRACTICAL. MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, SECTION 21.01, STATES THAT INLET PROTECTION IS AN ACCEPTABLE ALTERNATIVE UNDER THESE CONDITIONS.

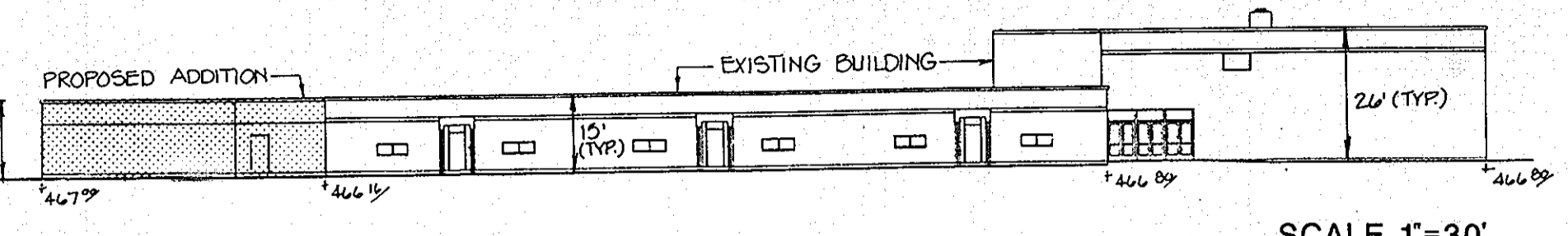
3. SEDIMENT TRAPS OR BASIN MAY CREATE AN ATTRACTIVE NUISANCE AND A SAFETY HAZARD FOR SCHOOL CHILDREN PRESENT DURING SITE CONSTRUCTION



REAR ELEVATION SCALE: 1" = 30'



RIGHT SIDE ELEVATION SCALE: 1" = 30'



LEFT SIDE ELEVATION SCALE: 1" = 30'

EXISTING UTILITY DATA table with columns: STRUCTURE, TOP, INV. IN, INV. OUT. Lists structures CI*A1 through YI*B4 with their respective elevations.

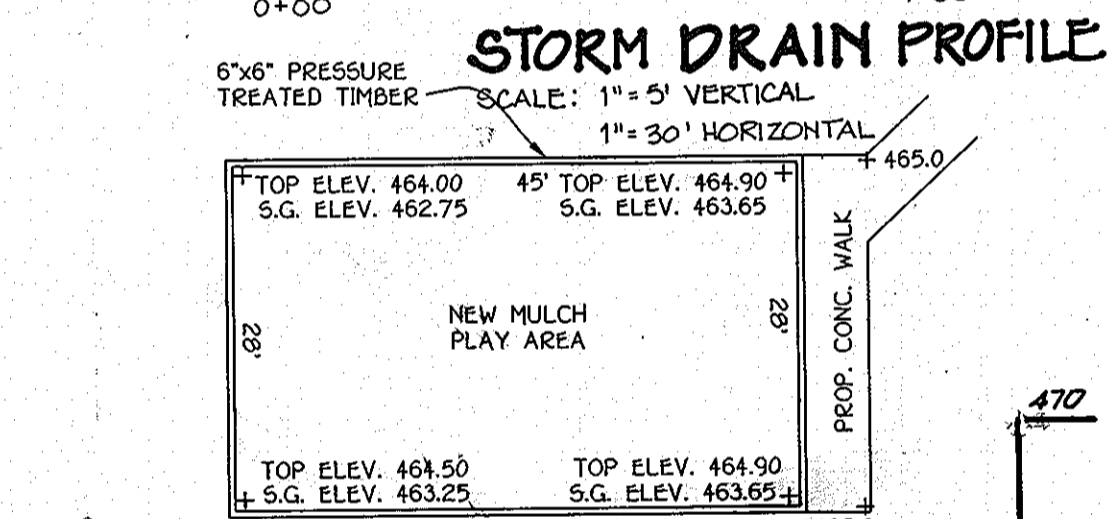
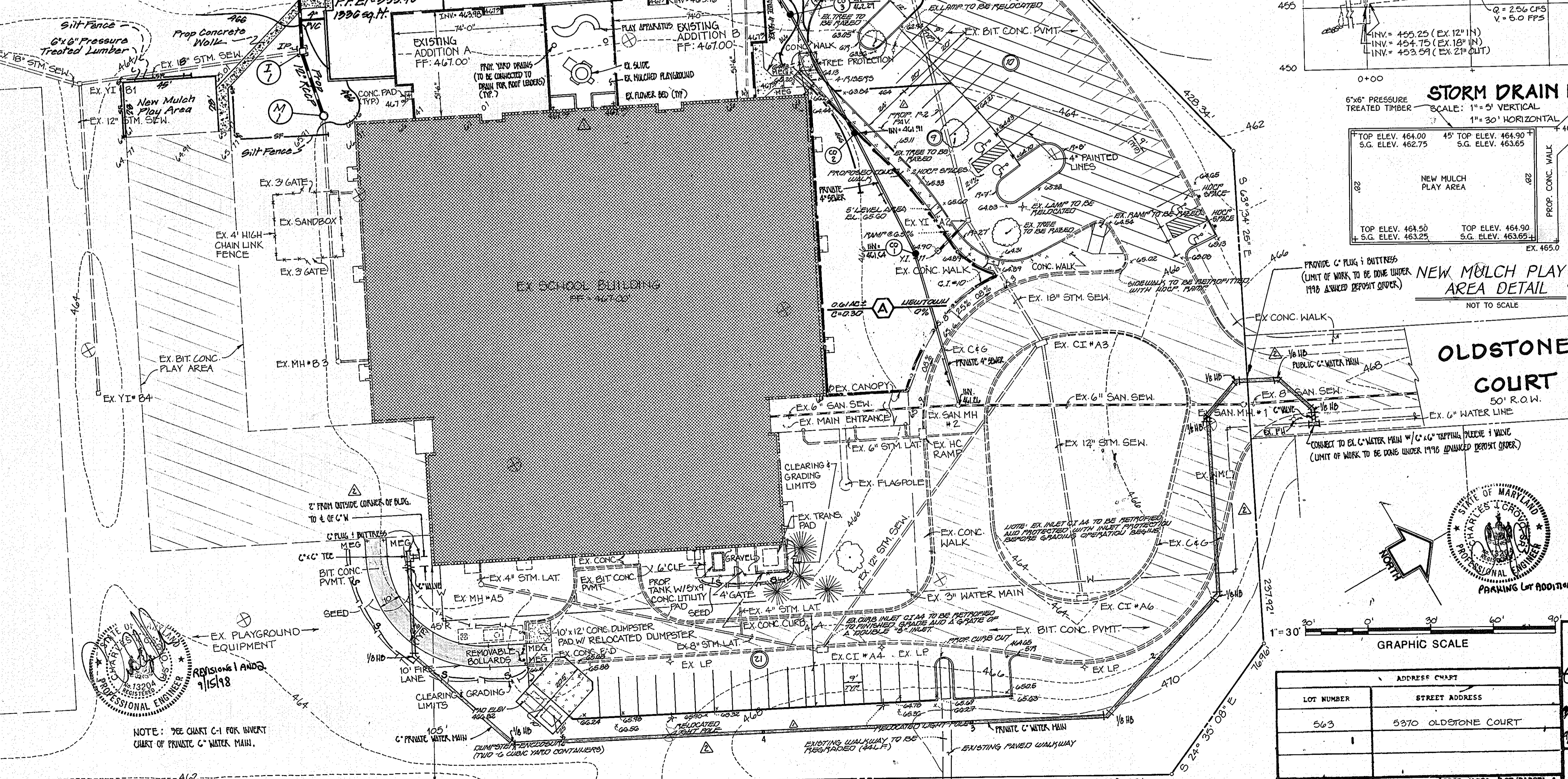
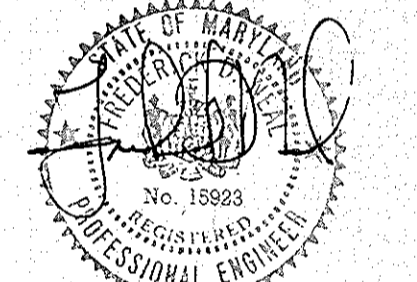
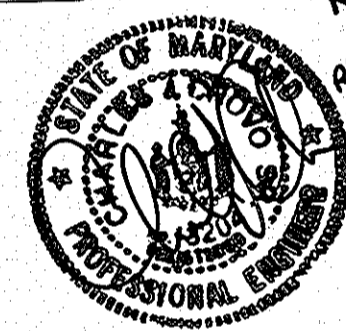
PROPOSED UTILITY DATA table with columns: STRUCTURE, TOP, INV. IN, INV. OUT. Lists structures YI*A1 through YI*B2 with their respective elevations.

UTILITY NOTE

NO NEW SANITARY SEWER OR WATER CONNECTIONS ARE REQUIRED. PROPOSED ADDITIONS WILL BE SERVED THROUGH EXISTING BUILDING. EXISTING SERVICE CONNECTIONS WILL BE USED.

NOTE: THE HOWARD COUNTY PLANNING BOARD ON AUGUST 4, 2011 APPROVED THE REQUEST FOR A REZONING OF THE SITE FROM RESIDENTIAL TO COMMERCIAL FOR ADDITIONS TO THE EXISTING PHELPS LUCK ELEMENTARY SCHOOL AND A PROPOSED 20 PARKING SPACE AREA.

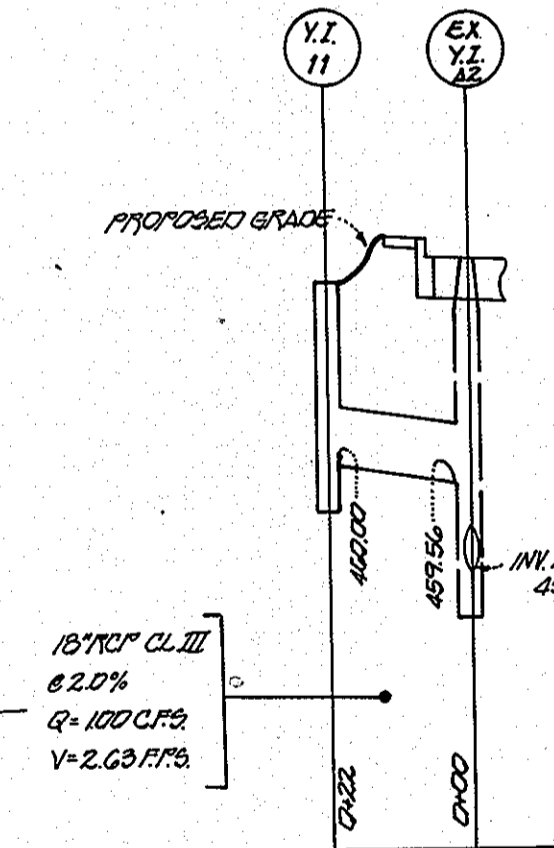
Reviewed for HOWARD S.C.D. and meet Technical Requirements
U.S. Soil Conservation Service
Date 4/22/88
Date 4/22/88



STORM DRAIN PROFILE SCALE: 1" = 5' VERTICAL 1" = 30' HORIZONTAL

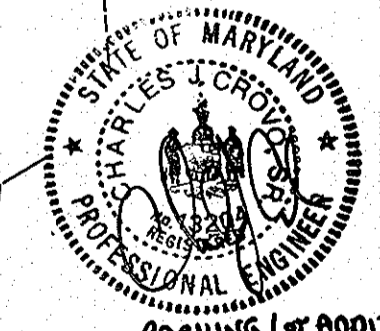


NEW MULCH PLAY AREA DETAIL NOT TO SCALE



STORM DRAIN PROFILE SCALE: HORIZ. 1" = 30' VERT. 1" = 5'

APPROVED PLANNING BOARD OF HOWARD COUNTY DATE 3-30-88

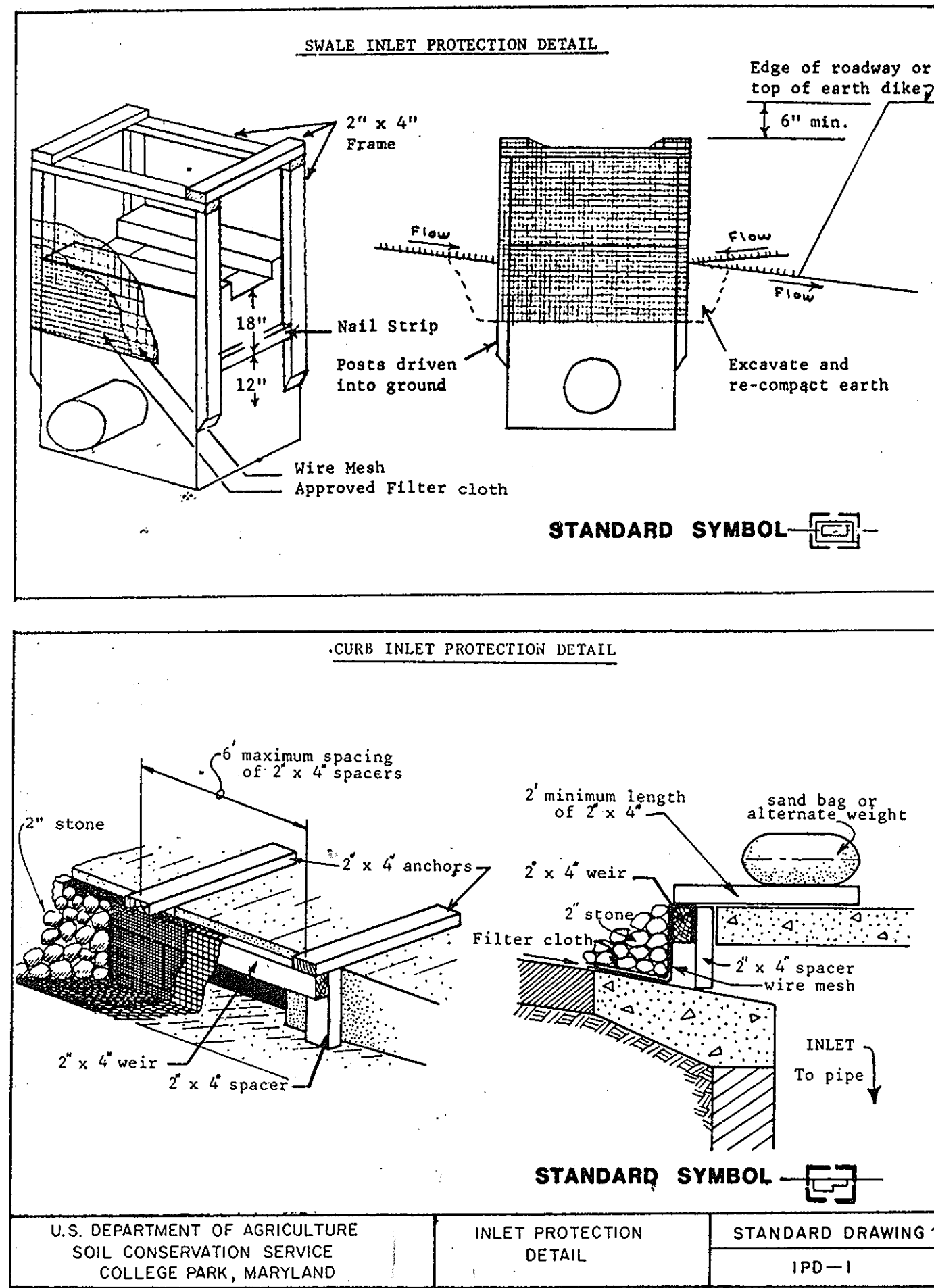
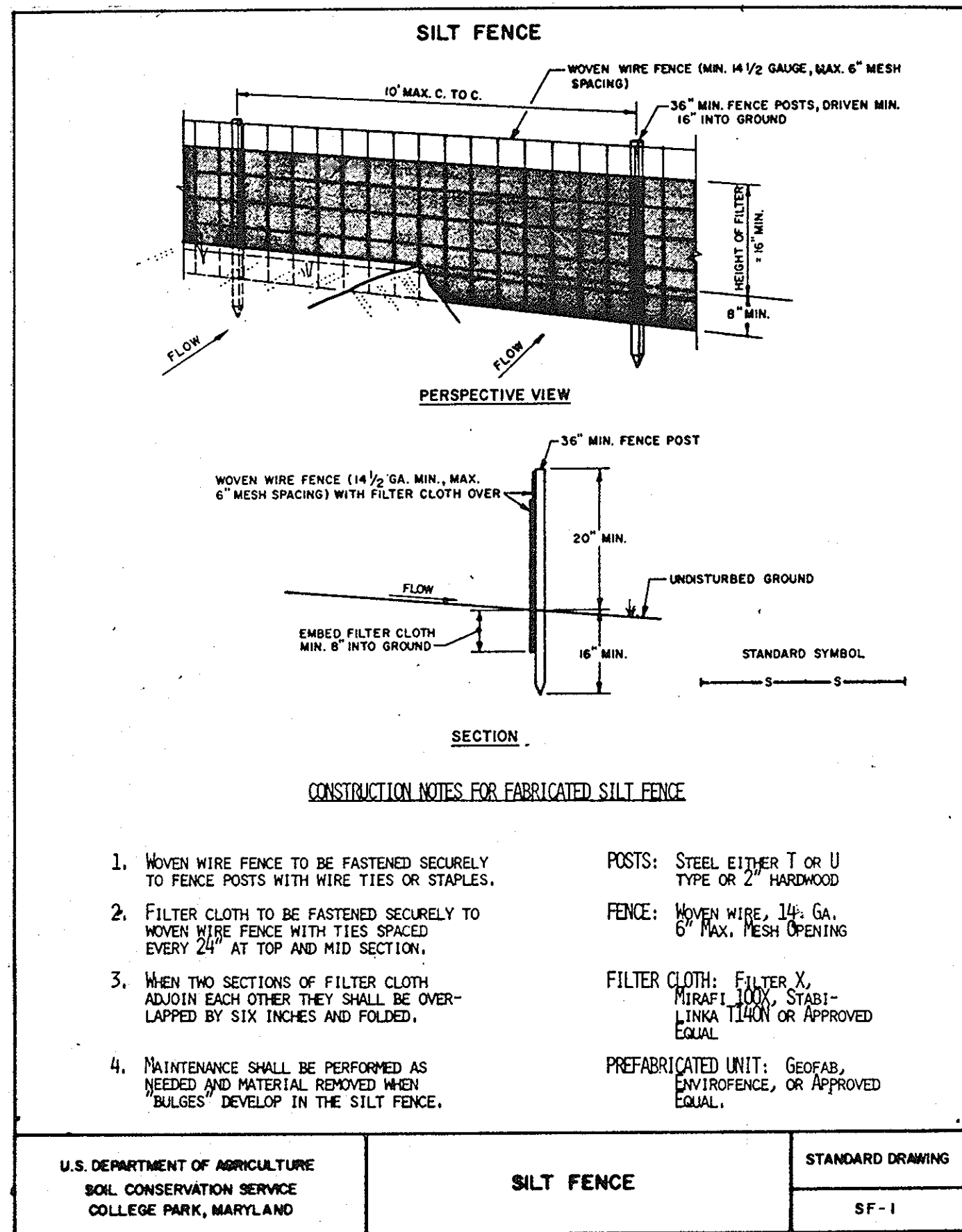


ADDRESS CHART table with columns: LOT NUMBER, STREET ADDRESS, SUBDIVISION NAME, ELEM. SCHOOL, RECT./AREA, LOT/PARCEL #, PLAT # OR LOT BLOCK #, EASE, DIST. COND. TR., WATER CODE, SEWER CODE.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Revision table with columns: No., Date, Description, Revision.

Murray & Associates ARCHITECTS
POTOMAC ENERGY GROUP, INC.
MESSEN ASSOCIATES, P.C.
CAD-CON INCORPORATED
SITE & EROSION CONTROL PLAN
WILLIAMS OF LOVA BEACH, SECTION 1, AREA 1, LOT 180, PARCEL 207, TAX MAP 30, BLOCK 24
BUILDING ADDITIONS, RENOVATIONS TO ORIGINAL SDP NO.72-10 3 OF 14
C-3 SDP 88-147



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:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/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 (9 lbs/1000 sq ft).
- 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 disc 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. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1 1/2 ton 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.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseeding.

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.

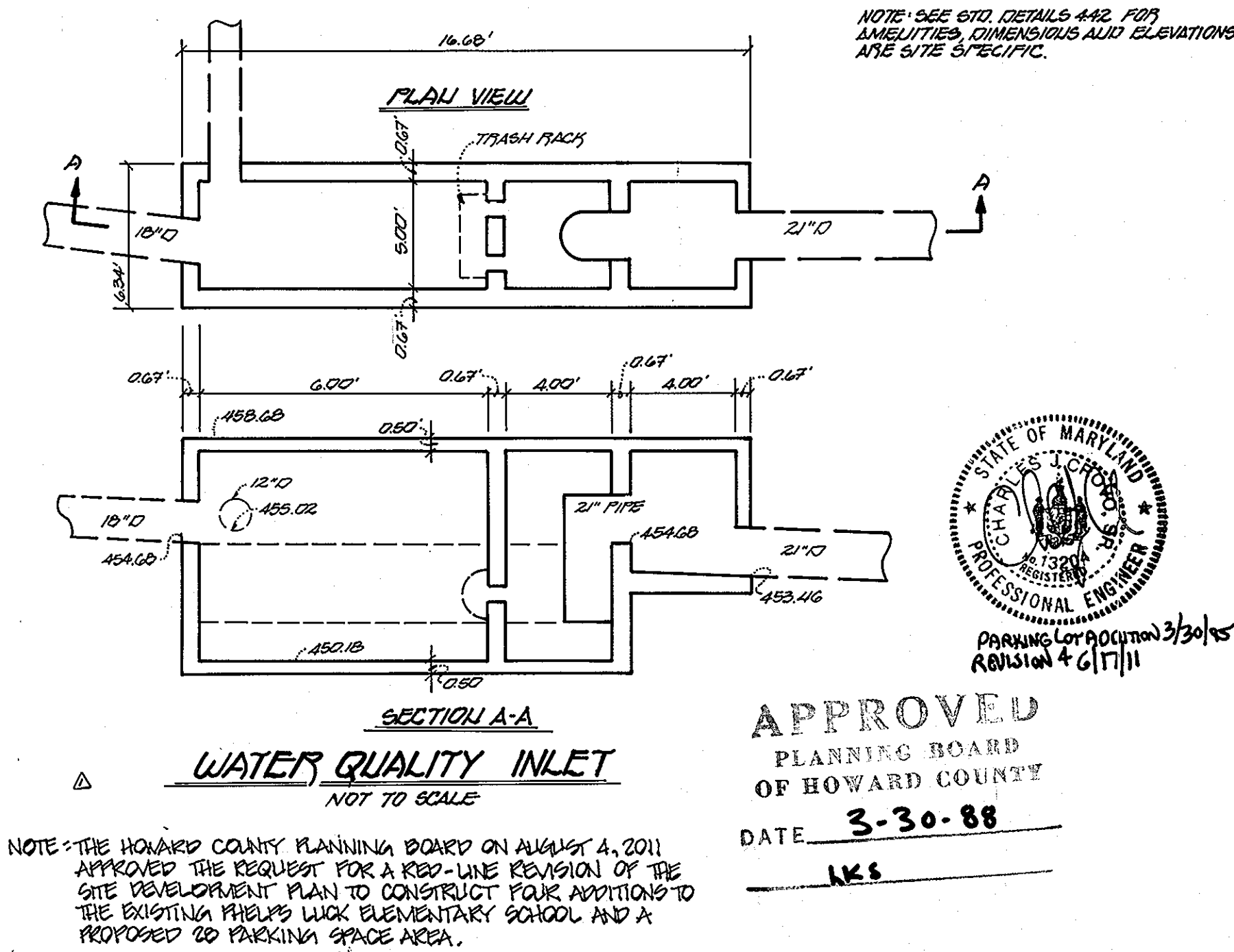
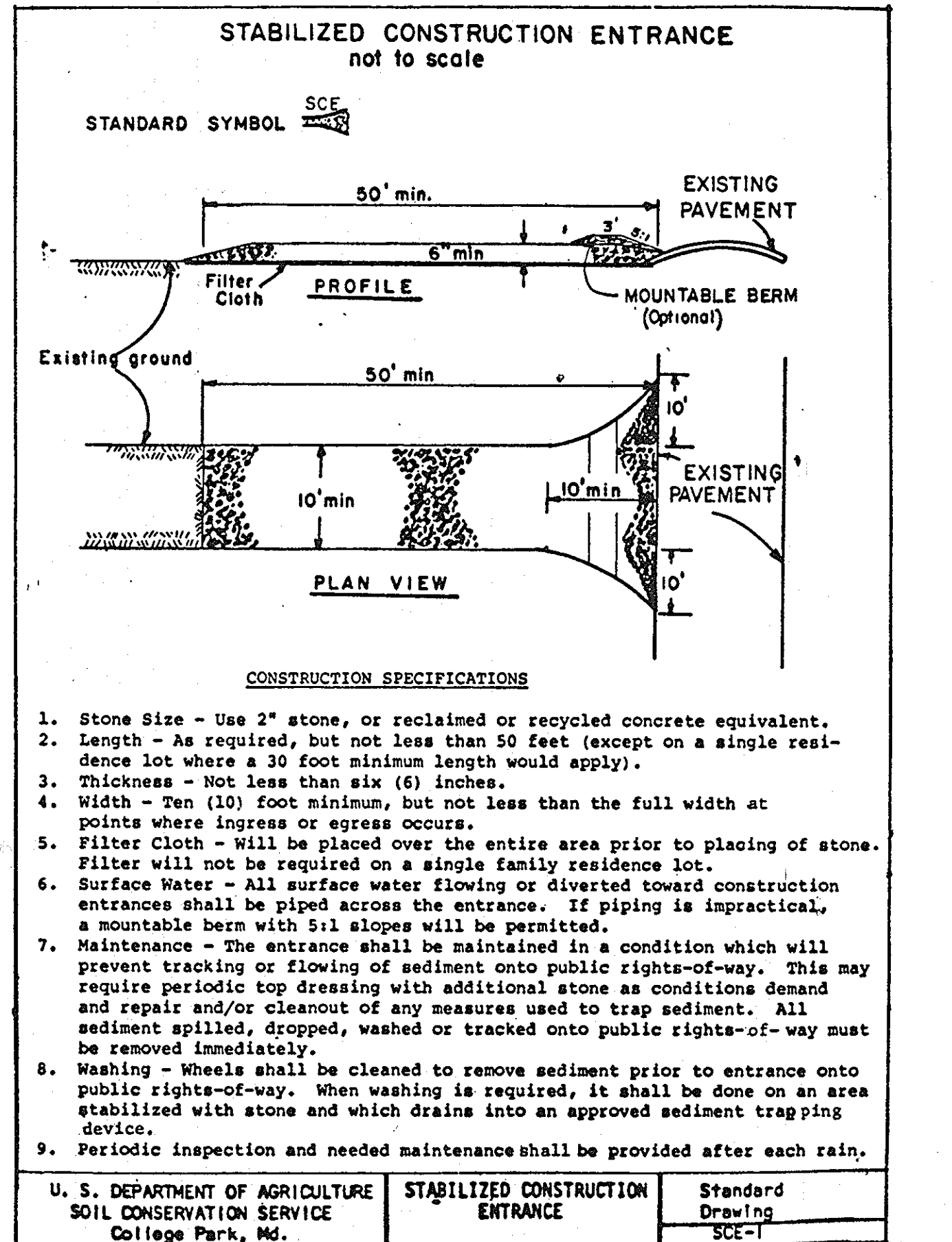
Soil Amendments: Apply 60 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. anchor mulch immediately after application using mulch anchoring tool.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rates and methods not covered.

