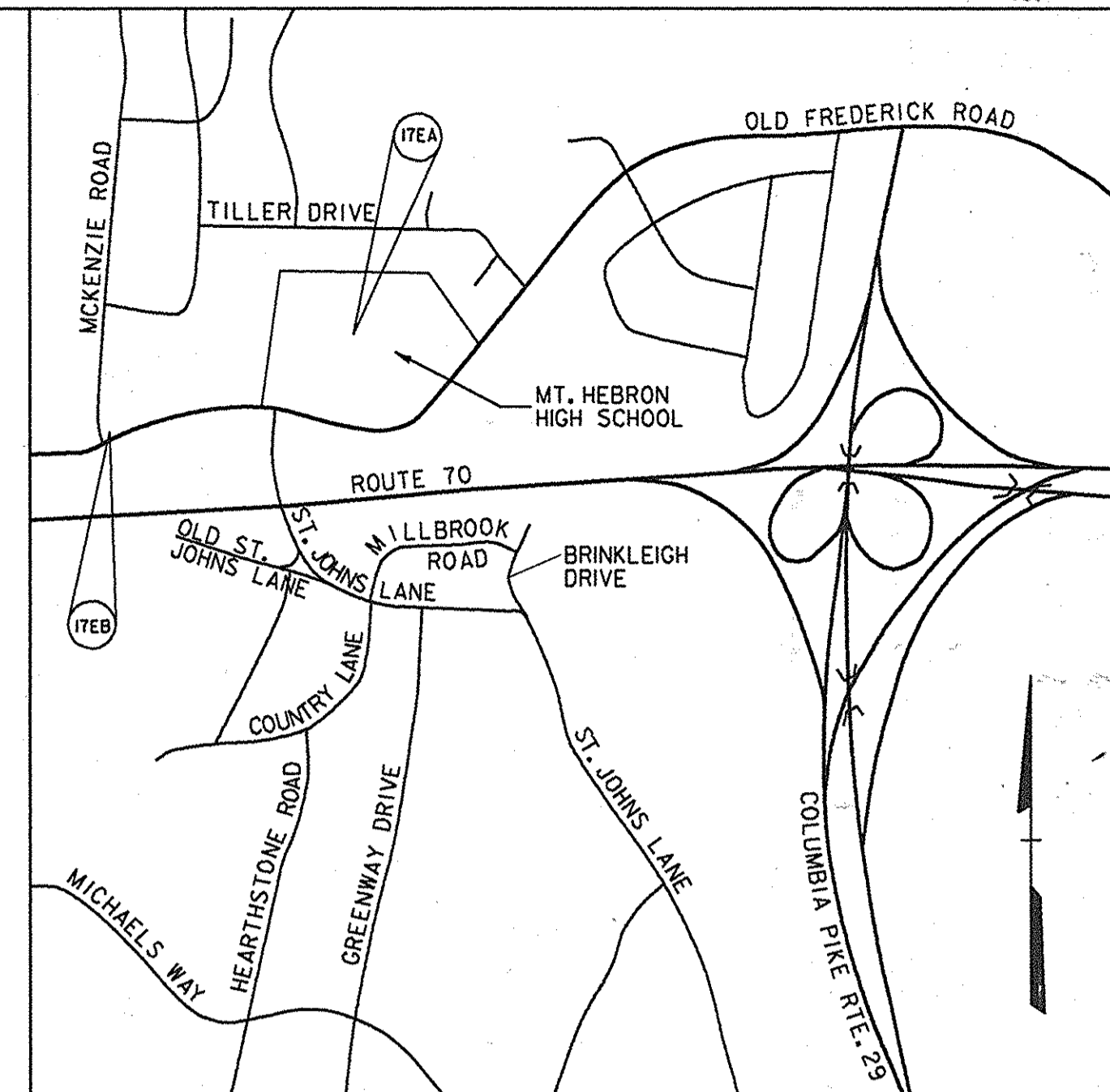


SHEET INDEX ▲

SHEET	DESCRIPTION	NO	DETAIL SHEET AND BUILDING ELEVATIONS
1	COVER SHEET	10	DETAIL SHEET AND BUILDING ELEVATIONS
2	SITE DEVELOPMENT PLAN	11	STORMWATER MANAGEMENT DETAILS AND NOTES
3	EROSION AND SEDIMENT CONTROL PLAN		SEE SHEET 12 FOR ADDITIONAL SHEETS ▲
4	EROSION AND SEDIMENT CONTROL DETAILS		
5	STORM WATER MANAGEMENT DRAINAGE AREA MAP		
6	DEMOLITION PLAN		
7	SITE DEVELOPMENT PLAN AND SEDIMENT CONTROL PLAN		
8	ENLARGEMENTS OF BUILDING ADDITIONS		
9	ENLARGEMENT OF TEMP PORTABLE CLASSROOMS RELOCATED BASEBALL FIELD		

- General Notes**
- All construction shall be performed in accordance with the latest standards and specifications of Howard County, plus MSHA standards and specifications if applicable or as specified.
 - Approximate location of existing utilities are shown from best available information. 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.
 - The contractor shall test pit existing utilities at least five (5) days before starting work shown on these drawings to verify their location and elevation. The contractor shall notify the engineer immediately if location of utilities is other than shown.
 - The contractor shall notify "Miss Utility" at 1-800-257-777 at least 48 hours prior to any excavation work being done, and 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.
 - Traffic control devices, markings, and signing shall be in accordance with the latest edition of the Manual of 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.
 - No floodplain exist within limits of disturbance.
 - No wetlands exist within limits of disturbance.
 - Storm Water Management Quantity & Quality control for this site is provided in an existing extended detention facility, infiltration facility, and a stormceptor, privately owned & maintained.
 - The Existing topography is taken from a field run survey with the two foot contour intervals prepared by Daft McCune Walker, Inc., dated April, 1997.
 - All inlets shall be constructed in accordance with Howard County Standards or MSHA Standards as specified on structure schedule.
 - Operating existing valves, switches, services or start up of new services shall be coordinated with the owner's representative.
 - Required siltation and sedimentation control plans shall be provided, installed and maintained.
 - Contractor shall carefully remove from the area to be disturbed all trees, shrubs and plant materials using procedures recommended by the American Nurseryman's Association so as to maximize the continual survival and health of the materials. These trees, shrubs and plant materials shall be transported to a designated location on the owner's property, and heeled into a mulch holding bed for future use by the owner in locations other than those involved in the contract work.
 - Where demolition is indicated on the drawings, it means to completely demolish feature, clear area of all debris, and dispose of off-site at a legal dumpsite. Abandon means to leave in place and cut where required, and bulkhead all cut ends with a plug or cap, or construct a 9" thick brick and mortar bulkhead conforming to existing utility materials.
 - Public water and sewer are to be utilized, contract 71W, 32S, and 2738S-B.
 - There are no known grave sites or cemeteries on this site.
 - The coordinates shown hereon are based upon the Howard County geodetic control which is based upon the Maryland State plane coordination system. Howard County monument numbers ITEA and ITEB were used for this project.
 - No traffic study is required for this project.
 - Existing utilities were test pitted and located by Rapid Rooter & J. Vinton Schafer & Sons, Inc, June 1997.

SITE DEVELOPMENT PLAN FOR Mt. Hebron High School Additions

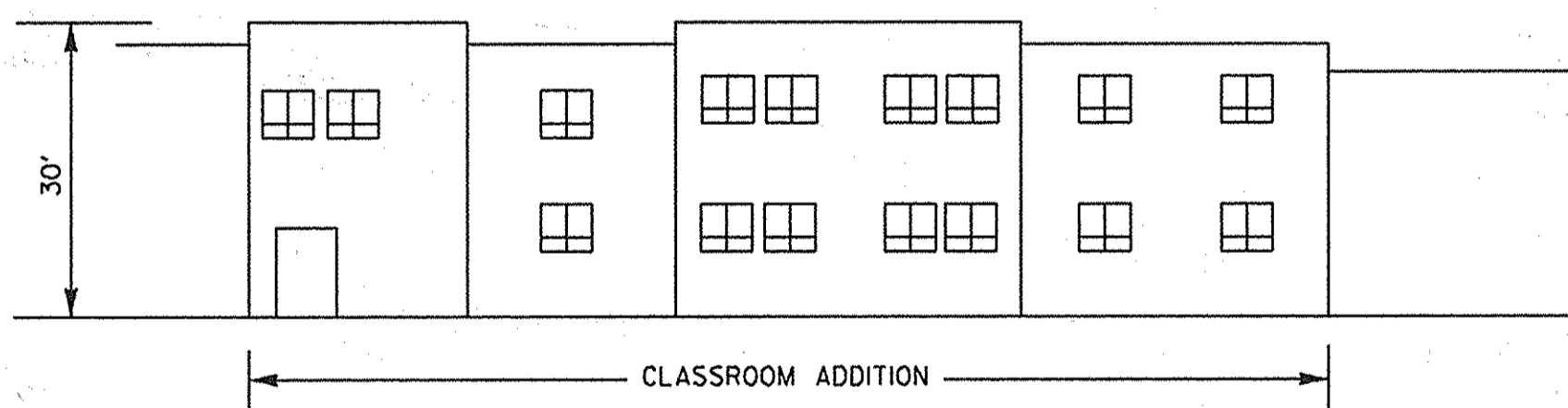
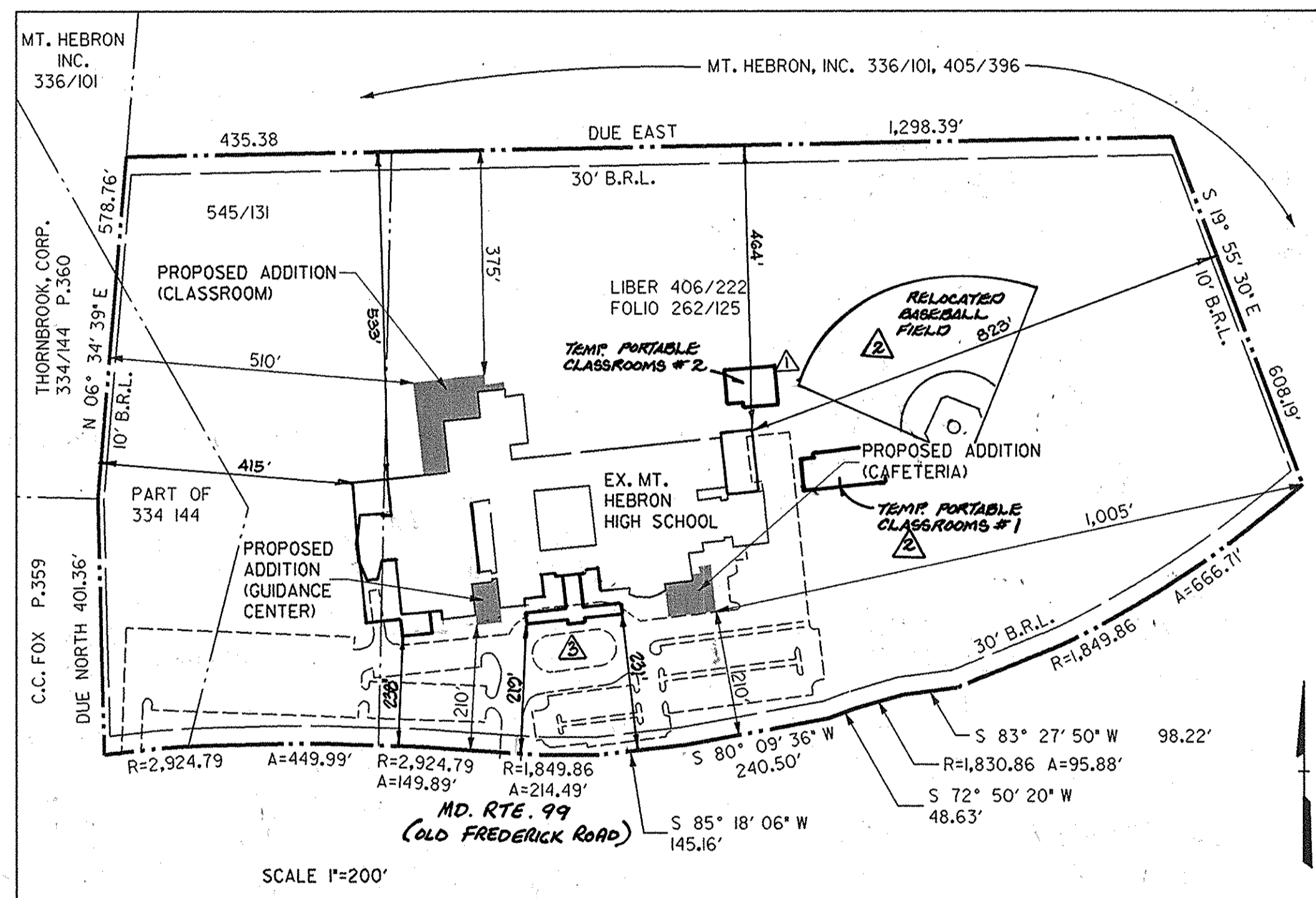


LOCATION MAP

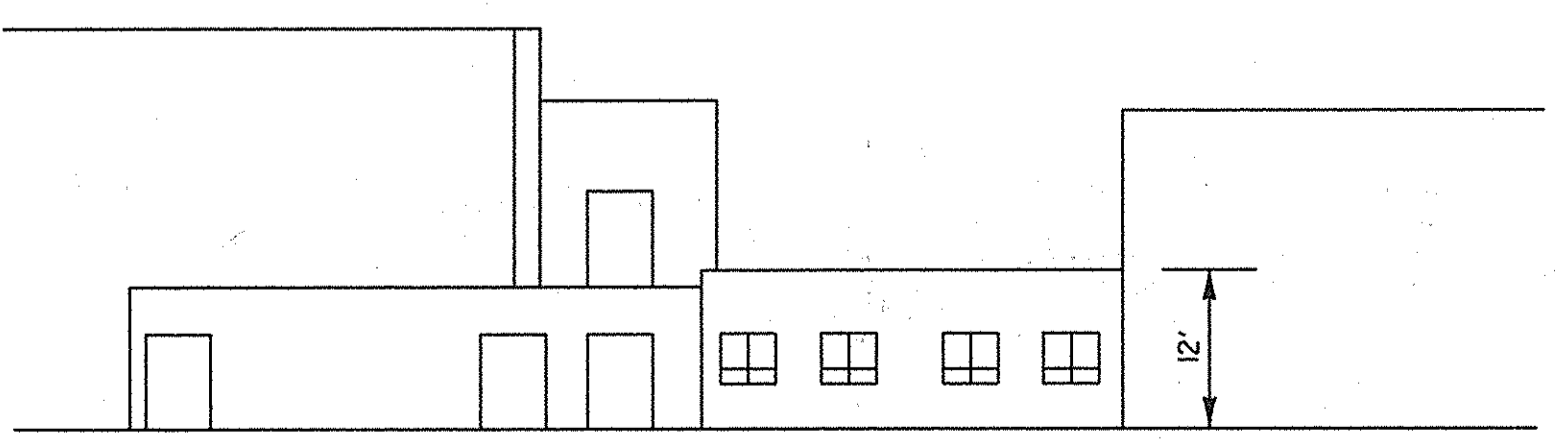
SCALE: 1" = 1000'

NO.	NORTH	SOUTH
ITEA	18160.5724 METERS	41372.7247 METERS ELEV. 479.46
ITEB	180994.8448 METERS	413227.8979 METERS ELEV. 454.23

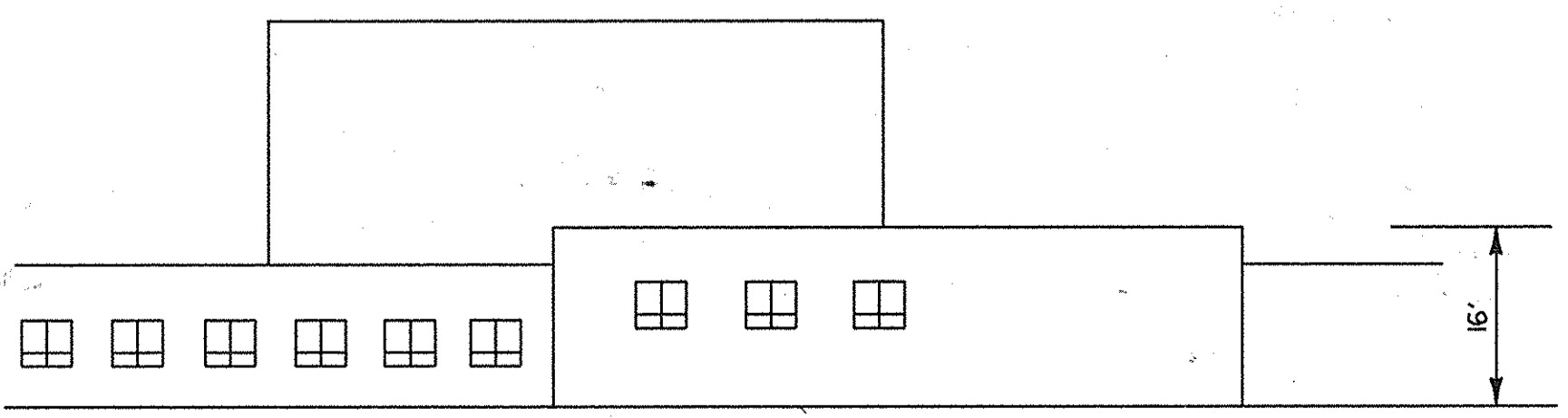
ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
PARCEL 471	9440 Old Frederick Road Rte. 99



NORTH ELEVATION-CLASSROOM ADDITION

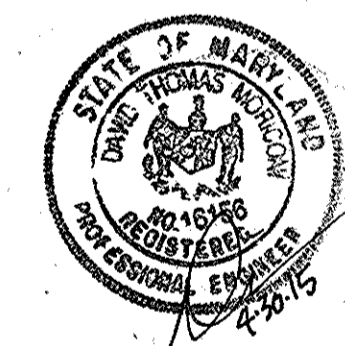


PARTIAL SOUTH ELEVATION-GUIDANCE ADDITION

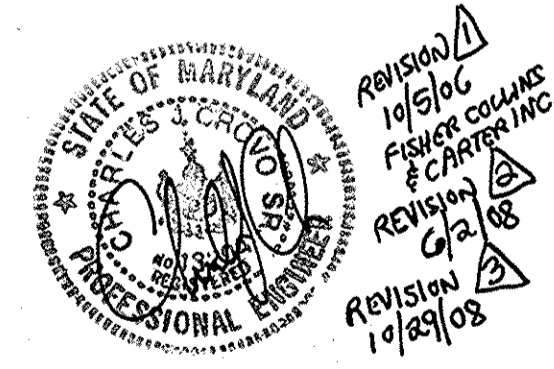


PARTIAL SOUTH ELEVATION-KITCHEN ADDITION

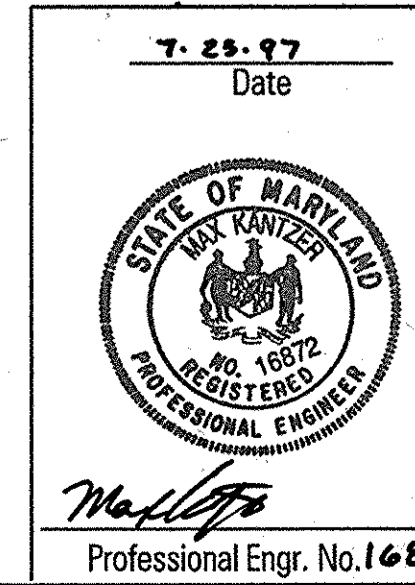
SITE ANALYSIS DATA CHART	
1. General Site Data	
a. Present Zoning:	R-20
b. Applicable DPZ File References:	SDP 95-127, SDP 78-27, SDP 75-106, SDP 81-167
c. Proposed Use of Site or Structure(s):	HIGH SCHOOL
d. Proposed Water and Sewer Systems:	YES Public Private
e. Any Other Information Which May be Relevant:	
2. Area Tabulation	
a. Total Project Area:	40.055 (PARCEL 471) Acres
b. Net Area of Site:	40.055 Acres
c. Area of This Plan Subdivision:	1.57 Acres +/-
d. Limit of Disturbed Area:	1.57 Acres +/-
e. Building Coverage of Site:	0.22 % of Gross Area
4. Open Space Data	
a. Open Space Required on Site:	N/A Acres % of Gross Area of POR Area
b. Open Space Proposed:	N/A Acres % of POR Area
5. Parking Space Data (See parking justification in file)	
a. Number of Parking Spaces Required by Zoning Regulations:	0 spaces
b. Total Number of Parking Spaces Existing On-Site:	455 spaces per SDP 95-127
c. Number of Handicapped Parking Spaces Existing:	9 spaces per SDP 95-127
d. Number of Standard Parking Spaces Existing:	446 spaces per SDP 95-127



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 16872, Expiration Date: 8-28-16



PROPERTY RECORDED IN LIBER: 406, FOLIO 222
LIBER: 545, FOLIO 131
LIBER: 334, FOLIO 144 (PART OF)



SDP-97-146

4-30-15 REVISION SHEET TOTAL & INDEX

10/27/08 REVISION LEFT SIDE BUILDING ADDITION AND CANOPY

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION 7/31/97 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT 8/1/97 DATE

DIRECTOR 8/1/97 DATE

6/2/08 ADD NEW TEMP PORTABLE CLASSROOMS (#1 & #2)

10/18/00 ADDED SHEET INDEX, SITE ANALYSIS, ADDED BUILDING ADDITIONS AND CHANGED SHEET NO. 9 & ADD 4 NEW PORTABLE CLASSROOMS

Date No. Revision Description

MT. HEBRON HIGH SCHOOL ADDITIONS

OWNER /DEVELOPER:
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
SCHOOL PLANNING AND CONSTRUCTION
10910 ROUTE 108, ELLICOTT CITY, MD 21042

DMW
Daft McCune-Walker, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax 296-4700

A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals

PROJECT NAME: MT. HEBRON HIGH SCHOOL SECTION: 17 PARCEL # 471
BLOCK # 109A TAX MAP 17 DISTRICT 2 ZONING TRACT 6021
SEE LIST 8,10,15,16 R-20
WATER CODE H03 SEWER CODE 1406900

COVER SHEET

Des By	JWM	Scale	AS SHOWN	Proj. No.	96108.S
Dwn By	JWM	Date	7-23-97		21
Chk By	MK	Approved	MK		1 OF 11

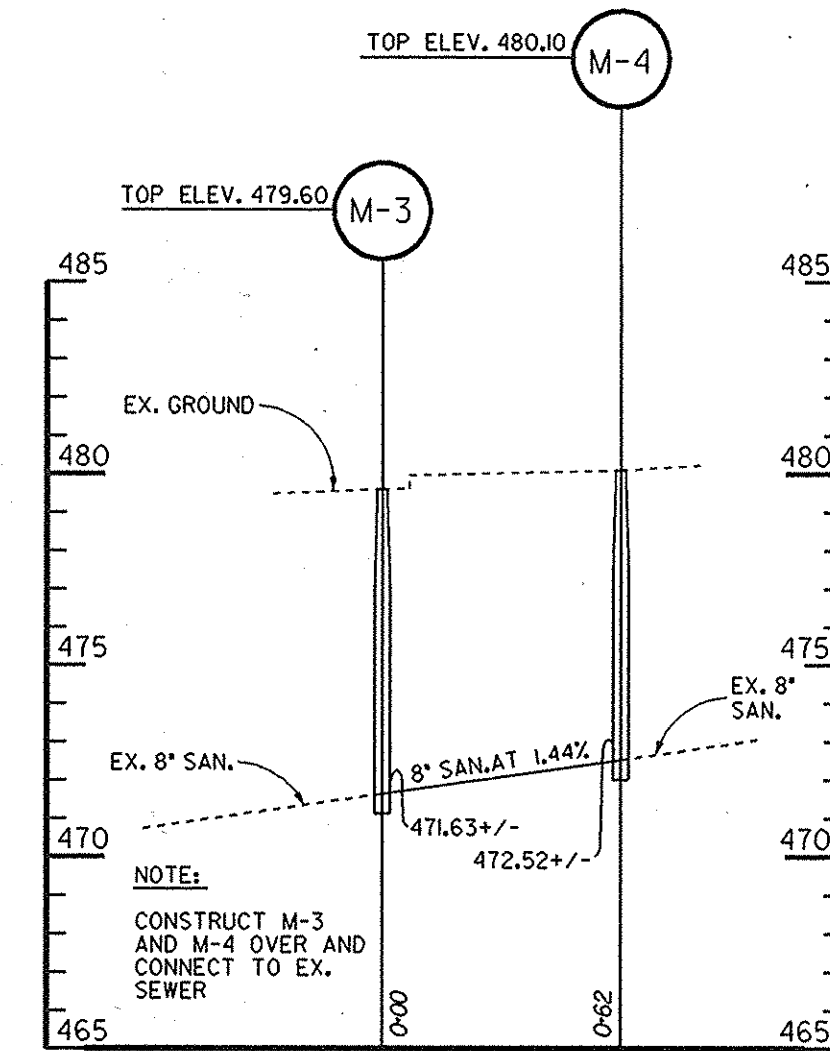
Professional Engr. No. 16872

Wed Jul 23 09:51:11 1997 d:\96108\961081.s

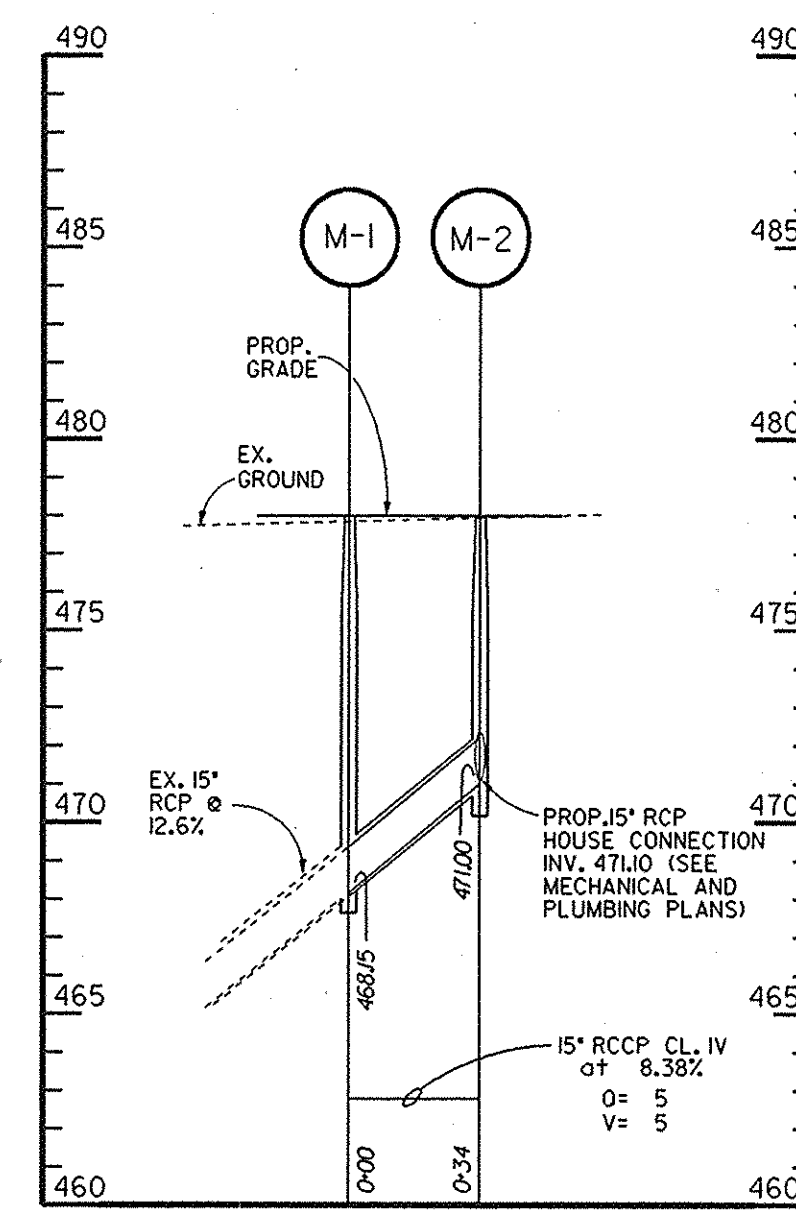
STRUCTURE SCHEDULE

NO.	TYPE	INVERT IN	INV. OUT	TOP ELEV.
1	HOW. CO. G 5/12	468.15	468.05	478.00
2	HOW. CO. G 5/12	471.10	471.00	478.00
3	HOW. CO. G 5/12	471.63	471.53	479.60
4	HOW. CO. G 5/12	472.62	472.52	480.10
5	HOW. CO. G 5/12	460.71	460.61	471.50
6	HOW. CO. G 5/12	464.6	464.5	471.00
7	HOW. CO. G 5/12	467.91	467.81	476.50
8	HOW. CO. G 5/12			480.90
9	HOW. CO. G 5/12	474.60	474.50	481.62
10	HOW. CO. G 5/12			482.1