- SEDIMENT CONTROL NOTES**
- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
 - All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
 - All sediment traps/basins shown must be fenced and warning signs posted their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - All disturbed areas must be stabilized within the time period specified in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT 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.
 - All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 - Site Analysis:
Total Area of Site 10 Acres
Area Disturbed 0.64 Acres
Area to be roofed or paved 0.26 Acres
Area to be vegetatively stabilized 0.31 Acres
Total Cut 49 Cu. yds
Total Fill 115 Cu. yds
Offsite waste/borrow area location N/A
 - Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 - Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
 - On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
 - Infiltration dry well shall not be constructed or placed into service until all of contributing drainage areas have been stabilized and approved by the responsible inspector. Section of roof storm lateral draining to dry well will be temporarily plugged and roof water will spill out over surcharge splash block until dry well is placed in service.



Owner: Howard County Public Schools
10910 Route 108
Ellicott City, MD 21043
(301) 992-0500

LOT NUMBER	STREET ADDRESS
563	5370 OLDSTONE COURT

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
VLR-PHELPS LUCK ELEM. SCHOOL	1/1	563/289

PLAT # OR L/P BLOCK #	ZONE	TAX/RATE MAP	FILE, DIST.	CONDS. TR.
PB18/FOL. 47	24	30	6	6045.00

WATER CODE	SEWER CODE
607	5636000

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE 5-2-88

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 5/16/88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 4-25-88

DATE	REVISION	TITLE BLOCK AND SHEET NO.
4/17/88	REVISED	WATER QUALITY INLET DETAIL (PCE)
3/20/88	PER HO. CO. COMMENTS	
4/20/88	PER HO. CO. COMMENTS	
2/25/88	HO. CO. SUBMITTAL	
Date	Issued/Revised	

Project Number 87007

**Additions/Renovations to
Phelps Luck Elementary School
Howard County Public Schools**

**Murray & Associates
ARCHITECTS**
A Professional Corporation
116 Commerce Street, Alexandria, Virginia 22314
(703) 548-3322

POTOMAC ENERGY GROUP, INC.
MECHANICAL, ELECTRICAL
Consulting Engineers
Alexandria, Virginia (703) 683-5000

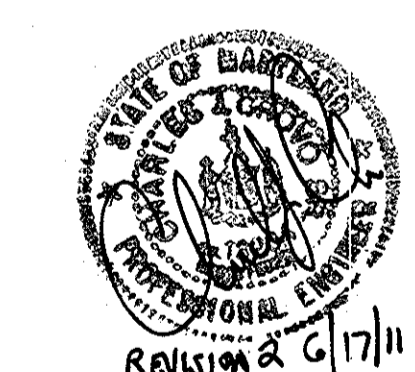
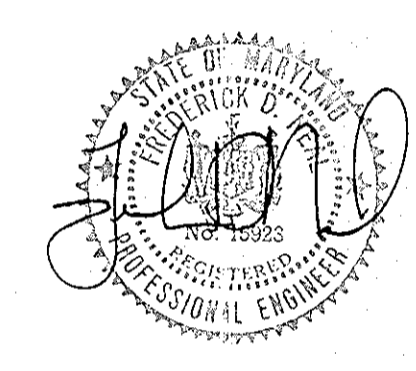
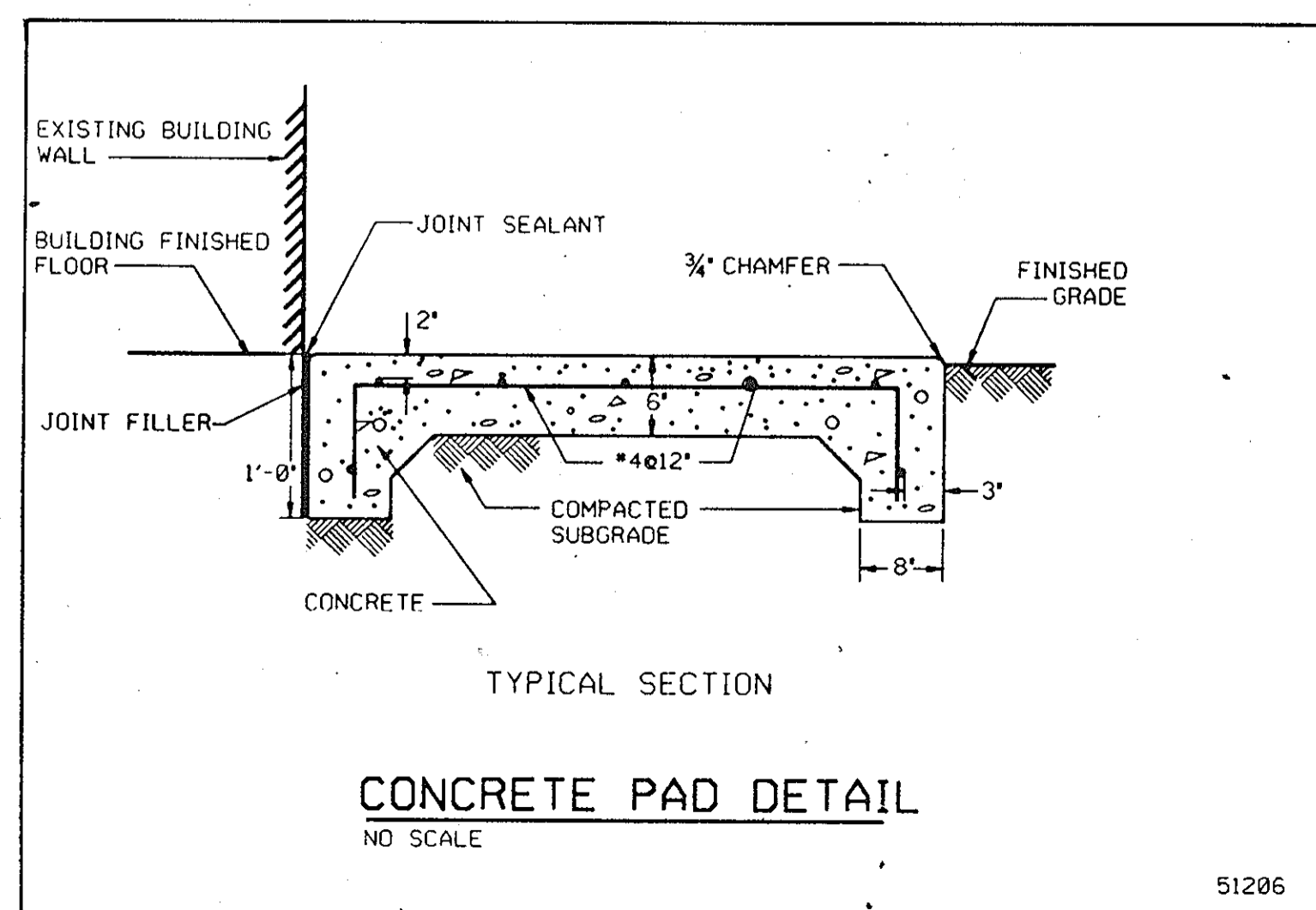
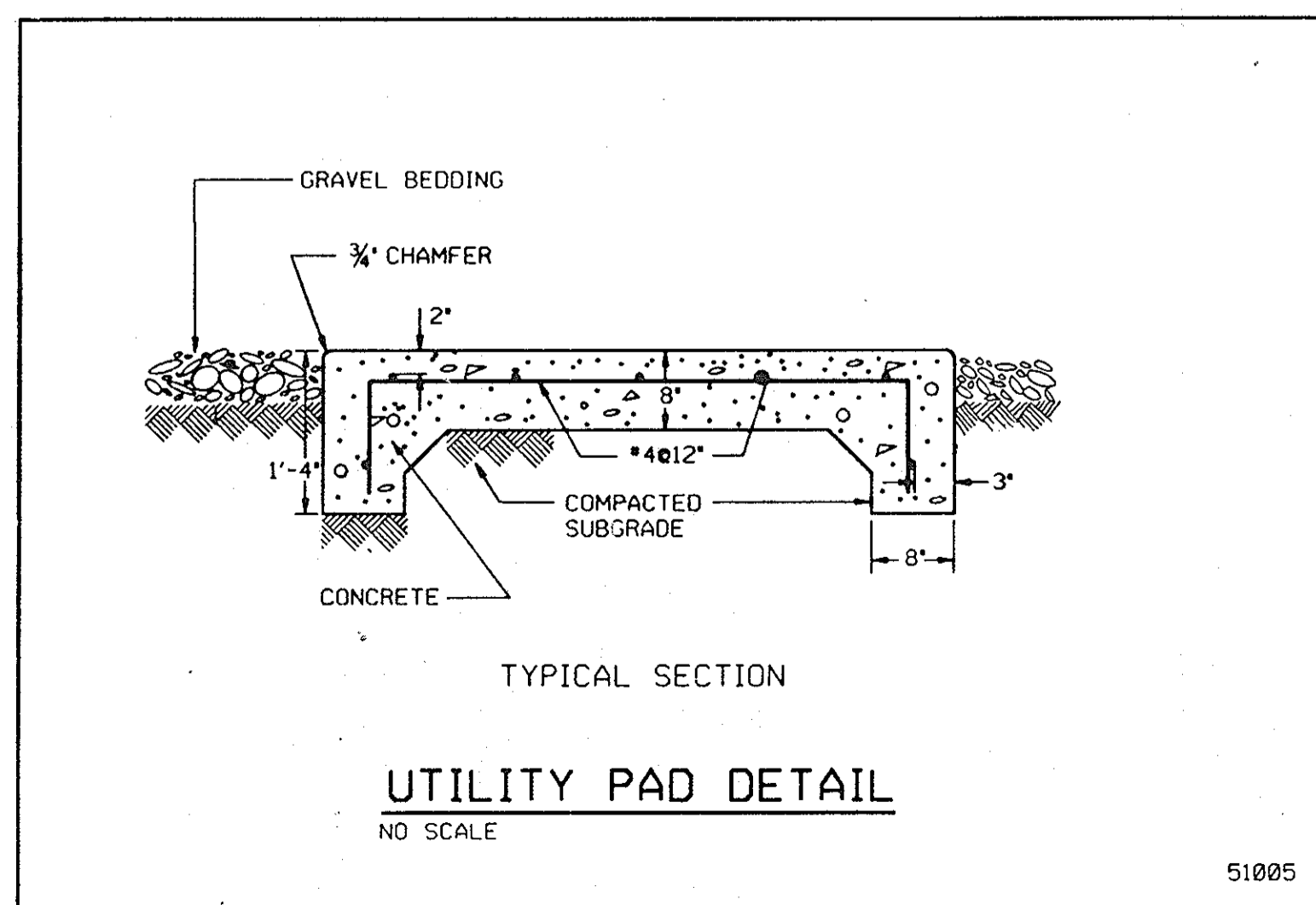
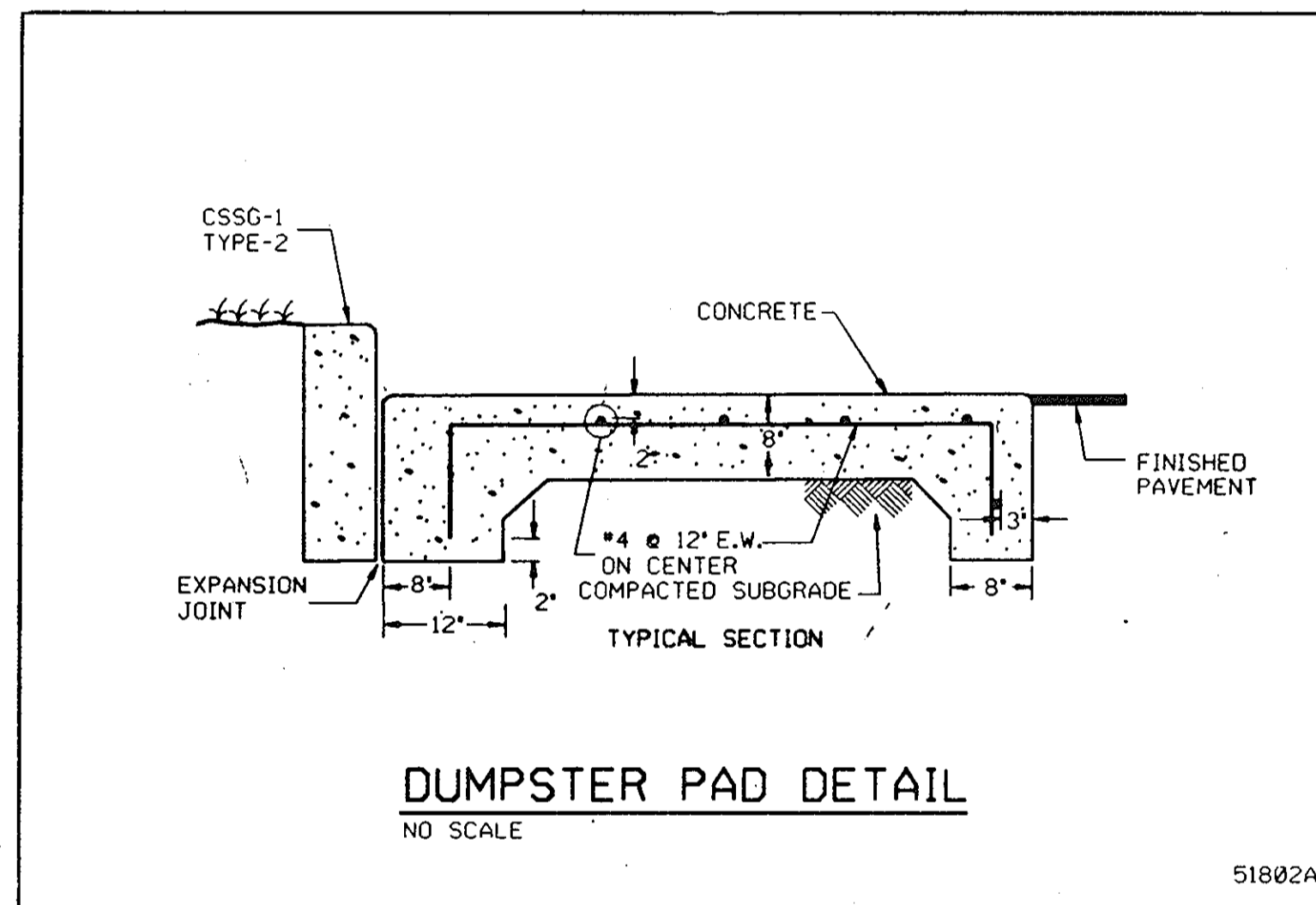
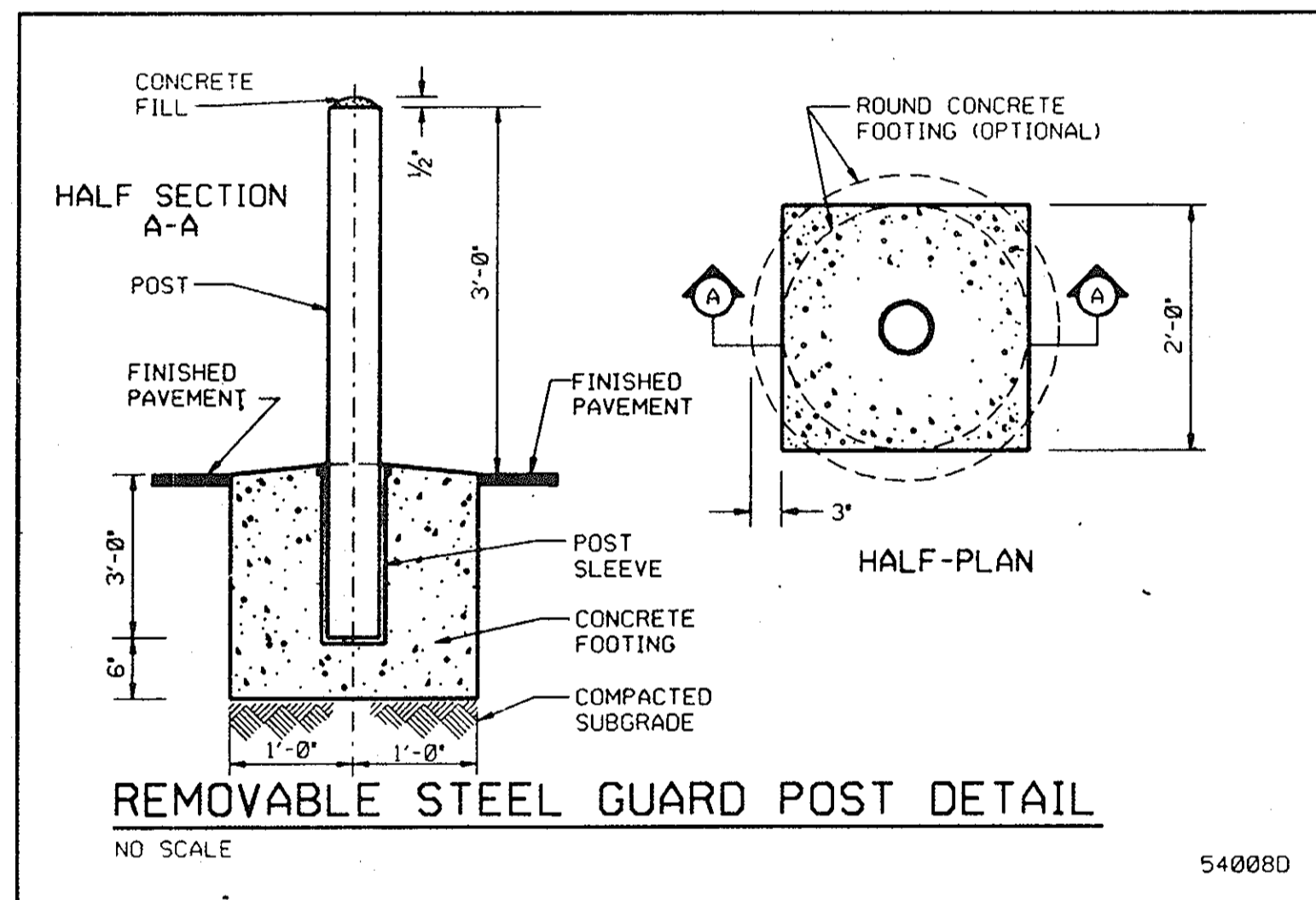
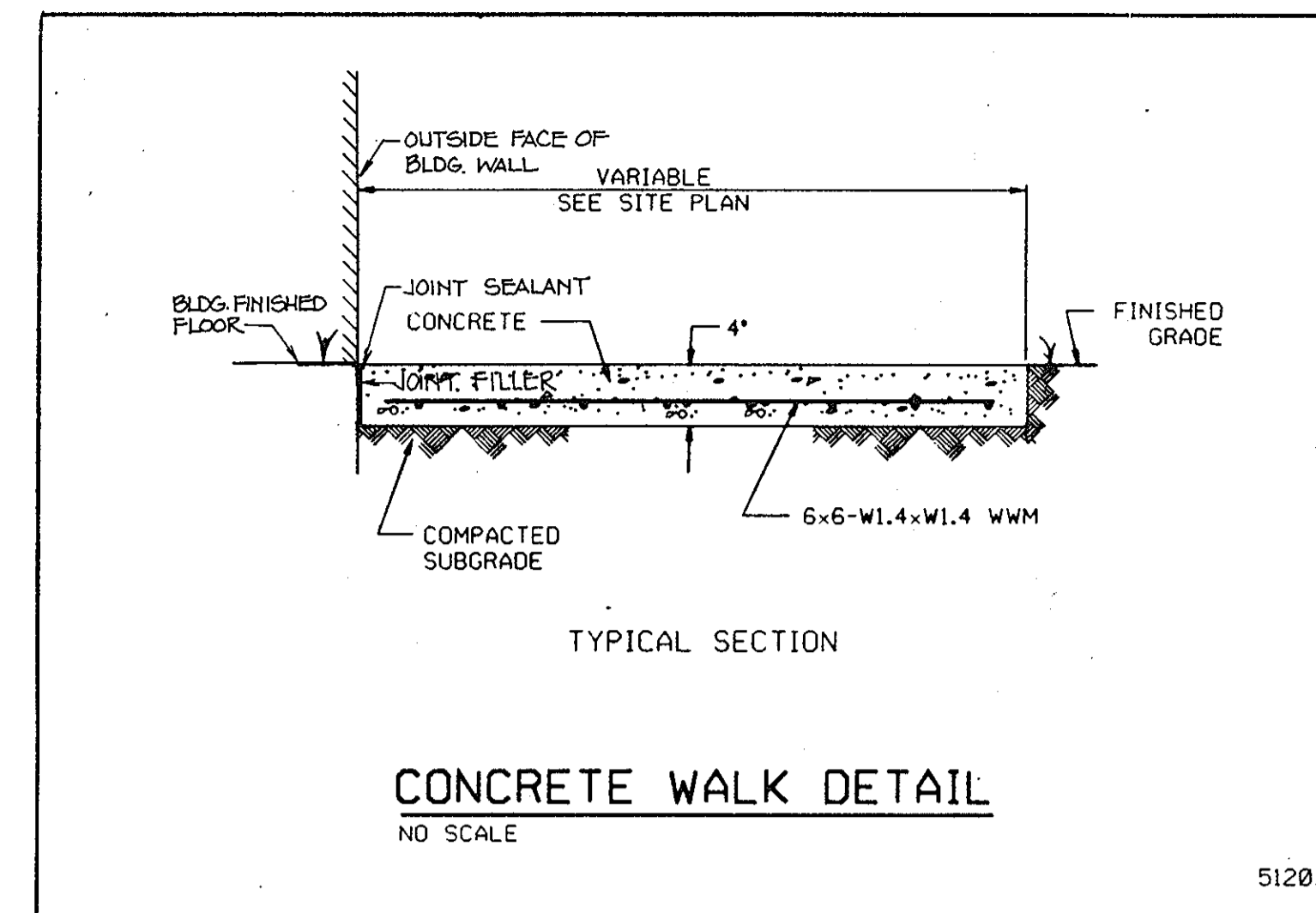
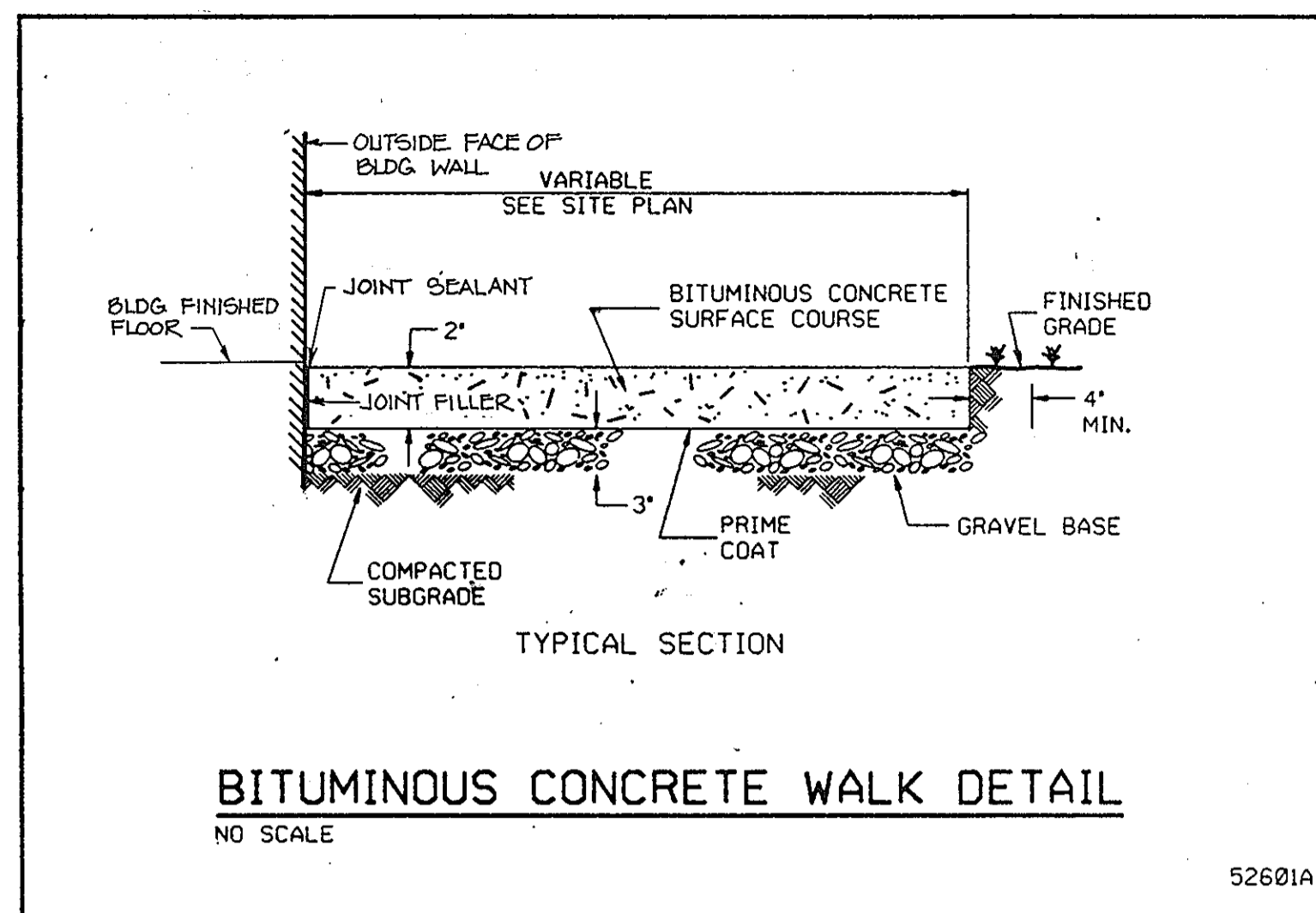
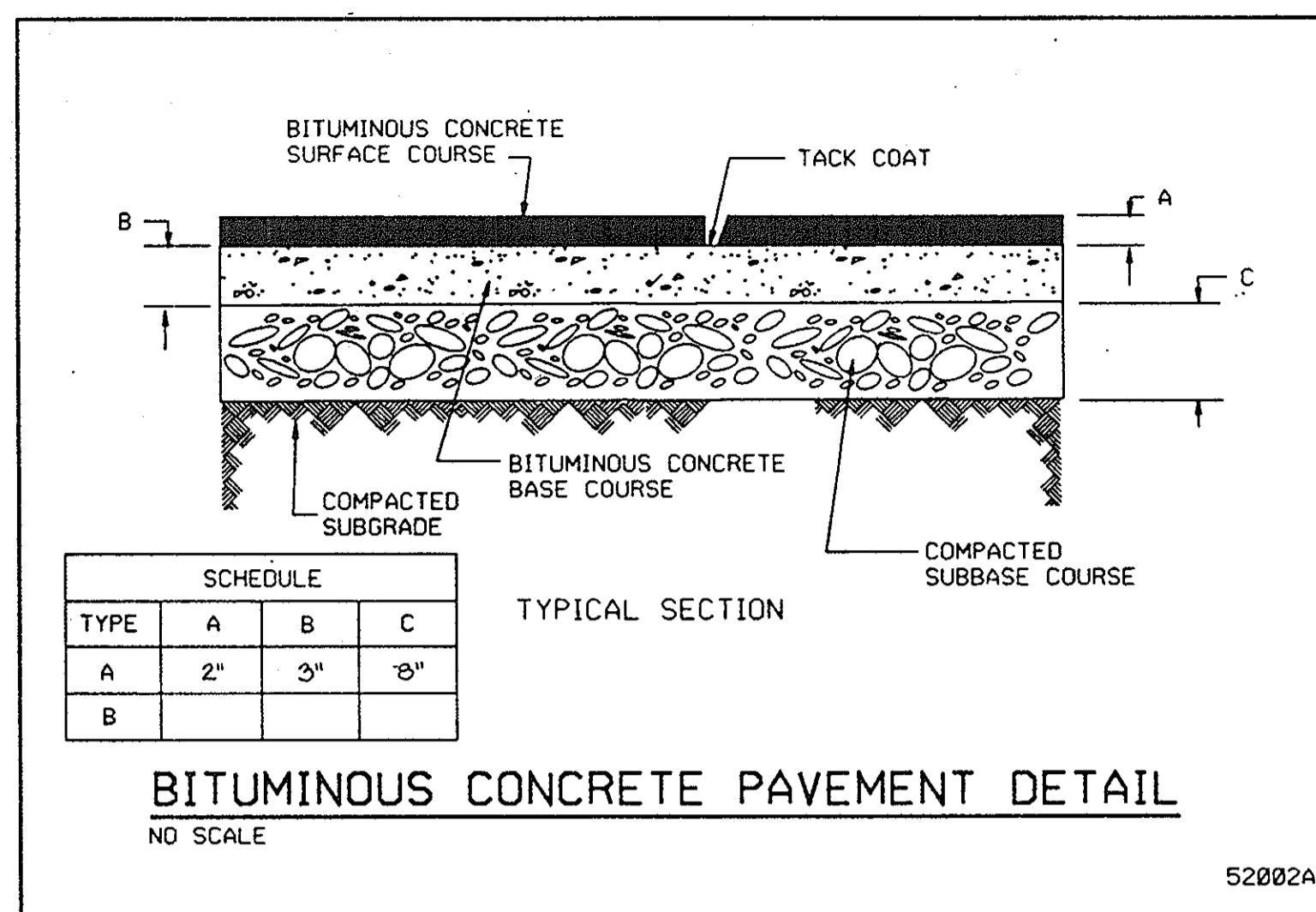
MESEN ASSOCIATES, P.C.
904 PRINCE STREET - SUITE 201
ALEXANDRIA, VIRGINIA 22314
STRUCTURAL
(703) 684-8664