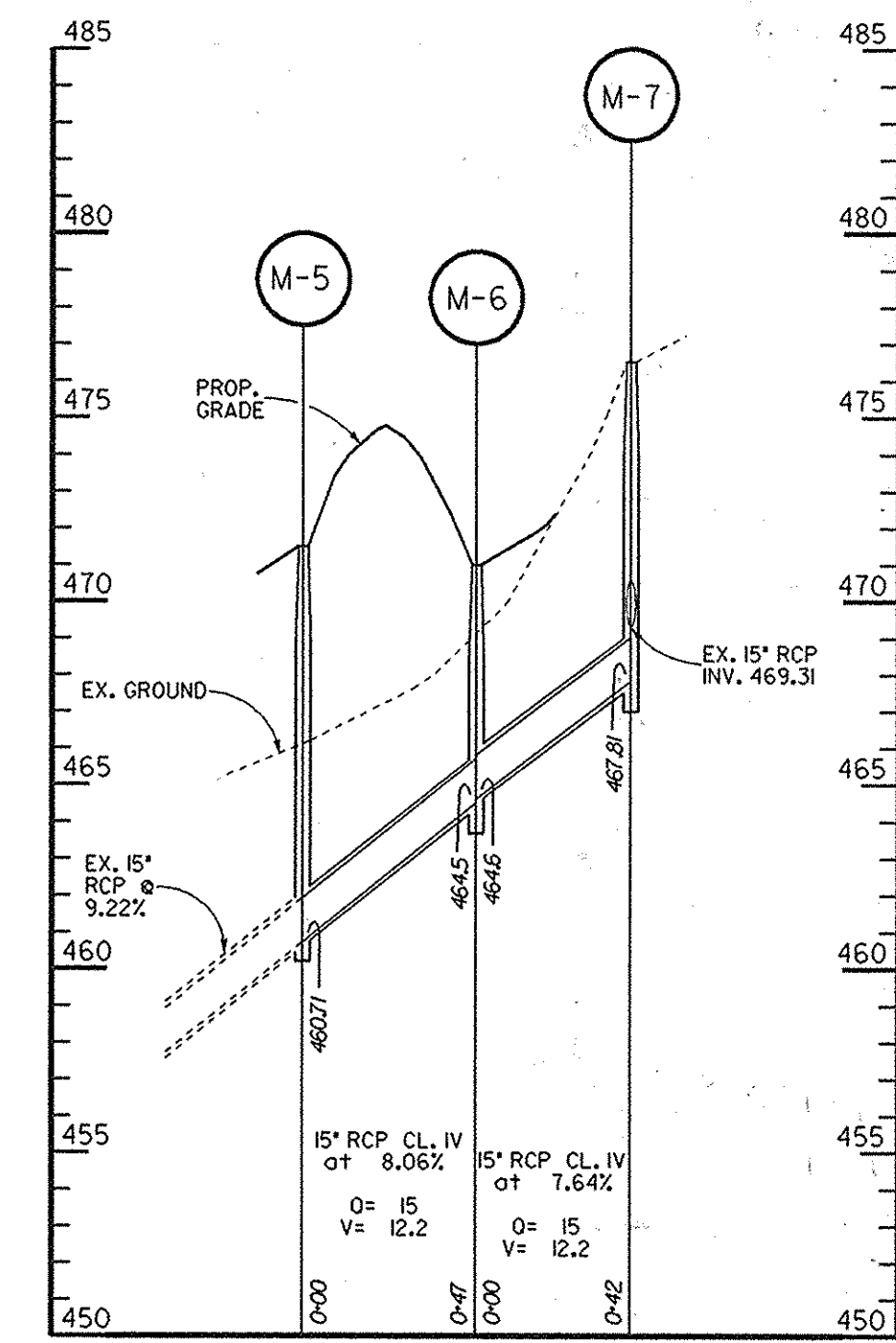
NOTE: CONTRACTOR TO VERIFY LOCATION, SIZE, AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES



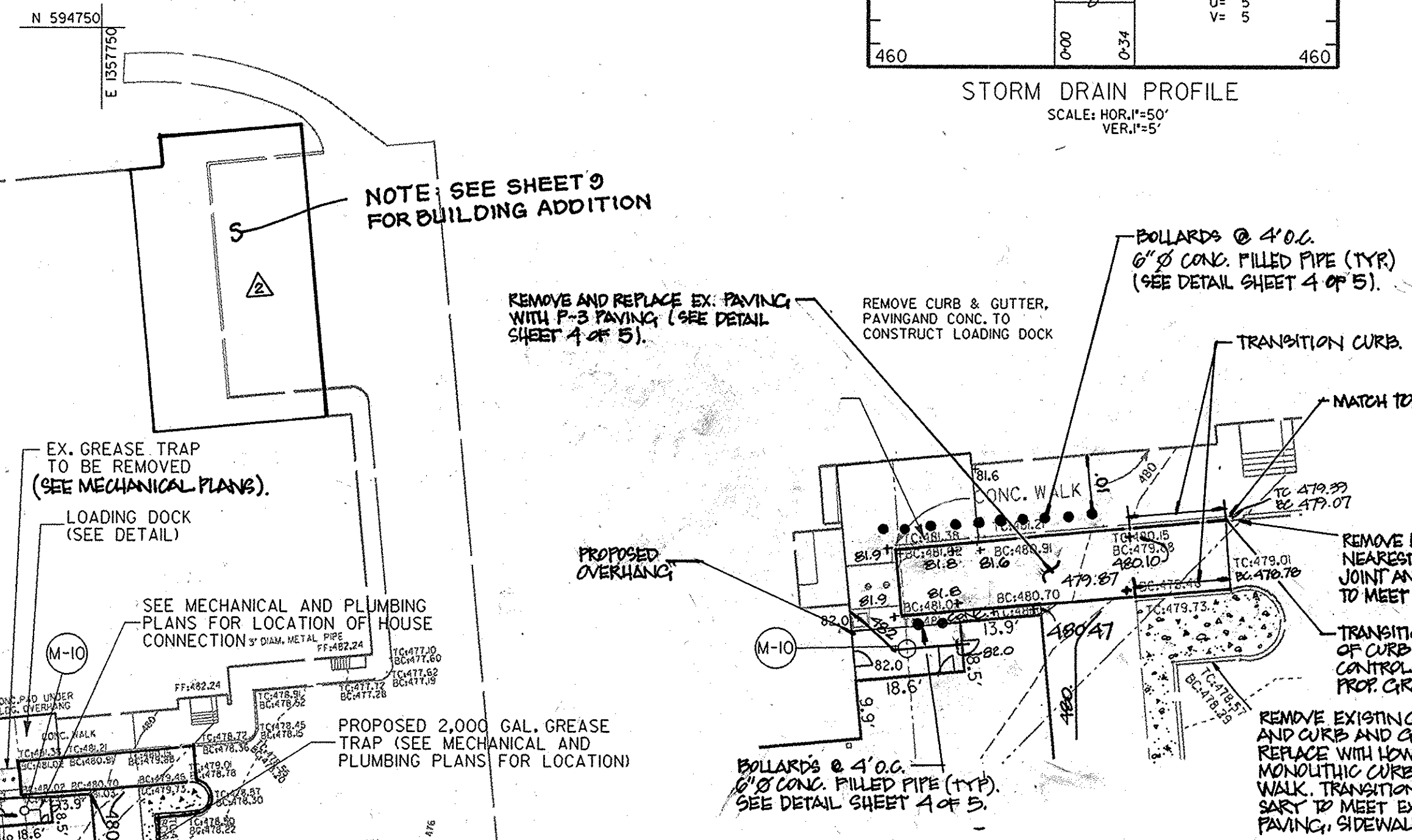
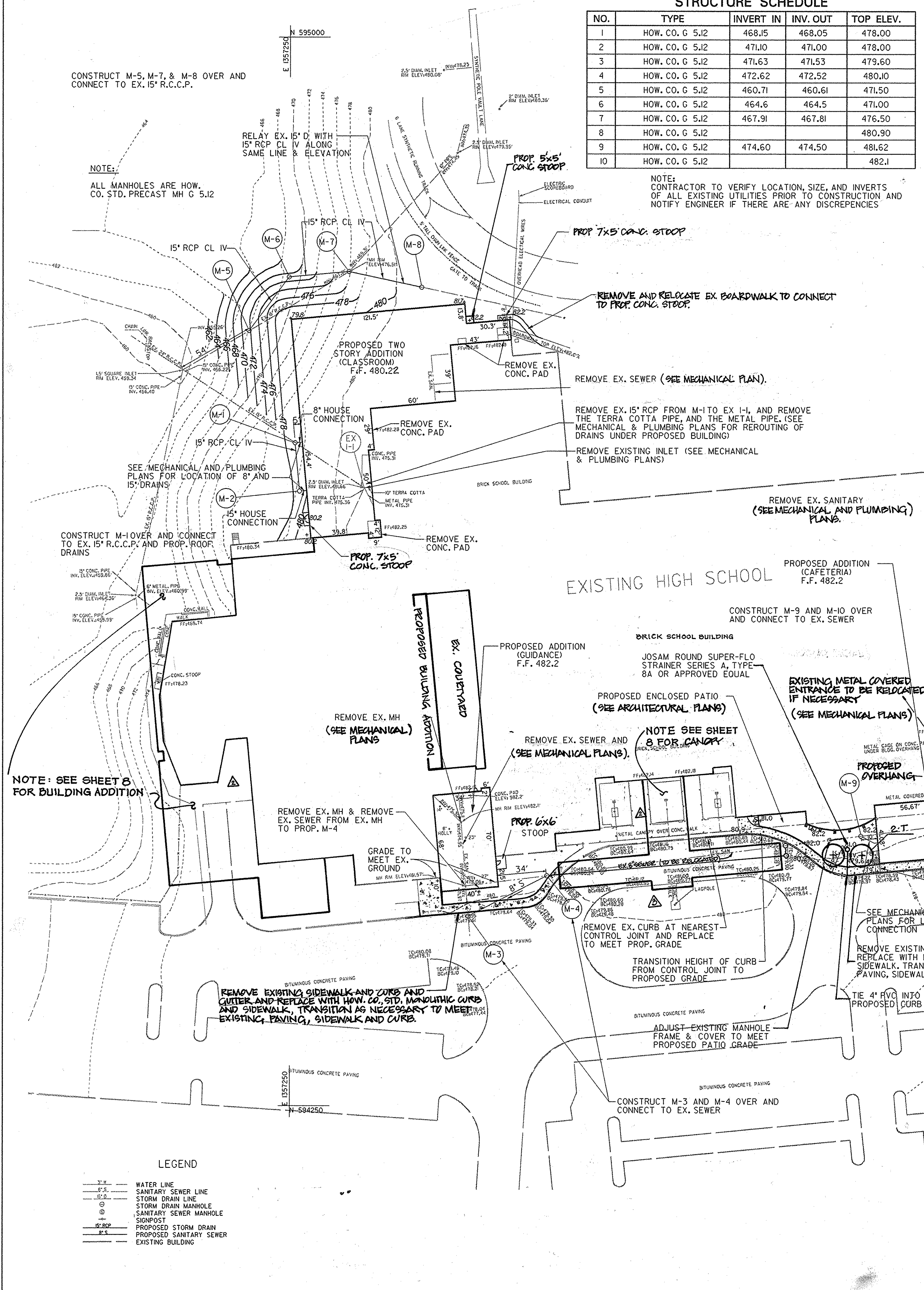
SANITARY SEWER PROFILE



STORM DRAIN PROFILE



STORM DRAIN PROFILE



LOADING DOCK DETAIL

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

CHIEF DEVELOPMENT ENGINEERING DIVISION	7/16/97
DATE	
DIRECTOR	8/1/97
DATE	
DIRECTOR	8/4/97
DATE	

9-12-97 1 REVISED LOADING DOCK AND ADDED CURB & GUTTER PER ARCHITECTURAL PLANS

10/9/06 1 ADDED BUILDING ADDITION, CHANGE SHEET NUMBERS AND TO ADD A NEW PORTABLE CLASSROOM MODULARS.

10/29/09 1 REVISED LEFT SIDE BUILDING ADDITION AND CANOPY

4-30-15 1 REVISED SHEET TOTAL

MT. HEBRON HIGH SCHOOL ADDITIONS

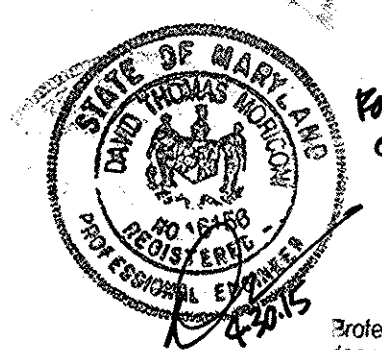
OWNER /DEVELOPER:
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
SCHOOL PLANNING AND CONSTRUCTION
10910 ROUTE 108, ELLICOTT CITY, MD 21042

DMW
Duff McQuinn-Walkers, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 286-3333
Fax 296-4705

A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

SUBDIVISION NAME	SECTION/AREA	DATE
MT. HEBRON HIGH SCHOOL	ADDITION 17	7-23-97
PROJECT NO.	DATE	SCALE
SEE LIST 8,10,15,16 R-20	7-23-97	1" = 40'
WATER CODE	SEWER CODE	PROJECT NO.
H03	1408900	96108.S

SITE DEVELOPMENT PLAN		
Des By	JWM	Scale 1" = 40'
Dm By	JWM	Date 7-23-97
Proj. No.	96108.S	
Chk By	MK	Approved MK
		2 OF 14



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

16176 Expiration Date: 8-28-16

NOTE: CONTRACTOR TO RELAY 18" RCP BETWEEN EX. INLET & STORMCEPTOR AND REMOVE 18" R.C.P. AS NECESSARY TO INSTALL STORMCEPTOR WITH 1" DROP

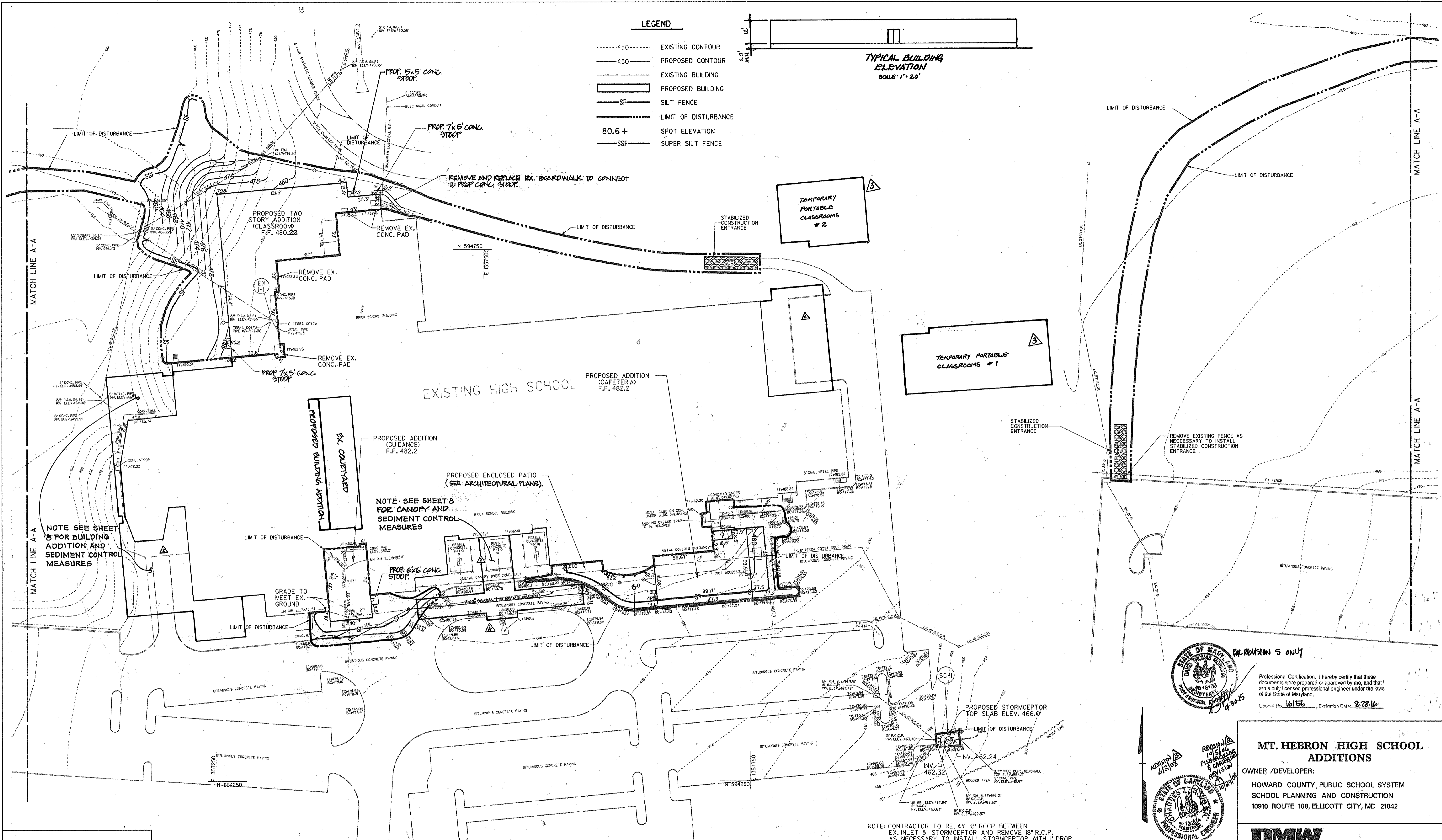


7-23-97 Date

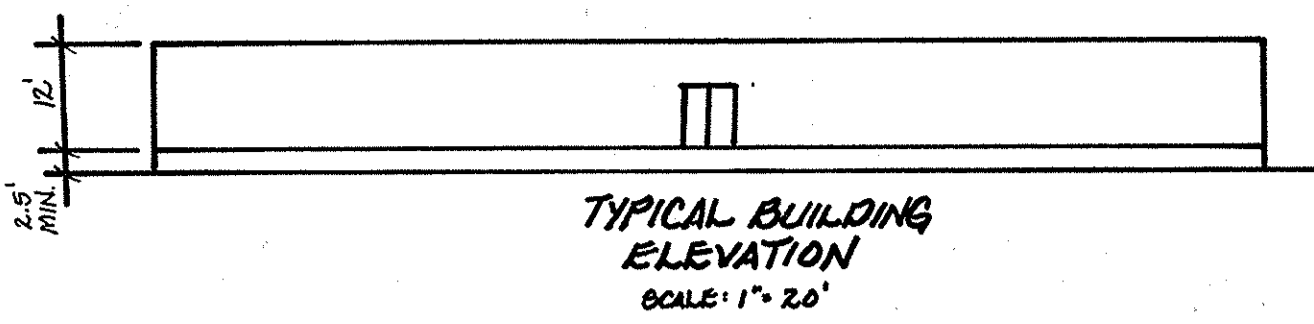


Professional Engr. No. 16872

SDP-97-146



- LEGEND**
- 450--- EXISTING CONTOUR
 - 450— PROPOSED CONTOUR
 - ▭ EXISTING BUILDING
 - ▭ PROPOSED BUILDING
 - SF— SILT FENCE
 - LIMIT OF DISTURBANCE
 - 80.6+ SPOT ELEVATION
 - SSF--- SUPER SILT FENCE



NOTE SEE SHEET 8 FOR BUILDING ADDITION AND SEDIMENT CONTROL MEASURES

NOTE: SEE SHEET 8 FOR CANOPY AND SEDIMENT CONTROL MEASURES

NOTE: CONTRACTOR TO RELAY 18" RCCP BETWEEN EX. INLET & STORMCEPTOR AND REMOVE 18" R.C.P. AS NECESSARY TO INSTALL STORMCEPTOR WITH 1" DROP

DATE	No	REVISION
6/2/08	3	ADD 2 NEW TEMP PORTABLE CLASSROOMS #1 & #2 AND RELOCATE BASEBALL FIELD
10/20/09	4	REVISED LEFT SIDE BUILDING ADD. & CANOPY

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

Chester K. Simmons 07/29/97
U.S. NATURAL RESOURCE CONSERVATION SERVICE DATE

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

John R. Blanton 7/29/97
HOWARD S.C.D. DATE

ENGINEER'S CERTIFICATION:
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.

Max Kantzer 7.23.97
SIGNATURE OF ENGINEER DATE
PRINT NAME BELOW SIGNATURE

DEVELOPER'S CERTIFICATION:
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 INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

Cathleen Conley Young 7/24/97
SIGNATURE OF DEVELOPER DATE
PRINT NAME BELOW SIGNATURE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

CHIEF DEVELOPMENT ENGINEERING DIVISION 7/19/97 DATE

J. Kent Shuler 8/1/97 DATE
DIRECTOR OF DIVISION OF LAND DEVELOPMENT

9-12-97 1 REVISED LEADING DECK AND ADDED CURB AND GUTTER
10/9/06 2 PER ARCHITECTURAL PLANS
4-30-15 3 ADD BUILDING ADDITIONS, CHANGE SHEET NUMBERS AND TO ADD 4 NEW PORTABLE CLASSROOM MODULARS
4-30-15 4 REVISED SHEET TOTAL

7-23-97 DATE

Max Kantzer
PROFESSIONAL ENGR. NO. 16872



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License No. 16156 Expiration Date: 8-28-16

MT. HEBRON HIGH SCHOOL ADDITIONS

OWNER /DEVELOPER:
HOWARD COUNTY, PUBLIC SCHOOL SYSTEM
SCHOOL PLANNING AND CONSTRUCTION
10910 ROUTE 108, ELLICOTT CITY, MD 21042

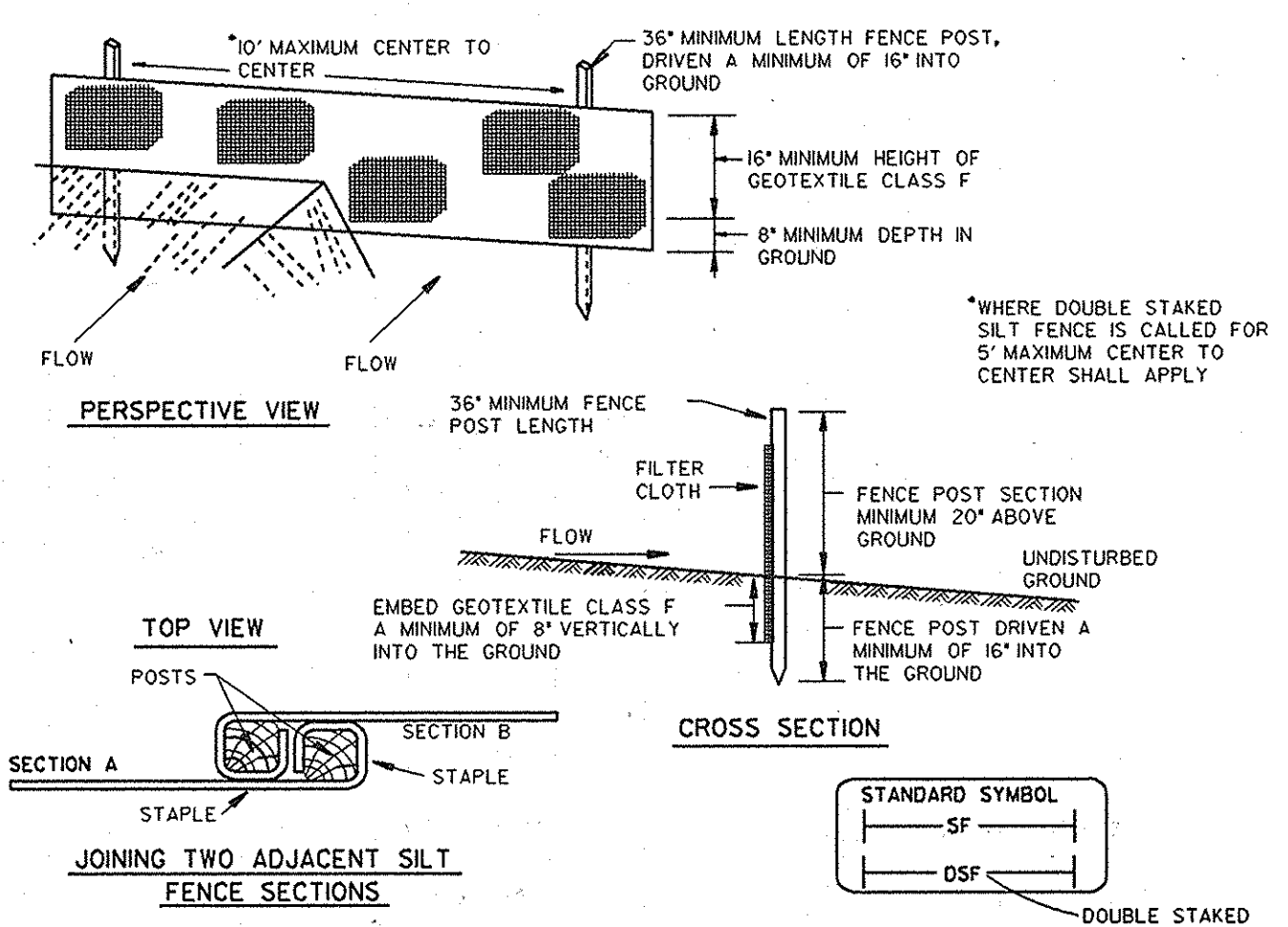
DMW
DRAFT-McCune-Walker, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 286-3333
Fax 286-4705

A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

SUBDIVISION NAME	MT. HEBRON HIGH SCHOOL	SECTION/AREA	SECTION/AREA #
PLAT # OR OF	BLOCK # 1206	TAXING MAP	BLK# DISTRICT
SEE LIST	9,10,15,16	R-20	2
WATER CODE	H03	SEWER CODE	1406900
TITLE	EROSION & SEDIMENT CONTROL PLAN		
Des By	JWM	Scale	1"=40'
Dm By	JWM	Date	7-23-97
Chk By	MK	Approved	MK
Proj. No.	96108.S		
	21		
	3 OFF		

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS 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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - SEVEN CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1
 - FOURTEEN 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 AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I, CHAPTER 12, OF THE 'HOWARD COUNTY DESIGN MANUAL,' STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS, SOD, TEMPORARY SEEDING, AND MULCHING (SECTION C). 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	40,055 ACRES
AREA TO BE ROOFED OR PAVED	1.90 ACRES
AREA TO BE VEGETATIVELY STABILIZED	1.50 ACRES
TOTAL CUT	CUBIC YARDS
TOTAL FILL	CUBIC YARDS
OFF-SITE WASTE/BORROW AREA LOCATION WASTE = 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.



Construction Specifications

- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1/2" x 1/2" square (minimum) cut, or 1 1/2" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard I or U section weighting not less than 100 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min)	Test: MMT 509
Tensile Modulus	20 lbs/in (min)	Test: MMT 509
Flow Rate	0.3 gal/ft/minute	Test: MMT 322
Filtering Efficiency	75% (min)	Test: MMT 322

- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

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

SEDIMENT CONTROL GENERAL NOTES

Series A

TYPE NO.	A	B	C	D	FREE AREA	LB/S
1A	1	1-1/2	1-1/2	1-1/2	1.8	2
1B	1	1-1/2	1-1/2	1-1/2	1.8	2
1C	1	1-1/2	1-1/2	1-1/2	1.8	2
1D	1	1-1/2	1-1/2	1-1/2	1.8	2

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, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SO.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SO.FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SO.FT.)
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SO.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SO.FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (4 LBS./1000 SO.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 1.05 LBS./1000 SO.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY OPTION (1) - 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (2) - USE SOD, OPTION (3) - SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SO.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATIONS USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SO.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FT. OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SO.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

TEMPORARY SEEDING NOTES

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

SEEDBED PREPARATION - LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS - APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SO.FT.)

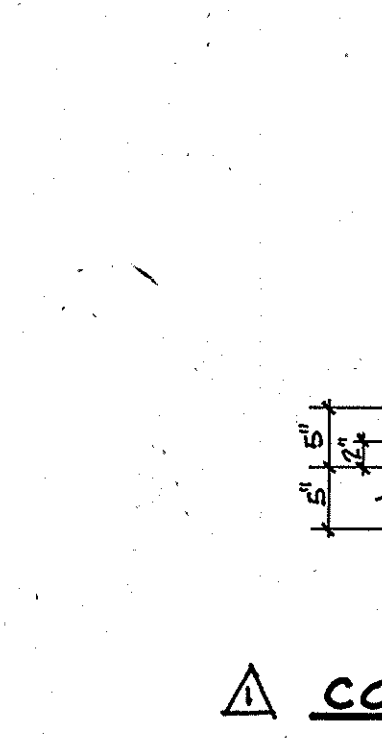
SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 OCTOBER 15, SEED WITH 2-1/2 BUSHES PER ACRE OF ANNUAL RY. 3.2 LBS./1000 SO.FT. FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS./1000 SO.FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT 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 SO.FT.) OF UNROTTED WEEF FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATIONS USING MULCH ANCHORING TOOL OR 218 GAL. PER ACRE (5 GAL/1000 SO.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FT. OR HIGHER, USE 348 GAL. PER ACRE (8 GAL/1000 SO.FT.) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

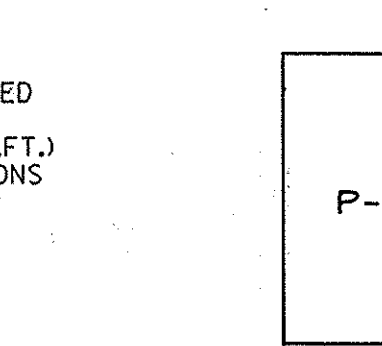
PERMANENT SEEDING NOTES

SILT FENCE



SEQUENCE OF OPERATIONS

- OBTAIN GRADING PERMIT. 1 DAY
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES. 1 DAY
- REMOVE, RELOCATE AND CONSTRUCT UTILITIES, STORMCEPTOR AND MANHOLES. 14 DAYS
- EXCAVATE FOR FOUNDATIONS AND ROUGH GRADE FOR BUILDINGS. 14 DAYS
- CONSTRUCT BUILDINGS, SIDEWALKS, AND RECONSTRUCT PAVING. 120 DAYS
- FINE GRADE AND STABILIZE DISTURBED AREAS ON SITE IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS. 14 DAYS
- UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES AND STABILIZE. 14 DAYS



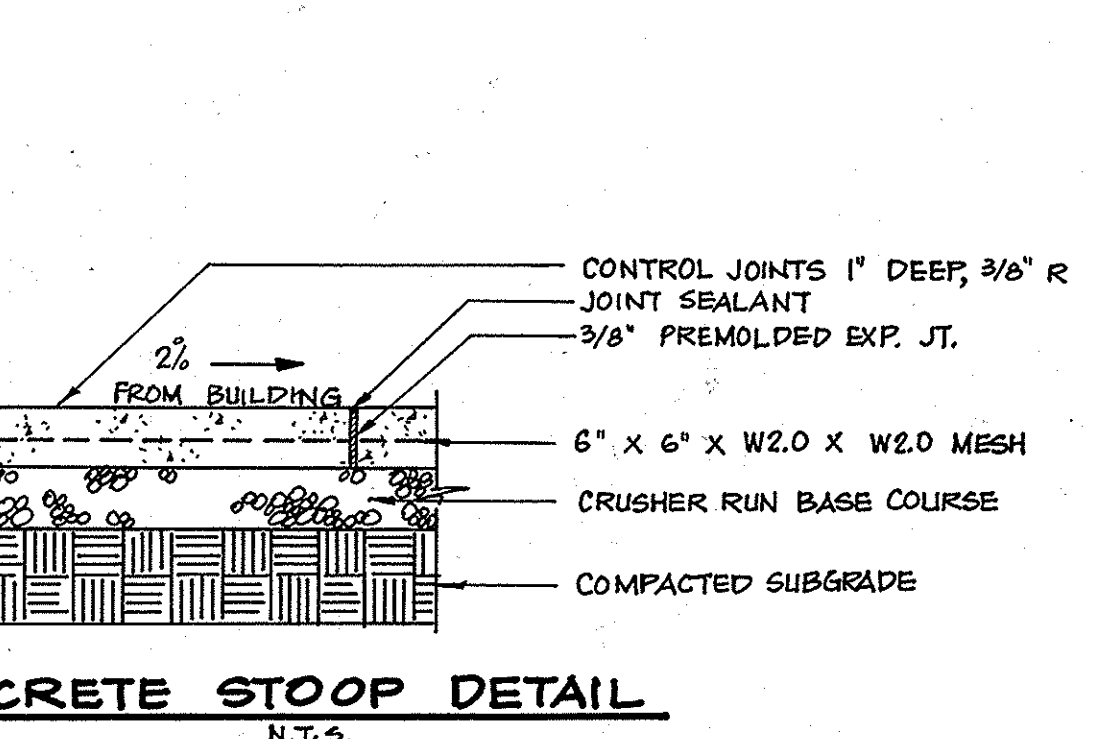
P-3 PAVING SECTION

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

Signature: [Signature] DATE: 8/28/16

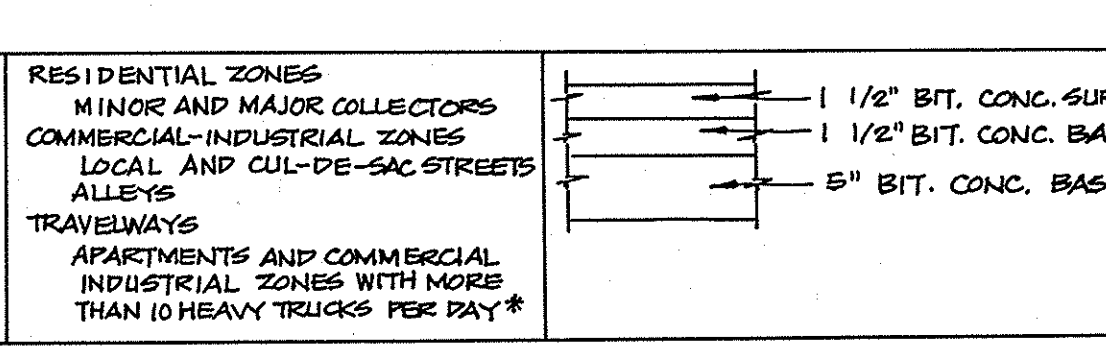
PERMANENT SEEDING NOTES

CONCRETE STOOP DETAIL



SEQUENCE OF OPERATIONS

- OBTAIN GRADING PERMIT. 1 DAY
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES. 1 DAY
- REMOVE, RELOCATE AND CONSTRUCT UTILITIES, STORMCEPTOR AND MANHOLES. 14 DAYS
- EXCAVATE FOR FOUNDATIONS AND ROUGH GRADE FOR BUILDINGS. 14 DAYS
- CONSTRUCT BUILDINGS, SIDEWALKS, AND RECONSTRUCT PAVING. 120 DAYS
- FINE GRADE AND STABILIZE DISTURBED AREAS ON SITE IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS. 14 DAYS
- UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES AND STABILIZE. 14 DAYS



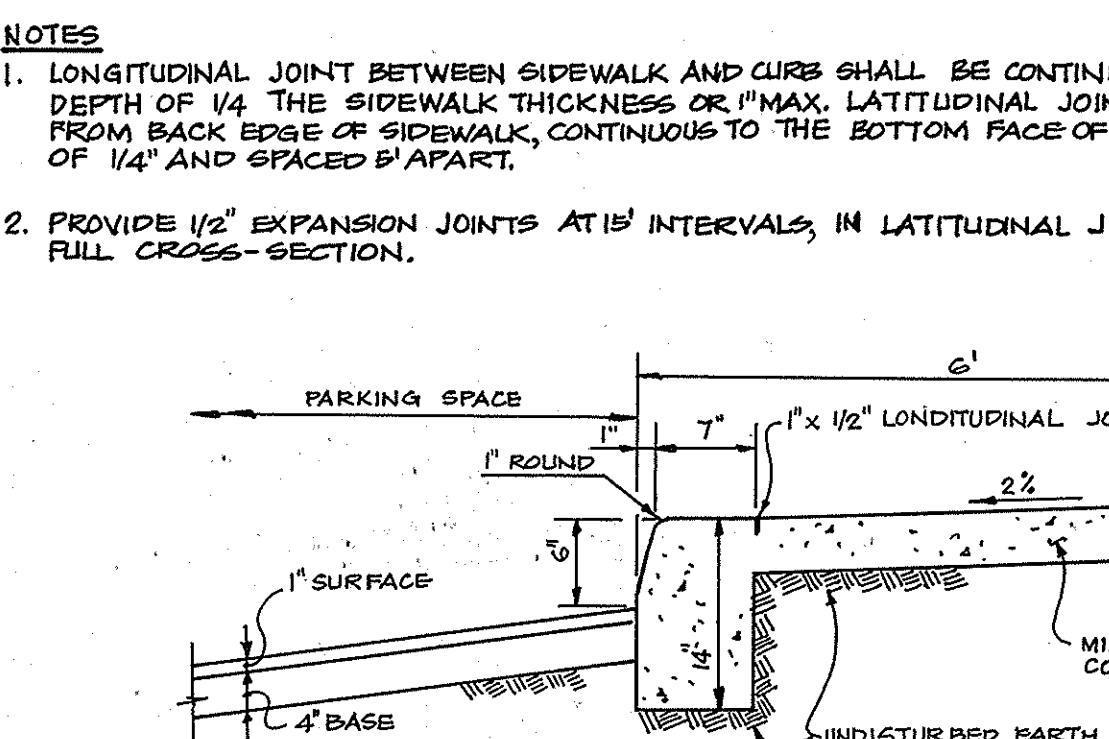
P-3 PAVING SECTION

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

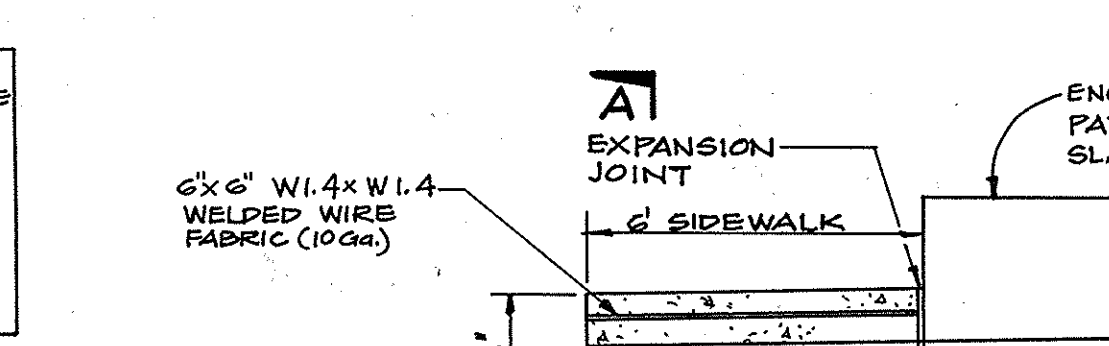
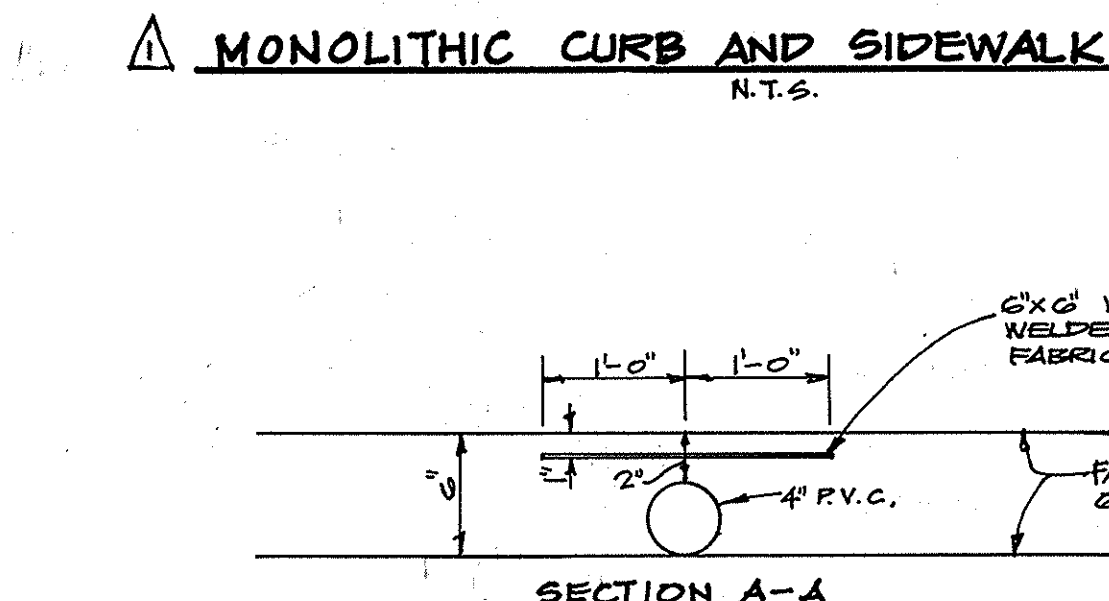
Signature: [Signature] DATE: 8/28/16

PERMANENT SEEDING NOTES

STABILIZED CONSTRUCTION ENTRANCE



MONOLITHIC CURB AND SIDEWALK R.3.07



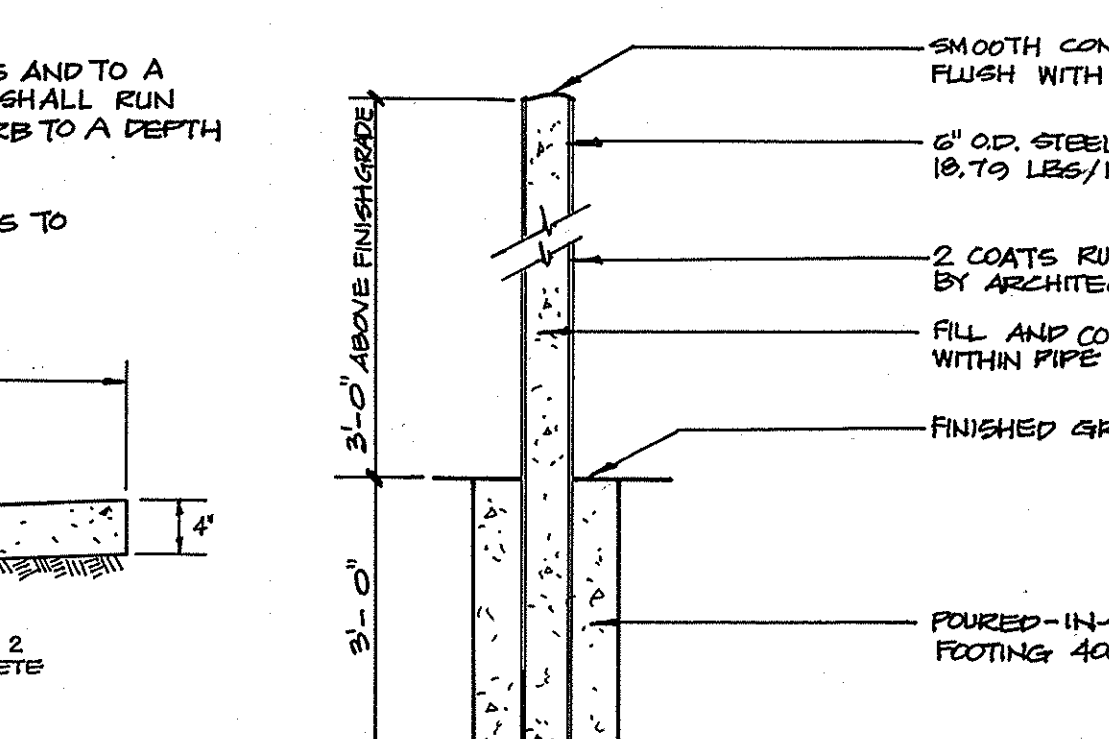
4" P.V.C. TYING INTO PROPOSED CURB

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

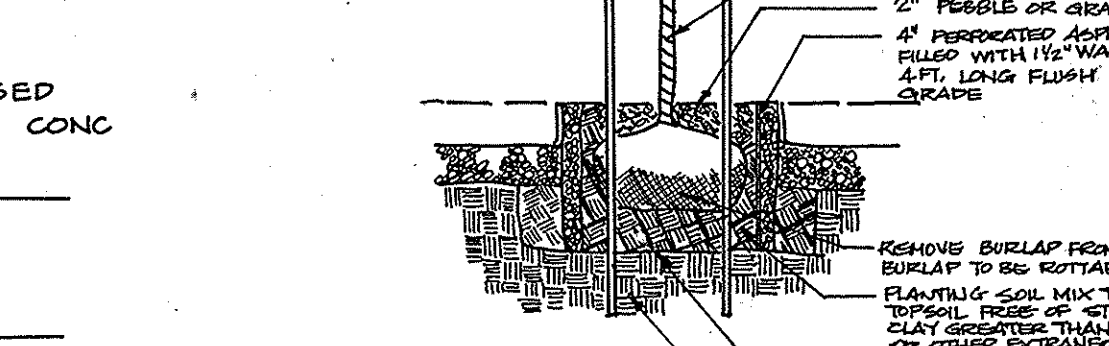
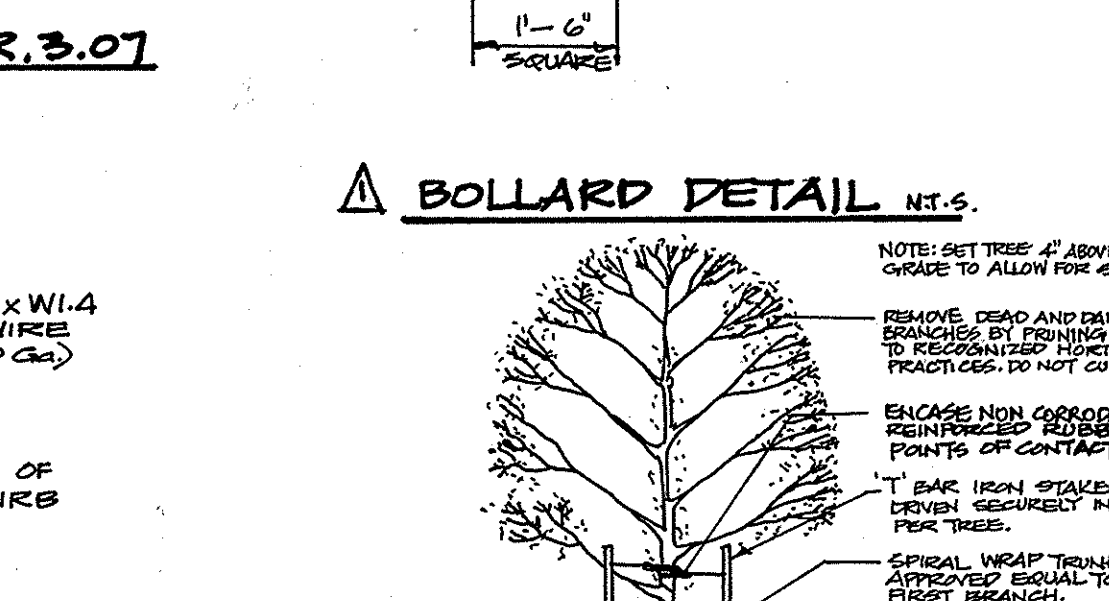
Signature: [Signature] DATE: 7/23/97

PERMANENT SEEDING NOTES

BOLLARD DETAIL



MONOLITHIC CURB AND SIDEWALK R.3.07



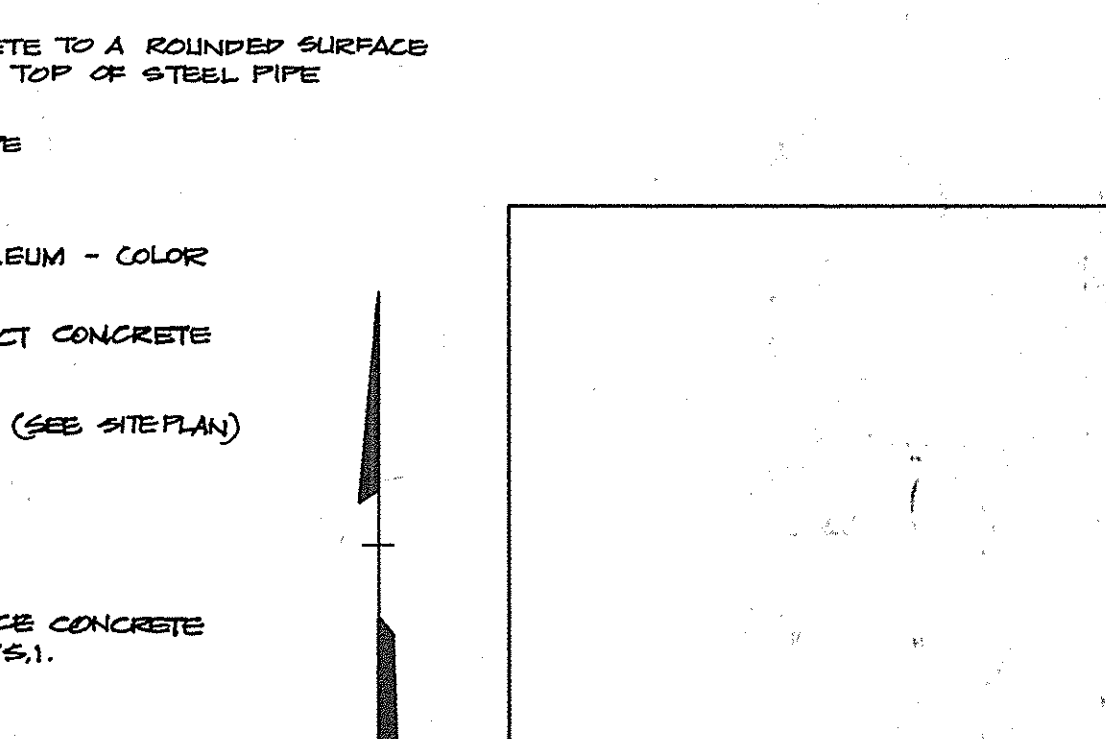
4" P.V.C. TYING INTO PROPOSED CURB

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

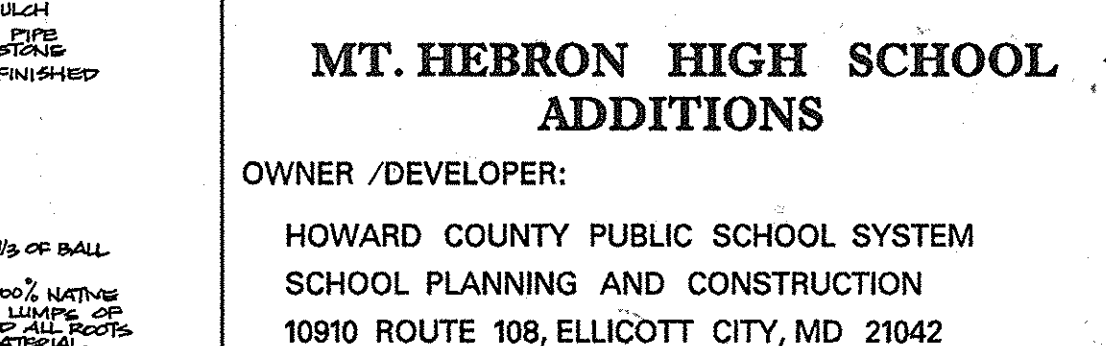
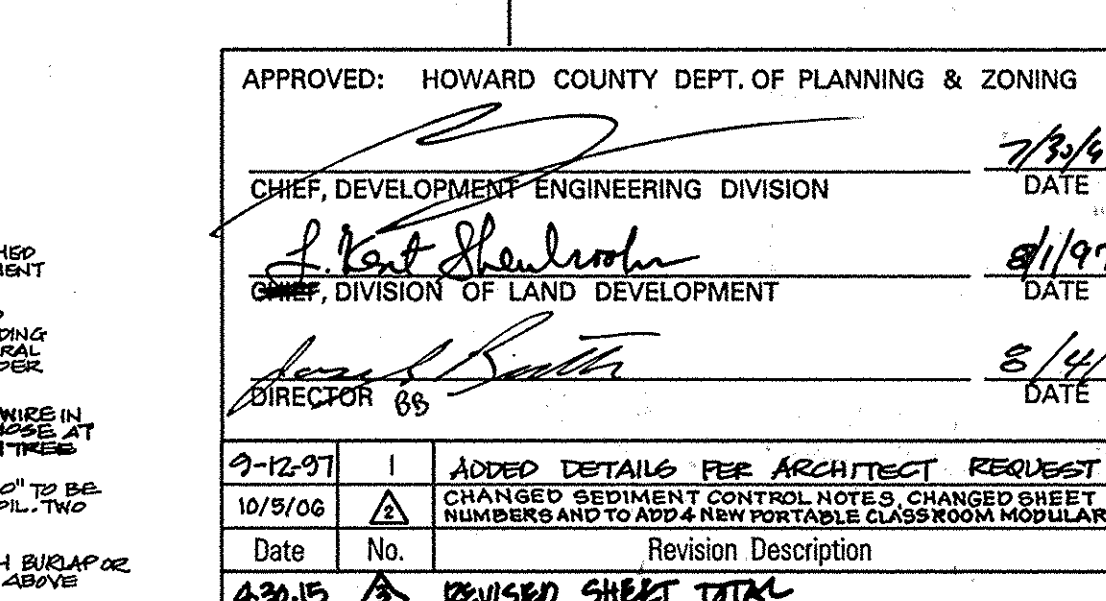
Signature: [Signature] DATE: 7/24/97