CAD-CON INCORPORATED
CIVIL ENGINEERS
3025 HANNAH COURT SUITE 201
FAIRFAX, VIRGINIA 22038
(703) 280-2585

**EROSION CONTROL
DETAILS & NOTERS**
VILLAGE OF LONG BEACH, SECTION 1, AREA 1
LOT 203, PARCEL 029, TAX MAP 30 BLOCK 24
BUILDING ADDITIONS/
RENOVATIONS TO
ORIGINAL SDP NO.72-10 4 OF 14

**C-4
SDP 88-147**

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APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 3-30-88
LKS

NOTE: THE HOWARD COUNTY PLANNING BOARD ON AUGUST 4, 2011 APPROVED THE REQUEST FOR A RED-LINE REVISION OF THE SITE DEVELOPMENT PLAN TO CONSTRUCT FOUR ADDITIONS TO THE EXISTING PHELPS LUCK ELEMENTARY SCHOOL AND A PROPOSED 20 PARKING SPACE AREA.

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
563	5970 OLDSTONE COURT

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
MLR - PHELPS LUCK ELEM. SCHOOL	1 / 1	563 / 289
PLAT # OR L/T	ZONE	TAX/ZONE MAP
PB18 / FOL. 47	24	30
WATER CODE	SEWER CODE	ELEC. DIST. / CONDL. TR.
607	5636000	606500

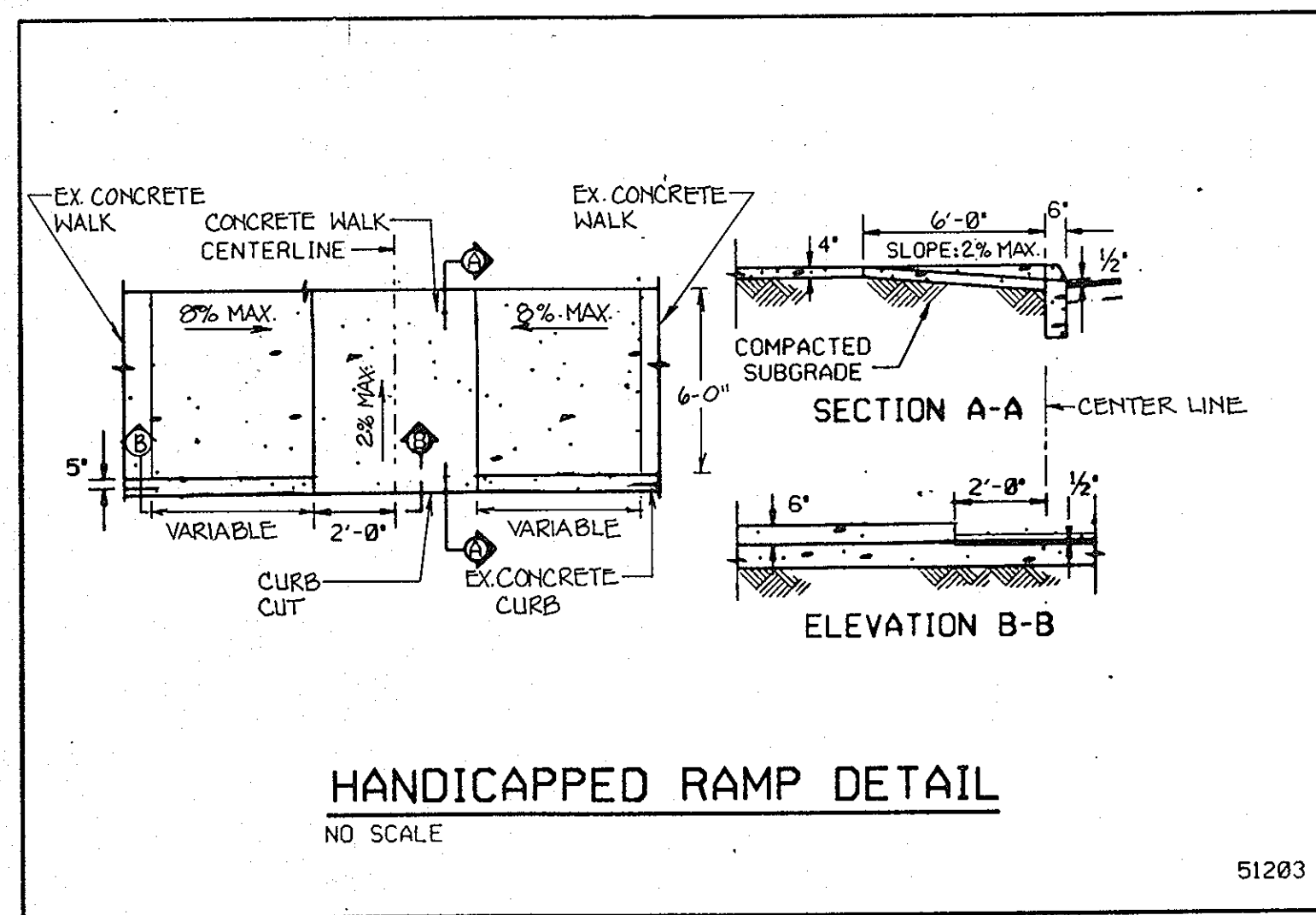
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: [Signature] DATE: 5-2-88

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DIRECTOR: [Signature] DATE: 5/10/88

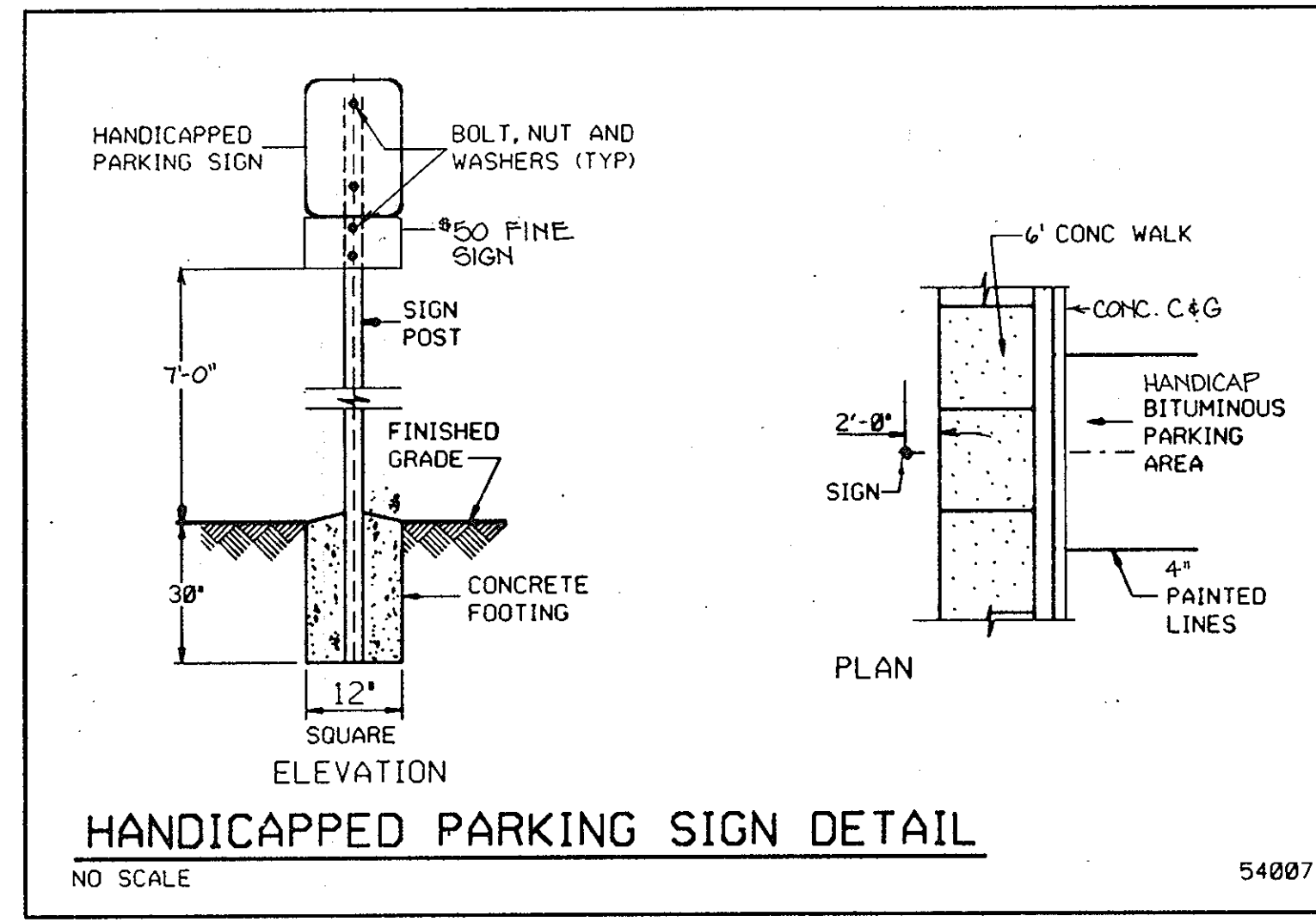
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: [Signature] DATE: 4-25-88

2	6/17/11	REVISED TITLE BLOCK AND SHEET NO.
	2/25/88	HO. CO. SUBMITTAL
Date	Issued/Revised	
Project Number 87007		
Additions/Renovations to Phelps Luck Elementary School Howard County Public Schools		
Murray & Associates ARCHITECTS A Professional Corporation 116 Commerce Street, Alexandria, Virginia 22314 703 548-3322		
POTOMAC ENERGY GROUP, INC. MECHANICAL, ELECTRICAL, Consulting Engineers Alexandria, Virginia (703) 683-5000		
MESON ASSOCIATES, P.C. 304 Prince Street - Suite 201 ALEXANDRIA, VIRGINIA 22314 STRUCTURAL (703) 584-8664		
CAD-CON INCORPORATED CIVIL ENGINEERS 3025 HAMAKER COURT SUITE 201 FAIRFAX, VIRGINIA 22031 703 280 1258		
SITE DETAILS VILLAGE OF LONG BEACH SECTION 1 AREA 1 LOT 503 PARCEL 289 TAX MAP 30 BLOCK 24		
BUILDING ADDITIONS/ RENOVATIONS TO ORIGINAL SDP NO.72-10 5 OF 14		

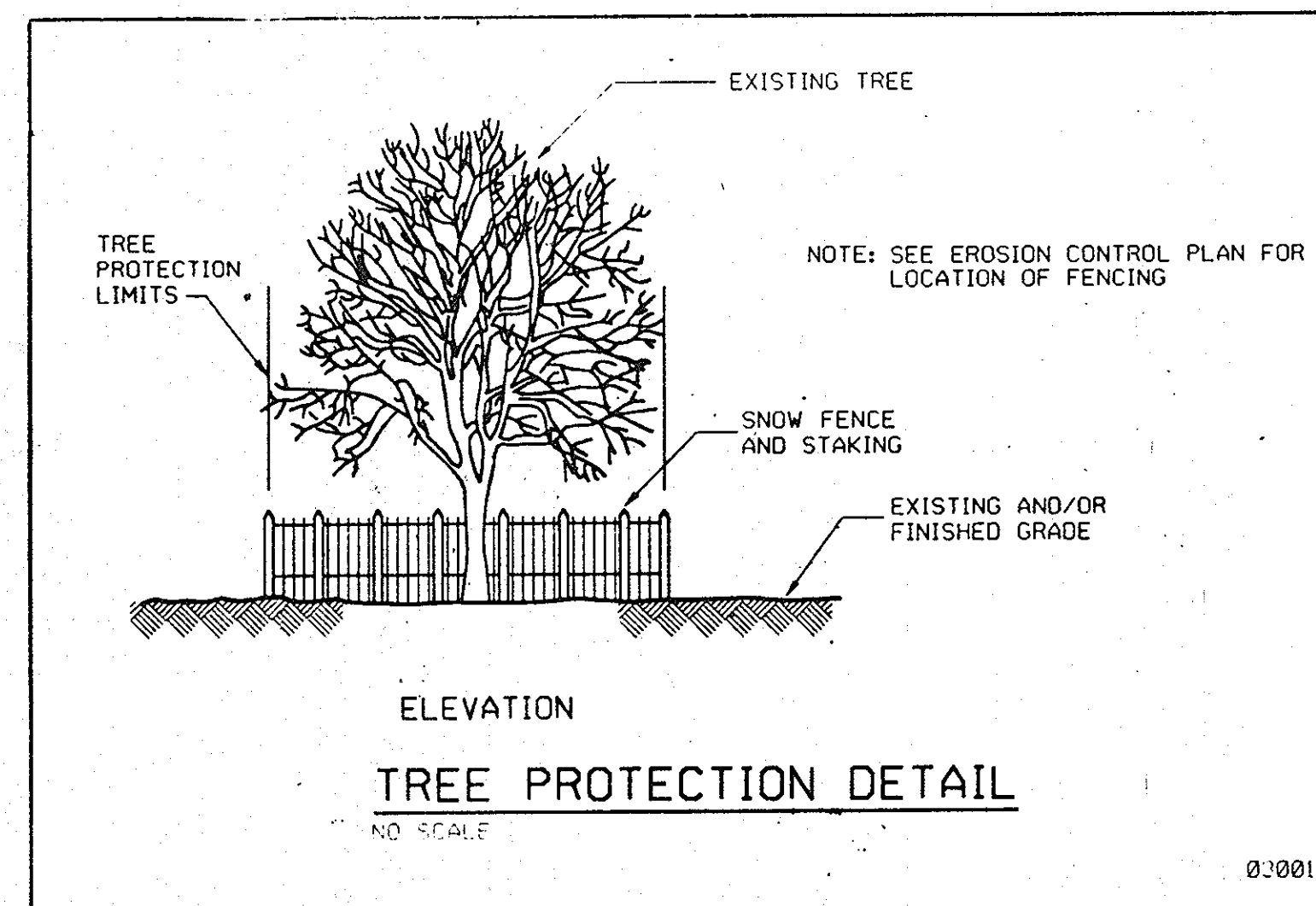
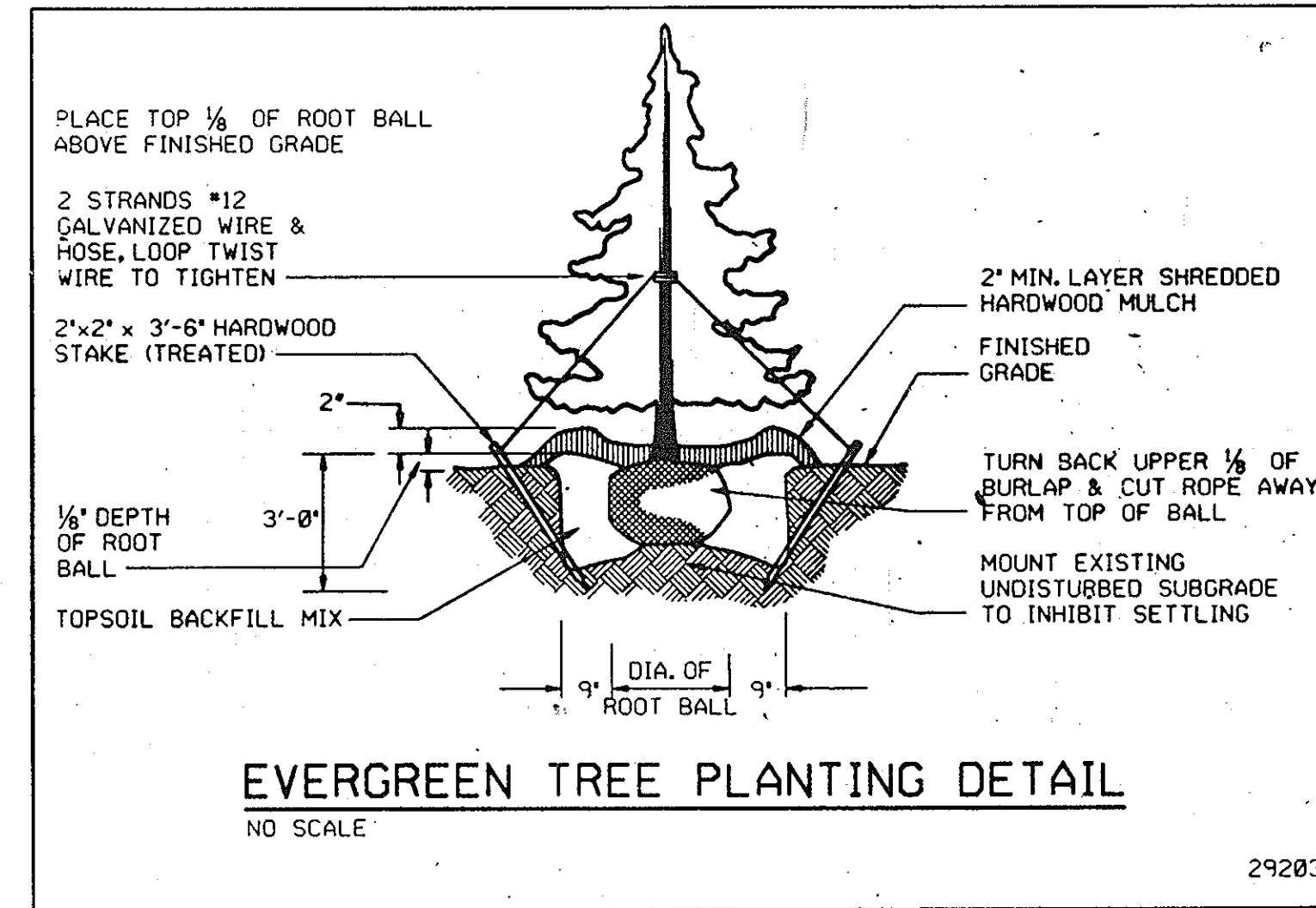
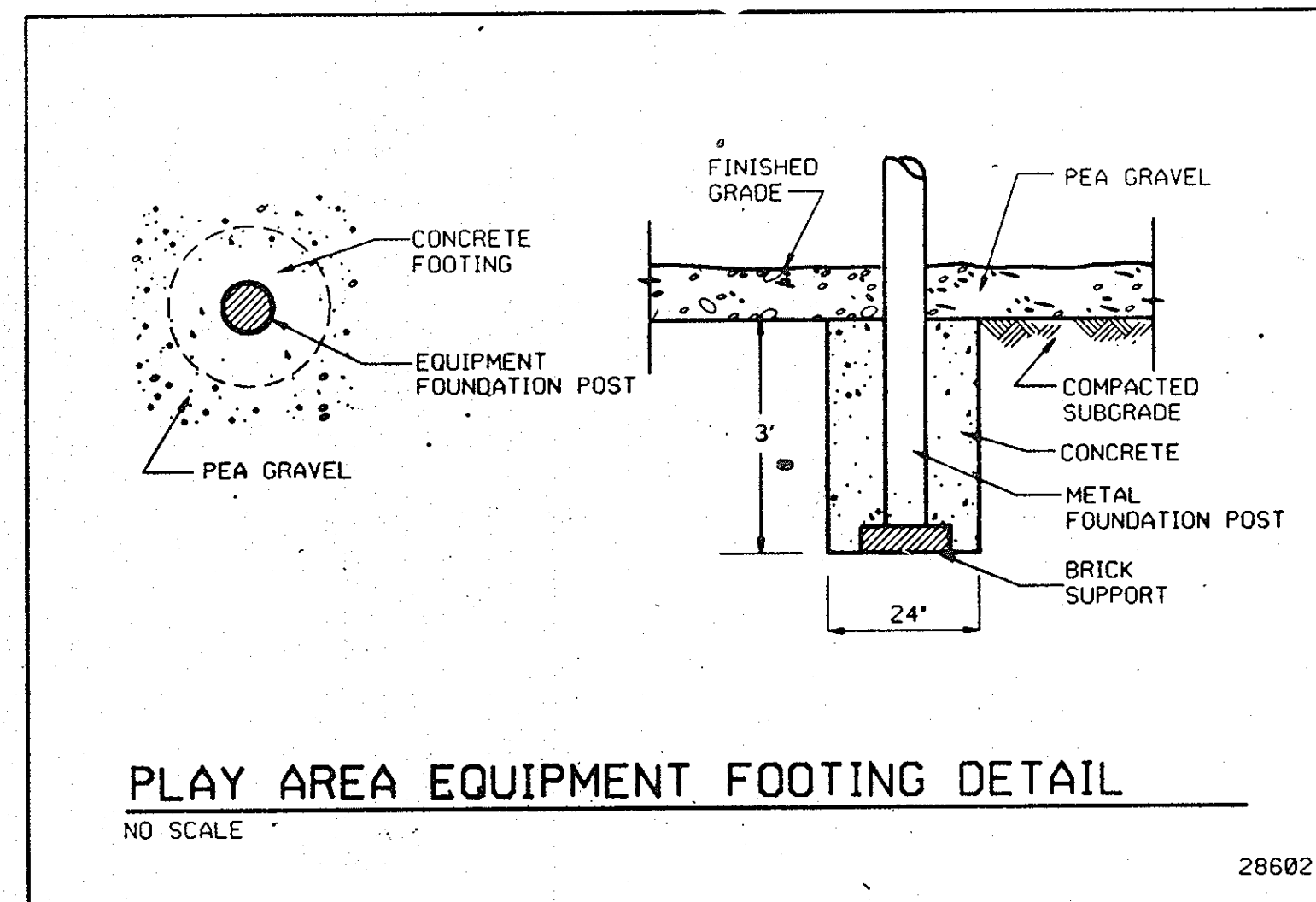
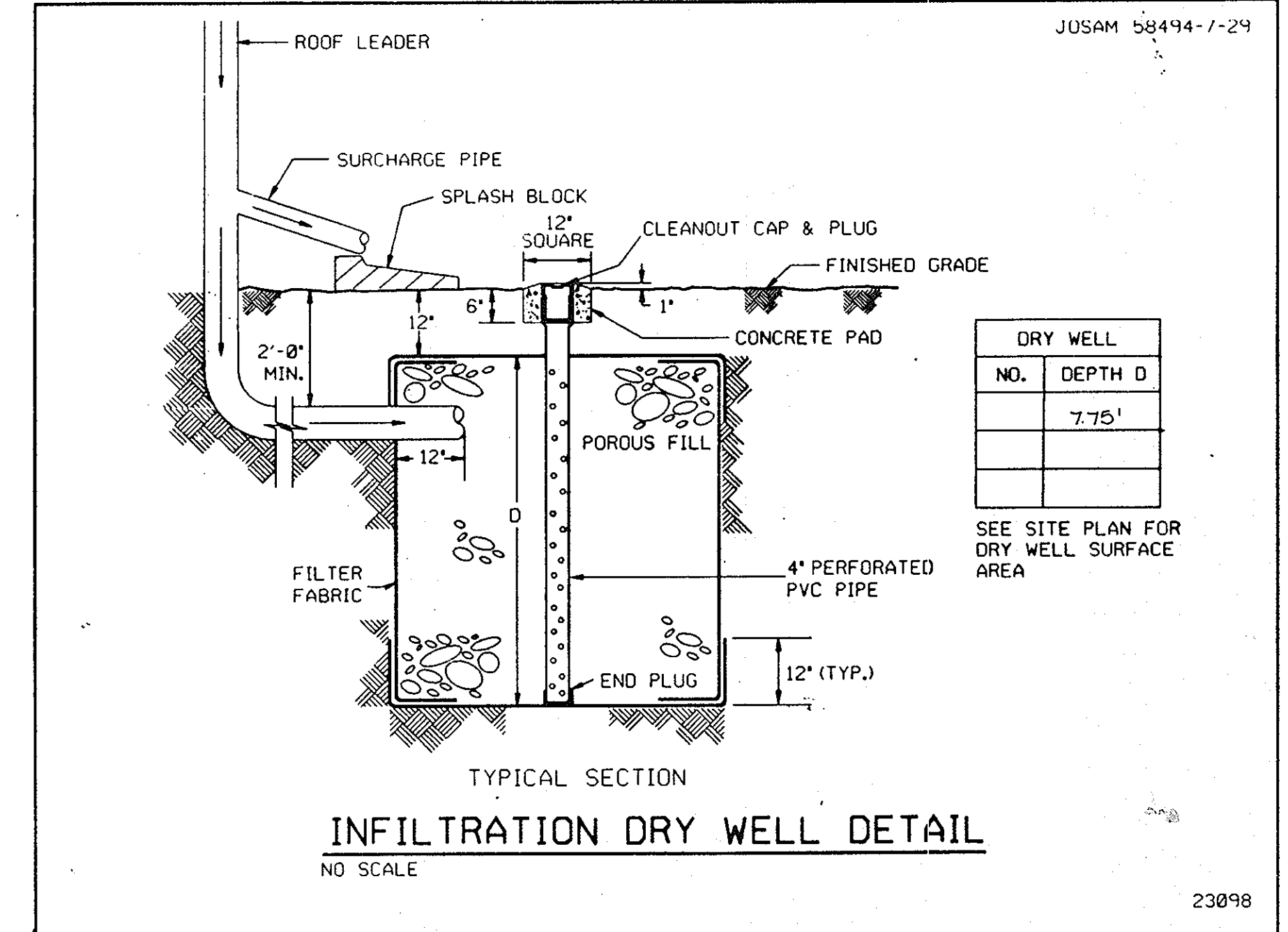
Owner: Howard County Public Schools
10910 Route 108
Ellicott City, MD 21043
(301) 992-0500