PERMANENT SEEDING NOTES

SUPER SILT FENCE



MONOLITHIC CURB AND SIDEWALK R.3.07



4" P.V.C. TYING INTO PROPOSED CURB

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

Signature: [Signature] DATE: 7/24/97

PERMANENT SEEDING NOTES

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

CHEF, DEVELOPMENT ENGINEERING DIVISION DATE: 7/16/97

CHEF, DIVISION OF LAND DEVELOPMENT DATE: 8/1/97

DIRECTOR DATE: 8/14/97

Date	No.	Revision Description
2-12-97	1	ADDED DETAILS PER ARCHITECT REQUEST
10/9/06	2	CHANGED SEDIMENT CONTROL NOTES, CHANGED SHEET NUMBERS AND TO ADD 4 NEW PORTABLE CLASSROOM MODULARS

430.15 REVISED SHEET TOTAL

MT. HEBRON HIGH SCHOOL ADDITIONS

OWNER / DEVELOPER: HOWARD COUNTY PUBLIC SCHOOL SYSTEM SCHOOL PLANNING AND CONSTRUCTION 10910 ROUTE 108, ELLICOTT CITY, MD 21042

DMW

Draft-McCune-Walkers, Inc. 200 East Pennsylvania Avenue Towson, Maryland 21286 (410) 296-3333 Fax 296-4706

A Team of Land Planners, Landscape Architects, Engineers, Surveyors and Environmental Professionals

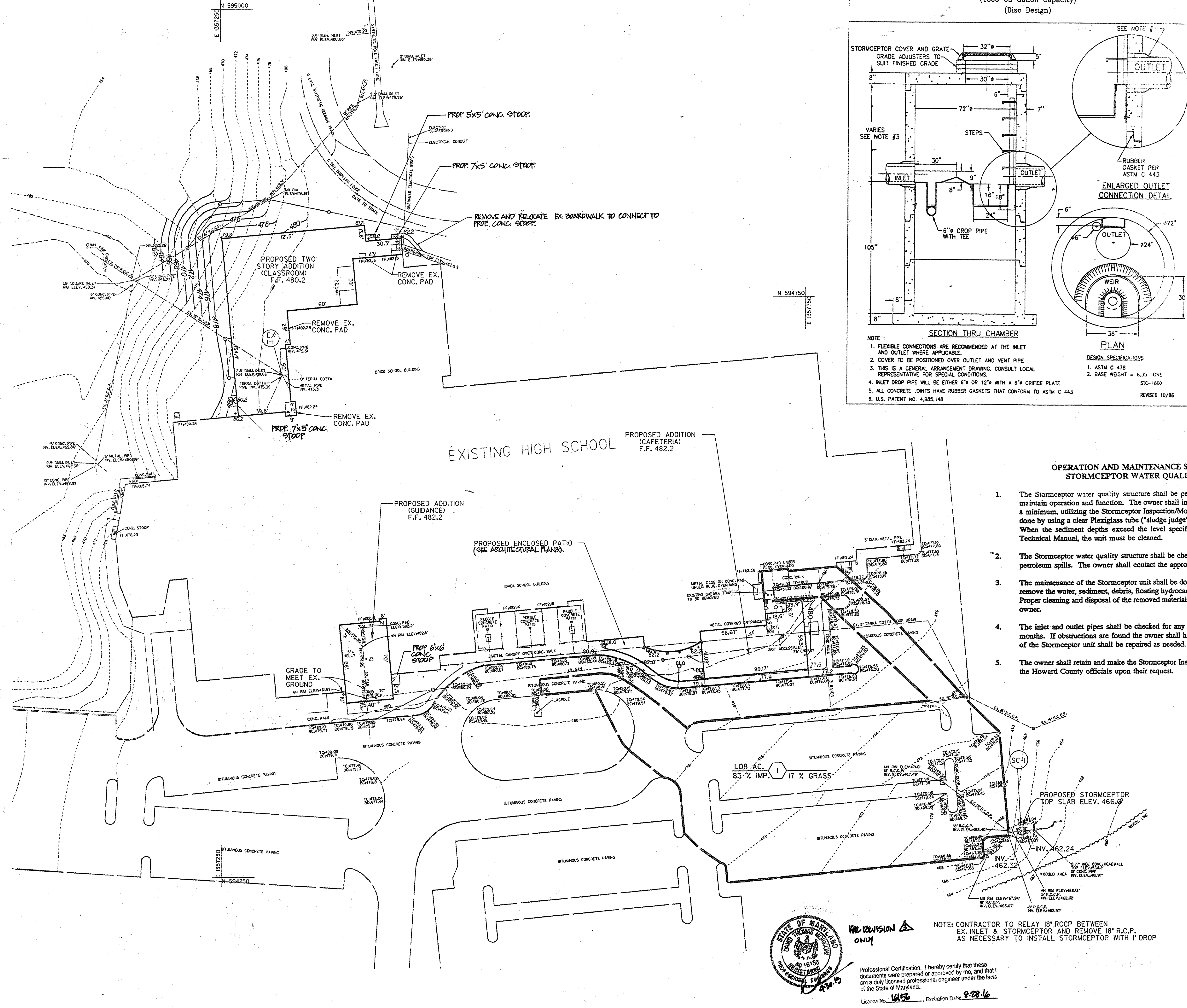
SUBMITTER NAME	PROJECT NAME	DISPERSED #
MT. HEBRON HIGH SCHOOL	LANDSCAPE ARCHITECTURE	471
DATE OF PLAN	BOOK # ISSUE	TAXONOMY MAP
SEE LIST 9/10/15/16/18	8-20	2
WORKER CODE	SEWER CODE	PERMITS TRACT
H03	1406900	6021

TITLE: EROSION & SEDIMENT CONTROL DETAILS

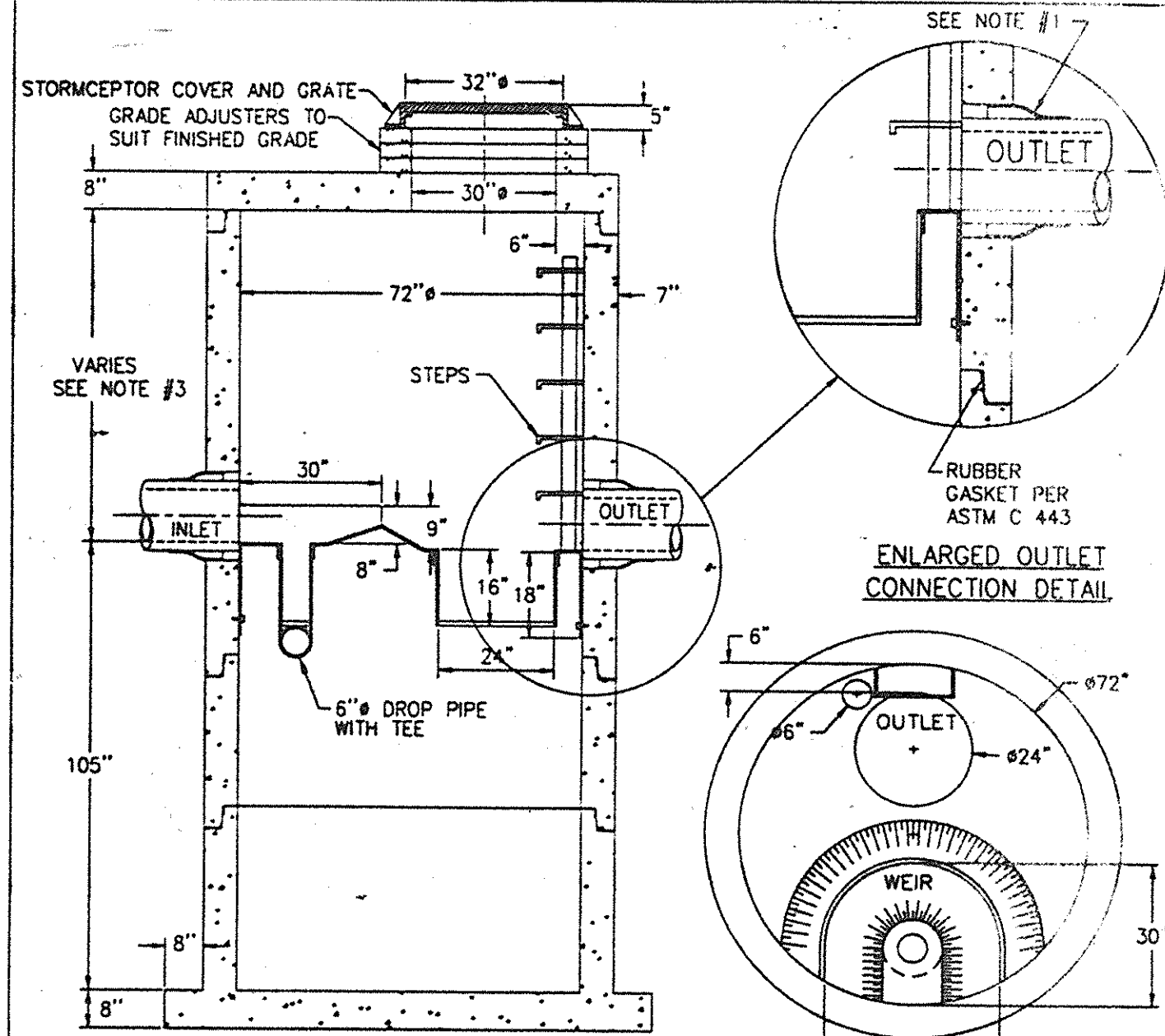
Des By	JWM	Scale	AS SHOWN	Proj. No.	96108.S
Dm By	JWM	Date	7-23-97		
Chk By	MK	Approved	MK		4 OF 11

Professional Engr. No. 16872

PERMANENT SEEDING NOTES



STC 1800 Precast Concrete Stormceptor®
(1800 US Gallon Capacity)
(Disc Design)



NOTE:
1. FLEXIBLE CONNECTIONS ARE RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. COVER TO BE POSITIONED OVER OUTLET AND VENT PIPE.
3. THIS IS A GENERAL ARRANGEMENT DRAWING. CONSULT LOCAL REPRESENTATIVE FOR SPECIAL CONDITIONS.
4. INLET DROP PIPE WILL BE EITHER 6" OR 12" WITH A 6" ORIFICE PLATE.
5. ALL CONCRETE JOINTS HAVE RUBBER GASKETS THAT CONFORM TO ASTM C 443.
6. U.S. PATENT NO. 4,985,146

DESIGN SPECIFICATIONS
1. ASTM C 478
2. BASE WEIGHT = 6.35 TONS
STC-1800
REVISED 10/95

OPERATION AND MAINTENANCE SCHEDULE FOR STORMCEPTOR WATER QUALITY DEVICE

- The Stormceptor water quality structure shall be periodically inspected and checked to maintain operation and function. The owner shall inspect the Stormceptor unit yearly at a minimum, utilizing the Stormceptor Inspection/Monitoring Form. Inspections shall be done by using a clear Plexiglass tube ("sludge judge") to extract a water column sample. When the sediment depths exceed the level specified in Table 6 of the Stormceptor Technical Manual, the unit must be cleaned.
- The Stormceptor water quality structure shall be checked and cleaned immediately after petroleum spills. The owner shall contact the appropriate regulatory agencies.
- The maintenance of the Stormceptor unit shall be done using a vacuum truck which will remove the water, sediment, debris, floating hydrocarbons and other materials in the unit. Proper cleaning and disposal of the removed materials and liquid must be followed by the owner.
- The inlet and outlet pipes shall be checked for any obstructions at least once every six months. If obstructions are found the owner shall have them removed. Structural parts of the Stormceptor unit shall be repaired as needed.
- The owner shall retain and make the Stormceptor Inspection/Monitoring Forms available to the Howard County officials upon their request.

Concrete Stormceptor® Order Request Form *

Contractor Information

Name _____
Address _____
City _____
State _____
Zip Code _____
Phone _____
Fax _____

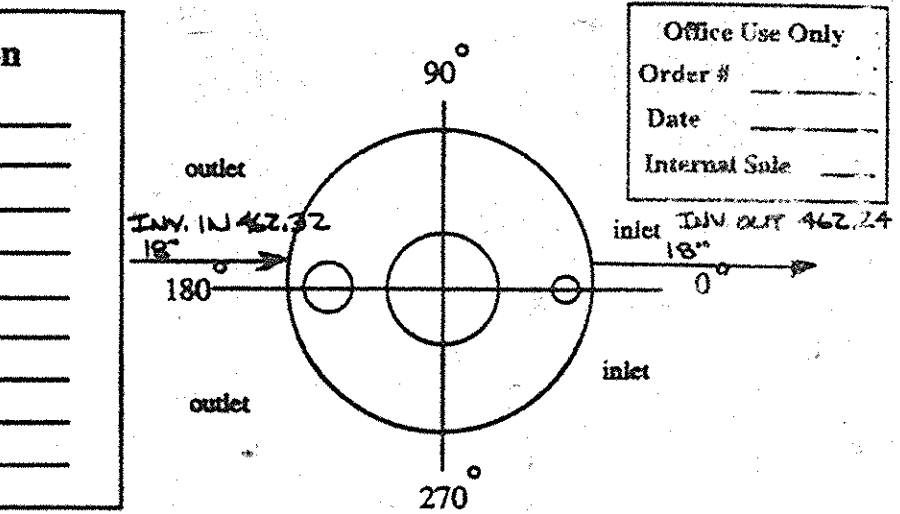
Owner Information

Name MT. HEBRON HIGH SCHOOL
Phone _____
Fax _____

Stormceptor Model

900 3600
1200 4800
1800 6000
2400 7200

IMPERV. D. AREA = 2.9 Ac.



Please draw orientation (angle) of inlet pipes (max 2) and outlet pipe (1) on diagram along with pipe inside diameter (in.) and invert elevation (ft). Clearly mark inlet pipes with an 'I' and outlet pipe with an 'O' and provide the inlet/outlet pipe angle in degrees.

Manhole Number

Finish Top Elevation (ft) 466.5
Top Slab Elevation (ft) 466.0
Inlet Pipe Invert (ft) 462.32
Outlet Pipe Invert (ft) 462.24
Pipe Type: Z.C.C.P.
Pipe Inside Diam. (in) (ID) 18"
Pipe Outside Diam. (in) (OD) 18"

Project Name _____
Approximate time frame until required delivery (weeks) _____
Delivery Address: Street _____ State _____ Zip Code _____
City _____
Designer Company _____
Designer Contact _____ Phone _____ Fax _____

Please fax this order to Stormceptor at (301) 762-4190
For Technical Assistance Please Call Stormceptor Corporation at (301) 762-8361 or toll free at 1 (800) 762-4703

ALL LIFTING APPARATUS TO BE PROVIDED BY THE INSTALLATION CONTRACTOR
* TO BE INCLUDED ON DESIGN PLAN BY DESIGNER

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION 7/3/97 DATE
Kent Shuler
CHIEF, DIVISION OF LAND DEVELOPMENT 8/1/97 DATE
Director
DIRECTOR 8/14/97 DATE

9/12/97	1	REVISED NOTES PER ARCHITECT'S REQUEST.
10/9/108	2	CHANGED SHEET NUMBERS AND TO ADD A NEW PORTABLE CLASSROOM MODULARS.
Date	No.	Revision Description

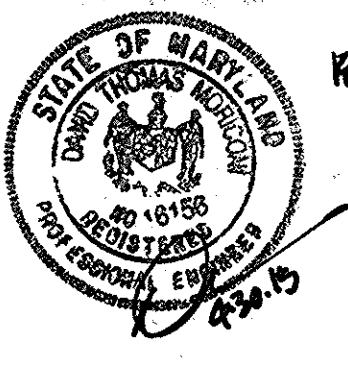
MT. HEBRON HIGH SCHOOL ADDITIONS
OWNER / DEVELOPER:
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
SCHOOL PLANNING AND CONSTRUCTION
10910 ROUTE 108, ELLICOTT CITY, MD 21042

DMW
Darr McCreary-Walker, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3353
Fax 296-4705

SUBDIVISION NAME	MT. HEBRON HIGH SCHOOL	SECTION/AREA	471
DATE OF PLAN	8.10.15.16 R-20	DATE OF PLAN	17
DATE OF LIST	8.10.15.16 R-20	DATE OF LIST	2
WATER CODE	H03	SEWER CODE	1408900

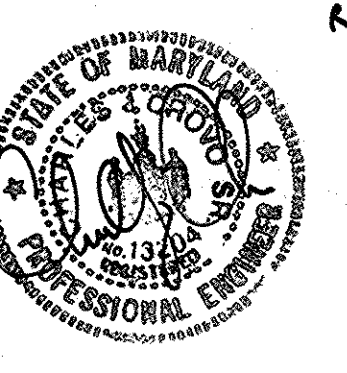
STORM WATER MANAGEMENT DRAINAGE AREA MAP

Des By JWM Scale 1" = 40' Proj. No. 96108.S
Dm By JWM Date 7-23-97
Chk By MK Approved MK 5 OF 11

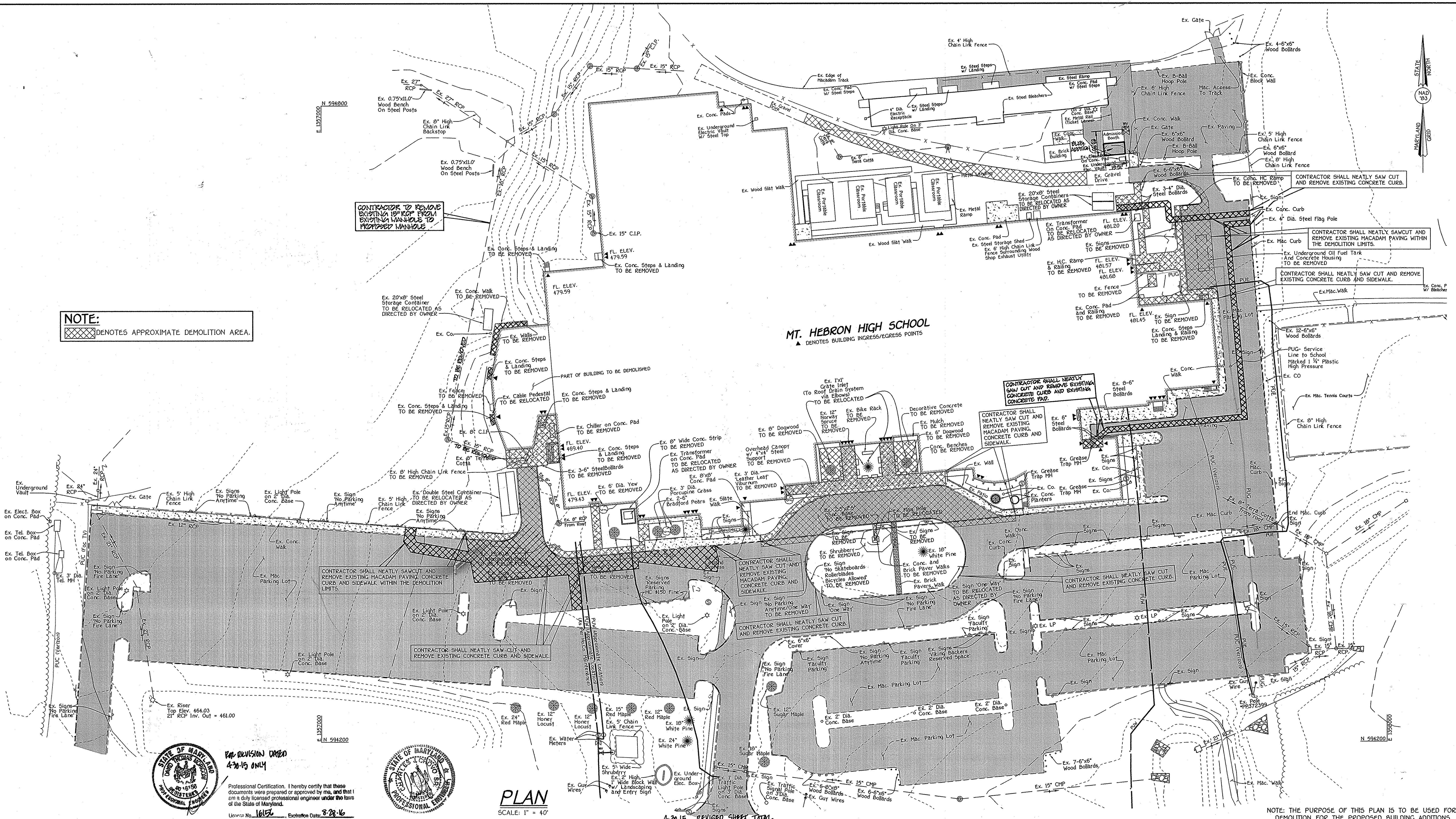


NOTE: CONTRACTOR TO RELAY 18" R.C.P. BETWEEN EX. INLET & STORMCEPTOR AND REMOVE 18" R.C.P. AS NECESSARY TO INSTALL STORMCEPTOR WITH 1" DROP

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 16152 Expiration Date: 8-28-16

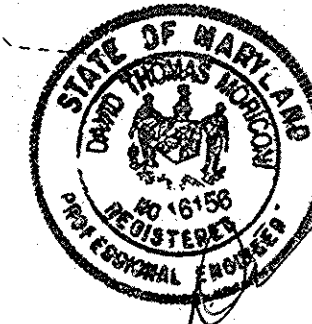


7.23.97
Date
Professional Engr. No. 16872

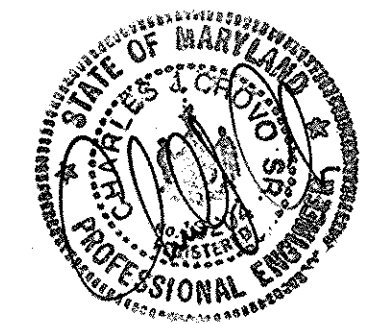


NOTE:
 DENOTES APPROXIMATE DEMOLITION AREA.

MT. HEBRON HIGH SCHOOL
 ▲ DENOTES BUILDING INGRESS/EGRESS POINTS



REVISION DATED 4-30-15 ONLY
 Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No. 16156, Expiration Date: 8-28-16



PLAN
 SCALE: 1" = 40'

4-30-15 REVISED SHEET TOTAL

8/21/11	ADDED ADMISSION BOOTH BUILDING ADDITION
10/20/08	REVISED LEFT SIDE BUILDING ADDITION
9/17/06	REVISED DEMOLITION AREA FOR NEW SEWER MAINS
10/6/06	ADDED THIS SHEET FOR PROPOSED BUILDING ADDITIONS AND TO ADD 4 NEW PORTABLE CLASSROOM MODULARS.
DATE	DESCRIPTION
REVISION BLOCK	
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
<i>Janet L. Cagle</i>	12/10/06
Director - Department of Planning and Zoning	Date
<i>Charles H. Hester</i>	12/14/16
Chief, Department of Land Development	Date
<i>Michael J. ...</i>	12/11/06
Chief, Development Engineering Division	Date

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



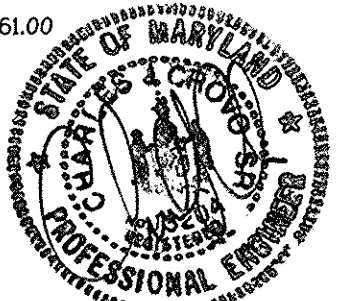
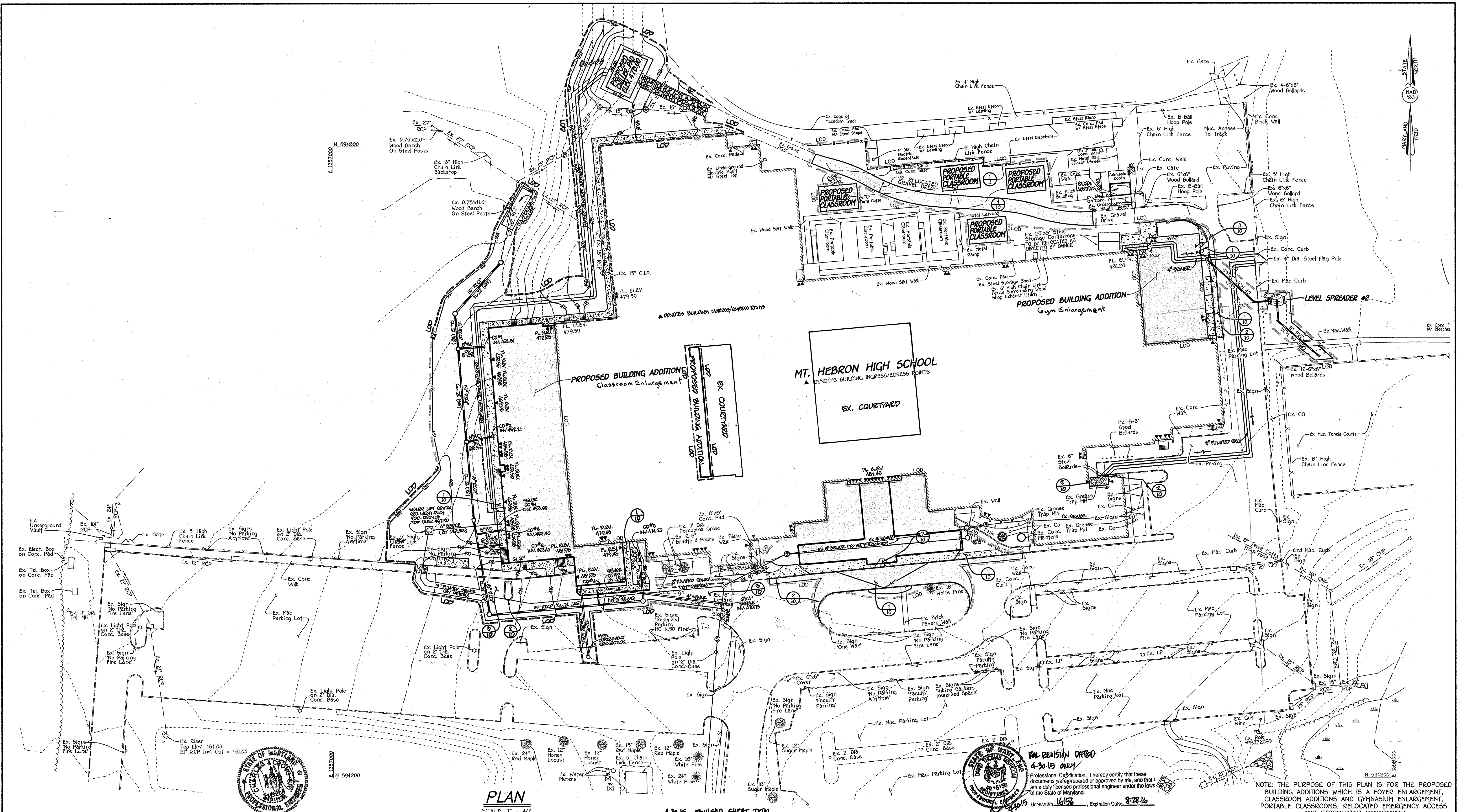
Address Chart	
Parcel Number	Street Address
P. 471	9440 MARYLAND ROUTE 99 ELLICOTT CITY, MD. 21042
PROJECT	SECTION/AREA
MOUNT HEBRON HIGH SCHOOL	471
DEED REF.	BLOCK NO.
545/131 406/222	17
WATER CODE	SEWER CODE
H03	1406900
TAX MAP	ELEC. DIST.
17	17
CENSUS TR.	SECOND
6021.00	

DEMOLITION PLAN
 "REVISED SITE DEVELOPMENT PLAN"
MOUNT HEBRON HIGH SCHOOL
 BUILDING ADDITIONS

TAX MAP No.: 17 GRID No.: 9 PARCEL No.: 471
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 40' DATE: NOVEMBER 22, 2006

SHEET 6 OF 9
 SDP-97-146

K:\Drawings 4\40281 Mt Hebron High School - Ho Co\Supplemental\40281 MT HEBRON Supplemental.dwg, DEMOLITION PLAN, 11/22/2006 10:21:18 AM, 1:1



PLAN
SCALE: 1" = 40'

4-30-15 REVISED SHEET TOTAL

REVISION DATED
4-30-15 ONLY
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 16156, Expiration Date: 8-28-16

NOTE: THE PURPOSE OF THIS PLAN IS FOR THE PROPOSED BUILDING ADDITIONS WHICH IS A FOYER ENLARGEMENT, CLASSROOM ADDITIONS AND GYMNASIUM ENLARGEMENT, PORTABLE CLASSROOMS, RELOCATED EMERGENCY ACCESS AND STORMWATER MANAGEMENT.

ENGINEER'S CERTIFICATE
I hereby certify that this Plan for Erosion and Sediment Control Represents A Practical And Workable Plan Based On My Personal Knowledge Of The Site Condition And That It Was Prepared In Accordance With The Requirements Of The Howard Soil Conservation District.
Chad
Signature of Engineer
11/24/16
Date

Reviewed For Howard County Soil Conservation District And Meets Technical Requirements.
Jim Meyer
Date 12/7/16
Jim Meyer
District Howard Soil Conservation Service

DEVELOPER'S CERTIFICATE
"I/We Certify That All Development And Construction Will Be Done According To This Plan Of Development And Plan For Erosion And Sediment Control And That All 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 Or Their Authorized Agents, As Are Deemed Necessary."
William Brown
Signature
Dr. William Brown, Director School Planning and Construction
11-27-16
Date

Approved: This Development Is Approved For Erosion And Sediment Control By The Howard Soil Conservation District.
John K. Hunter
Signature
John K. Hunter
District Howard Soil Conservation Dist.
12/7/16
Date

8/31/11 ADDED ADMISSION BOOTH BUILDING ADDITION
10/29/08 REVISED LEFT SIDE BUILDING ADDITION AND GANTRY
9/17/06 REVISED GYM MAIN LOCATION
10/6/06 ADDED THIS SHEET FOR PROPOSED BUILDING ADDITIONS AND TO ADD 4 NEW PORTABLE CLASSROOM MODULARS.
DATE DESCRIPTION
REVISION BLOCK

APPROVED DEPARTMENT OF PLANNING AND ZONING
Patrick P. Leyle
Signature
Patrick P. Leyle
Director - Department of Planning and Zoning
12/15/16
Date

Cecilia Hanover
Signature
Cecilia Hanover
Chief, Division of Land Development
12/17/16
Date

Michael J. Smolen
Signature
Michael J. Smolen
Chief, Development Engineering Division
12/11/16
Date

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

ARCHITECT
SEM
Smolen - Emr
11820 PARKLAWN DRIVE
ROCKVILLE, MD 20852
301-770-0177

Address Chart	
Parcel Number	Street Address
P. 471	9440 MARYLAND ROUTE 99 ELLICOTT CITY, MD. 21042

PROJECT	SECTION/AREA	PARCELS
MOUNT HEBRON HIGH SCHOOL		471

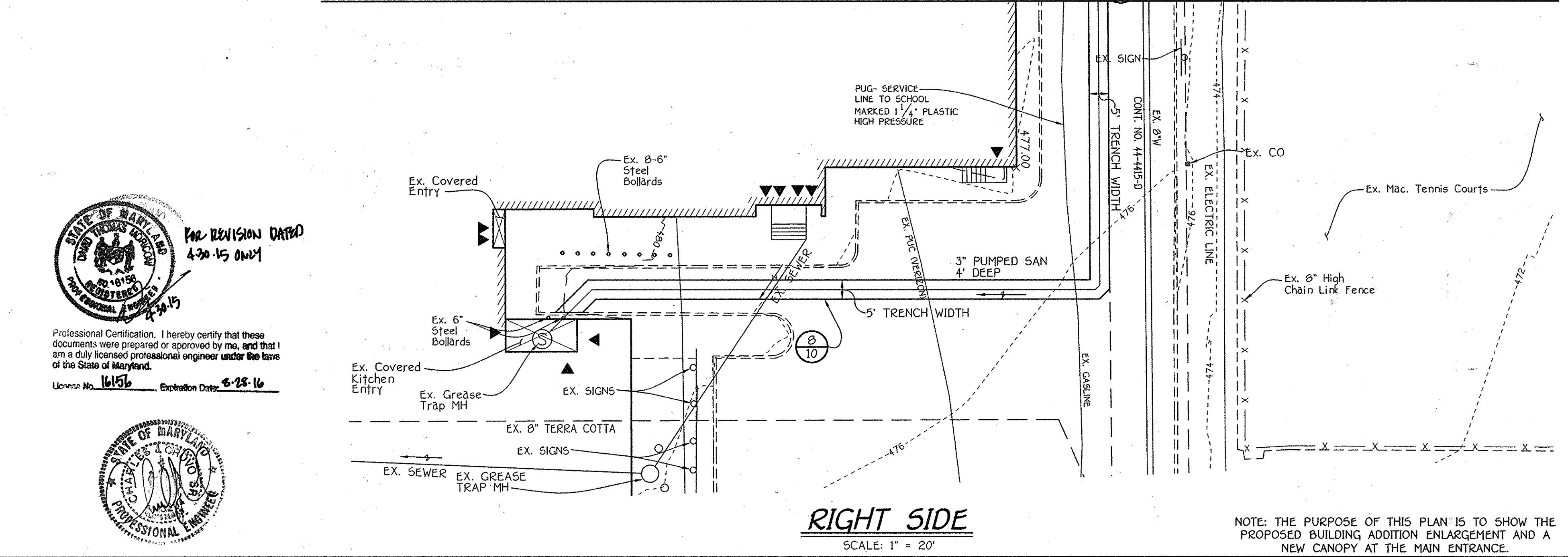
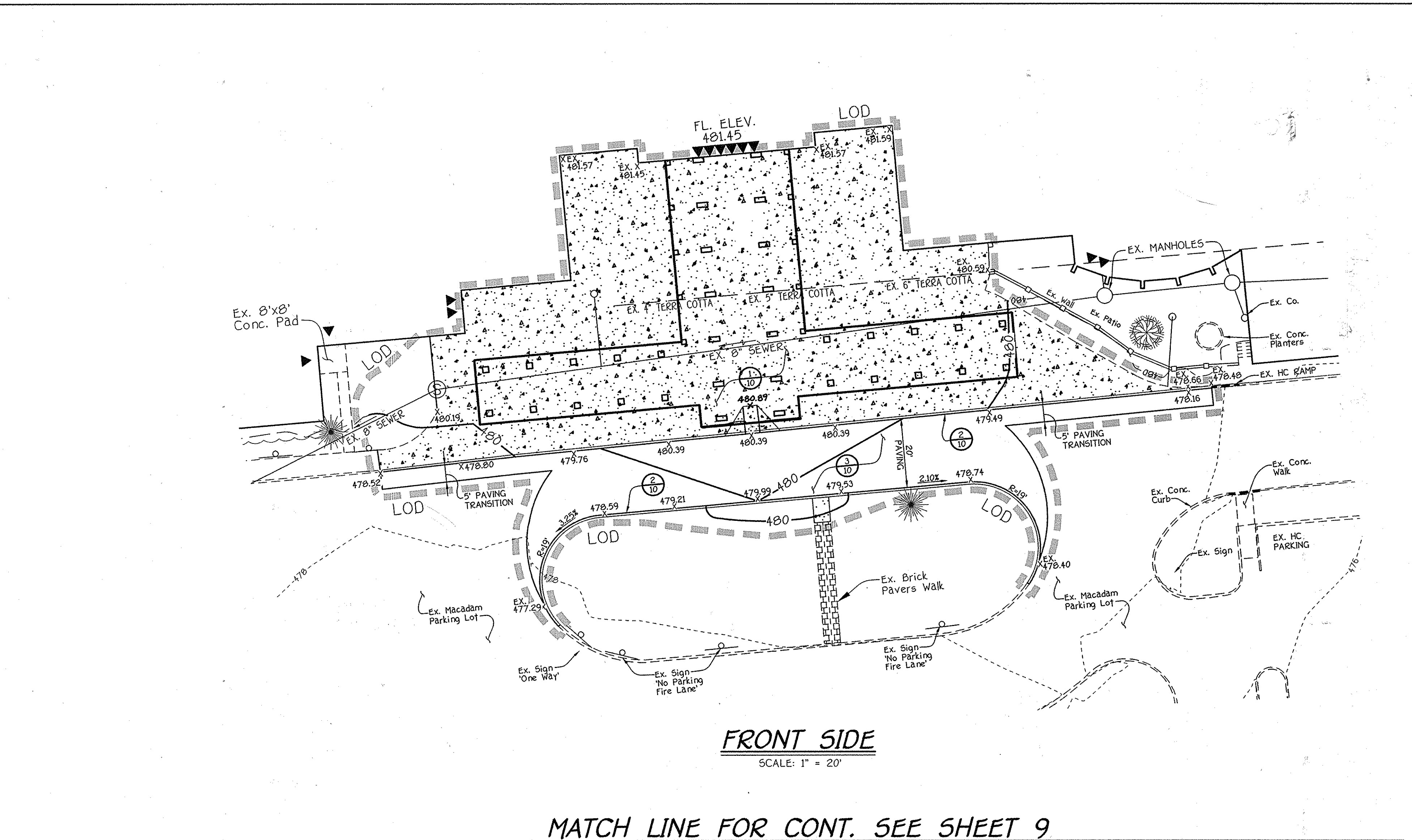
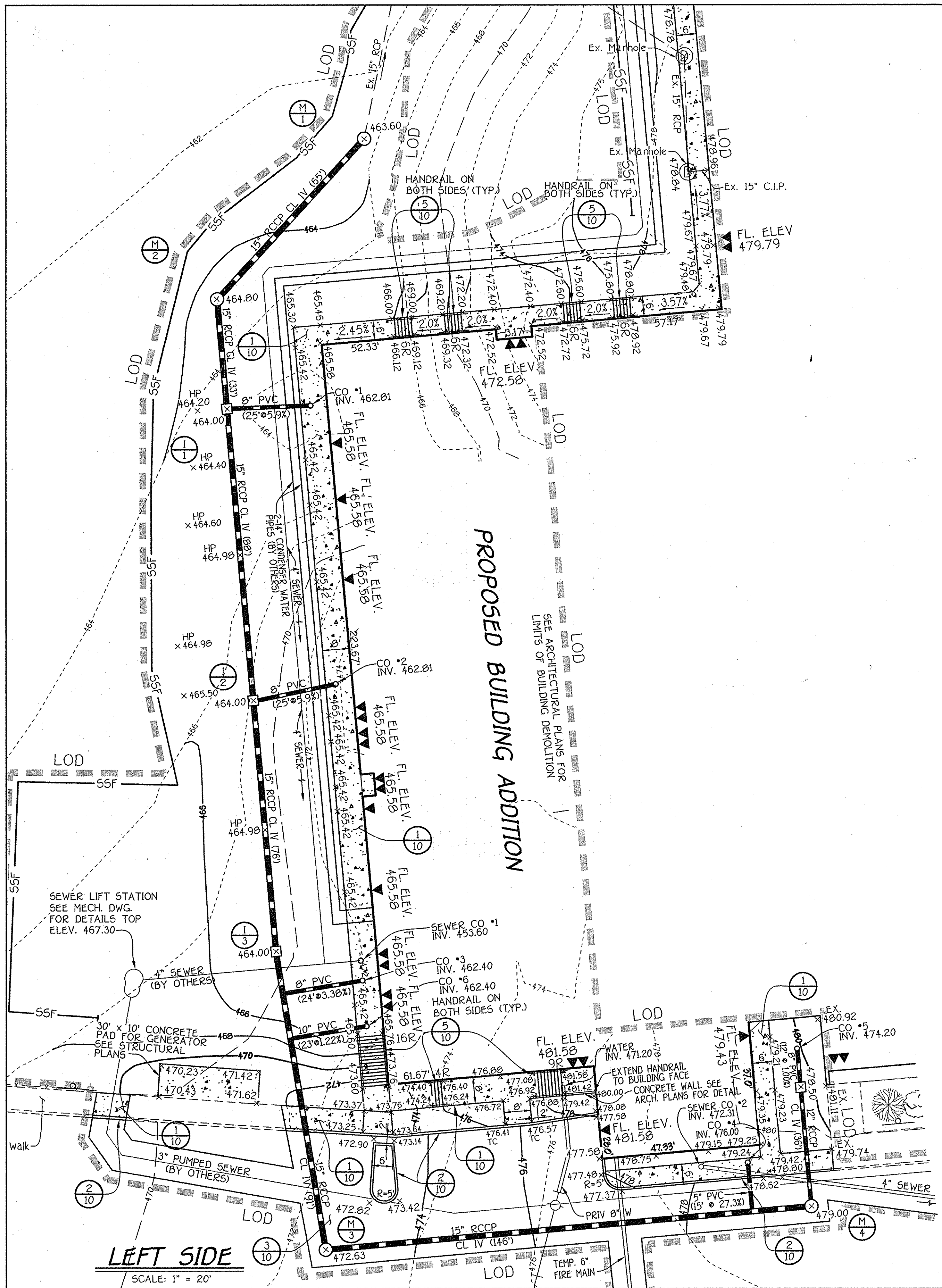
DEED REF.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
545/131 406/222	17	R-20	17	SECOND	6021.00

WATER CODE	SEWER CODE
H03	1406900

SITE DEVELOPMENT PLAN AND SEDIMENT CONTROL PLAN
"REVISED SITE DEVELOPMENT PLAN"
MOUNT HEBRON HIGH SCHOOL
BUILDING ADDITIONS

TAX MAP No: 17 GRID No: 9 PARCEL No: 471
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 40' DATE: NOVEMBER 22, 2006

SHEET 7 OF 11
SDP-97-146



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21114
 (410) 481-2855

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site condition and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 Signature of Engineer: *[Signature]* Date: 10/31/08
 Reviewed For Howard County Soil Conservation District and Meets Technical Requirements.
 U.S.D.A. - Natural Resources Conservation Service Date:

DEVELOPER'S CERTIFICATE
 We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all 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 or their authorized agents, as are deemed necessary.
 Signature: *[Signature]* Date: 10/31/08
 Approved: This development is approved for erosion and sediment control by the Howard County Soil Conservation District.
 Signature: *[Signature]* Date: 4/13/08
 District: Howard Soil Conservation District

DATE	DESCRIPTION
4-30-15	REVISED SHEET TOTAL
10/3/08	REPLACED THIS SHEET FOR THE NEW BUILDING ADDITION AND NEW CANOPY
10/6/06	ADDED THIS SHEET FOR PROPOSED BUILDING ADDITIONS AND TO ADD 4 NEW PORTABLE CLASSROOM MODULARS.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Signature: *[Signature]* Date: 11/18/08
 Chief, Development Engineering Division
 Signature: *[Signature]* Date: 11/14/08
 Chief, Development Engineering Division

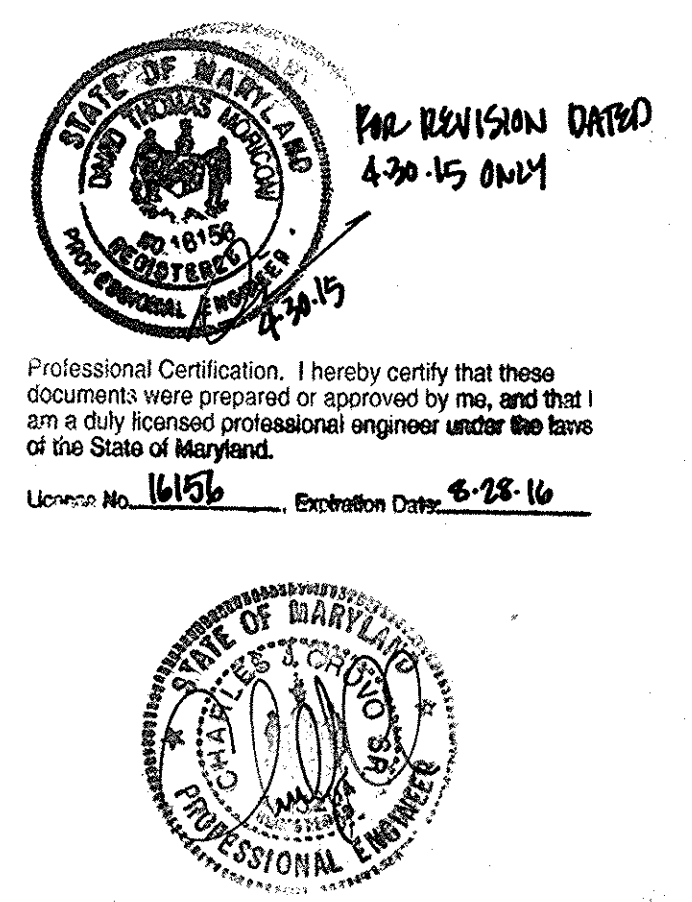
PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 10910 Maryland Route 108
 Ellicott City, Maryland 21042
 Attention: Cathleen Young
 410-313-6805

ARCHITECT
SEAN SMOLLEN - EMR
 11820 PARKLAWN DRIVE
 ROCKVILLE, MD 20852
 301-770-0177

Address Chart					
Parcel Number	Street Address				
P. 471	9440 MARYLAND ROUTE 99 ELLICOTT CITY, MD. 21042				
PROJECT	SECTION/AREA				
MOUNT HEBRON HIGH SCHOOL	471				
DEED REF.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
545/131 406/222	17	R-20	17	SECOND	6021.00
WATER CODE	H03	SEWER CODE	1406900		

ENLARGEMENTS OF BUILDING ADDITIONS
"REVISED SITE DEVELOPMENT PLAN"
MOUNT HEBRON HIGH SCHOOL
 BUILDING ADDITION AND NEW CANOPY

TAX MAP No.: 17 GRID No.: 9 PARCEL No.: 471
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 40' DATE: NOVEMBER 22, 2006
 SHEET 8 OF 8 SDP-97-146



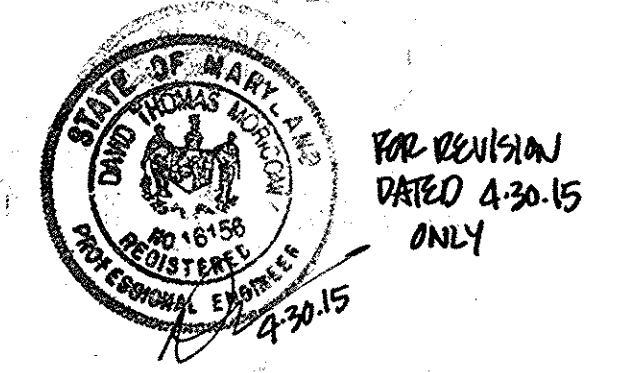
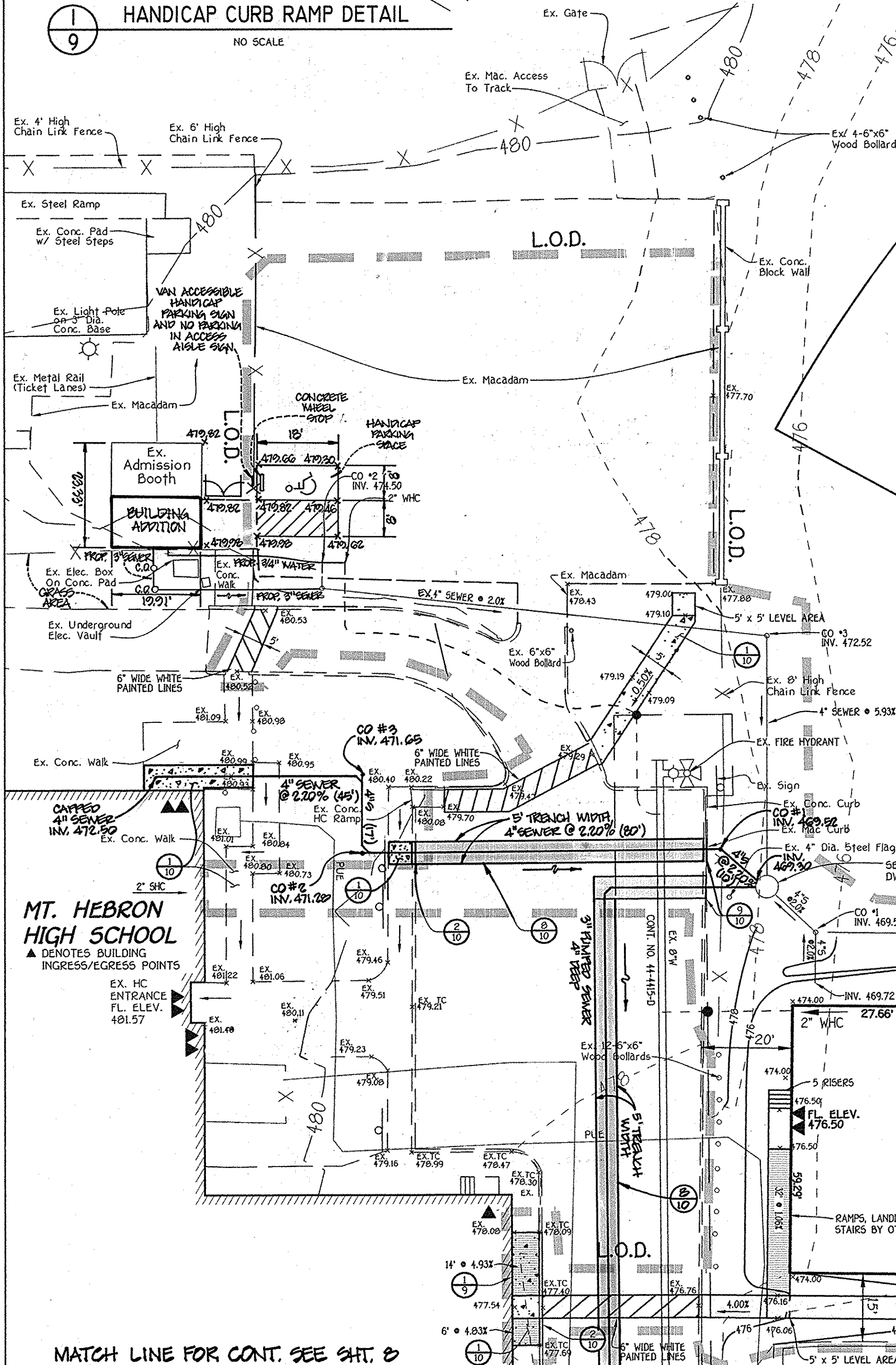
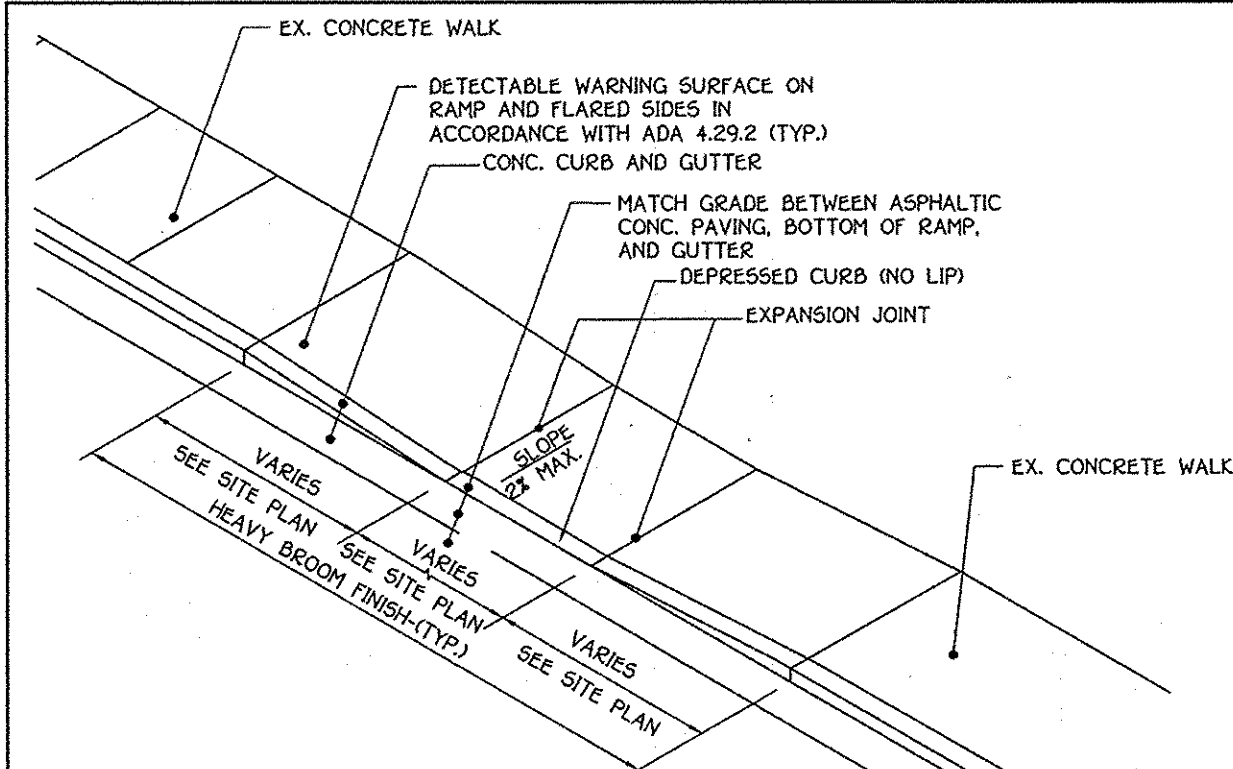
K:\Drawings\1402651.MT.HEBRON.RELINE.SUPPLEMENTALS.PWG.ENLARGEMENTS(1).11

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. NOTIFY "THIS UTILITY" AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK AT 1-800-257-7777. NOTIFY THE HOWARD COUNTY OFFICE OF CONSTRUCTION/INSPECTION DIVISION AT 410-313-1870 AT LEAST 24 HOURS BEFORE STARTING ANY WORK.
3. CLEAR FOR AND INSTALL/CONSTRUCT ALL PERIMETER TEMPORARY SEDIMENT CONTROLS.
4. UPON PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR BEGIN ROUGH GRADING THE SITE AND IMMEDIATELY STABILIZE ALL SLOPES UPON COMPLETION OF GRADING WITH TEMPORARY SEEDING.
5. INSTALL SEWER AND WATER SYSTEMS.
6. BEGIN INSTALLATION OF PORTABLE CLASSROOMS.
7. FINE GRADE SITE.
8. INSTALL SIDEWALKS.
9. FOLLOWING SUCCESSFUL STABILIZATION (i.e. FULLY-ESTABLISHED VEGETATION OR PAVING) OF ALL DISTURBED AREAS, OBTAIN PERMISSION FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR TO REMOVE ALL REMAINING SEDIMENT & EROSION CONTROL DEVICES AND THEN STABILIZE THOSE AREAS DISTURBED BY THIS PROCESS WITH PERMANENT SEEDING.
10. NOTIFY HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS FOR A FINAL INSPECTION OF THE COMPLETED SITE.