NOTE: CONTRACTOR TO ADJUST LIMITS OF REMOVAL IN ORDER TO PROVIDE SLOPES INDICATED.

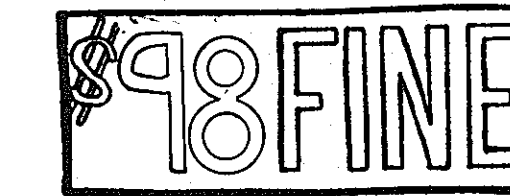


NOTE: SEE HANDICAPPED PARKING SIGN SPECIFICATIONS THIS SHEET.



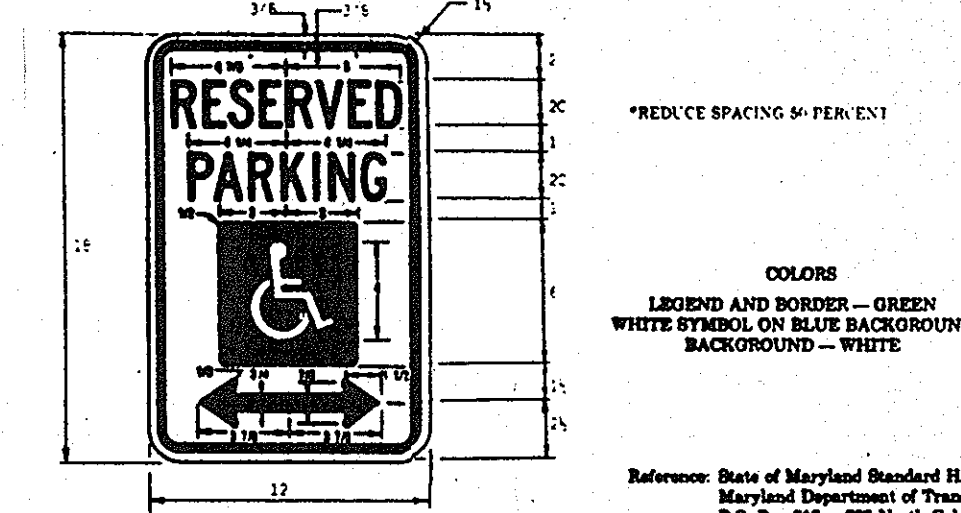
HANDICAPPED PARKING SIGN SPECIFICATIONS

I. Fine Sign:
Pursuant to Howard County Council Bill #58-84, which established a \$50.00 fine for violating provisions for handicapped parking and provided for posting notifications of that fine, this specification describes the sign authorized for posting and the associated mounting detail.



Sign to utilize an aluminum blank 6" x 12" x 0.080 inch thick with two (2) single post mounting holes. The text and border shall be standard green to match the R7-8 reserved parking sign and the background shall be reflective white. The text shall be 3" characters.

II. Mounting:
The above fine sign shall be mounted underneath the below R7-8 reserved parking sign. The bottom edge shall be no less than 7 feet above ground. If the sign is placed against a building, structure or other location where vehicle or pedestrian traffic is not obstructed, the bottom edge of the sign shall be at least 6 feet, but no more than 10 feet above ground. Because this is in addition to existing sign installations, some adjustment in height will be necessary.



Reference: State of Maryland Standard Highway Sign Booklet, Maryland Department of Transportation, P.O. Box 717 - 707 North Calvert Street, Baltimore, Maryland 21202

Elizabeth Bobo, County Executive
James M. Irvin, Director of Public Works

APPROVED
PLANNING BOARD
OF HOWARD COUNTY

DATE: 3-30-88

LKS

NOTE: THE HOWARD COUNTY PLANNING BOARD ON AUGUST 4, 2011 APPROVED THE REQUEST FOR A 200- LINE REVISION OF THE SITE DEVELOPMENT PLAN TO CONSTRUCT FOUR ADDITIONS TO THE EXISTING PHELPS LUCK ELEMENTARY SCHOOL AND A PROPOSED 20 PARKING SPACE AREA.

ADDRESS CHAIN	
LOT NUMBER	STREET ADDRESS
563	5370 OLDSTONE COURT
SUBDIVISION NAME: VLR-PHELPS LUCK ELEM. SCHOOL	
SECT./AREA	LOT/PARCEL #
1/1	563/289
PLAN # OR LOT BLOCK	LINE
PB18/FOL47	24
TIME	DATE
11:00 AM	3/30/88
WATER CODE	SEWER CODE
601	5636000

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: [Signature] DATE: 5-2-88

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DIRECTOR: [Signature] DATE: 5/10/88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: [Signature] DATE: 4-25-88

CHIEF BUREAU OF ENGINEERING: [Signature]

Owner: Howard County Public Schools
10910 Route 108
Ellicott City, MD 21043
(301) 992-0500

Date	Issued/Revised
4/17/11	REVISED TITLE BLOCK AND SHEET NO.
9/22/95	REVISED HOURLY FINE \$50 TO \$75.
4/20/88	PER HO CO COMMENTS
2/25/88	HO CO SUBMITTAL

Project Number 87007

Additions/Renovations to
Phelps Luck Elementary School
Howard County Public Schools

Murray & Associates
ARCHITECTS
A Professional Corporation
116 Commerce Street, Alexandria, Virginia 22314
703 548-3122

POTOMAC ENERGY GROUP, INC.
MECHANICAL, ELECTRICAL,
Consulting Engineers
Alexandria, Virginia (703) 683-5000

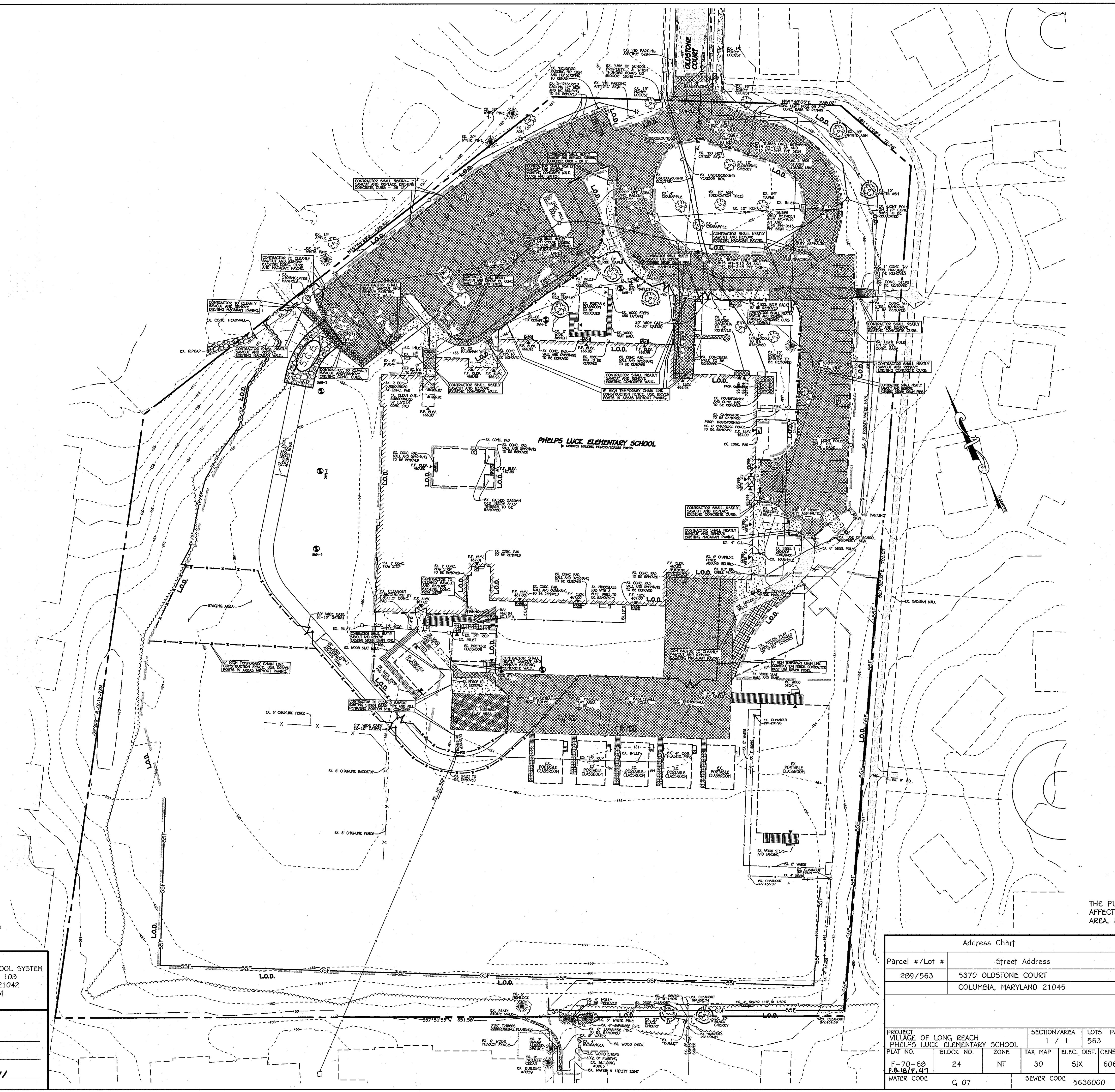
MESEN ASSOCIATES, P.C.
904 PRINCE STREET - SUITE 201
ALEXANDRIA, VIRGINIA 22314

CAD-CON INCORPORATED
CIVIL ENGINEERS
3025 HANNAH COURT SUITE 201
FAIRFAX, VIRGINIA 22031
703 280 2360

SITE DETAILS
VILLAGE OF LOVA BEACH
SECTION 1 AREA 1
LOT 803 PARCEL 020
TAX MAP 90 BLOCK 24

BUILDING ADDITIONS/
RENOVATIONS TO
ORIGINAL SDP NO.72-10 6 OF 14

C-6
SDP 88-147



NOTE: THE HOWARD COUNTY PLANNING BOARD ON AUGUST 4, 2011 APPROVED THE REQUEST FOR A RED-LINE REVISION OF THE SITE DEVELOPMENT PLAN TO CONSTRUCT FOUR ADDITIONS TO THE EXISTING PHELPS LUCK ELEMENTARY SCHOOL AND A PROPOSED 28 PARKING SPACE AREA.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (410) 461-2899

PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 10910 Maryland Route 108
 Ellicott City, Maryland 21042
 Attention Bruce Gist
 410-313-6805

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Thomas J. Butler 9-9-11 DATE
 DIRECTOR, DEPARTMENT OF PLANNING AND ZONING
David S. ... 9-08-11 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT
... 9-17-11 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

THE PURPOSE OF THIS PLAN IS TO SHOW THE DEMOLITION AREAS AFFECTED BY THE PROPOSED BUILDING ADDITIONS, PARKING SPACE AREA, PAVEMENT RESURFACING AND OTHER IMPROVEMENTS.



Address Chart	
Parcel #/Lot #	Street Address
209/563	5370 OLDSTONE COURT COLUMBIA, MARYLAND 21045

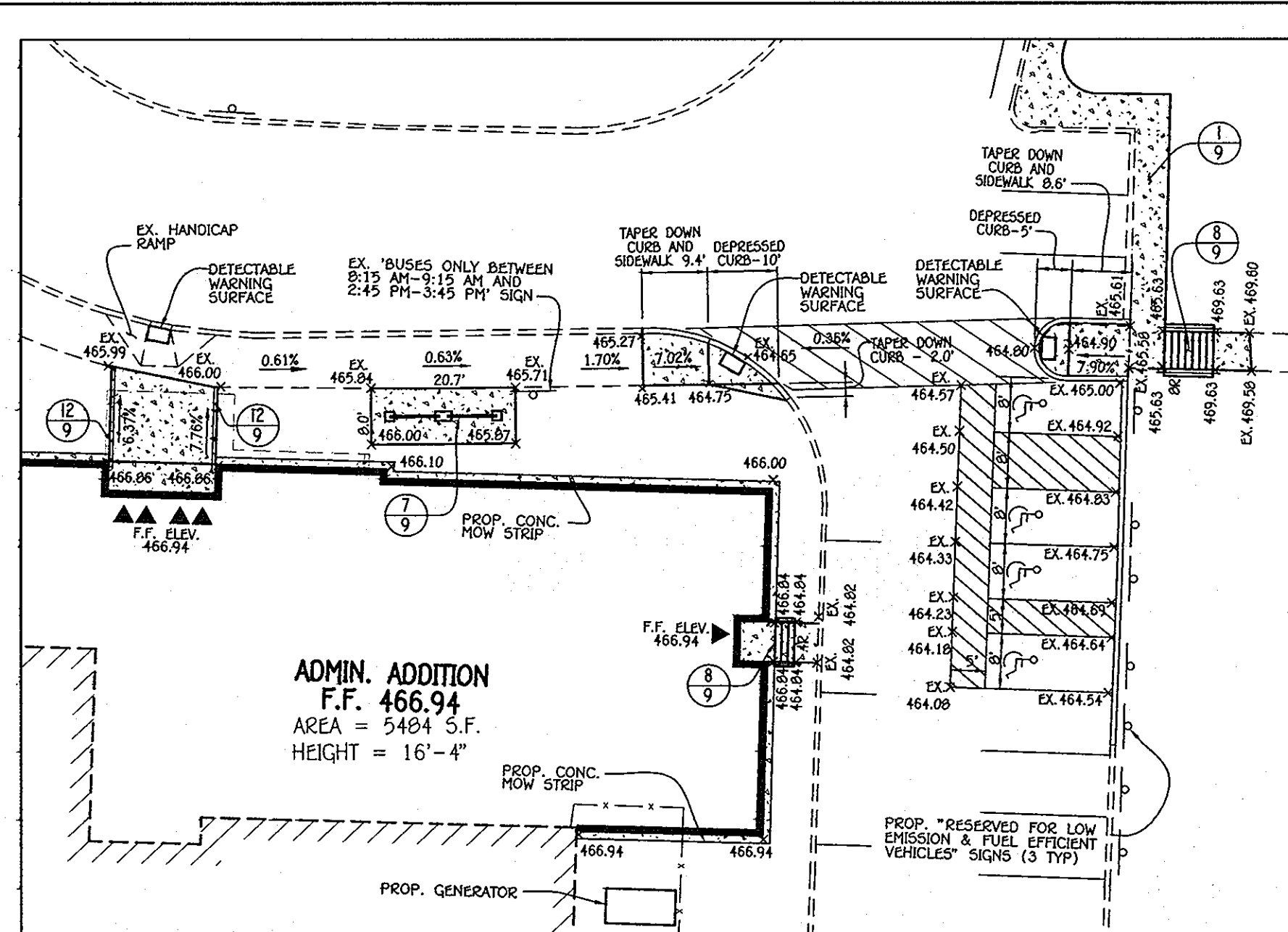
PROJECT		SECTION/AREA		LOTS PARCELS	
VILLAGE OF LONG BEACH PHELPS LUCK ELEMENTARY SCHOOL		1 / 1		563 209	
PLAT NO.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
F-70-68 P.B.16/F.41	24	NT	30	SIX	6065.00
WATER CODE		SEWER CODE			
G 07		5636000			

DEMOLITION PLAN

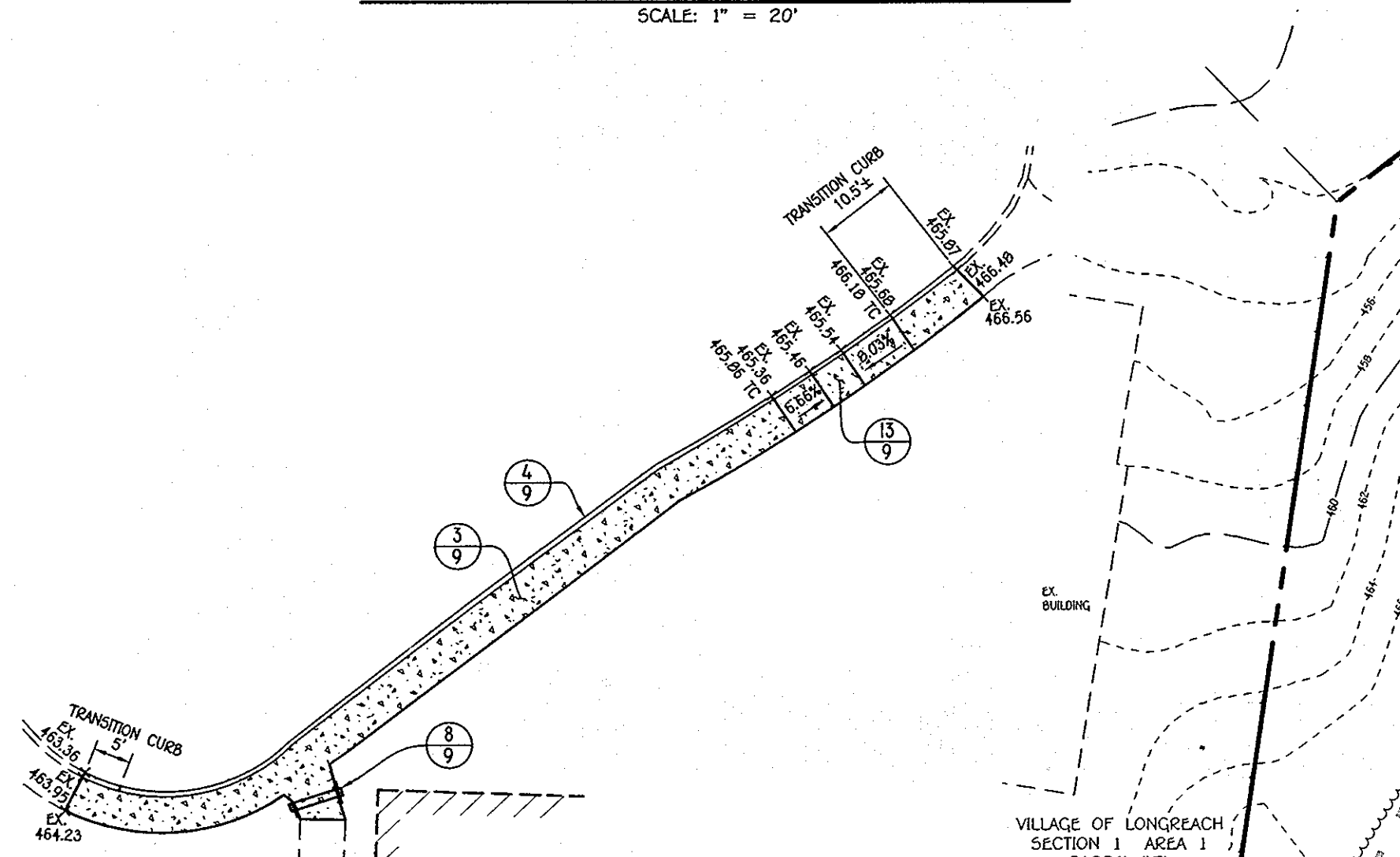
"REVISED SITE DEVELOPMENT PLAN"
PHELPS LUCK ELEMENTARY SCHOOL

VILLAGE OF LONG BEACH
 SECTION 1 AREA 1
 LOT 563 PARCEL 209
 TAX MAP 30 BLOCK 24

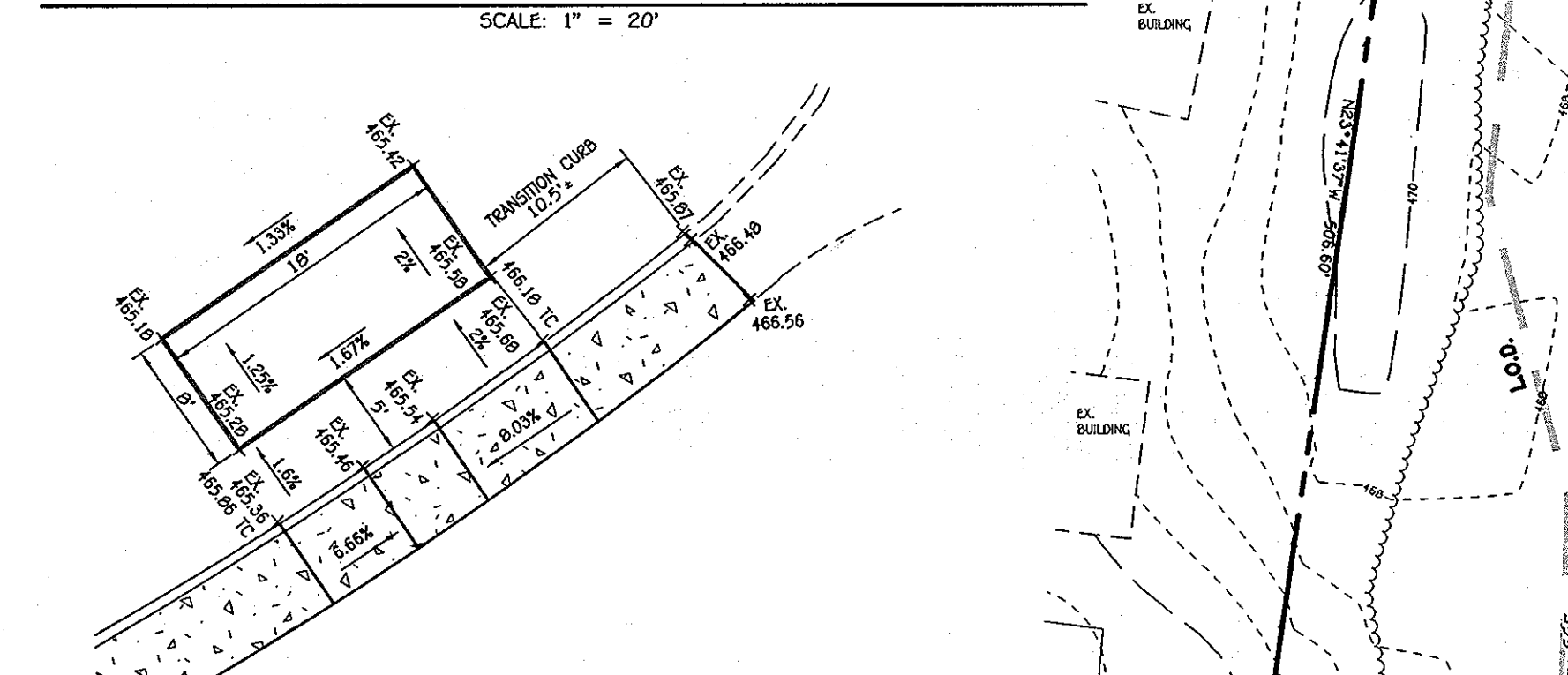
SCALE: 1" = 40' DATE: MAY 12, 2011
 SHEET 7 OF 14



HANDICAP ACCESS TO SCHOOL SIDEWALK
SCALE: 1" = 20'



HANDICAP CURB RAMP AND TRANSITION CURB DETAIL
SCALE: 1" = 20'



CAR DROP OFF AREA
SCALE: 1" = 10'

NOTE: THE HOWARD COUNTY PLANNING BOARD ON AUGUST 4, 2011 APPROVED THE REQUEST FOR A RED-LINE REVISION OF THE SITE DEVELOPMENT PLAN TO CONSTRUCT FOUR ADDITIONS TO THE EXISTING PHELPS LUCK ELEMENTARY SCHOOL AND A PROPOSED 28 PARKING SPACE AREA.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10722 BALDWIN ROAD, NATIONAL FIRE
ELICOTT CITY, MARYLAND 21042
(410) 461-2295

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
10910 Maryland Route 108
Ellicott City, Maryland 21042
Attention Bruce Gist
410-313-6805

APPROVED: DEPARTMENT OF PLANNING AND ZONING

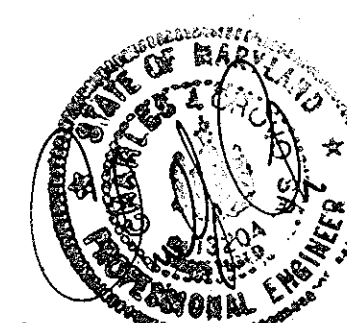
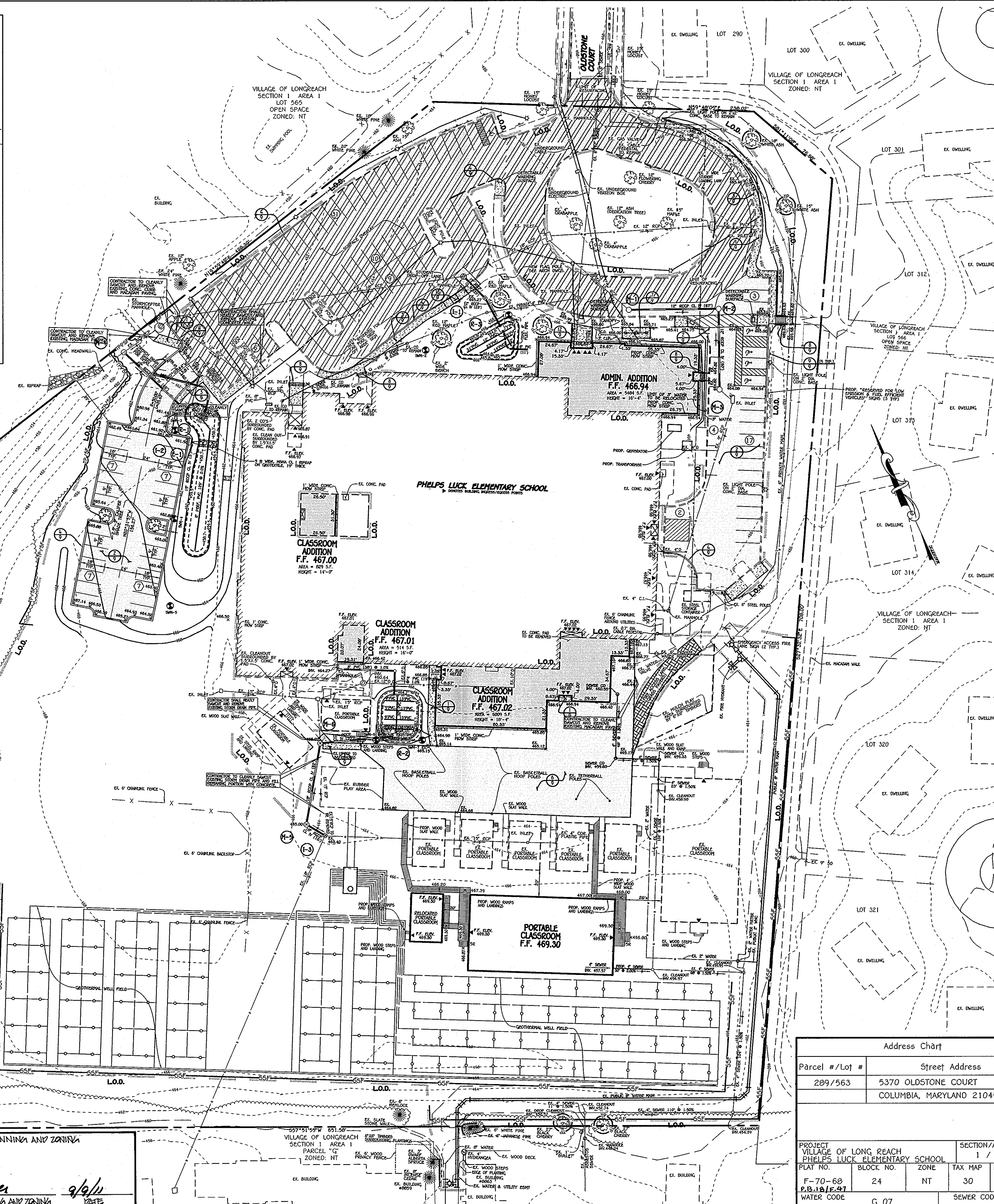
Walt DeLore
CHIEF, DIVISION OF LAND DEVELOPMENT
Chad Shank
CHIEF, DEVELOPMENT ENGINEERING DIVISION

9-08-11
DATE
9-7-11
DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Thomas S. Sotler
DIRECTOR, DEPARTMENT OF PLANNING AND ZONING

9/9/11
DATE



THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED BUILDING ADDITIONS, PARKING SPACE AREA, PAVEMENT RESURFACING, PORTABLE CLASSROOM AND OTHER IMPROVEMENTS.

This development plan is approved for soil erosion and sediment control by the HOWARD COUNTY SOIL CONSERVATION DISTRICT.

John K. Roberts 9/1/11
Howard SCD Date

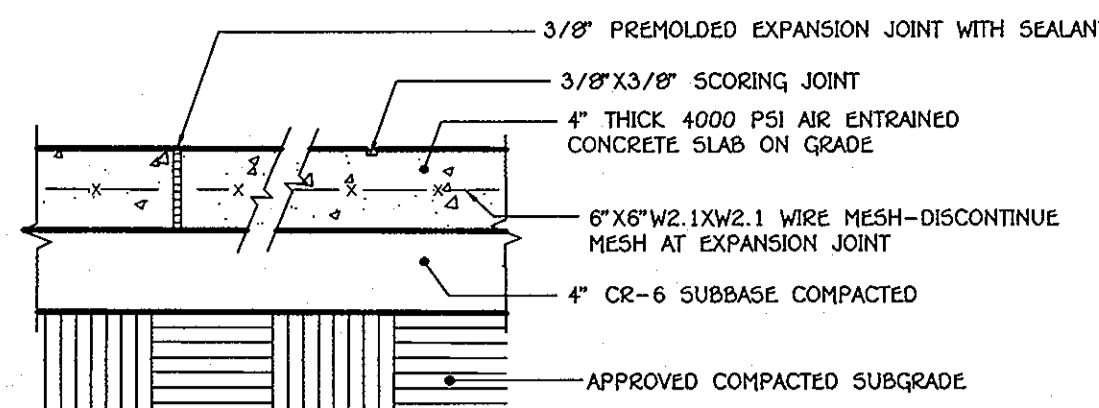
ENGINEER'S CERTIFICATE
"I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."
Chad Shank 9/17/11
Signature of Engineer Date

DEVELOPER'S CERTIFICATE
"I/We certify 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 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 inspection by the Howard Soil Conservation District."
Samuel 8/17/11
Signature of Developer Date

Address Chart	
Parcel #/Lot #	Street Address
289/563	5370 OLDSTONE COURT COLUMBIA, MARYLAND 21045

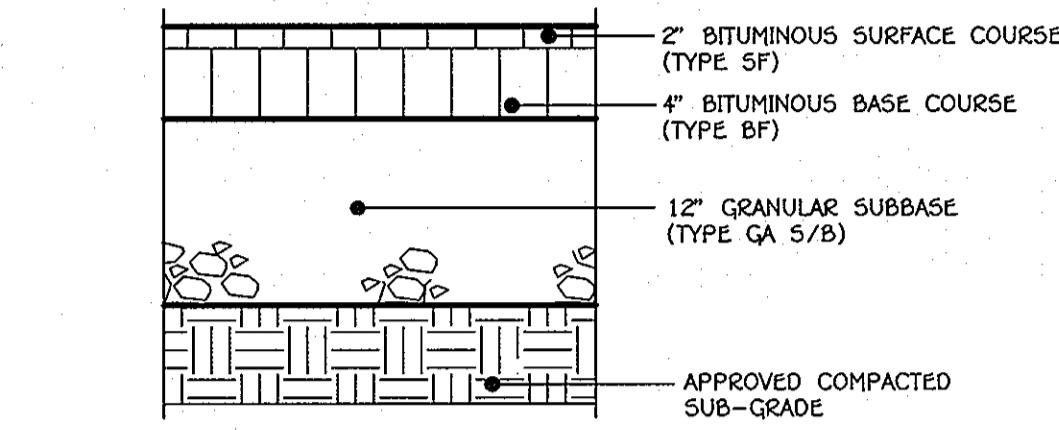
PROJECT	SECTION/AREA	LOTS	PARCELS
VILLAGE OF LONG REACH PHELPS LUCK ELEMENTARY SCHOOL	1 / 1	563	289
PLAT NO.	BLOCK NO.	ZONE	TAX MAP ELEC. DIST. CENSUS TR.
F-70-68 P.B.18/E.47	24	NT	30 SIX 6065.00
WATER CODE	G 07	SEWER CODE	5636000

SITE IMPROVEMENT PLAN AND SEDIMENT CONTROL PLAN	
"REVISED SITE DEVELOPMENT PLAN" PHELPS LUCK ELEMENTARY SCHOOL	
VILLAGE OF LONG REACH SECTION 1 AREA 1 LOT 563 PARCEL 289 TAX MAP 30 BLOCK 24 SCALE: 1" = 40' DATE: MAY 12, 2011 SHEET 8 OF 14	

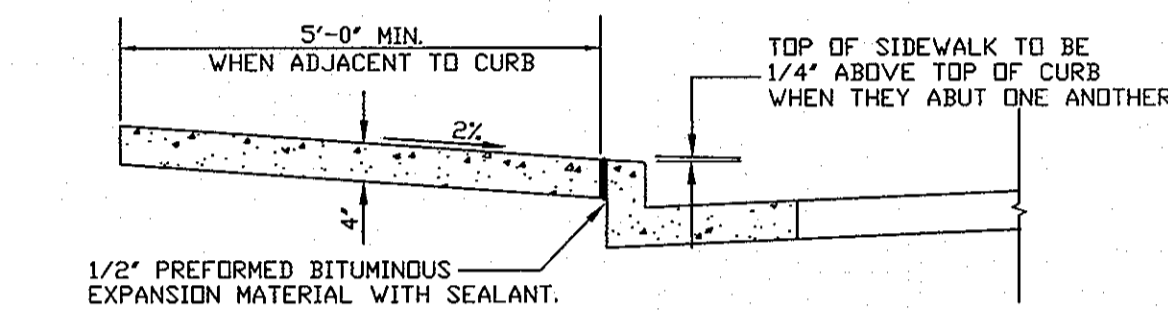


NOTE: INSTALL EXPANSION JOINTS AT MAX. 15'-0" O.C. AND INSTALL SCORING JOINTS AT MAX. 5'-0" O.C.
 SLOPE ACROSS SIDEWALK SHALL BE MIN. 1/8" / FT.

1
9
CONCRETE WALK DETAIL
NO SCALE

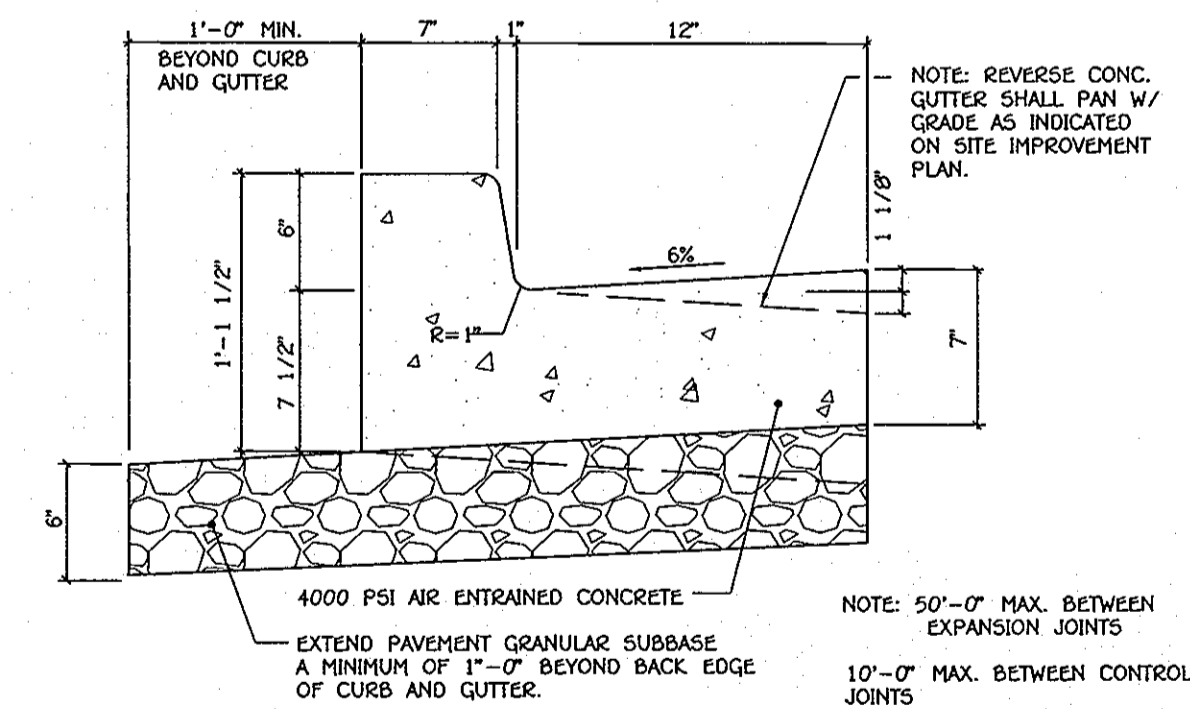


2
9
HEAVY DUTY ASPHALTIC PAVING DETAIL
NO SCALE



- NOTES:
 1. SIDEWALK TO BE SCRIBED IN EQUALLY 5'-0" MAXIMUM SQUARES.
 2. EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO MORE THAN 15' APART.
 3. 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE KEPT 1/4" BELOW SURFACE OF SIDEWALK. FILL WITH SEALANT.
 4. 4000 PSI AIR ENTRAINED CONCRETE SHALL BE USED.
 5. WHEN SIDEWALK ABUTS CURB, WALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB.
 6. ON LONGITUDINAL SIDEWALK GRADES OF 5% OR GREATER, A CONCRETE HEADER, 6" THICK AND 6" DEEP BELOW THE NORMAL 4" SIDEWALK THICKNESS SHALL BE CONSTRUCTED FOR THE FULL WIDTH OF THE SIDEWALK AT INTERVALS OF 48 FEET. THE HEADERS SHALL BE PLACED AT EXPANSION JOINT LOCATIONS AND SHALL BE MONOLITHIC WITH THE SIDEWALK.
 7. SIDEWALK WIDTH ADJACENT TO CURB SHALL BE 5'-0" MIN.
 8. SIDEWALK LOCATED 2' OR MORE FROM CURB MAY BE 4'-0" IN WIDTH WITH A 5' X 5' PAVED SECTION PLACED 200' APART.
 9. PROVIDE 1/2" EXPANSION JOINT WHERE WALKS ABUT EXISTING CONCRETE SURFACES TO REMAIN.

3
9
CONCRETE SIDEWALK DETAIL
NO SCALE



4
9
STANDARD 6" COMB. CONC. CURB AND GUTTER
NO SCALE

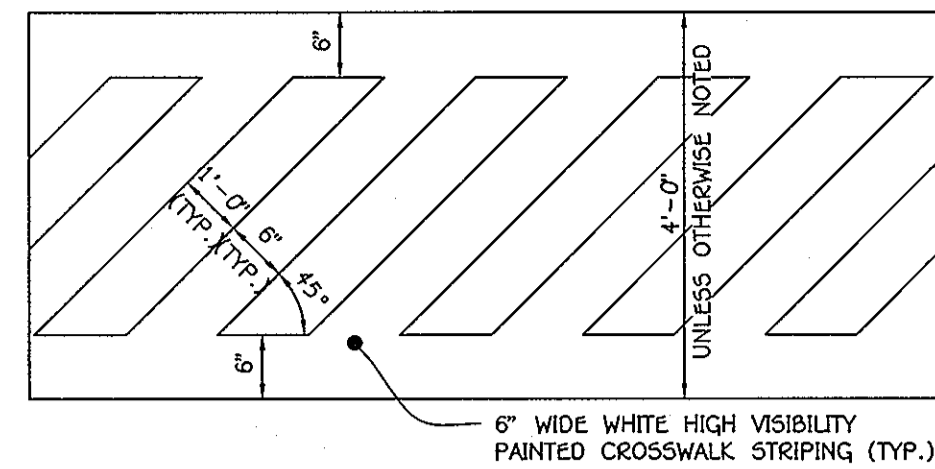
NOTE: THE HOWARD COUNTY PLANNING BOARD ON AUGUST 4, 2011 APPROVED THE REQUEST FOR A RED-LINE REVISION OF THE SITE DEVELOPMENT PLAN TO CONSTRUCT FOUR ADDITIONS TO THE EXISTING PHELPS LUCK ELEMENTARY SCHOOL AND A PROPOSED 28 PARKING SPACE AREA.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 10910 Maryland Route 108
 Ellicott City, Maryland 21042
 Attention: Bruce Gist
 410-313-6805

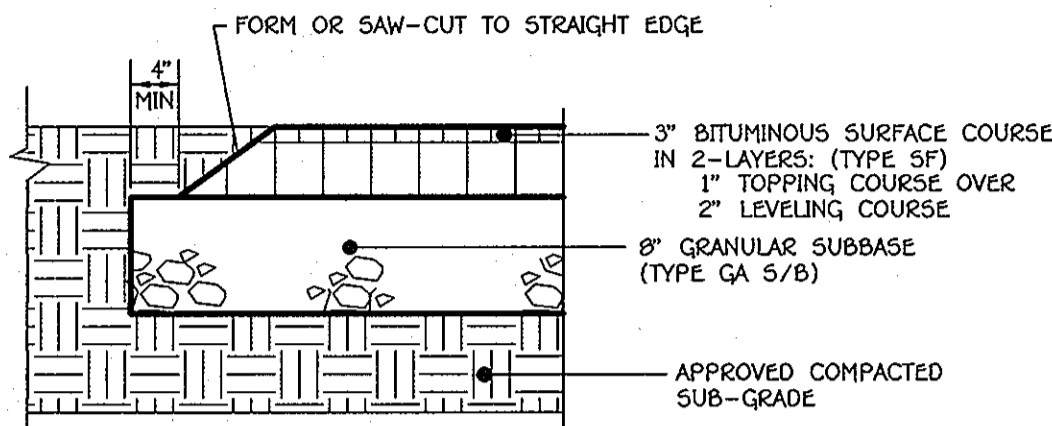
PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 10910 Maryland Route 108
 Ellicott City, Maryland 21042
 Attention: Bruce Gist
 410-313-6805

APPROVED: DEPARTMENT OF PLANNING AND ZONING

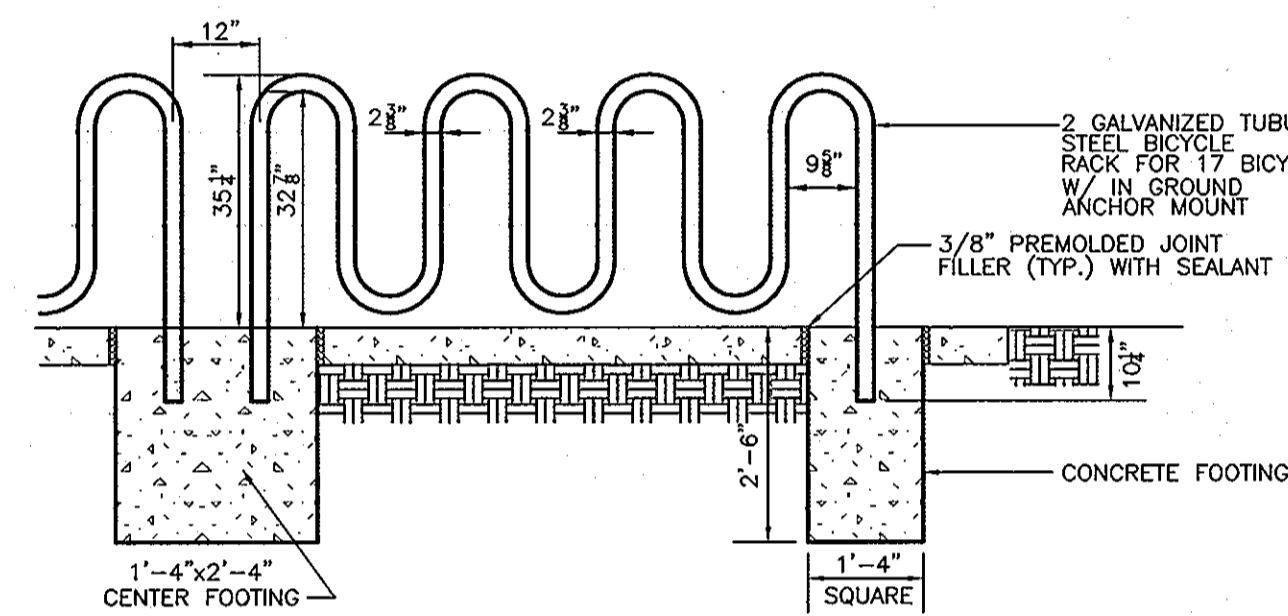
DATE: 9/6/11
 DATE: 9-08-11
 DATE: 9-7-11