HANDICAP CURB RAMP DETAIL

NO SCALE



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No. 16156, Expiration Date: 8-28-16



NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED PORTABLE CLASSROOMS, RELOCATED BASEBALL FIELD AND SEDIMENT CONTROL MEASURES.

ENGINEER'S CERTIFICATE

I hereby certify that this Plan for Erosion and Sediment Control Represents a Practical and Workable Plan Based on My Personal Knowledge of the Site Condition and That it was Prepared in Accordance with the Requirements of the Howard Soil Conservation District.

Chell
 Signature of Engineer
 6/3/08
 Date

DEVELOPER'S CERTIFICATE

"I/We Certify That All Development and Construction Will Be Done According To This Plan of Development And Plan For Erosion And Sediment Control And That All 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 Or Their Authorized Agents, As Are Deemed Necessary."

Bruce Gist
 Signature of Developer
 Bruce Gist, Director School Planning and Construction
 6/3/08
 Date

Approved: This Development Is Approved For Erosion And Sediment Control By
John K. Blanton
 Signature of District Engineer
 John K. Blanton 6/12/08
 Date
 District Howard Soil Conservation Dist.

DATE	DESCRIPTION	REVISION BLOCK
8/31/11	ADDED ADMISSION BOOTH BUILDING ADDITION	
9/17/08	REVISED SEWER MAIN LOCATIONS	
5/13/08	REPLACEMENT SHEET FOR 2 NEW PORTABLE CLASSROOMS, CLASSROOMS 1 AND 2 AND RELOCATED BASEBALL FIELD.	
10/6/06	ADDED THIS SHEET FOR PROPOSED BUILDING ADDITIONS AND TO ADD 4 NEW PORTABLE CLASSROOM MODULARS.	
DATE	DESCRIPTION	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
<i>David K. Coyle</i>	6/10/08	
Director - Department of Planning and Zoning	Date	
<i>John K. Blanton</i>	6-18-08	
Chief, Department of Planning and Zoning	Date	
<i>William J. ...</i>	6/12/08	
Chief, Development Engineering Division	Date	

PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 10910 Maryland Route 109
 Ellicott City, Maryland 21042
 Attention Cathleen Young
 410-313-6805

ARCHITECT
SEAA
 S m o l e n - E m r
 1356 PICARD DRIVE, SUITE 200
 ROCKVILLE, MD 20850
 301-770-0177

Address Chart					
Parcel Number	Street Address				
P. 471	9440 MARYLAND ROUTE 99 ELLCOTT CITY, MD. 21042				
PROJECT	SECTION/AREA				
MOUNT HEBRON HIGH SCHOOL	471				
DEED REF.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
545/131 406/222	17	R-20	17	SECOND	6021.00
WATER CODE	SEWER CODE				
H03	1406900				

ENLARGEMENTS OF PORTABLE CLASSROOMS AND RELOCATED BASEBALL FIELD

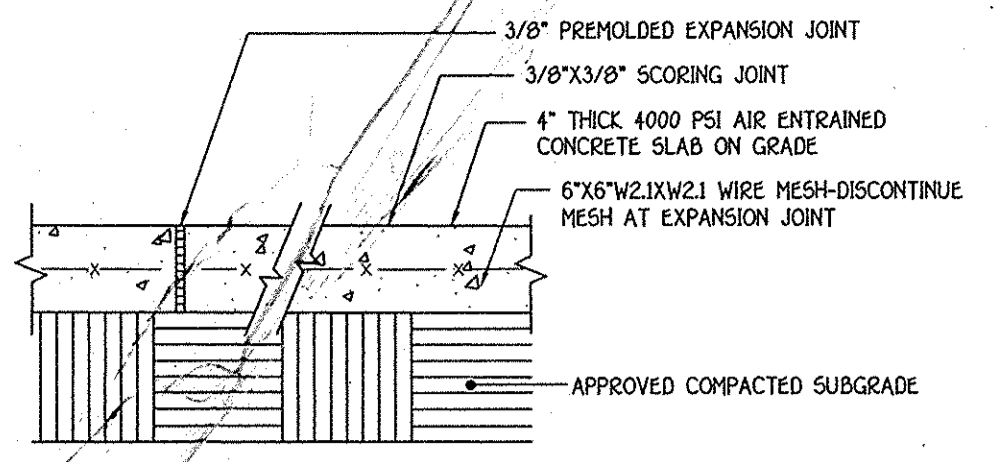
"REVISED SITE DEVELOPMENT PLAN"

MOUNT HEBRON HIGH SCHOOL

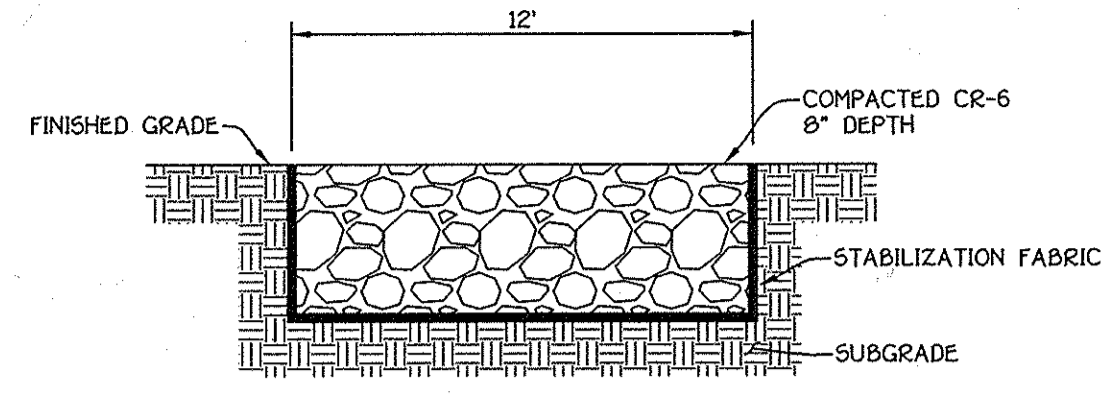
BUILDING ADDITIONS

TAX MAP No: 17 GRID No: 9 PARCEL No: 471
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 20' DATE: MAY 6, 2008

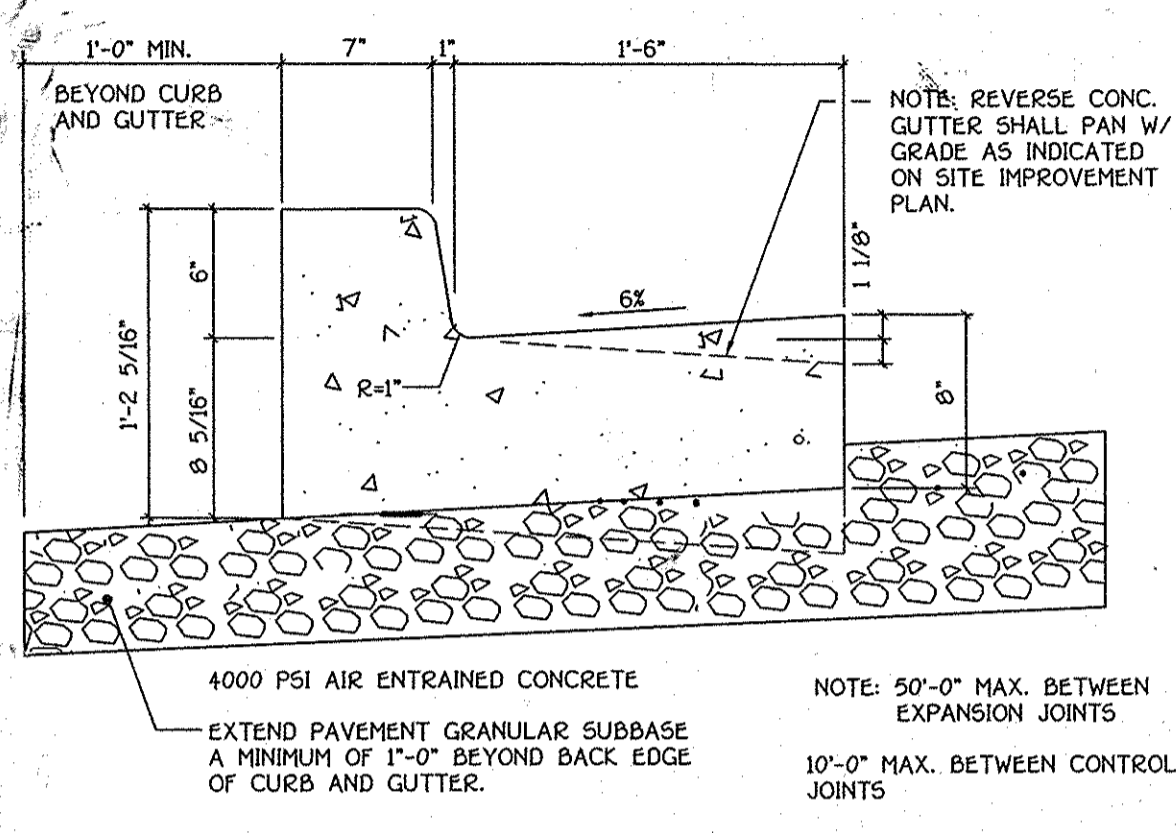
SHEET 9 OF 21
 5DP-97-146



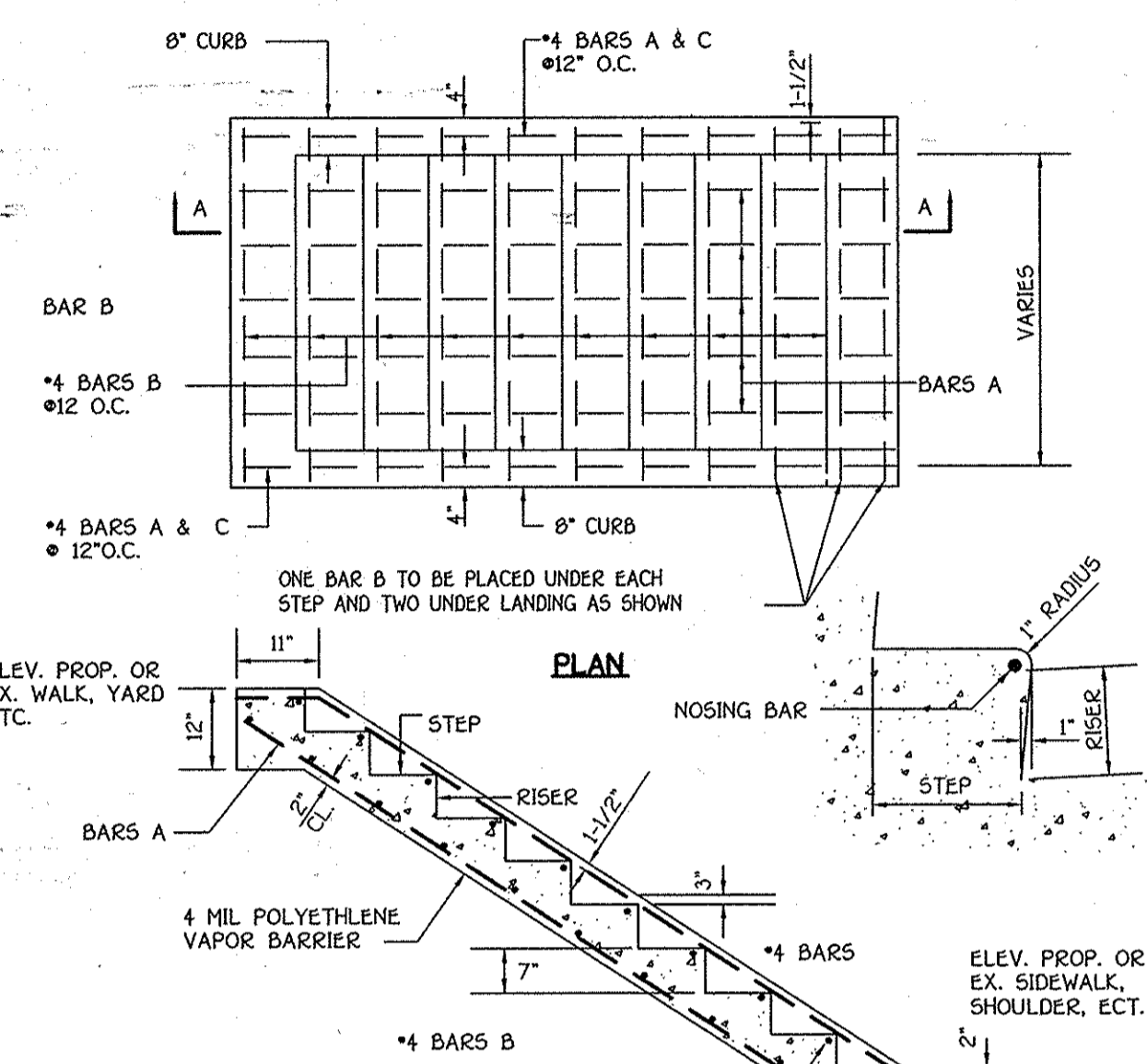
NOTE: INSTALL EXPANSION JOINTS AT MAX. 15'-0" O.C. AND INSTALL SCORING JOINTS AT MAX. 9'-0" O.C.
SLOPE ACROSS SIDEWALK SHALL BE MIN. 1/8"/FT.
10 CONCRETE WALK DETAIL
HOWARD COUNTY DETAIL NOTED IS FOR REFERENCE ONLY
SCALE: 1 1/2"=1'-0"



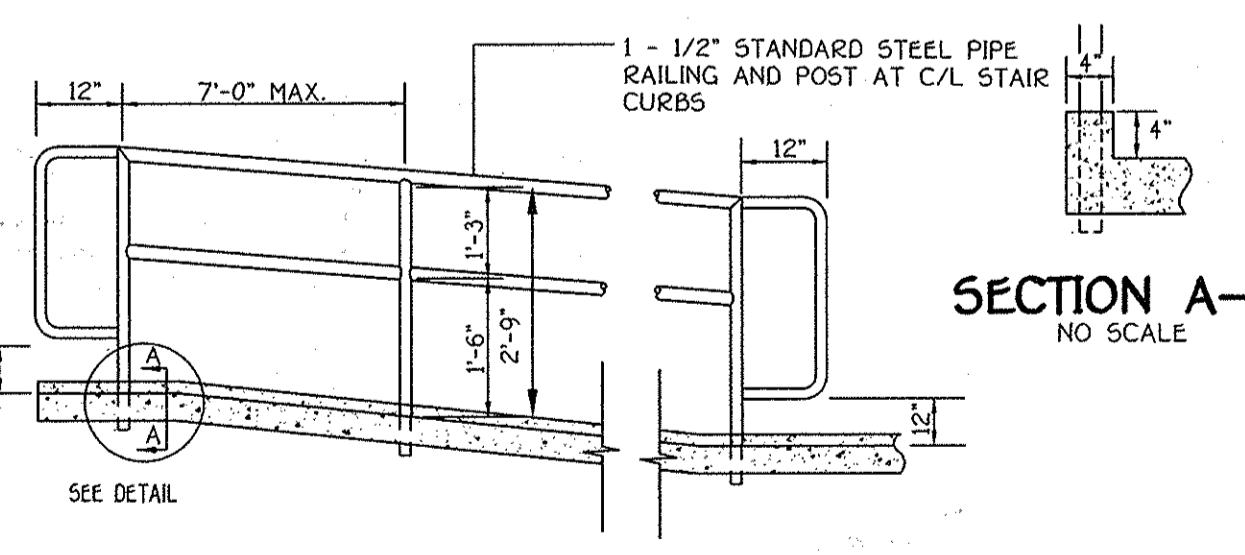
4 GRAVEL DRIVE DETAIL
NO SCALE



2 CONCRETE CURB AND GUTTER DETAIL
NOT TO SCALE



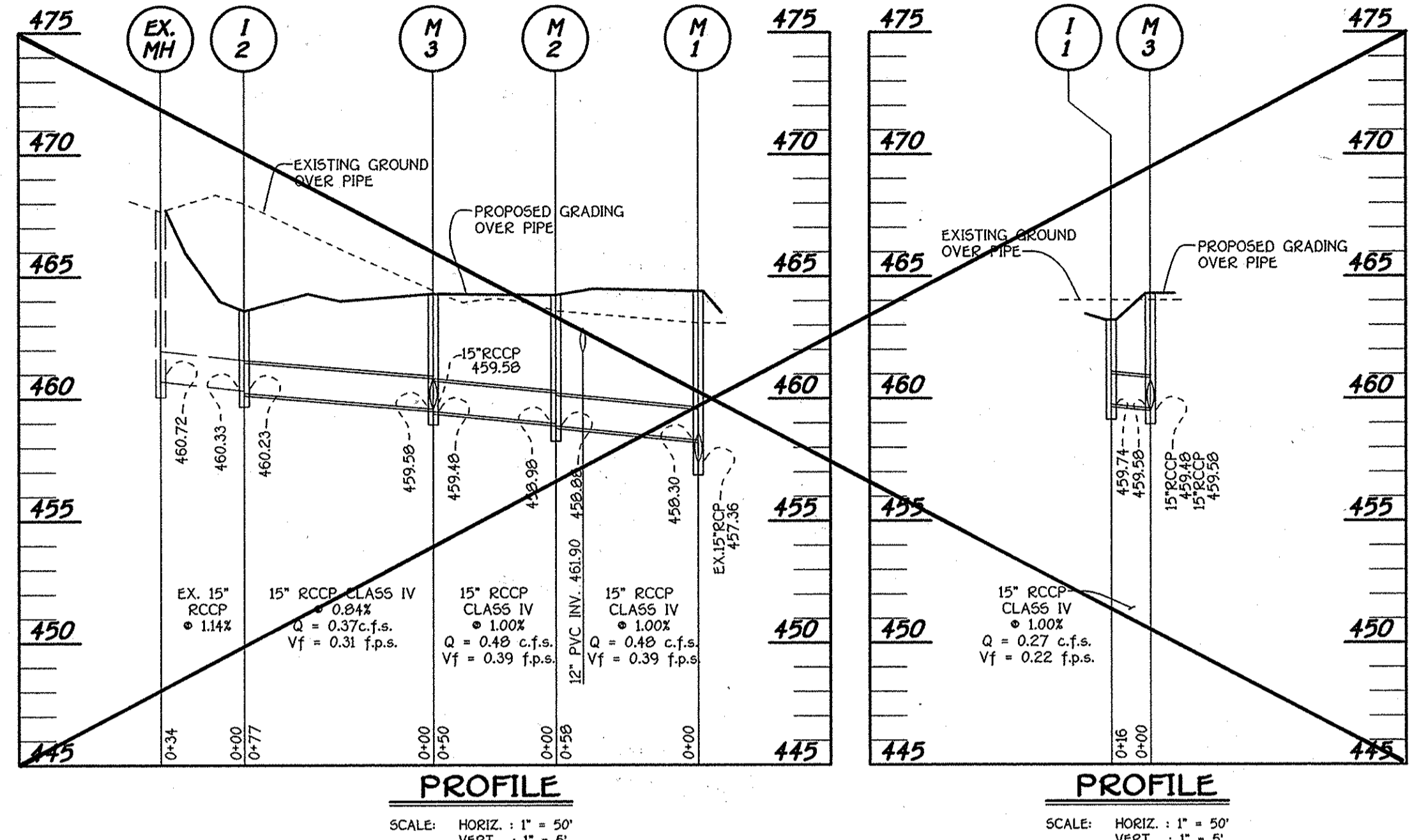
5 CONCRETE STEPS AND HANDRAIL DETAIL
NO SCALE



6 HANDRAIL DETAIL
NO SCALE

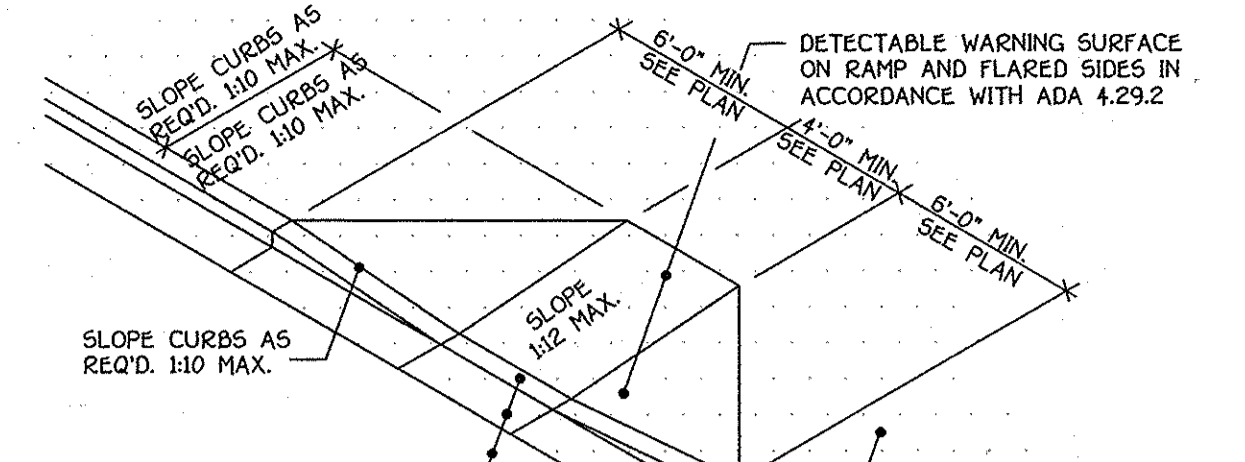
STRUCTURE SCHEDULE						
STRUCTURE NO.	TOP ELEVATION	INV. IN	INV. OUT	COORDINATES	WIDTH	TYPE
M-1	463.20	-	459.74 (05)	994593.57 1357109.79	2.50'	S
I-2	463.60	460.33 (05)	460.23 (05)	994520.29 1357124.80	2.50'	S
M-1	464.44	459.58 (05)	459.58 (05)	994609.96 1357125.42	4'	4" STD. MANHOLE
M-2	464.24	458.98 (05)	458.88 (05)	994645.05 1357121.25	4'	4" STD. MANHOLE
M-3	464.30	458.30 (05)	457.36 (05)	994594.90 1357125.70	4'	4" STD. MANHOLE
EW-1	-	-	461.70 (05)	994687.81 1357140.10	-	TYPE C ENDWALL
EW-2	-	-	476.00 (05)	994652.64 1357084.46	-	TYPE C ENDWALL

PIPE SCHEDULE		
SIZE	CLASS	LENGTH
15"	RCCP CLASS IV	201 L.F.
12"	PVC SCH. 40	204 L.F.
8"	PVC SCH. 40	181 L.F.