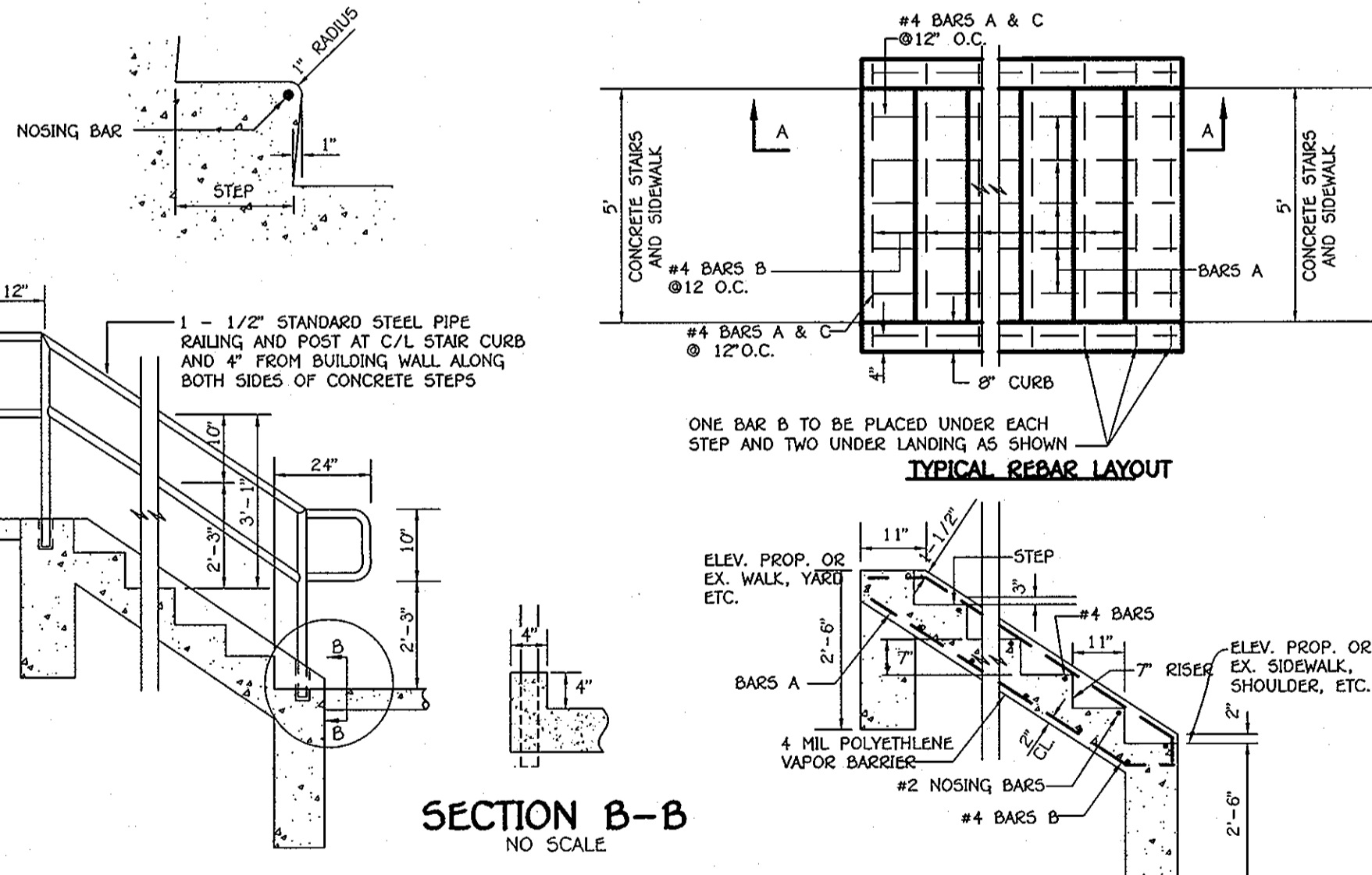
5
9
CROSSWALK DETAIL
NO SCALE



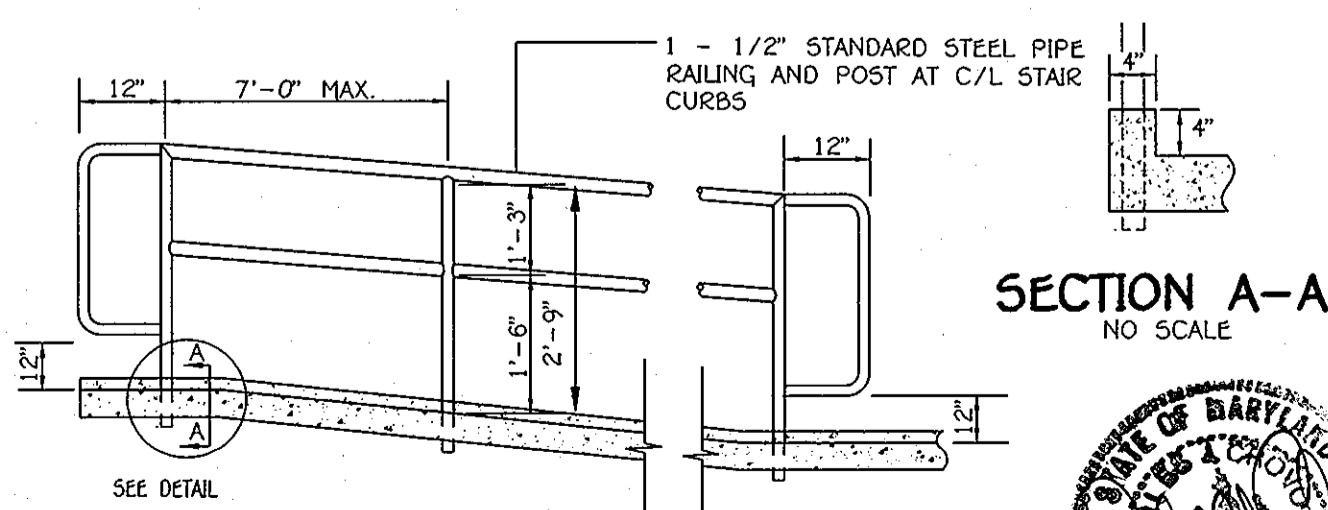
6
9
PAVED PLAY AREA AND WALKWAY ASPHALTIC PAVING DETAIL
NO SCALE



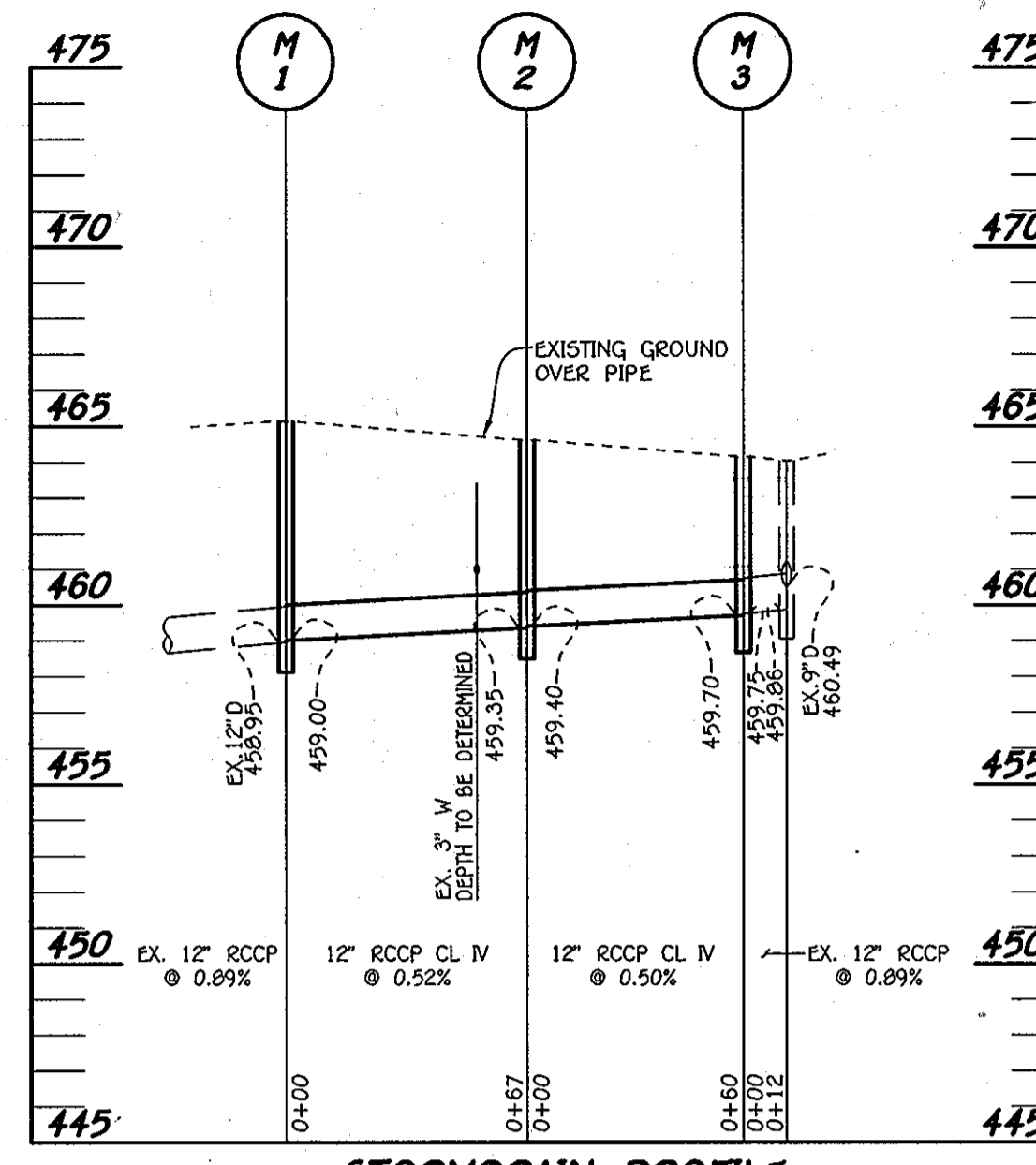
7
9
BICYCLE RACK DETAIL
NO SCALE



8
9
CONCRETE STEPS AND HANDRAIL DETAIL
NO SCALE



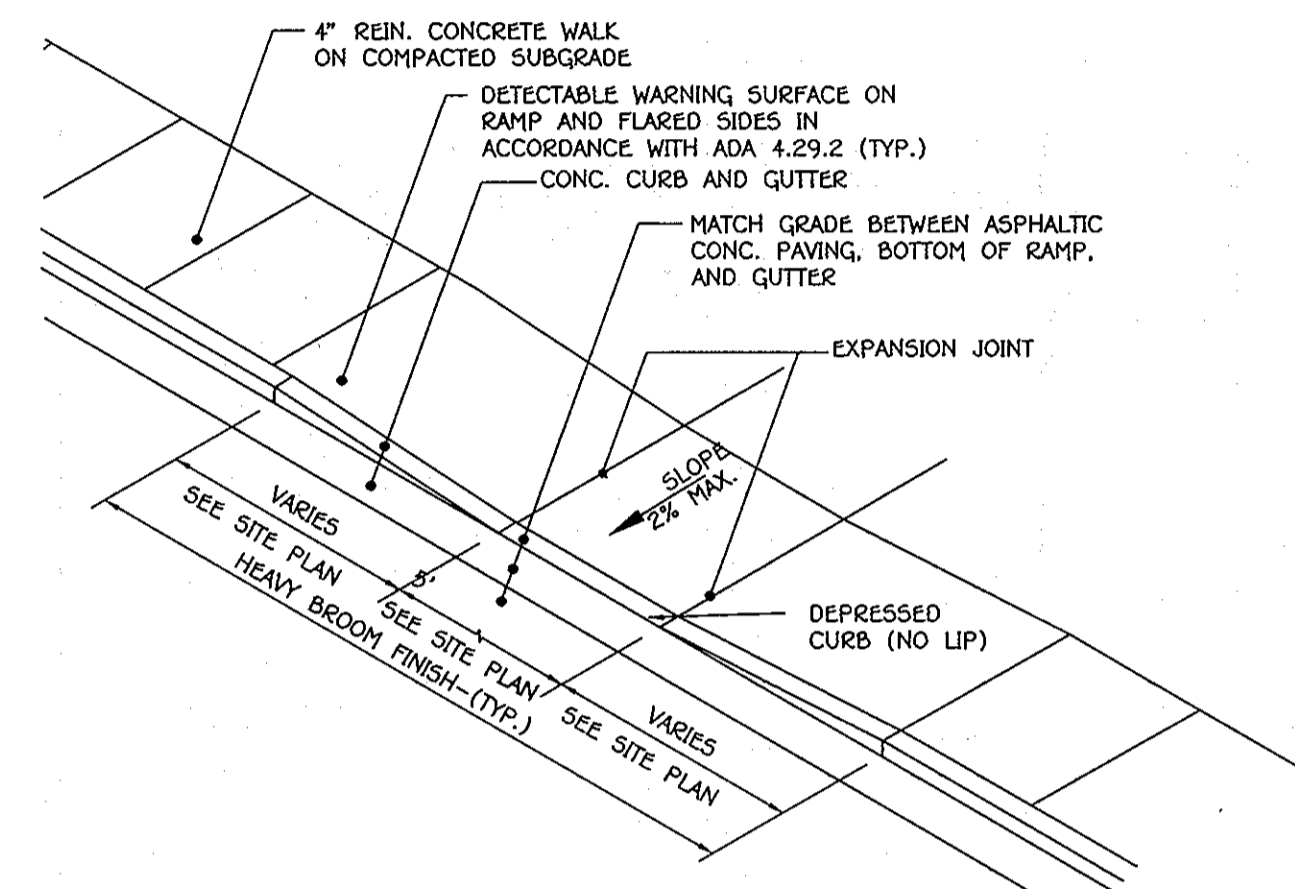
12
9
HANDRAIL DETAIL
NO SCALE



STORMDRAIN PROFILE FOR ADMINISTRATION ADDITION EXPANSION

STRUCTURE SCHEDULE							
STRUCTURE NO.	TOP ELEVATION	INV. IN	INV. OUT	COORDINATES	WIDTH	TYPE	REMARKS
I-1	465.27	460.74 (12")	457.50 (15")	N 10383.26 E 10019.69	2.5'	5" INLET WITH SINKHOLE GRATE	D-4.22 & D-4.93
I-2	462.06	-	458.80 (15")	N 10176.53 E 9990.31	2.5'	A-5 INLET	D - 4.01
I-3	463.40	457.70 (18")	457.60 (EX. 18")	N 9980.44 E 10131.02	2.5'	5" INLET WITH SINKHOLE GRATE	D-4.22 & D-4.93
M-1	465.14	459.00 (12")	458.95 (12")	N 10432.15 E 10114.73	4'	4' STD. MANHOLE	G - 5.12
M-2	464.61	459.40 (12")	459.35 (12")	N 10468.01 E 10170.78	4'	4' STD. MANHOLE	G - 5.12
M-3	464.15	459.75 (12")	459.70 (12")	N 10417.44 E 10203.13	4'	4' STD. MANHOLE	G - 5.12
M-4	457.86	453.48 (18")	453.43 (21")	N 10207.40 E 9813.75	4'	4' STD. MANHOLE	G - 5.12
M-5	465.00	458.12 (18")	458.02 (18")	N 9980.20 E 10114.83	4'	4' STD. MANHOLE	G - 5.12
M-6	465.07	459.54 (12")	459.04 (18")	N 10036.97 E 10091.57	4'	4' STD. MANHOLE	D - 5.12
E-1	-	-	-	N 10177.95 E 9893.49	15'	CONCRETE END SECTION	D - 5.51
R-1	-	-	-	N 10194.78 E 9880.73	-	-	SEE SHEET 13
R-2	-	-	-	N 10070.86 E 10136.61	-	-	SEE SHEET 13
R-3	-	-	-	N 10370.62 E 10041.65	-	-	SEE SHEET 13

PIPE SCHEDULE		
SIZE	CLASS	LENGTH
3"	PVC	57 L.F.
6"	PVC	11 L.F.
6"	PERF. PVC	341 L.F.
8"	HDPE	32 L.F.
12"	RCCP, CLASS IV	271 L.F.
15"	RCCP, CLASS IV	23 L.F.
18"	RCCP, CLASS IV	78 L.F.

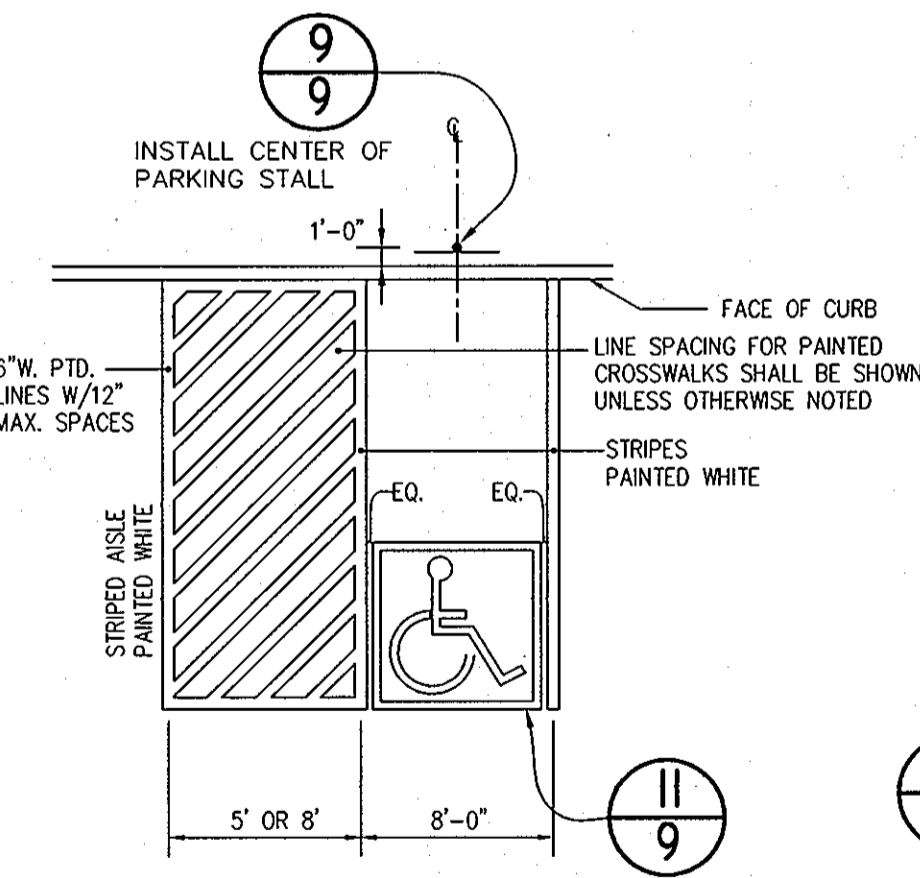


13
9
HANDICAP CURB RAMP DETAIL
NO SCALE

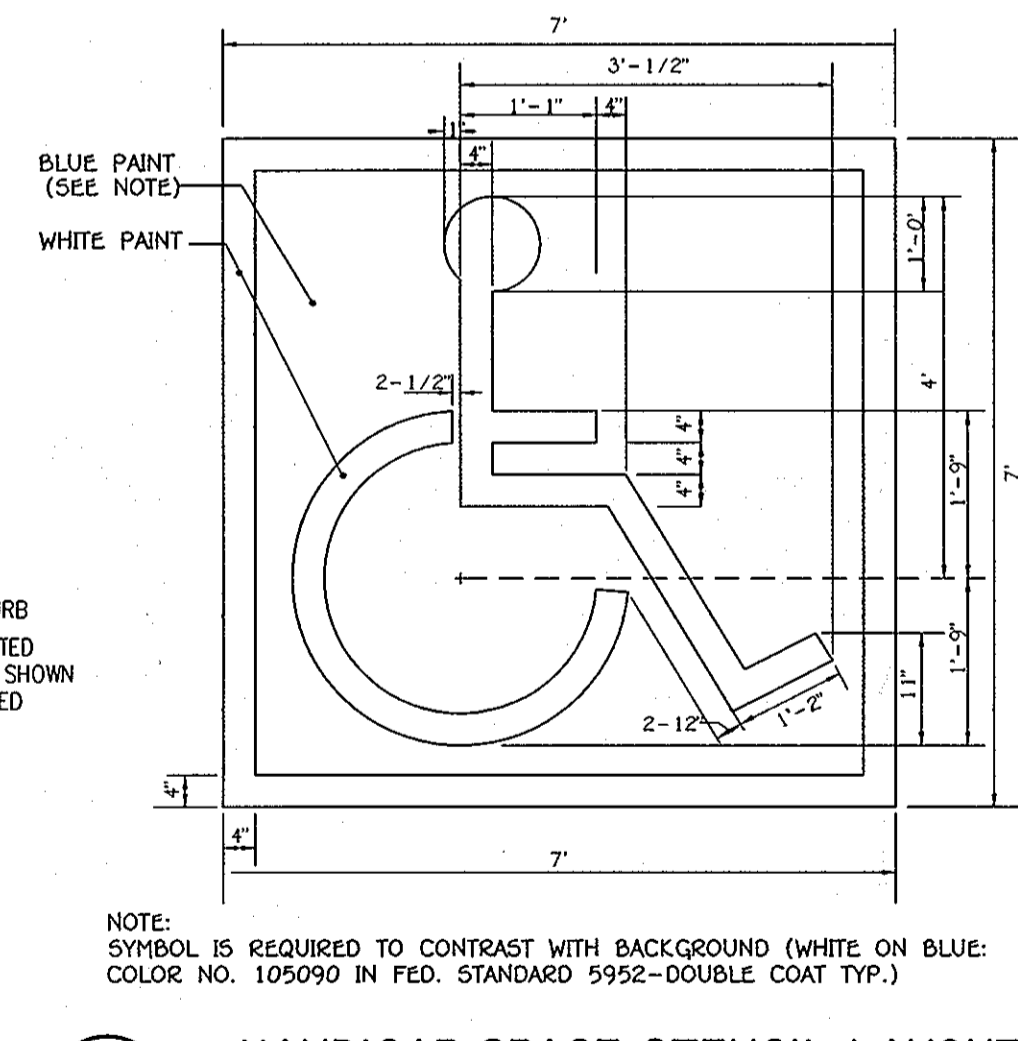


- GENERAL NOTES:
 1. SIGNS SHALL MEET DESIGN STANDARDS OF THE FEDERAL HIGHWAY ADMINISTRATION AND CONFORM TO THE STATE OF MARYLAND STANDARD HIGHWAY SIGN BOOKLET DETAIL R7-B.
 2. ONE SIGN IS REQUIRED PER SPACE PLACED AS SHOWN ON SITE IMPROVEMENT PLAN.
 3. SIGNS SHALL BE POLE MOUNTED WITH HOT DIPPED GALVANIZED COUNTY APPROVED PERFORATED CHANNEL POSTS W/TOP OF SIGNS 9'-1" ABOVE FINISHED GRADE OR AS INDICATED ON SITE DRAWINGS.
 4. SIGN SHALL BE ATTACHED TO FLANGED SIDE OF POST. POST SHALL EXTEND INTO GROUND 2'-6" MIN.
 5. COLORS: LEGEND AND BORDER-GREEN SYMBOL-WHITE ON BLUE BACKGROUND BACKGROUND-WHITE
 6. CONTRACTOR SHALL COORDINATE ARROW DIRECTION WITH LOCATION OF ADJACENT AISLE.
 7. SPACES INDICATED ON SITE DEVELOPMENT PLANS AS "VAN ACCESSIBLE" SHALL BE SIGNED ACCORDINGLY.

9
9
HANDICAP PARKING SIGN DETAIL
NOT TO SCALE



10
9
ACCESSIBLE SPACE LAYOUT
NO SCALE



11
9
HANDICAP SPACE STENCIL LAYOUT
SCALE: 1" = 20'

Address Chart	
Parcel #/Lot #	Street Address
289/563	5370 OLDSTONE COURT
COLUMBIA, MARYLAND 21045	

PROJECT	SECTION/AREA	LOTS	PARCELS
VILLAGE OF LONG REACH PHELPS LUCK ELEMENTARY SCHOOL	1 / 1	563	289
PLAT NO.	BLOCK NO.	ZONE	TAX MAP
F-70-68	24	NT	30
P.B. 18/F. 47			SIX
WATER CODE			6065.00
		SEWER CODE	5636000

PROFILE AND DETAIL SHEET

"REVISED SITE DEVELOPMENT PLAN"
 PHELPS LUCK ELEMENTARY SCHOOL

VILLAGE OF LONG REACH
 SECTION 1 AREA 1
 LOT 563 PARCEL 289
 TAX MAP 30 BLOCK 24

SCALE: AS SHOWN DATE: MAY 12, 2011
 SHEET 9 OF 14

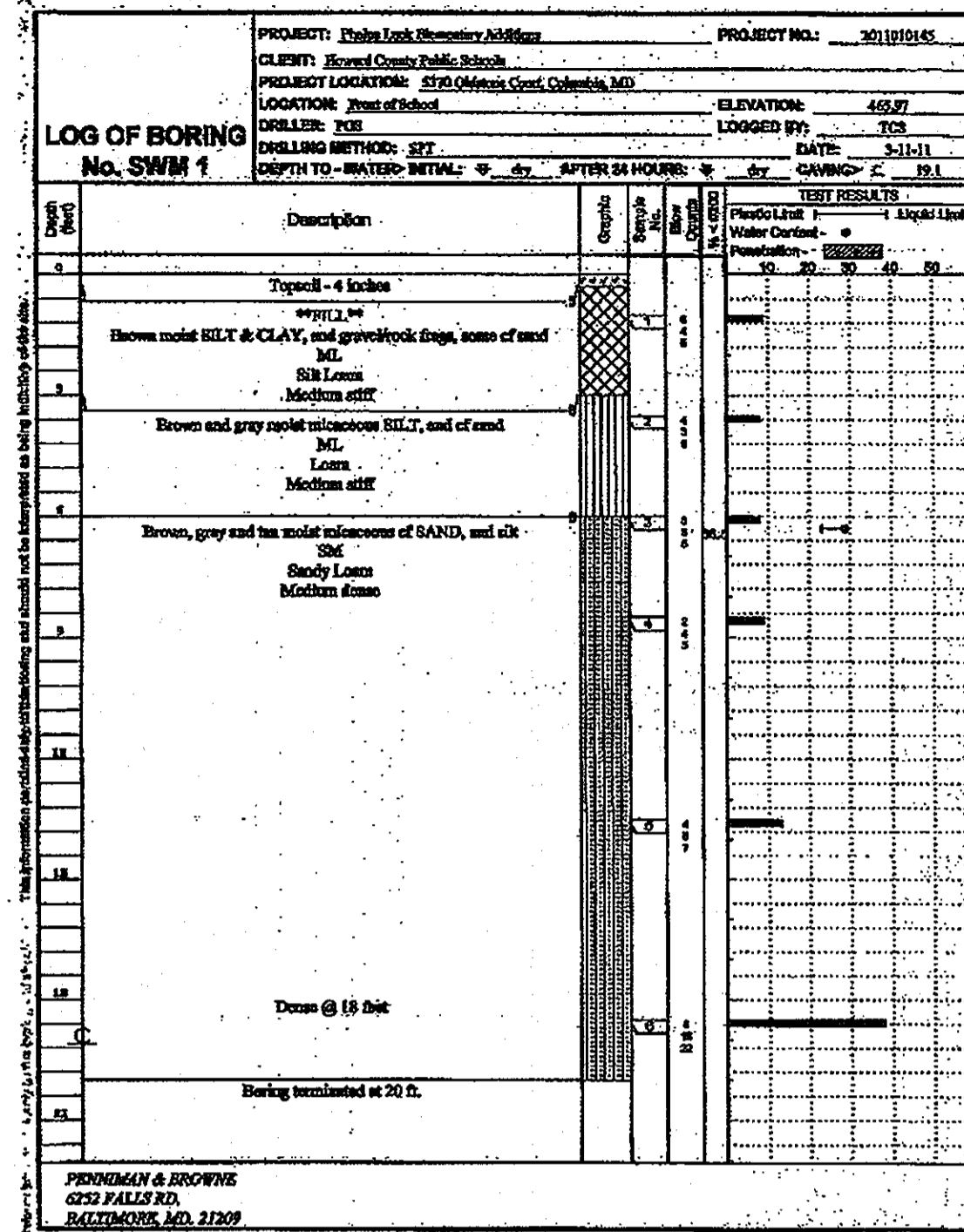


Figure PAGE 1 of 1

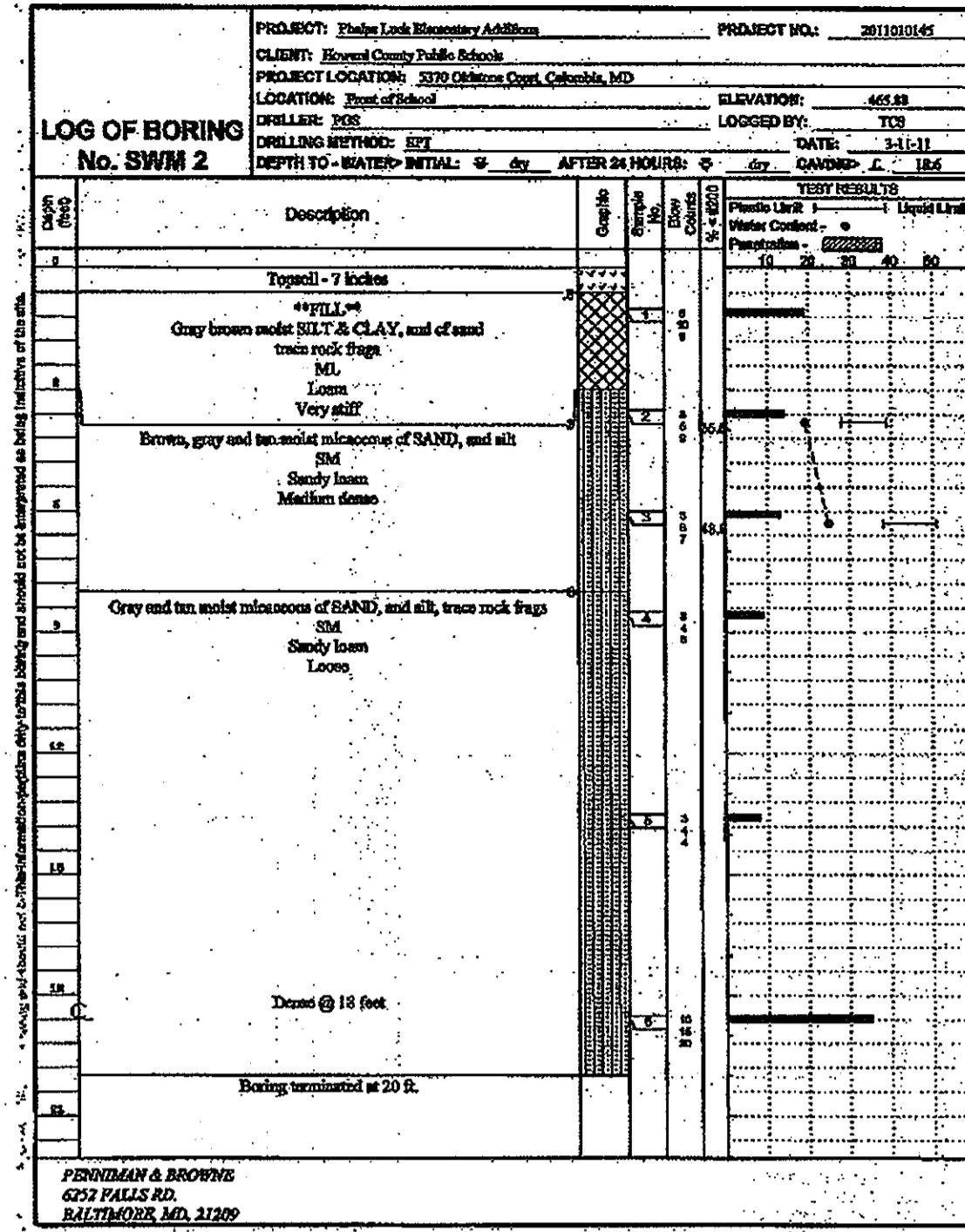


Figure PAGE 1 of 1

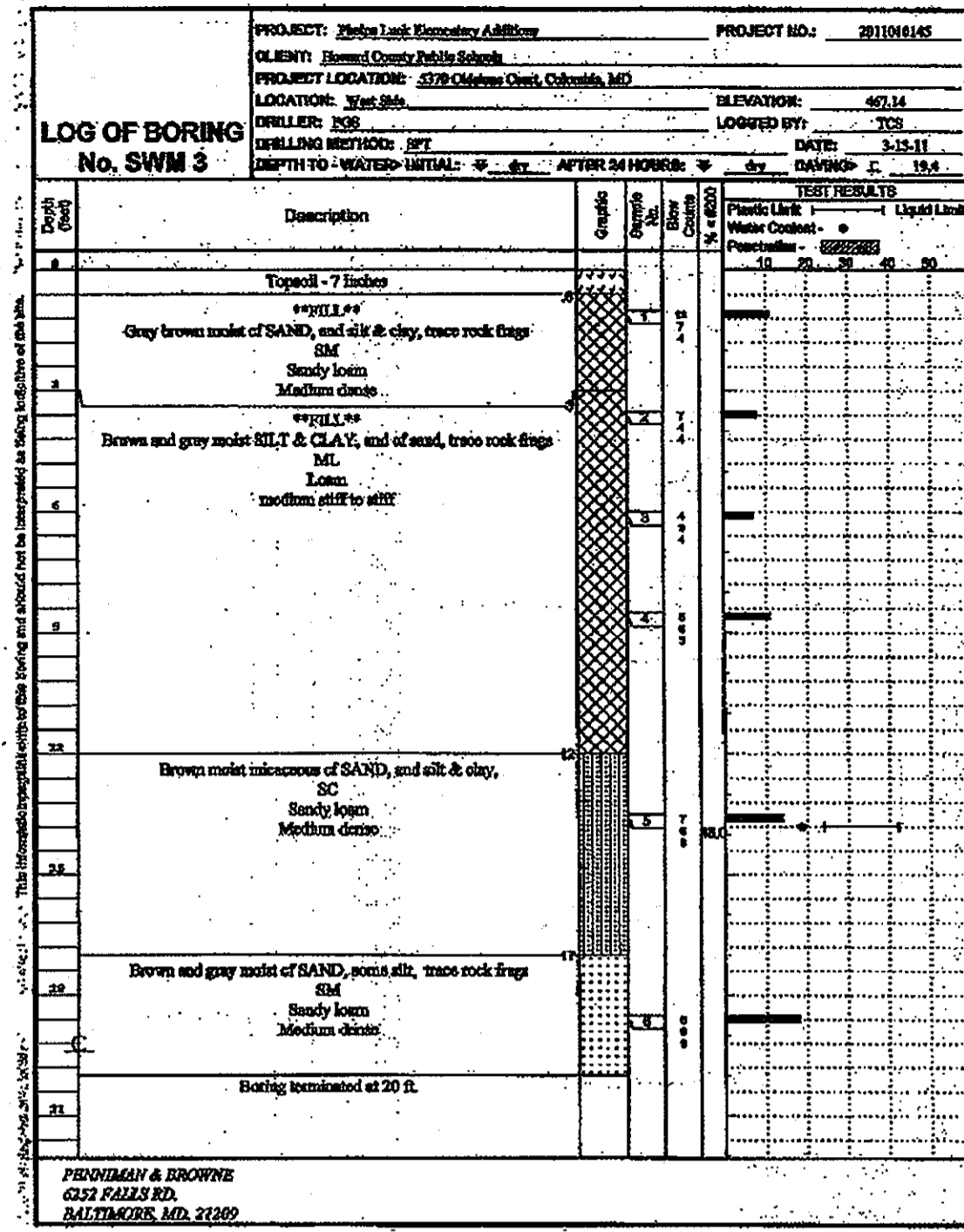


Figure PAGE 1 of 1

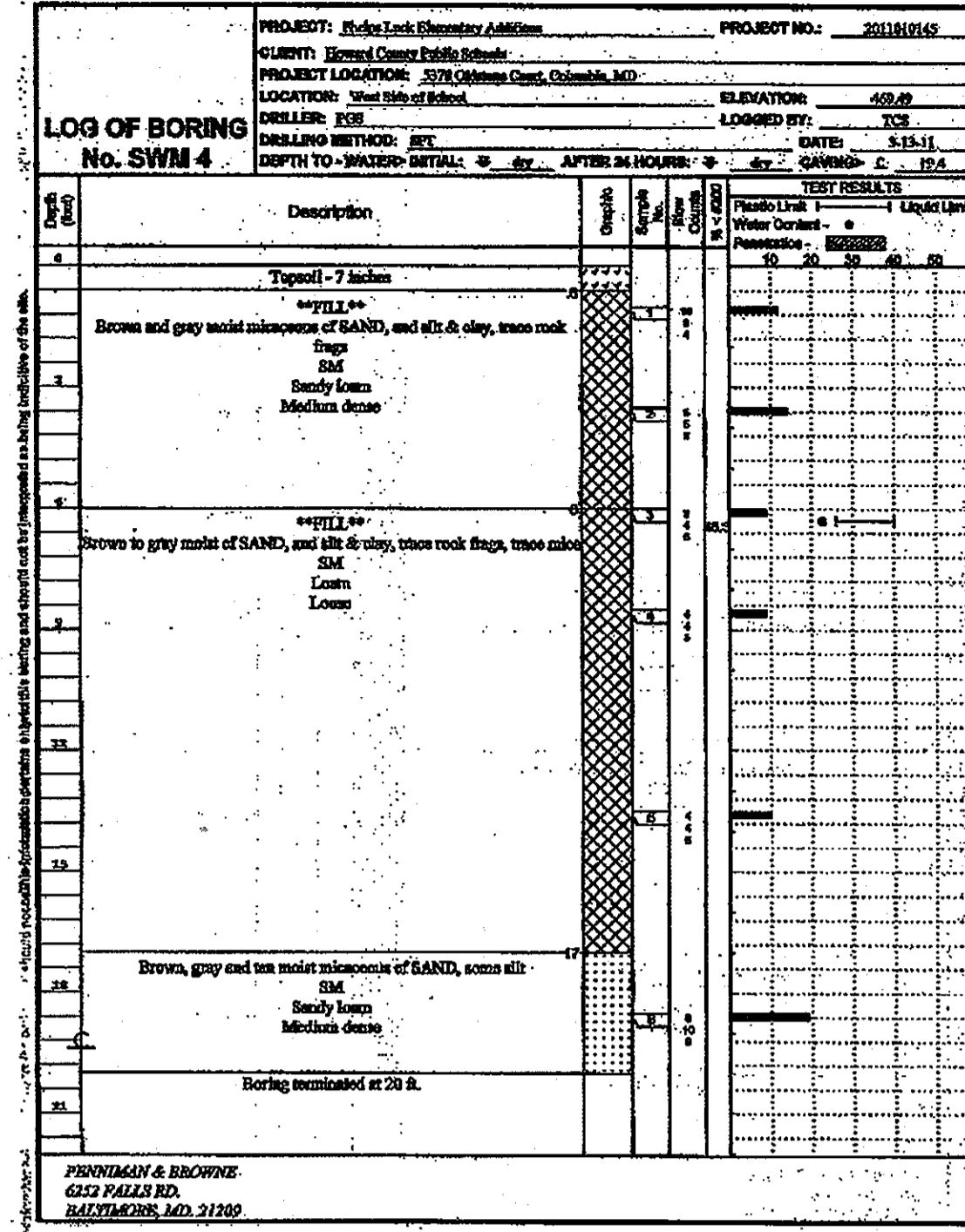


Figure PAGE 1 of 1

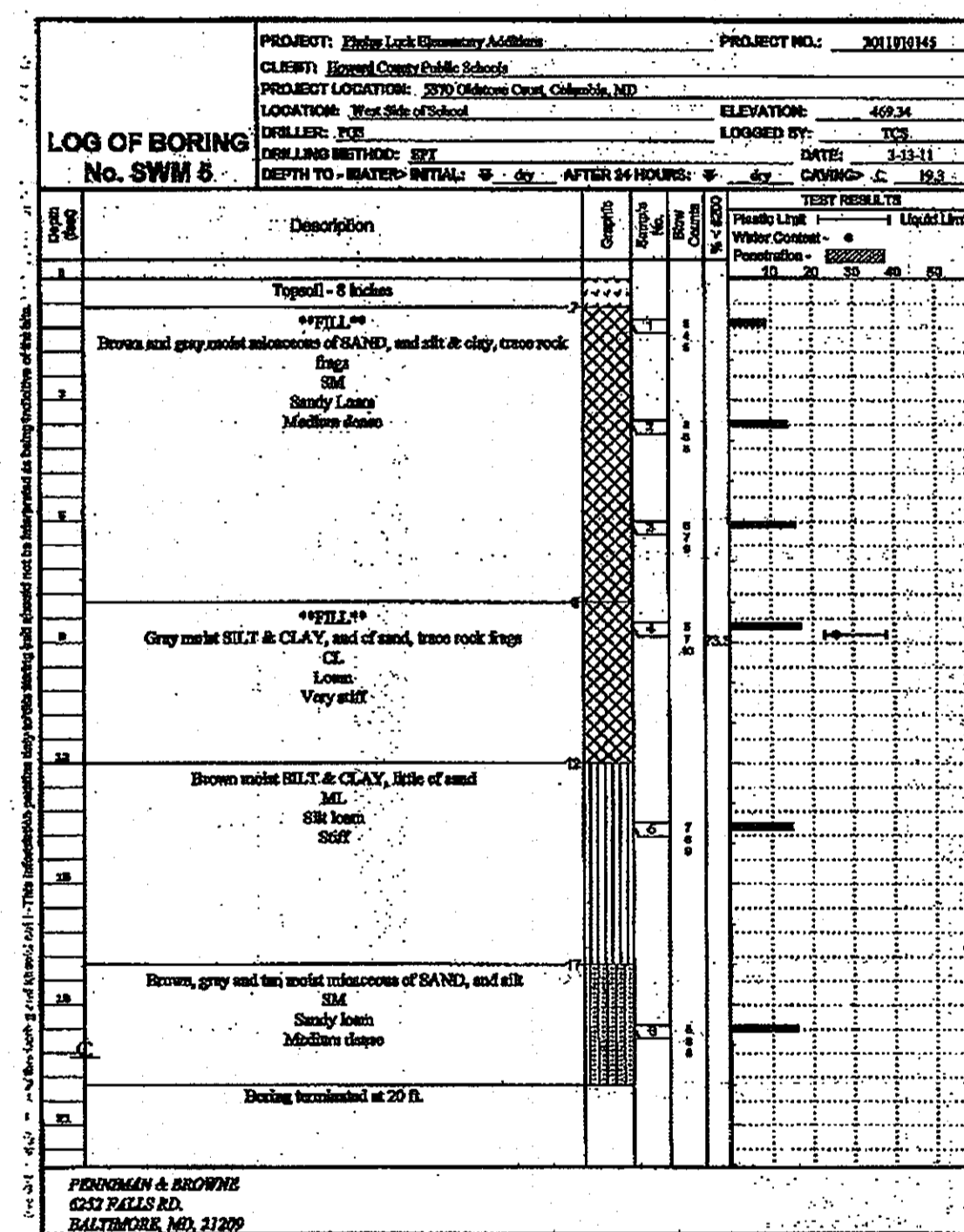


Figure PAGE 1 of 1

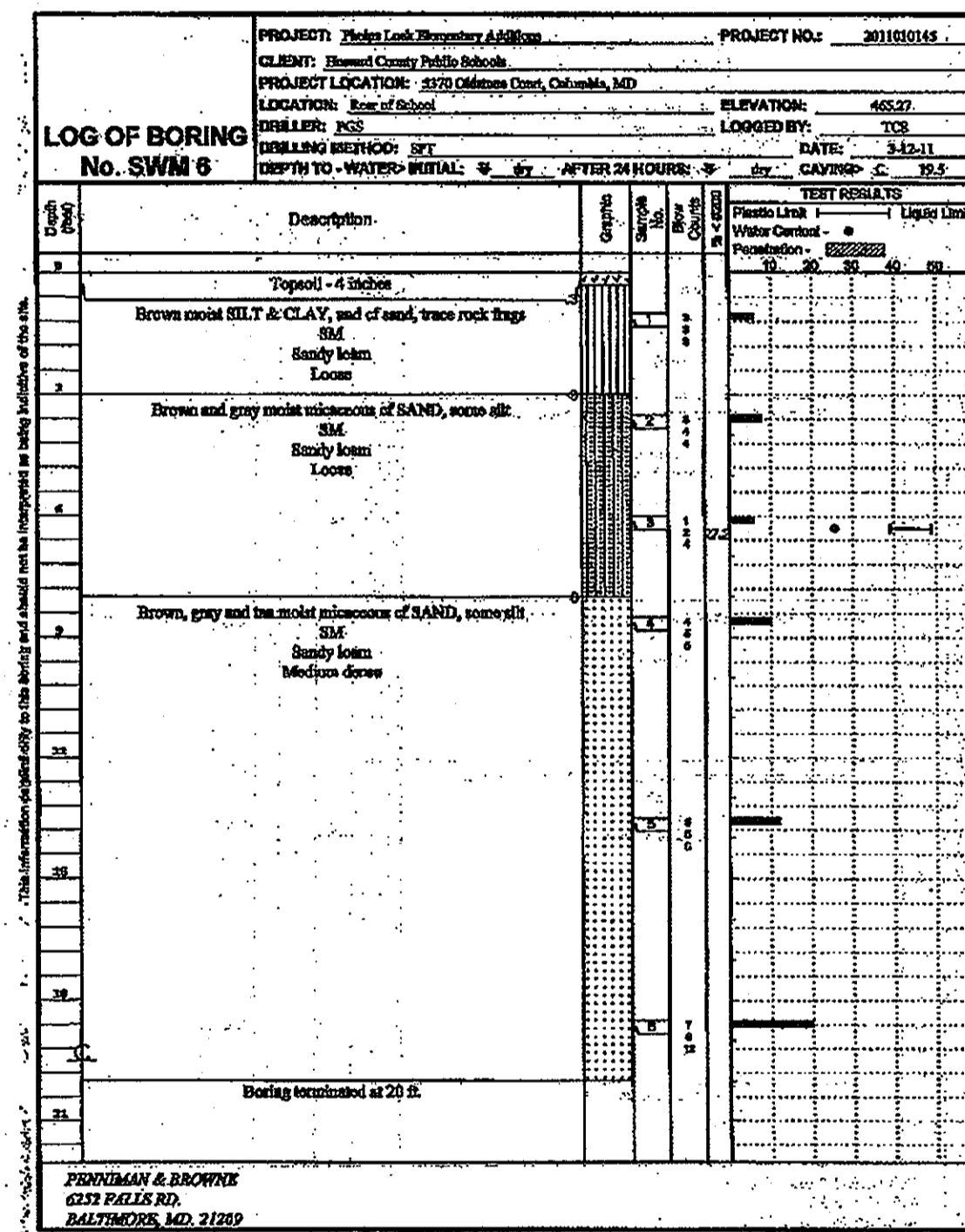


Figure PAGE 1 of 1

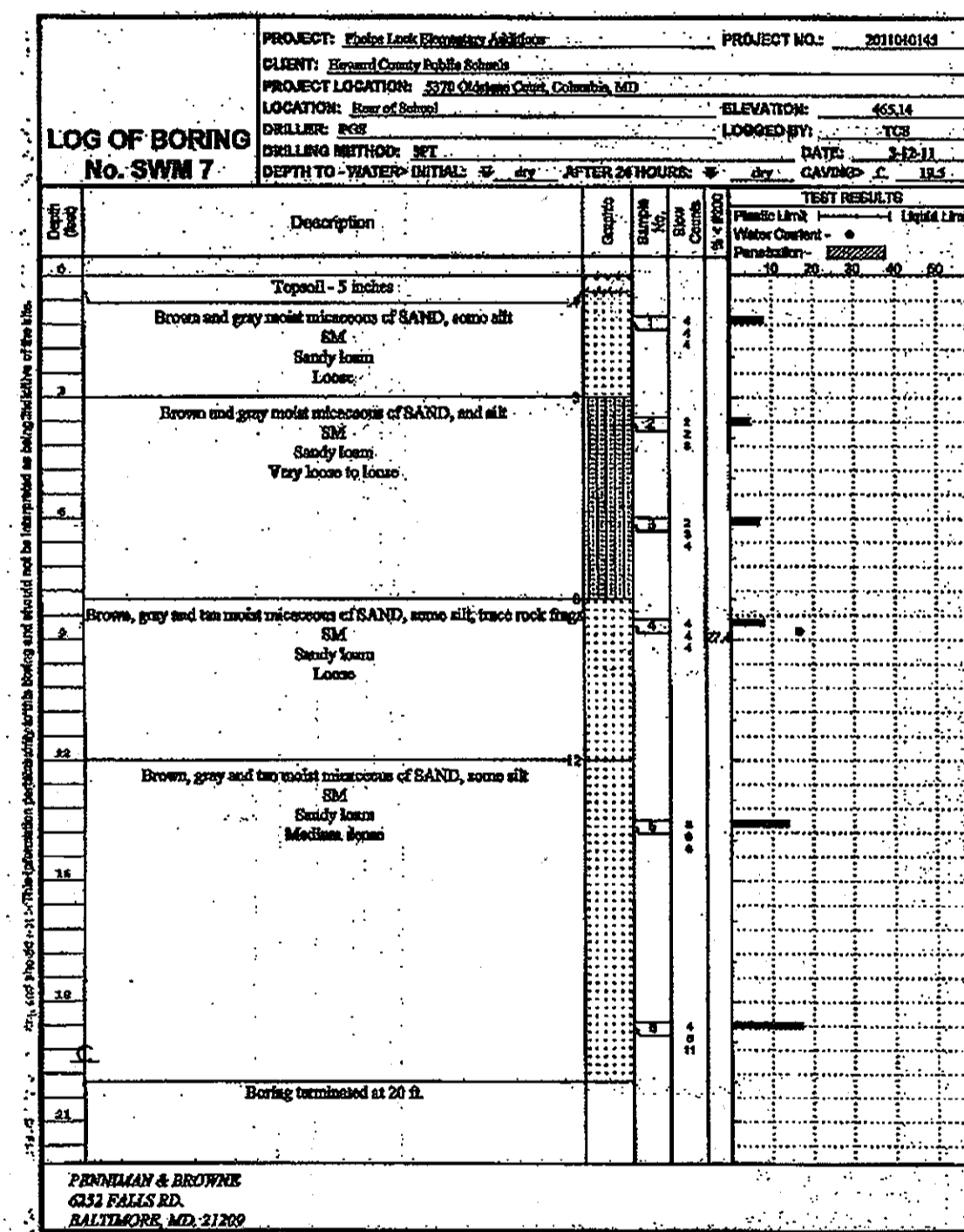


Figure PAGE 1 of 1

NOTE: THE HOWARD COUNTY PLANNING BOARD ON AUGUST 4, 2011 APPROVED THE REQUEST FOR A RED-LINE REVISION OF THE SITE DEVELOPMENT PLAN TO CONSTRUCT FOUR ADDITIONS TO THE EXISTING PHELPS LUCK ELEMENTARY SCHOOL AND A PROPOSED 28 PARKING SPACE AREA.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 10910 Maryland Route 108
 Ellicott City, Maryland 21042
 Attention: Bruce Gist
 410-313-6805

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Thomas S. Ruttler
 DIRECTOR, DEPARTMENT OF PLANNING AND ZONING

Walt Shevlin
 CHIEF, DIVISION OF LAND DEVELOPMENT

Chief, Development Engineering Division

9/9/11
 DATE

9-08-11
 DATE

9-7-11
 DATE

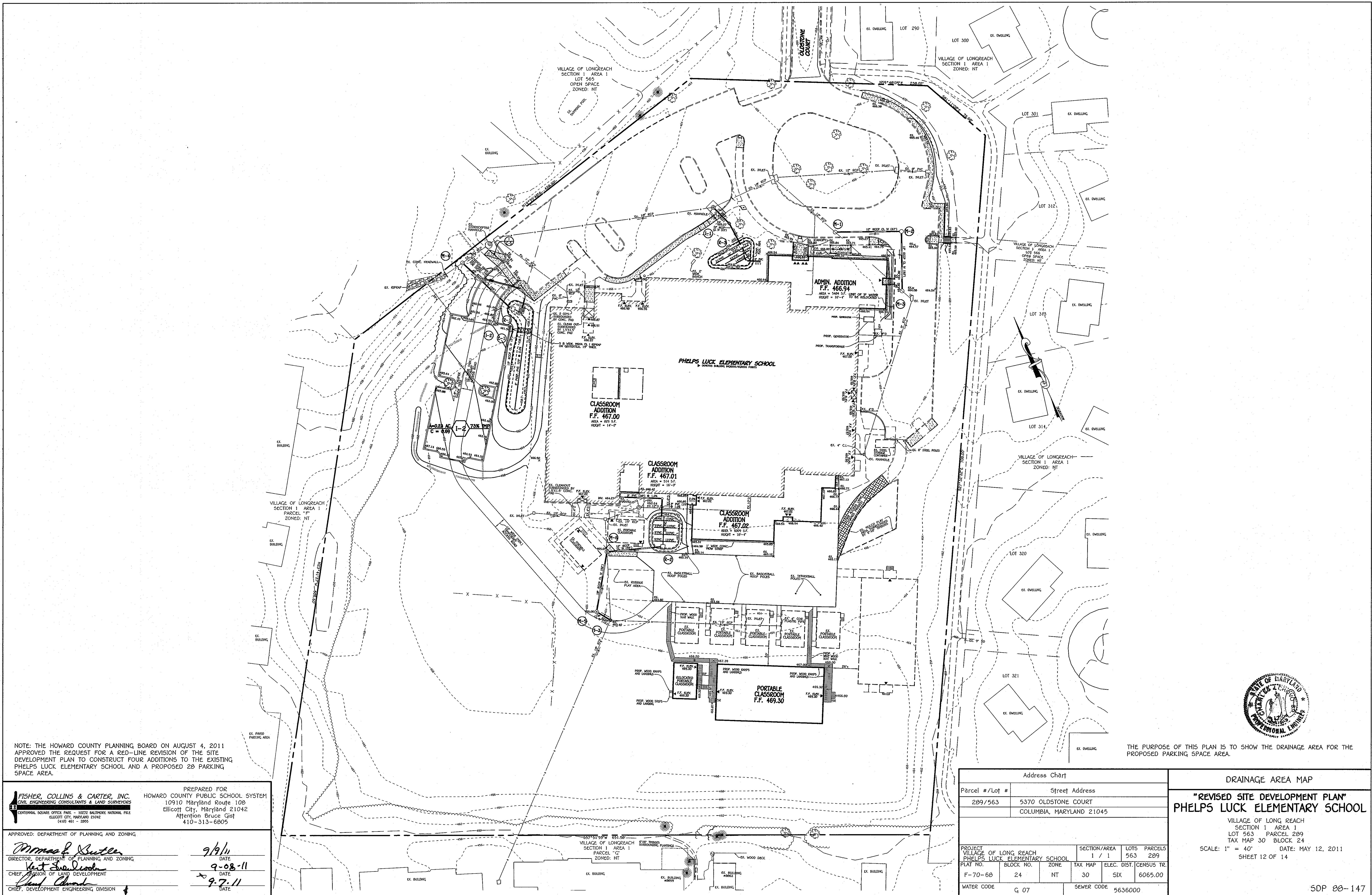
THE PURPOSE OF THIS PLAN IS TO SHOW THE BORING LOGS FOR THE PROPOSED STORMWATER MANAGEMENT FACILITIES.