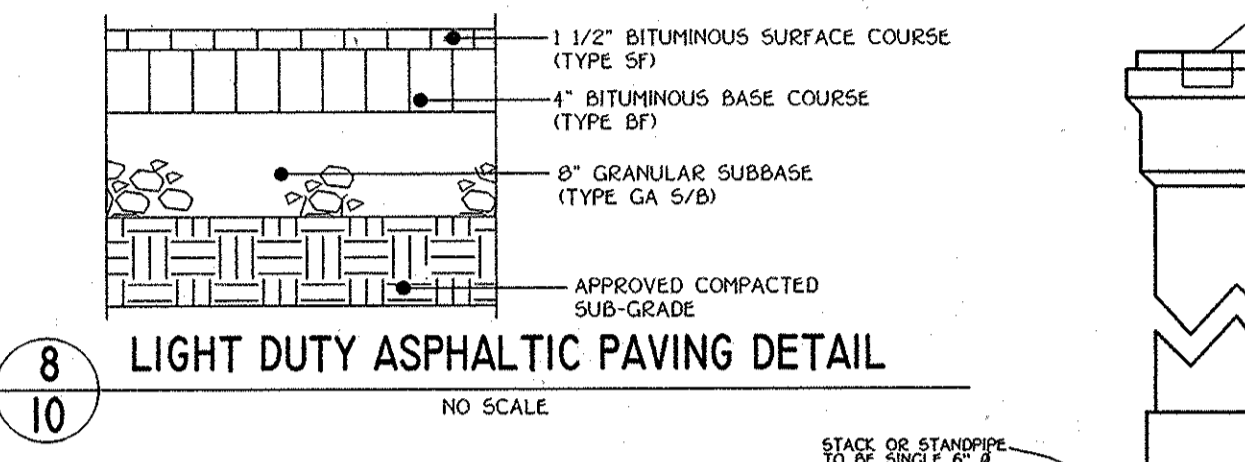


BUILDING ADDITIONS SEQUENCE OF CONSTRUCTION

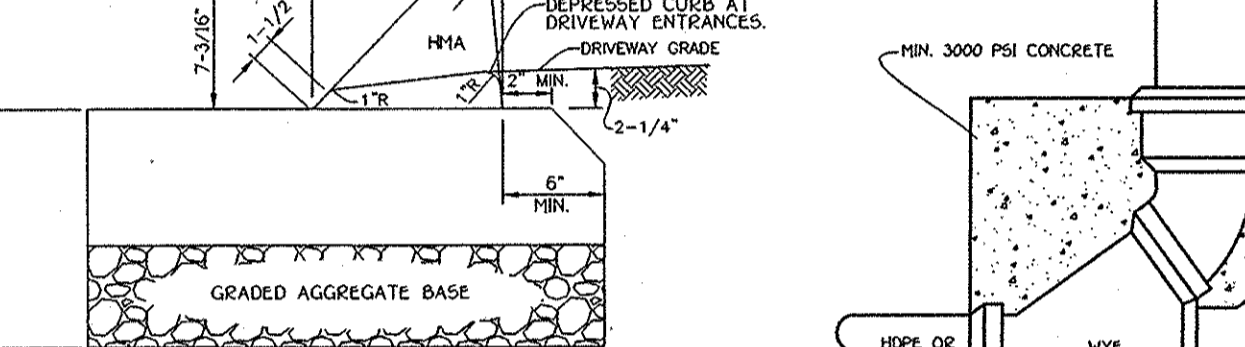
- OBTAIN GRADING PERMIT. (1 DAY)
- NOTIFY "THIS UTILITY" AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK AT 1-800-257-7777. NOTIFY THE HOWARD COUNTY OFFICE OF CONSTRUCTION/INSPECTION DIVISION AT 410-313-1870 AT LEAST 24 HOURS BEFORE STARTING ANY WORK.
- CLEAR FOR AND INSTALL/CONSTRUCT ALL PERIMETER TEMPORARY SEDIMENT CONTROLS. (3 WEEKS)
- UPON PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR BEGIN ROUGH GRADING THE SITE AND IMMEDIATELY STABILIZE ALL SLOPES UPON COMPLETION OF GRADING WITH TEMPORARY SEEDING. (6 WEEKS)
- INSTALL STORM DRAIN SYSTEM AND RELOCATE EXISTING STORM DRAIN SYSTEM. (6 WEEKS)
- BEGIN CONSTRUCTION OF PROPOSED BUILDING ADDITIONS. (12 MONTHS)
- INSTALL CURB AND PAVING. (3 WEEKS)
- FINE GRADE SITE. (2 WEEKS)
- INSTALL SIDEWALKS. (2 WEEKS)
- FOLLOWING SUCCESSFUL STABILIZATION (i.e. FULLY-ESTABLISHED VEGETATION OR PAVING) OF ALL DISTURBED AREAS, OBTAIN PERMISSION FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR TO REMOVE ALL REMAINING SEDIMENT & EROSION CONTROL DEVICES AND THEN STABILIZE THOSE AREAS DISTURBED BY THIS PROCESS WITH PERMANENT SEEDING. (2 WEEKS)
- NOTIFY HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS FOR A FINAL INSPECTION OF THE COMPLETED SITE.



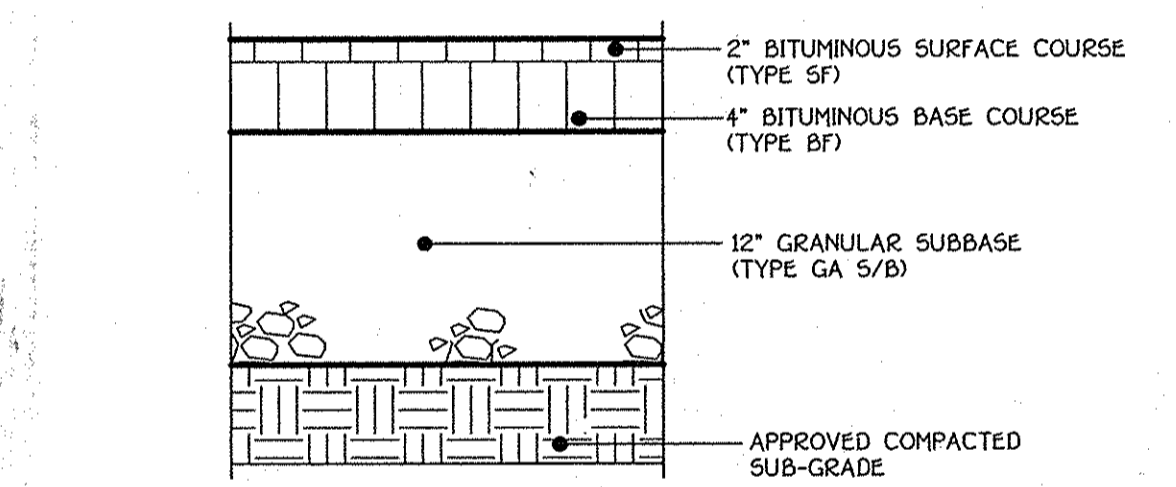
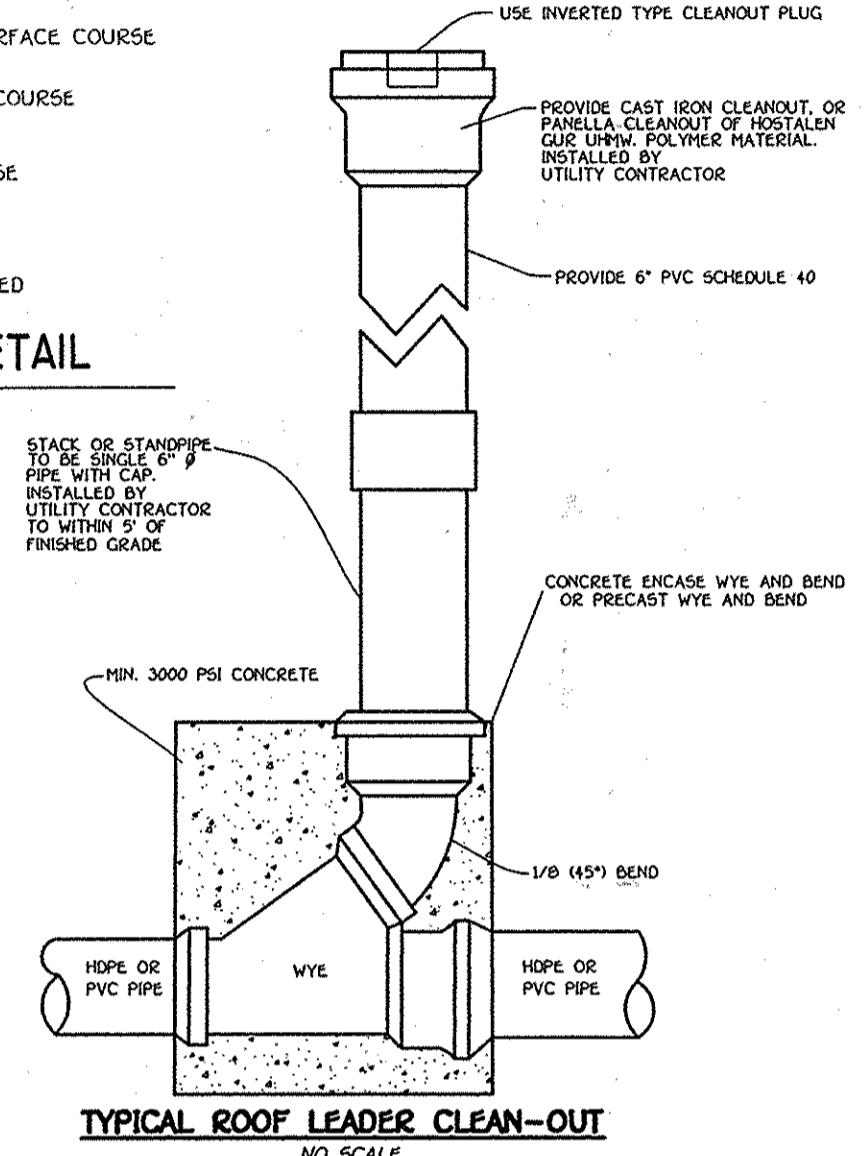
7 TYPE A CURB RAMP DETAIL
NO SCALE



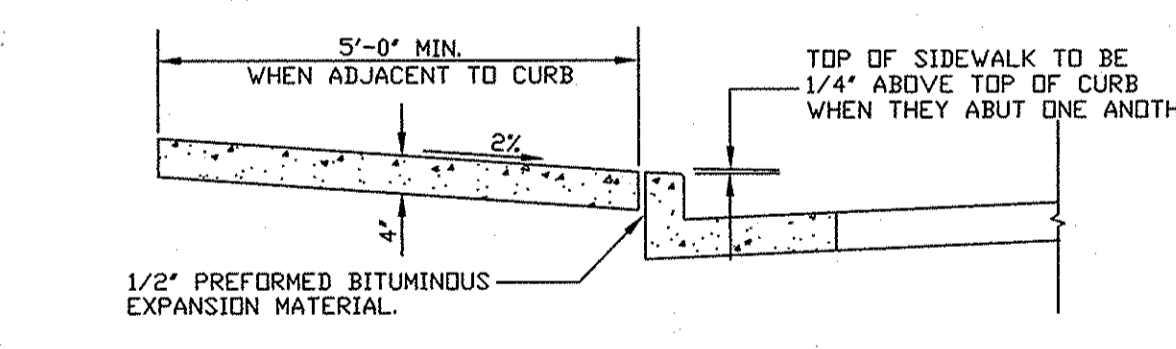
8 LIGHT DUTY ASPHALTIC PAVING DETAIL
NO SCALE



9 HOT MIX ASPHALT CURB
NO SCALE

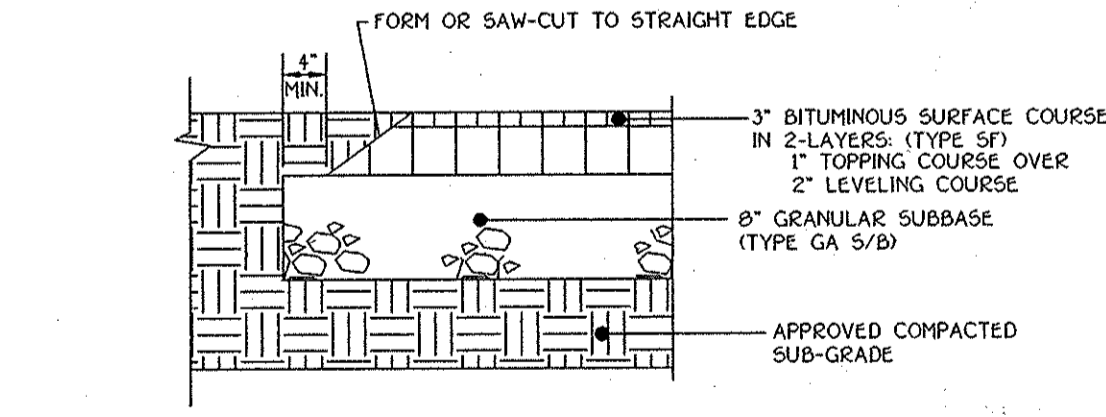


3 HEAVY DUTY ASPHALTIC PAVING DETAIL
NO SCALE

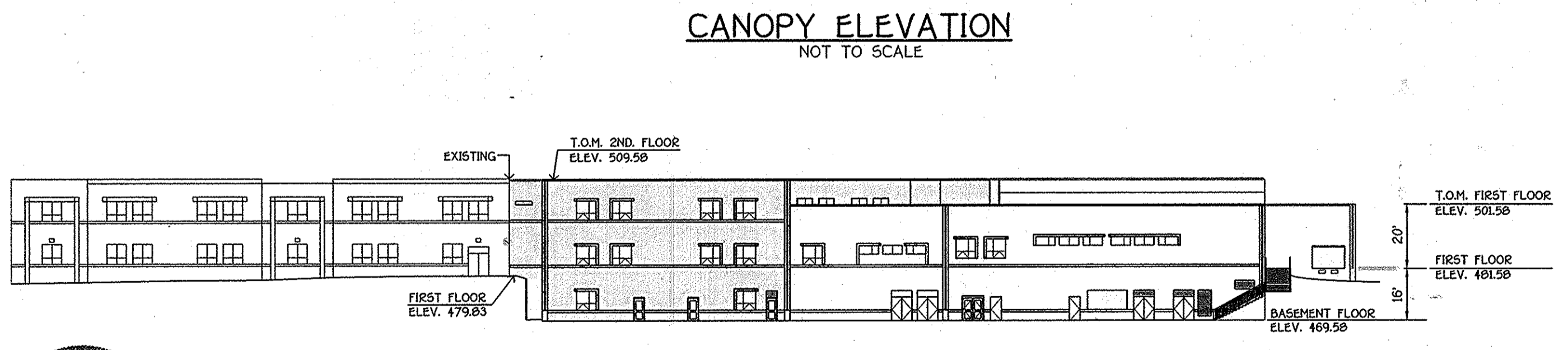
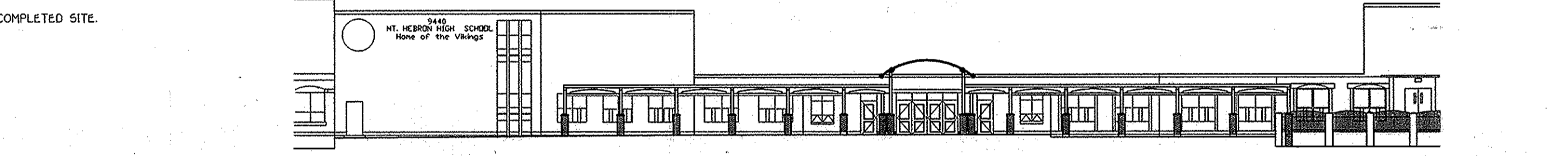


- NOTES:
- SIDEWALK TO BE SCRIBED IN 5'-0" MAXIMUM SQUARES.
 - EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO MORE THAN 15' APART.
 - 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE KEPT 1/4" BELOW SURFACE OF SIDEWALK.
 - CONCRETE TO BE MIX NO. 2.
 - WHEN SIDEWALK ABUTS CURB, WALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB.
 - 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.
 - SIDEWALK WIDTH ADJACENT TO CURB SHALL BE 5'-0" MIN.
 - SIDEWALK LOCATED 2' OR MORE FROM CURB MAY BE 4'-9" IN WIDTH WITH A 5' X 5' PAVED SECTION PLACED 200' APART.

CONCRETE SIDEWALK DETAIL



10 ASPHALTIC SIDEWALK PAVING DETAIL
NO SCALE



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
16156
8-28-16

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE: P.O. BOX 10272 BALTIMORE NATIONAL FIRE
ELLICOTT CITY, MARYLAND 21042
410-461-3959

APPROVED DEPARTMENT OF PLANNING AND ZONING
Director - Department of Planning and Zoning
Chief, Division of Land Development
Chief, Development Engineering Division

DATE: 12/15/06
DATE: 12/11/06
DATE: 12/11/06

4-28-15 REVISED SHEET TOTAL
10/20/06 REMOVED BUILDING ELEVATIONS AND STORM DRAIN PROFILES
4/3/08 ADD DETAILS 8-10, 9-10 & 10-10 FOR 2 NEW TEMP PORTABLE CLASSROOMS.
10/6/06 ADDED THIS SHEET FOR PROPOSED BUILDING ADDITIONS AND TO ADD 4 NEW PORTABLE CLASSROOM MODULARS.

ARCHITECT
SEM
Smolen + Emr
1180 PARKLAWN DRIVE
ROCKVILLE, MD 20852
301-770-0177

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

Address Chart	
Parcel Number	Street Address
P. 471	9440 MARYLAND ROUTE 99 ELLICOTT CITY, MD. 21042

PROJECT	SECTION/AREA	PARCELS
MOUNT HEBRON HIGH SCHOOL		471

DEED REF.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
545/131 406/222	17	R-20	17	SECOND	6021.00

WATER CODE	SEWER CODE
H03	1406900

DETAIL SHEET AND BUILDING ELEVATIONS
"REVISED SITE DEVELOPMENT PLAN"
MOUNT HEBRON HIGH SCHOOL
BUILDING ADDITIONS

TAX MAP No.: 17 GRID No.: 9 PARCEL No.: 471
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 40' DATE: NOVEMBER 22, 2006

SHEET 10 OF 11 SDP-97-146

STORMWATER MANAGEMENT GENERAL NOTES

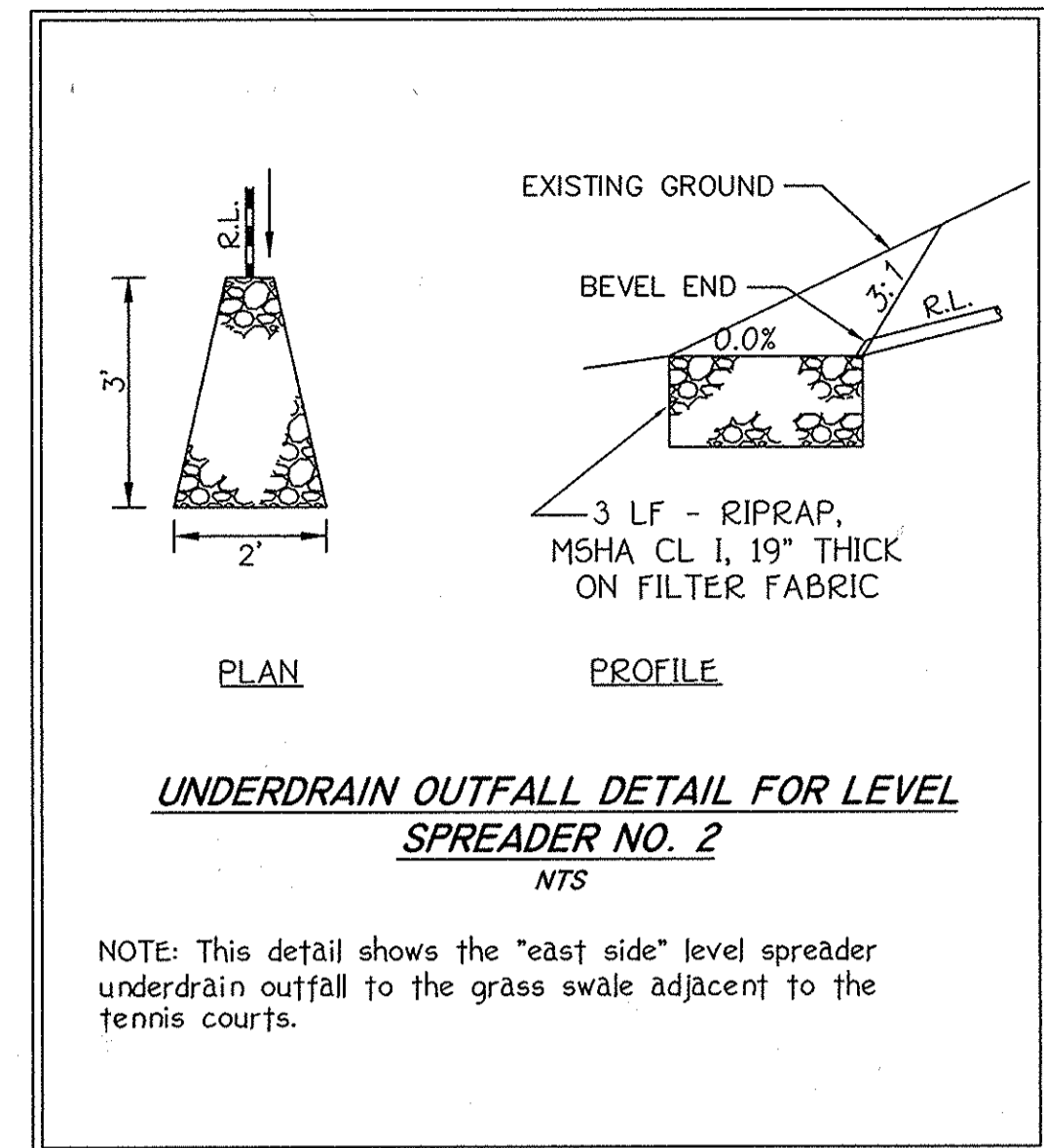
- All construction shall meet the latest edition of the Howard County Standards and Specifications and/or the Maryland Department of the Environment's 2000 Stormwater Design Manual or as shown on these plans. The contractor shall consult the engineer should there be any discrepancies.
- The utility locations are approximate. Contractor shall test pit all known existing utilities to verify, size, shape, location, and type prior to performing construction. Utility relocations, whether shown or not, are the responsibility of the owner. Any utility damaged due to construction must be repaired immediately.
- Should the contractor discover discrepancies between the plans and field conditions, the engineer is to be notified immediately to resolve the situation. If the contractor makes field corrections or adjustments without notifying the engineer, then the contractor assumes all responsibility for those changes.
- The topography and boundary shown on this plan was prepared by Fisher Collins and Carter.
- Contractor shall notify Miss Utility 1-800-257-7777 and Howard County Construction Inspection Division five (5) working days prior to beginning construction.
- Fisher Collins & Carter is not responsible for the contractor's utilization of men, materials, equipment, or safety measures in the performance of any work for this project. The contractor assumes all responsibility for performing the work correctly and in conformance with code/specification requirements.
- The level spreader can be graded and constructed/stabilized, however, it shall not receive water until all upstream areas have been stabilized. (i.e., good grass cover or paved).
- The Stormwater Management Facilities (i.e., Level Spreaders) shown on this sheet shall be privately owned and maintained by the Howard County Public School System.
- Roof leaders to have watertight joints.

MATERIAL SPECIFICATIONS

- The permeable soil shall consist of well mixed 35% sand, and 65% topsoil. The soil shall be free of stones, stumps, roots, or other similar material greater than 2". No other material shall be mixed or dumped within the permeable soil that may hinder plant growth. The planting soil shall be free of Bermuda grass, Quackgrass, Johnson grass, or other noxious weeds as specified under COMAR 15.08.01.05. The permeable soil shall loosely compacted in 8" lifts and be flooded after placement. Any settlement shall be refilled to the design elevation, and as outlined below. Sand shall meet AASHTO M-6 or ASTM C-33, Size: 0.02" to 0.04". The sand must be clean; free of fines, roots, etc. See the bioretention soil standards as set for in the Maryland Department of the Environment's 2000 SWM Design Manual for all other applicable soil specifications.
- Mulch shall be double-shredded hardwood aged 6 to 12 months. No wood chips or pine mulch.
- The "washed gravel" shall be washed pea gravel (ASTM D448) or uniformly sized stone meeting AASHTO M-43 (0.375" to 0.75") surrounded by geotextile Mifrafil 180M or approved equal (alternative geotextiles are outlined in MDE's 2000 SWM Manual in Appendix B, Class "C" criteria). Stone shall be carefully placed to prevent damage to geotextile. The geotextile shall be installed per the manufacturer's specifications with a 6" overlap. Stone aggregate must be free of fines and clean.
- The curlex matting shall be stapled and installed per the manufacturer's specifications.
- The gabion shall be pvc-coated and have an "open" bottom (i.e., use a 1/2 standard 1.5x3xl gabion basket). Gabion to be filled with 4"-8" stone. Gabion top surface to be level (0.0%) in all directions.
- Earthen fill adjacent to the gabion level spreader shall meet MD-378 standards and specifications regarding compaction and fill materials.

LEVEL SPREADER NOTES

- Place 6" perforated (slotted) PVC underdrain pipe at 0.0% beneath the level spreader "depressed" area as shown on the plan and then slope toward the outfall at 1.0% minimum. The outfall shall be to the storm drain system (west side) or to a grassed swale (east side). The PVC shall be Schedule 40 or stronger. Cap upstream ends.
- Should field conditions necessitate, the contractor shall provide positive drainage downstream of the level spreader (i.e., grade land to "daylight"). The grading shall be performed such that water flows in a sheet flow fashion (i.e., evenly spreads out as it flows downhill). All disturbed area shall be stabilized prior to allowing roof water to enter the level spreader.
- The level spreader and permeable soil/stone bedding and underdrain shall not receive water until ALL upstream areas have been stabilized (i.e., paved or have established vegetation).
- Use 4:1 side slopes around the inside of the depressed area except where 2:1 is used to tie in to the roof leader concrete endwall.