Address Chart		BORING LOGS			
Parcel #/Lot #	Street Address	"REVISED SITE DEVELOPMENT PLAN" PHELPS LUCK ELEMENTARY SCHOOL VILLAGE OF LONG REACH SECTION 1 AREA 1 LOT 563 PARCEL 289 TAX MAP 30 BLOCK 24 SCALE: AS SHOWN DATE: MAY 12, 2011 SHEET 11 OF 14			
289/563	5370 OLDSTONE COURT				
	COLUMBIA, MARYLAND 21045				
PROJECT	SECTION/AREA	LOTS	PARCELS	PROJECT: VILLAGE OF LONG REACH PHELPS LUCK ELEMENTARY SCHOOL SECTION/AREA: 1 / 1 LOTS: 563 PARCELS: 289 PLAT NO.: F-70-68 BLOCK NO.: 24 ZONE: NT TAX MAP: 30 ELEC. DIST.: SIX CENSUS TR.: 6065.00 WATER CODE: G 07 SEWER CODE: 5636000	
VILLAGE OF LONG REACH PHELPS LUCK ELEMENTARY SCHOOL	1 / 1	563	289		
PLAT NO.	BLOCK NO.	ZONE	TAX MAP		
F-70-68	24	NT	30		

SDP 88-147

SDP88-147





NOTE: THE HOWARD COUNTY PLANNING BOARD ON AUGUST 4, 2011 APPROVED THE REQUEST FOR A RED-LINE REVISION OF THE SITE DEVELOPMENT PLAN TO CONSTRUCT FOUR ADDITIONS TO THE EXISTING PHELPS LUCK ELEMENTARY SCHOOL AND A PROPOSED 28 PARKING SPACE AREA.

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 10910 Maryland Route 108
 Ellicott City, Maryland 21042
 Attention: Bruce Gist
 410-313-6805

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Mona S. Butler
 DIRECTOR, DEPARTMENT OF PLANNING AND ZONING
Vest S. Linder
 CHIEF, DIVISION OF LAND DEVELOPMENT
David Arnold
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

DATE: 9/9/11
 DATE: 9-08-11
 DATE: 9-7-11



THE PURPOSE OF THIS PLAN IS TO SHOW THE DRAINAGE AREA FOR THE PROPOSED PARKING SPACE AREA.

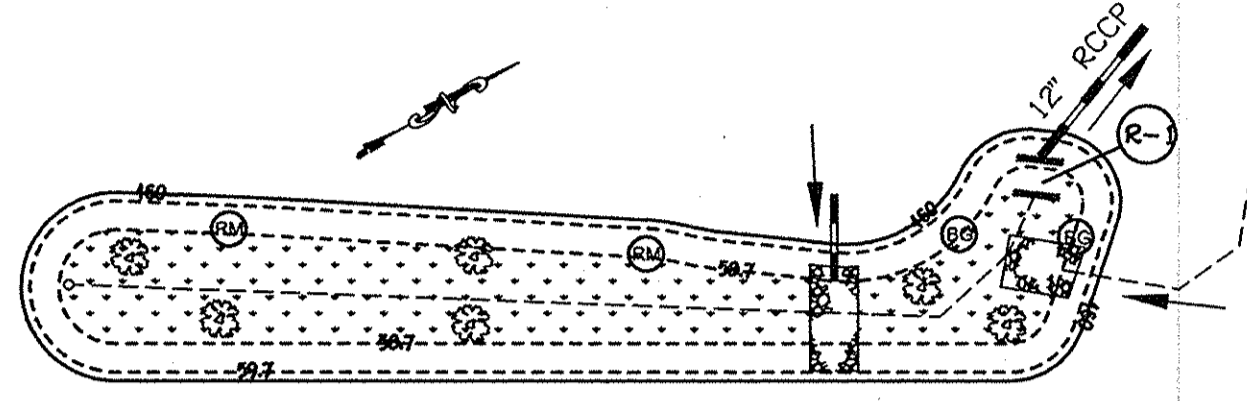
Address Chart	
Parcel #/Lot #	Street Address
289/563	5370 OLDSTONE COURT COLUMBIA, MARYLAND 21045

PROJECT	SECTION/AREA	LOTS	PARCELS
VILLAGE OF LONG REACH PHELPS LUCK ELEMENTARY SCHOOL	1 / 1	563	289
PLAT NO.	BLOCK NO.	ZONE	TAX MAP
F-70-68	24	NT	30
ELEC. DIST.		CENSUS TR.	
SIX		6065.00	
WATER CODE		G 07	SEWER CODE
			5636000

DRAINAGE AREA MAP
"REVISED SITE DEVELOPMENT PLAN"
PHELPS LUCK ELEMENTARY SCHOOL
 VILLAGE OF LONG REACH
 SECTION 1 AREA 1
 LOT 563 PARCEL 289
 TAX MAP 30 BLOCK 24
 SCALE: 1" = 40' DATE: MAY 12, 2011
 SHEET 12 OF 14

BMP MICRO-BIORETENTION PLANTING SCHEDULE			
PLANT NAME	FORM	QUANTITY	SYMBOL
SWITCH GRASS (<i>panicum virgatum</i>)	Grass	130 Qts ^a	
FOX SEDGE (<i>carex vulpinoidea</i>)	Grass	130 Qts ^a	
RED MAPLE (<i>acer rubrum</i>)	Tree (4'-6", 1" cal.)	2	
BLACKGUM (<i>nyssa sylvatica</i>)	Tree (5'-8", 1" cal.)	2	
RED OSIER DOGWOOD (<i>cornus sericea</i>)	Shrub	6	

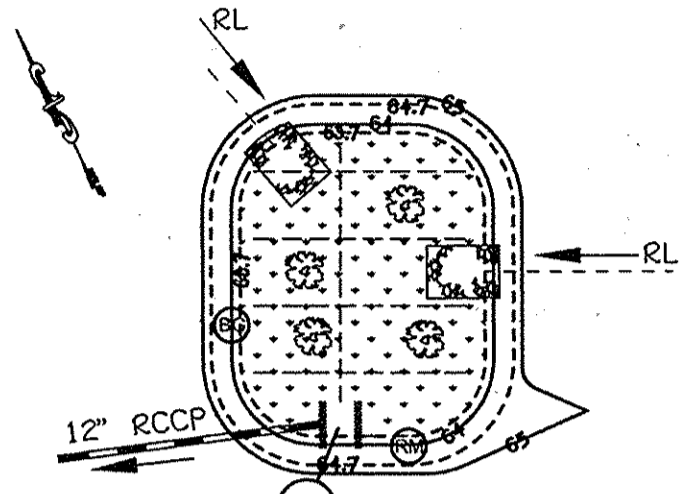
Plant grass and bush plantings on the BMP bottom (level) surface only and distribute evenly. Stabilize side slopes w/ permanent grass seed per NRCS specifications.



BMP #1 PLANTING PLAN
SCALE:
HORIZ: 1" = 20'

BMP MICRO-BIORETENTION PLANTING SCHEDULE			
PLANT NAME	FORM	QUANTITY	SYMBOL
SWITCH GRASS (<i>panicum virgatum</i>)	Grass	95 Qts ^a	
FOX SEDGE (<i>carex vulpinoidea</i>)	Grass	95 Qts ^a	
RED MAPLE (<i>acer rubrum</i>)	Tree (4'-6", 1" cal.)	1	
BLACKGUM (<i>nyssa sylvatica</i>)	Tree (5'-8", 1" cal.)	1	
RED OSIER DOGWOOD (<i>cornus sericea</i>)	Shrub	4	

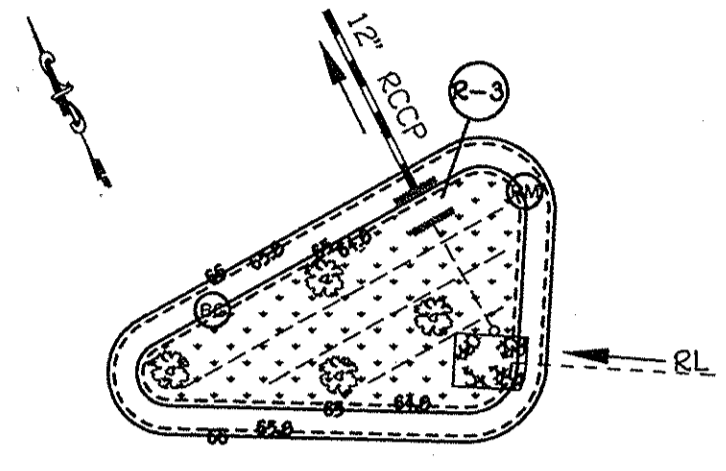
Plant grass and bush plantings on the BMP bottom (level) surface only and distribute evenly. Stabilize side slopes w/ permanent grass seed per NRCS specifications.



BMP #2 PLANTING PLAN
SCALE:
HORIZ: 1" = 20'

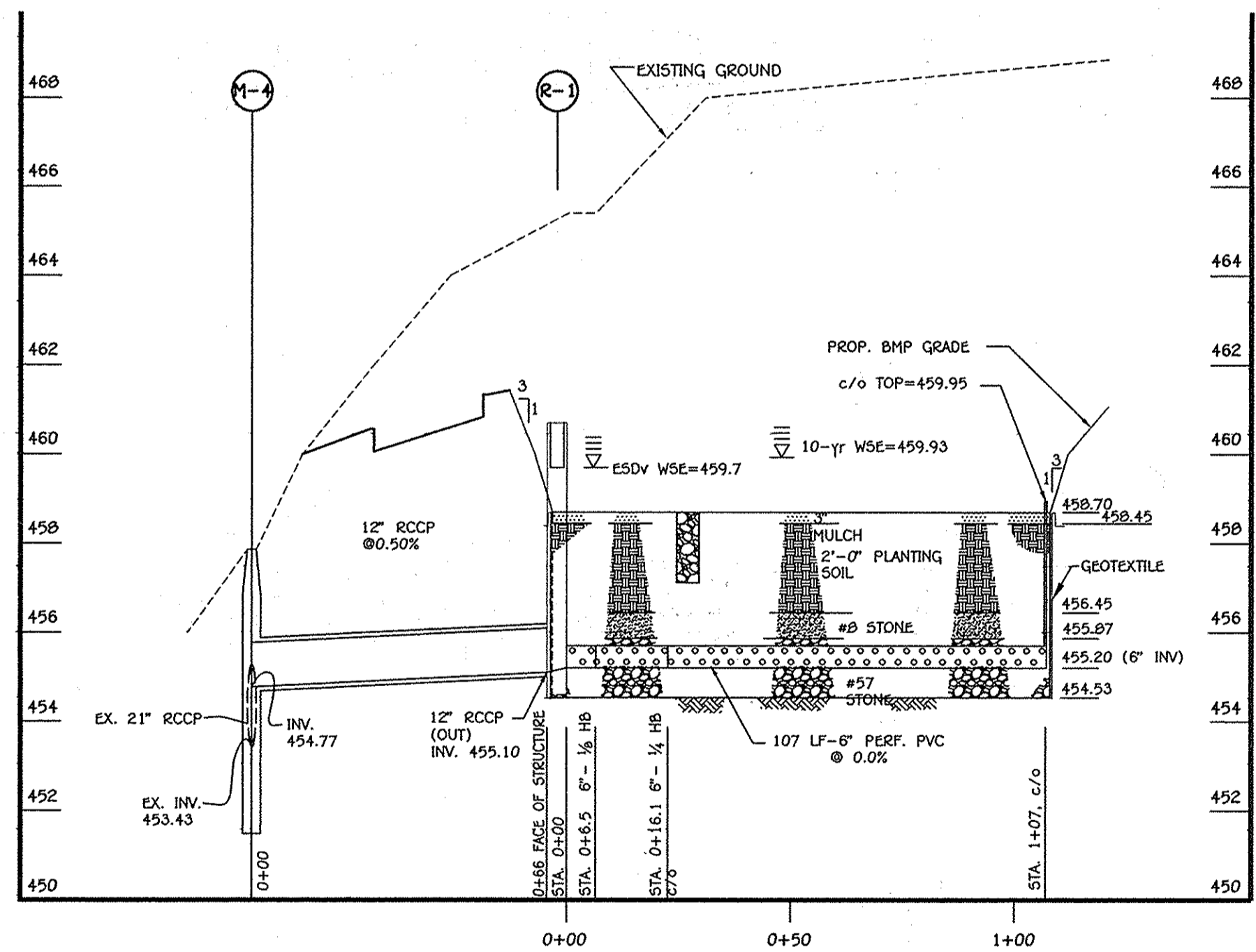
BMP MICRO-BIORETENTION PLANTING SCHEDULE			
PLANT NAME	FORM	QUANTITY	SYMBOL
SWITCH GRASS (<i>panicum virgatum</i>)	Grass	75 Qts ^a	
FOX SEDGE (<i>carex vulpinoidea</i>)	Grass	75 Qts ^a	
RED MAPLE (<i>acer rubrum</i>)	Tree (4'-6", 1" cal.)	1	
BLACKGUM (<i>nyssa sylvatica</i>)	Tree (5'-8", 1" cal.)	1	
RED OSIER DOGWOOD (<i>cornus sericea</i>)	Shrub	4	

Plant grass and bush plantings on the BMP bottom (level) surface only and distribute evenly. Stabilize side slopes w/ permanent grass seed per NRCS specifications.



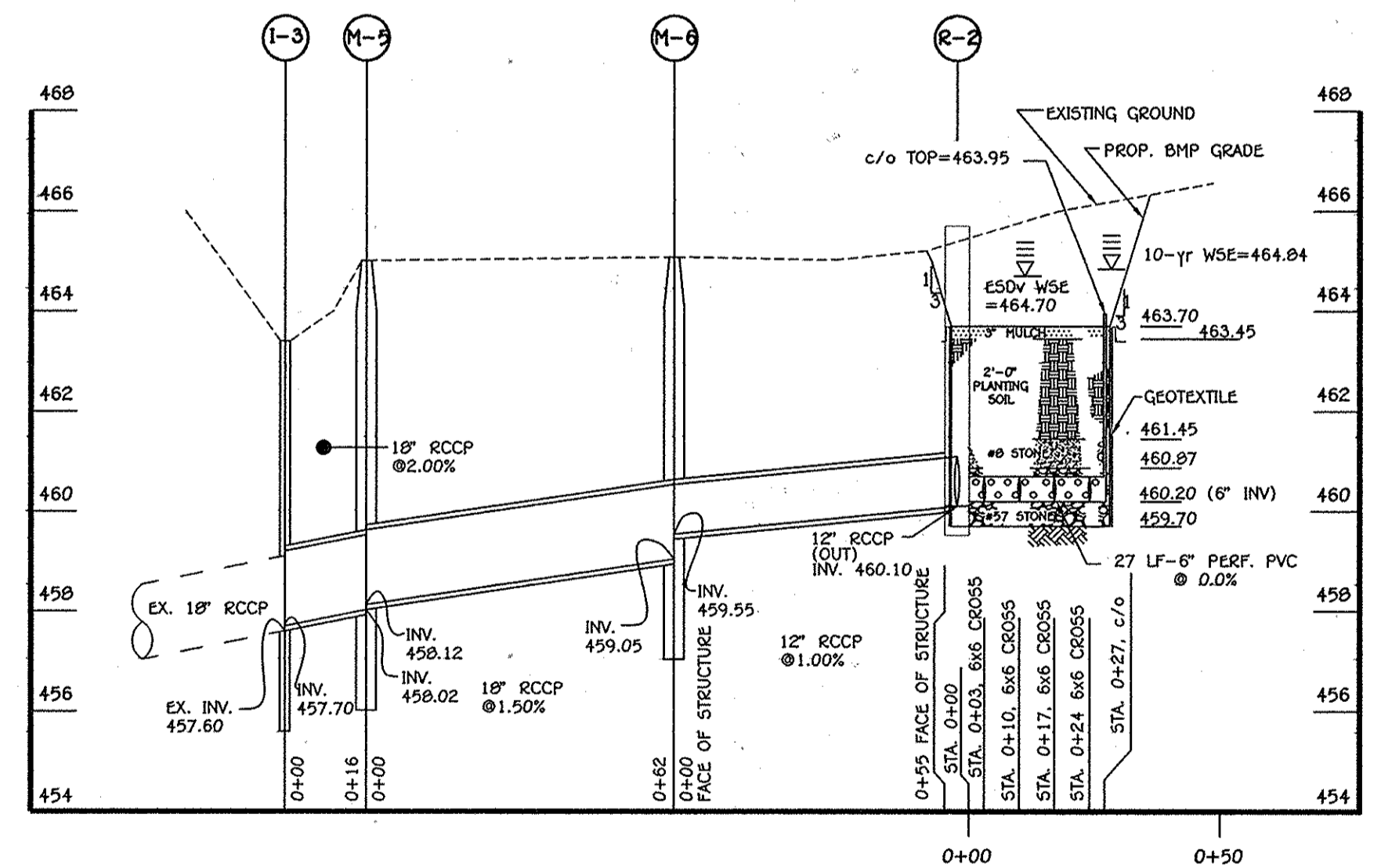
BMP #3 PLANTING PLAN
SCALE:
HORIZ: 1" = 20'

NOTE: SEE BMP TYPICAL SECTION SHEET 13



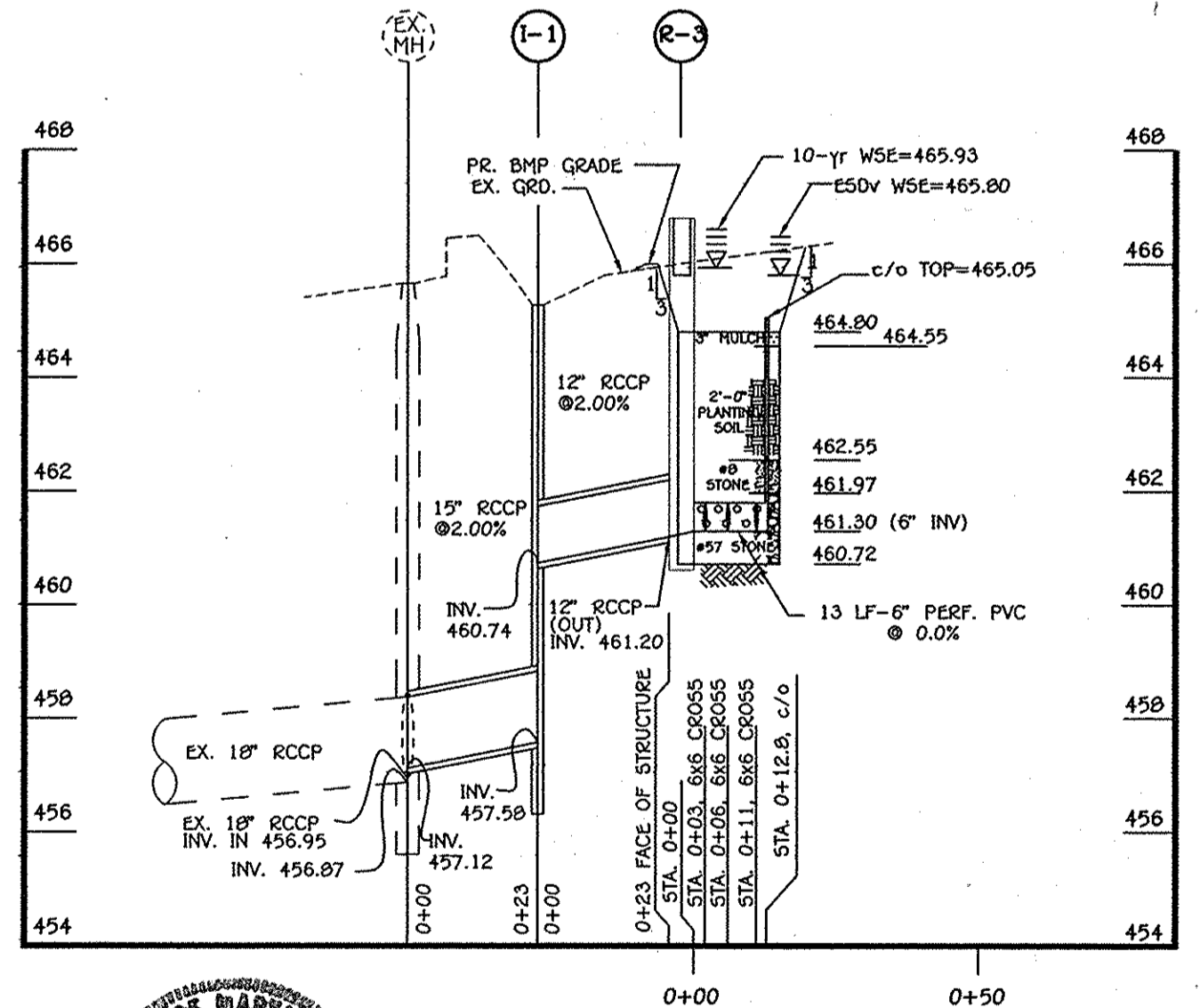
BMP #1 UNDERDRAIN OUTFALL PROFILE
SCALE:
HORIZ: 1" = 30'
VERT: 1" = 3'

NOTE: SEE BMP TYPICAL SECTION SHEET 13



BMP #2 UNDERDRAIN OUTFALL PROFILE
SCALE:
HORIZ: 1" = 30'
VERT: 1" = 3'

NOTE: SEE BMP TYPICAL SECTION SHEET 13

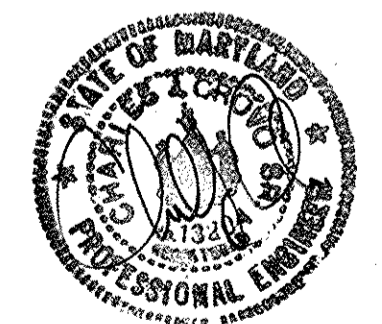


BMP #3 UNDERDRAIN OUTFALL PROFILE
SCALE:
HORIZ: 1" = 30'
VERT: 1" = 3'

NOTE: THE HOWARD COUNTY PLANNING BOARD ON AUGUST 4, 2011 APPROVED THE REQUEST FOR A RED-LINE REVISION OF THE SITE DEVELOPMENT PLAN TO CONSTRUCT FOUR ADDITIONS TO THE EXISTING PHELPS LUCK ELEMENTARY SCHOOL AND A PROPOSED 28 PARKING SPACE AREA.

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
10910 Maryland Route 108
Ellicott City, Maryland 21042
Attention: Bruce Gist
410-313-6805

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Thomas S. Rutler
DIRECTOR, DEPARTMENT OF PLANNING AND ZONING
DATE: 9/9/11
Kat Stalman
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 9-08-11
Chad...
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 9-7-11



THE PURPOSE OF THIS PLAN IS TO SHOW PLANS AND PROFILES FOR THE PROPOSED STORMWATER MANAGEMENT FACILITIES.

Address Chart			
Parcel #/Lot #	Street Address		
289/563	5370 OLSTONE COURT		
COLUMBIA, MARYLAND 21045			

STORMWATER MANAGEMENT FACILITY NOTES & DETAILS (2)			
"REVISED SITE DEVELOPMENT PLAN" PHELPS LUCK ELEMENTARY SCHOOL			
VILLAGE OF LONG REACH SECTION 1 AREA 1 LOT 563 PARCEL 289 TAX MAP 30 BLOCK 24			
SCALE: AS SHOWN DATE: MAY 12, 2011 SHEET 14 OF 14			

PROJECT	VILLAGE OF LONG REACH PHELPS LUCK ELEMENTARY SCHOOL	SECTION/AREA	1 / 1	LOTS	563	PARCELS	289
PLAT NO.	F-70-68	BLOCK NO.	24	ZONE	NT	TAX MAP	30
				ELEC. DIST.	SIX	CENSUS TR.	6065.00
WATER CODE	G 07		SEWER CODE	5636000			