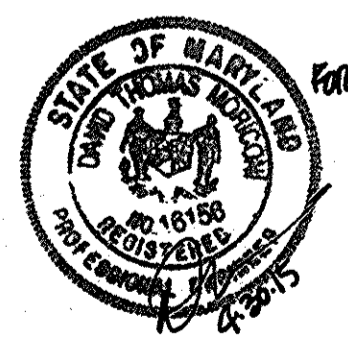
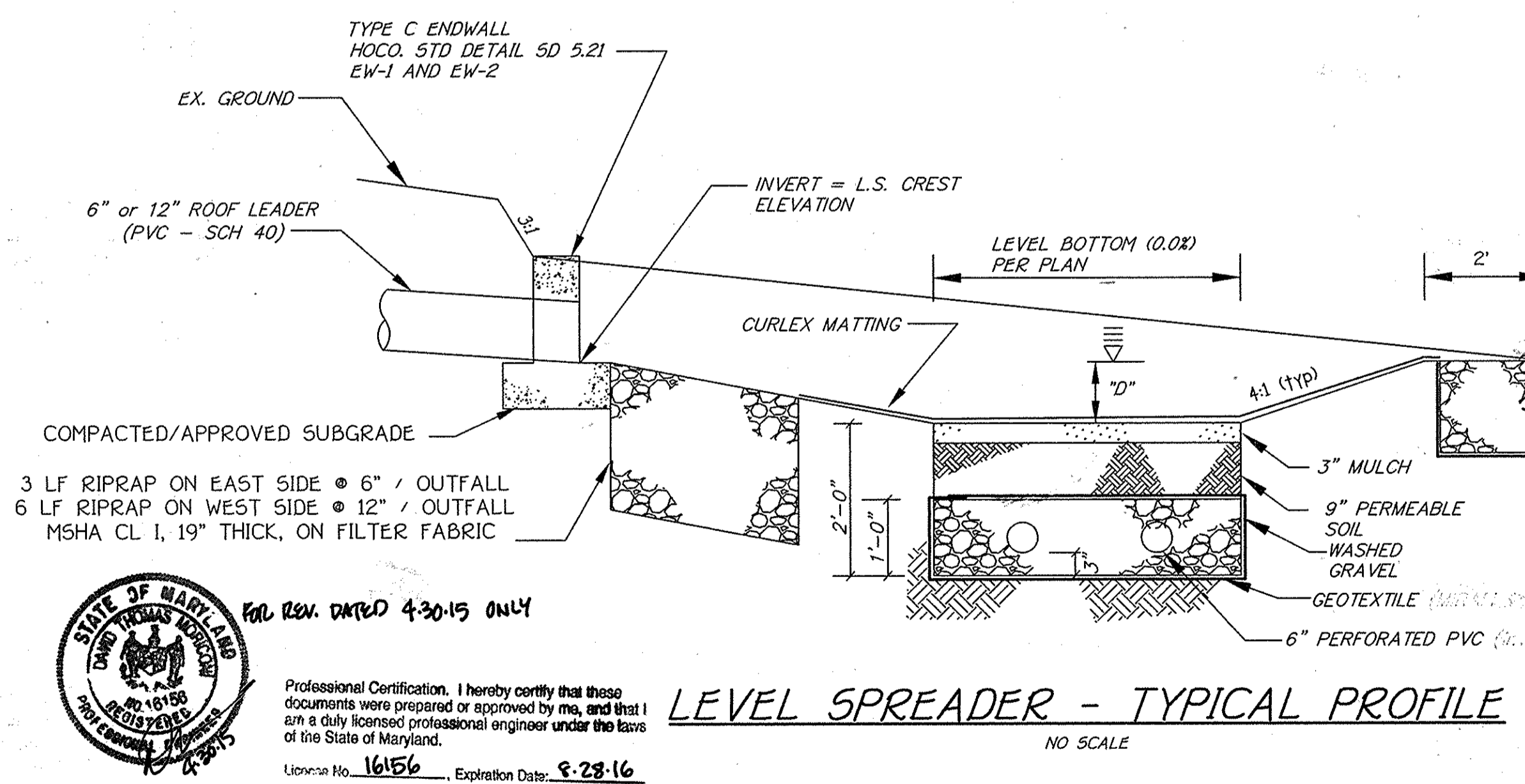
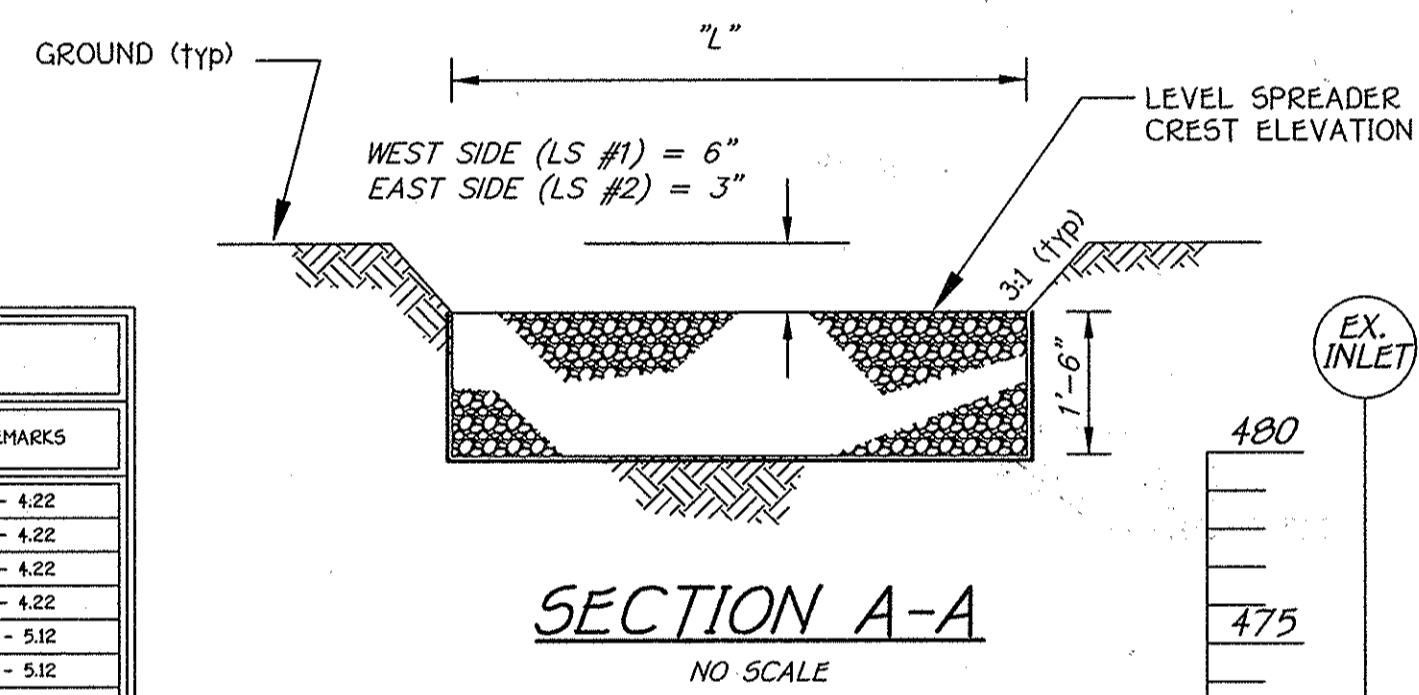
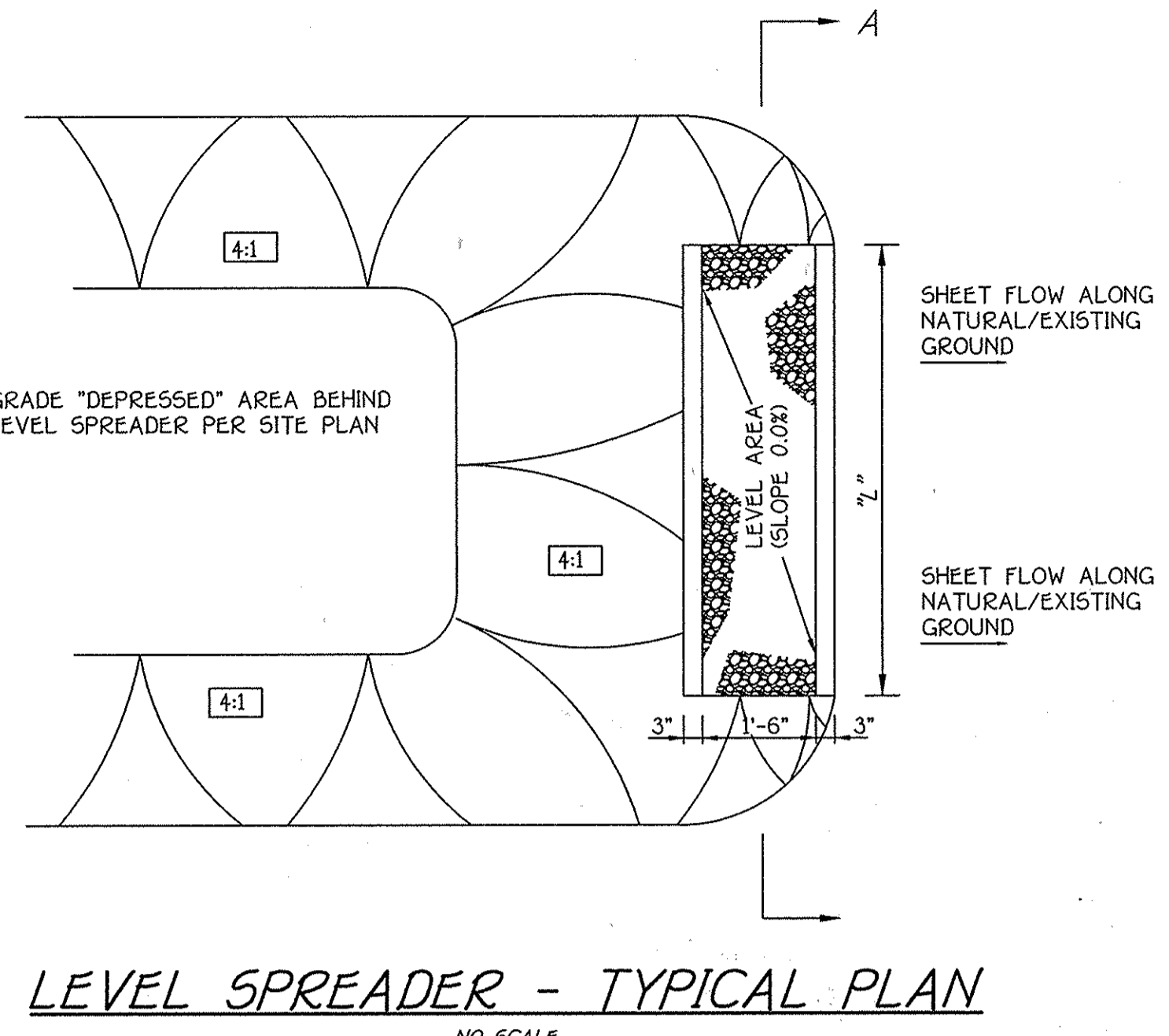


LEVEL SPREADER (L.S.) DIMENSION TABLE

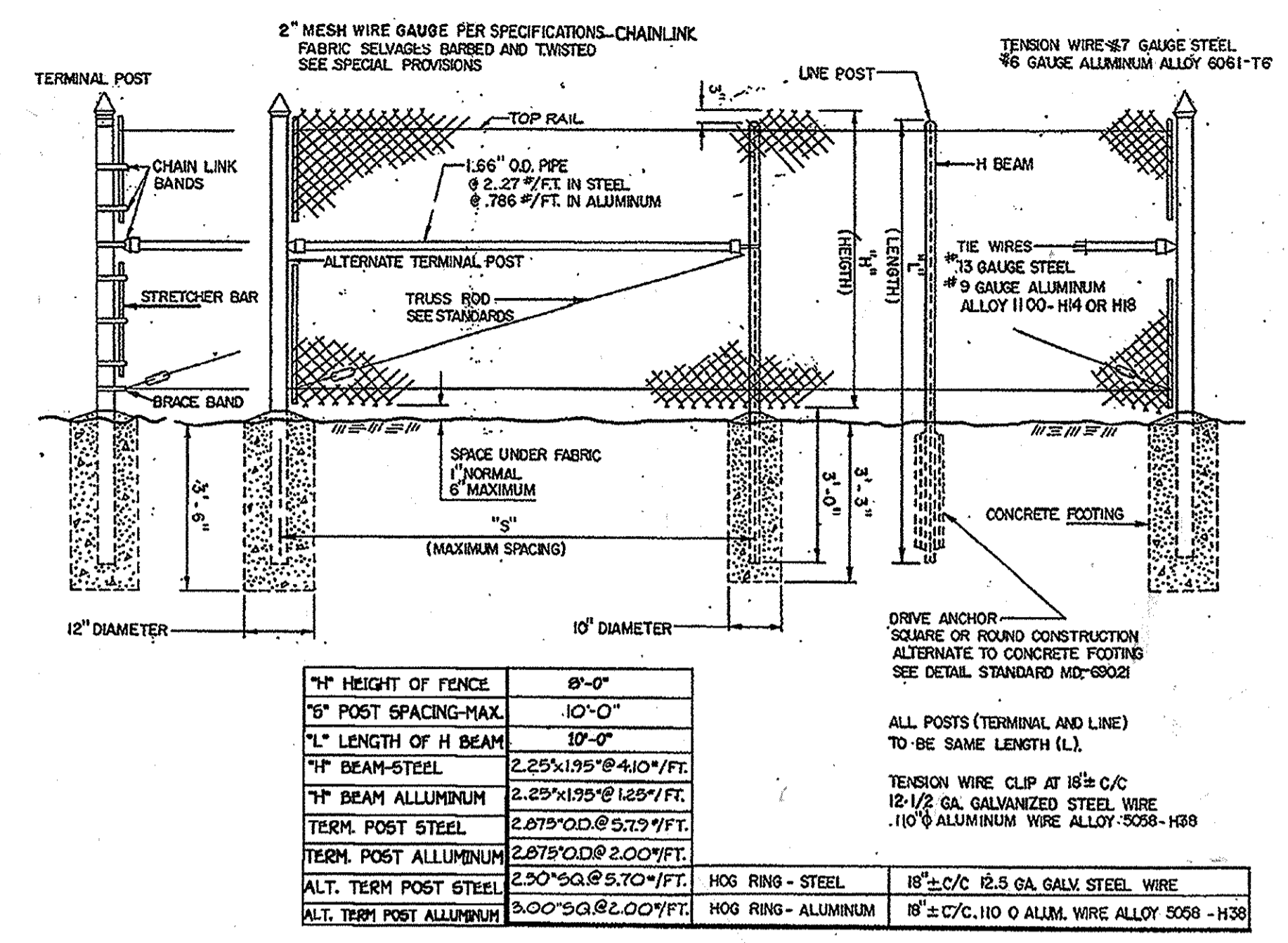
	L.S. #1 (WEST)	L.S. #2 (EAST)
L.S. LENGTH "L"	15'	6'
L.S. CREST ELEV.	461.80	476.00
DEPRESSED AREA DEPTH "D"	0.7'	0.5'
DEPRESSED AREA DIMENSIONS (L'xW')	15'x18'±	8'x6'±

STRUCTURE SCHEDULE

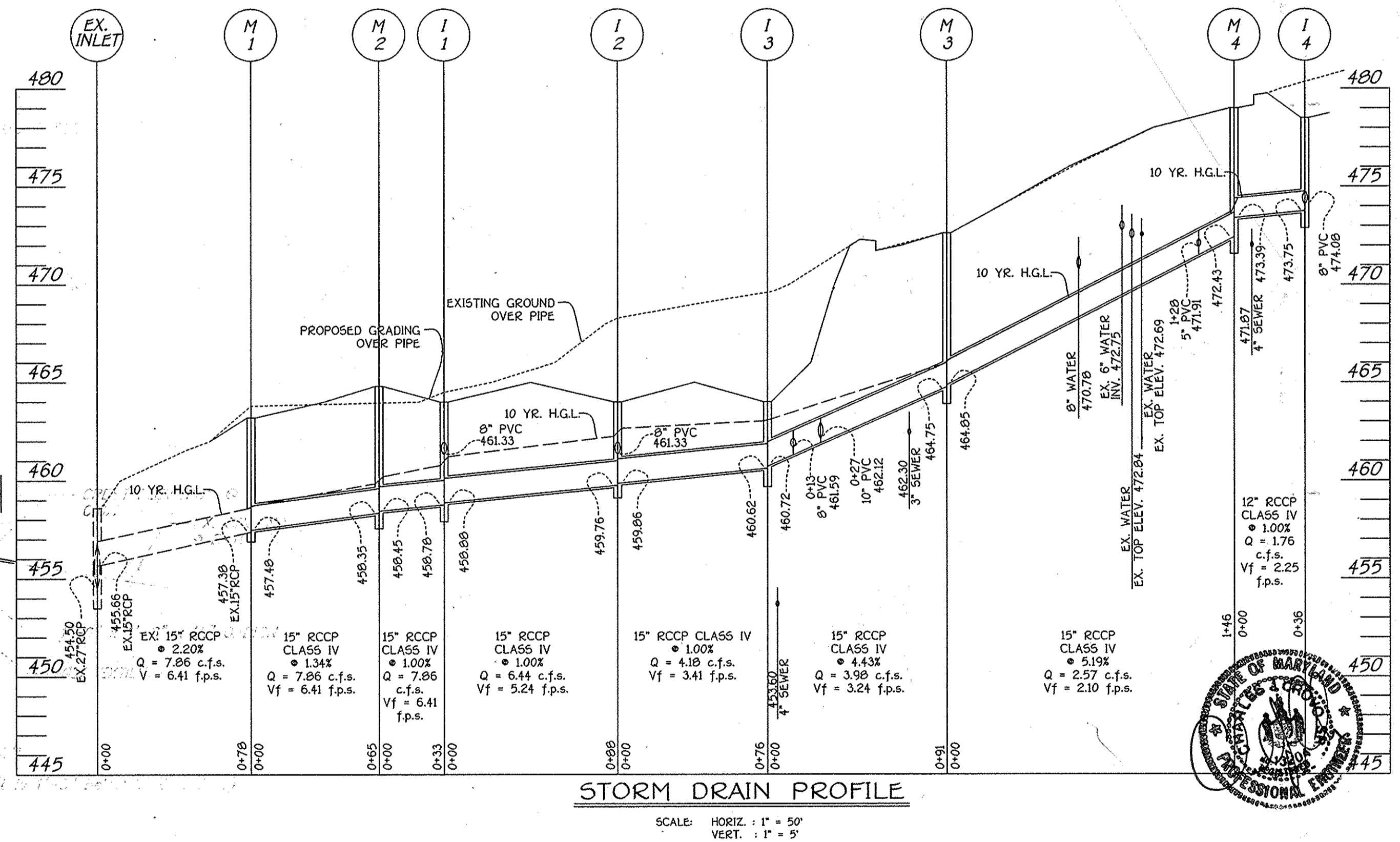
STRUCTURE NO.	TOP ELEVATION	INV. IN	INV. OUT	COORDINATES	WIDTH	TYPE	REMARKS
I-1	464.00	458.80 (0.7)	463.33 (0.7)	N 59464.71 E 1357714.51	2.50'	S	D - 4.22
I-2	464.00	459.80 (0.7)	463.33 (0.7)	N 594520.88 E 1357725.45	2.50'	S	D - 4.22
I-3	464.00	460.72 (0.7)	464.40 (0.7)	N 594520.88 E 1357725.45	2.50'	S	D - 4.22
I-4	478.50	474.00 (0.7)	473.75 (0.7)	N 594404.29 E 1357289.29	2.50'	S	D - 4.22
M-1	463.60	457.40 (0.7)	457.30 (0.7)	N 594689.88 E 1357715.74	4'	4' STD. MANHOLE	G - 5.12
M-2	464.80	458.45 (0.7)	458.35 (0.7)	N 59464.71 E 1357714.51	4'	4' STD. MANHOLE	G - 5.12
M-3	472.63	464.85 (0.7)	464.75 (0.7)	N 59435.42 E 1357747.03	4'	4' STD. MANHOLE	G - 5.12
M-4	479.00	473.39 (0.7)	473.43 (0.7)	N 594368.38 E 1357292.48	4'	4' STD. MANHOLE	G - 5.12



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 16156, Expiration Date: 9-28-16



1" HEIGHT OF FENCE	8'-0"	HOG RING - STEEL	18"± C/C 12.5 GA. GALV. STEEL WIRE
1" POST SPACING-MAX.	10'-0"	HOG RING - ALUMINUM	18"± C/C 11.0 O ALUM. WIRE ALLOY 5058 - H38
1" LENGTH OF H BEAM	10'-0"		
1" BEAM-STEEL	2.25"x1.95" @ 1.10"/FT.		
1" BEAM ALUMINUM	2.25"x1.95" @ 1.25"/FT.		
TERM. POST STEEL	2.875" O.D. @ 5.70"/FT.		
TERM. POST ALUMINUM	2.50" O.D. @ 2.00"/FT.		
ALT. TERM. POST STEEL	3.00" O.D. @ 2.00"/FT.		
ALT. TERM. POST ALUMINUM	3.00" O.D. @ 2.00"/FT.		



NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW THE STORMWATER MANAGEMENT PROFILES AND DETAILS FOR THE PROPOSED BUILDING ADDITIONS.



4-20-15 REVISED SHEET TOTAL

10/29/08 ADDED STORM DRAIN PROFILE

10/6/06 ADDED THIS SHEET FOR PROPOSED BUILDING ADDITIONS AND TO ADD 4 NEW PORTABLE CLASSROOM MODULARS.

DATE DESCRIPTION REVISION BLOCK

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Paul M. Ugle Director - Department of Planning and Zoning 12/15/06
Conch Hamilton Chief, Division of Land Development 12/15/06
John Danner Chief, Development Engineering Division 12/11/06

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



Address Chart

Parcel Number	Street Address
P. 471	9440 MARYLAND ROUTE 99 ELLICOTT CITY, MD. 21042

PROJECT: MOUNT HEBRON HIGH SCHOOL SECTION/AREA: 471 PARCELS: 471

DEED REF.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
545/131 406/222	17	R-20	17	SECOND	6021.00

WATER CODE: H03 SEWER CODE: 1406900

STORMWATER MANAGEMENT DETAILS AND NOTES

"REVISED SITE DEVELOPMENT PLAN" MOUNT HEBRON HIGH SCHOOL

BUILDING ADDITIONS

TAX MAP No.: 17 GRID No.: 9 PARCEL No.: 471
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 40' DATE: NOVEMBER 22, 2006

SHEET 11 OF 21
SDP-97-146

MT. HEBRON HIGH SCHOOL FIELD IMPROVEMENTS

INDEX OF DRAWINGS CONTINUED

- 12 TITLE SHEET
- 13 EXISTING PLAN/DEMOLITION PLAN
- 14 STAKE-OUT PLAN
- 15 SITE PLAN AND EROSION & SEDIMENT CONTROL PLAN
- 16-19 SITE DETAILS I, II, III & IV
- 20 PIPE PROFILES
- 21 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING CONSTRUCTION INSPECTION DIVISION AT 410-313-1880 HOWARD COUNTY PUBLIC SCHOOLS AT 410-313-6600 AND MISS UTILITY AT 1-800-257-7777 AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK

2. COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE REFERENCE SYSTEM NAD 83/11 AS PROJECTED BY HOWARD COUNTY PROJECT CONTROL STATIONS I7ED, FLY5, URS1, URS2, URS3, AND URS4

I7ED
N:594,314,8580
E:1,357,360,9430
ELEV:418,2700
HOWARD COUNTY DISK FOUND

FLY5
N:594,732,8714
E:1,357,636,4313
ELEV:480,6810
URS MAGNAIL FOUND

URS1
N:594,632,4182
E:1,358,237,0319
ELEV:469,1510
URS MAGNAIL FOUND

URS2
N:594,908,7686
E:1,357,873,7521
ELEV:480,0910
URS MAGNAIL FOUND

URS3
N:594,866,0318
E:1,357,345,2842
ELEV:480,5910
URS MAGNAIL FOUND

URS4
N:594,558,2879
E:1,356,756,5456
ELEV:458,5310
URS MAGNAIL FOUND

THE SYSTEM OF COORDINATES USED IS BASED ON THE FOLLOWING DATUMS AND PROJECTIONS:

HORIZONTAL: NAD83/2011
VERTICAL: NAVD88

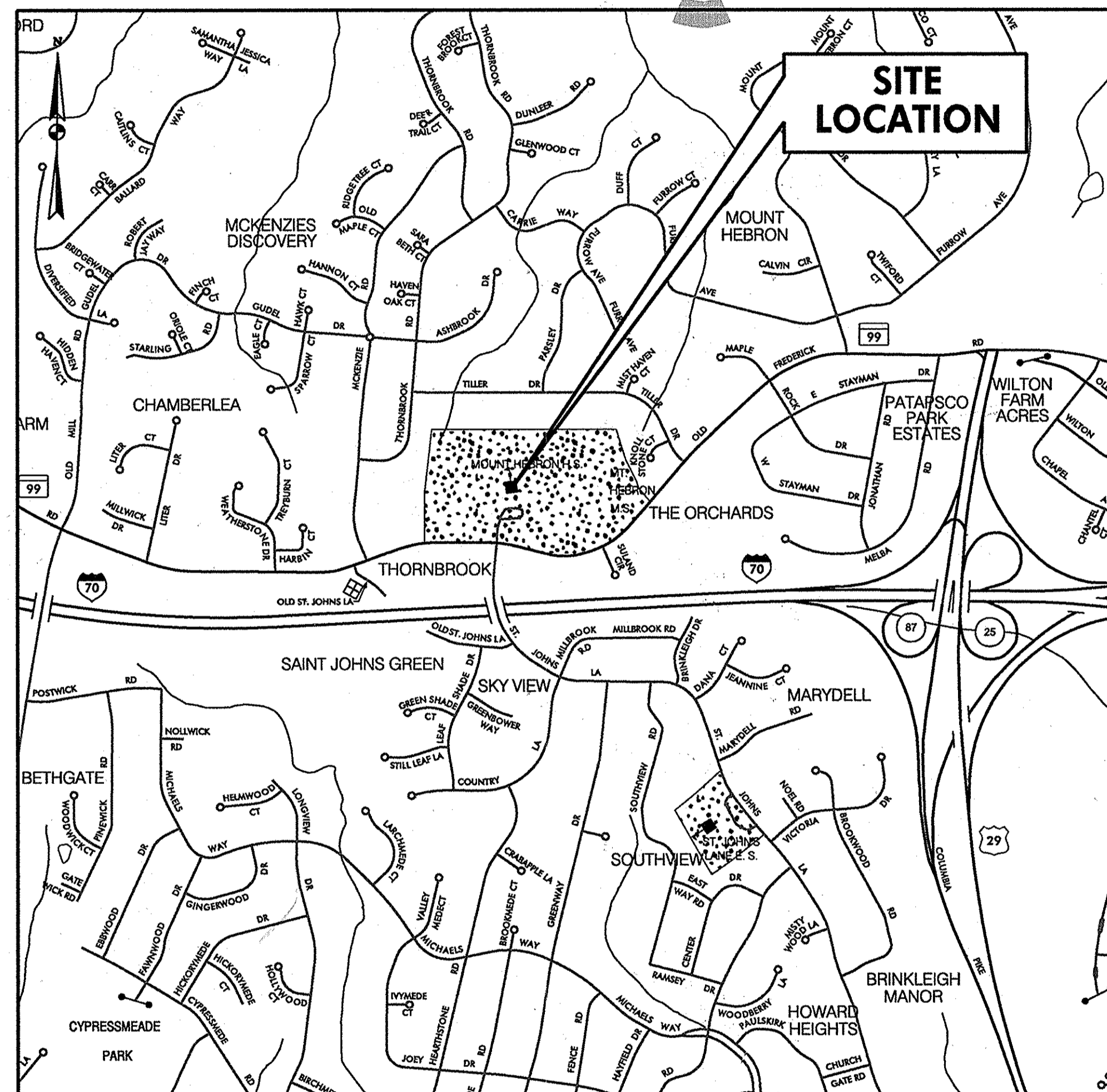
- 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
- 4. ALL WORK SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE '2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL,' ISSUED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AND THE NATURAL RESOURCES CONSERVATION SERVICE.
- 5. TOPOGRAPHIC SURVEYS WERE PERFORMED BY URS CORPORATION IN OCTOBER 2014.
- 6. THE PROPERTY LINES AND EASEMENT LINES ARE APPROXIMATE.
- 7. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND THE FIELD CONDITIONS, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THEN THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
- 8. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHOD, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- 9. APPROXIMATE UTILITIES ARE SHOWN FROM AVAILABLE RECORDS AND/OR FIELD RECONNAISSANCE. 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.

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.

UTILITY CONTACTS:

AT&T	1-800-252-1133
BGE (CONSTRUCTION SERVICES)	(410) 637-8713
BGE (EMERGENCY)	(410) 685-0123
HOCO BUREAU OF UTILITIES	(410) 313-4900
COLONIAL PIPELINE CO.	(410) 795-1390
MISS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	(410) 531-5533
VERIZON	1-800-743-0033

10. THIS REVISION FOR FIELD IMPROVEMENTS IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION IN ACCORDANCE WITH APPENDIX O OF THE HOWARD COUNTY FOREST CONSERVATION MANUAL. THIS COUNTY CAPITAL PROJECT IS EXEMPT BECAUSE IT DOES NOT RESULT IN CUTTING, CLEARING OR GRADING OF MORE THAN 40,000 SQUARE FEET OF FOREST.



LOCATION MAP
HOWARD COUNTY



SCALE: 1" = 1000'

APPROVED: DEPARTMENT OF PLANNING AND ZONING

<i>[Signature]</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	5-11-15 DATE
<i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT	5-26-15 DATE
<i>[Signature]</i> ACTING DIRECTOR	5-28-2015 DATE

DEVELOPER'S CERTIFICATION

"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 INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

[Signature] 5-17-15
SIGNATURE OF DEVELOPER DATE

ENGINEER'S CERTIFICATION

"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] 4-30-15
URS CORPORATION DATE
4 NORTH PARK DRIVE
HUNT VALLEY, MD 21030

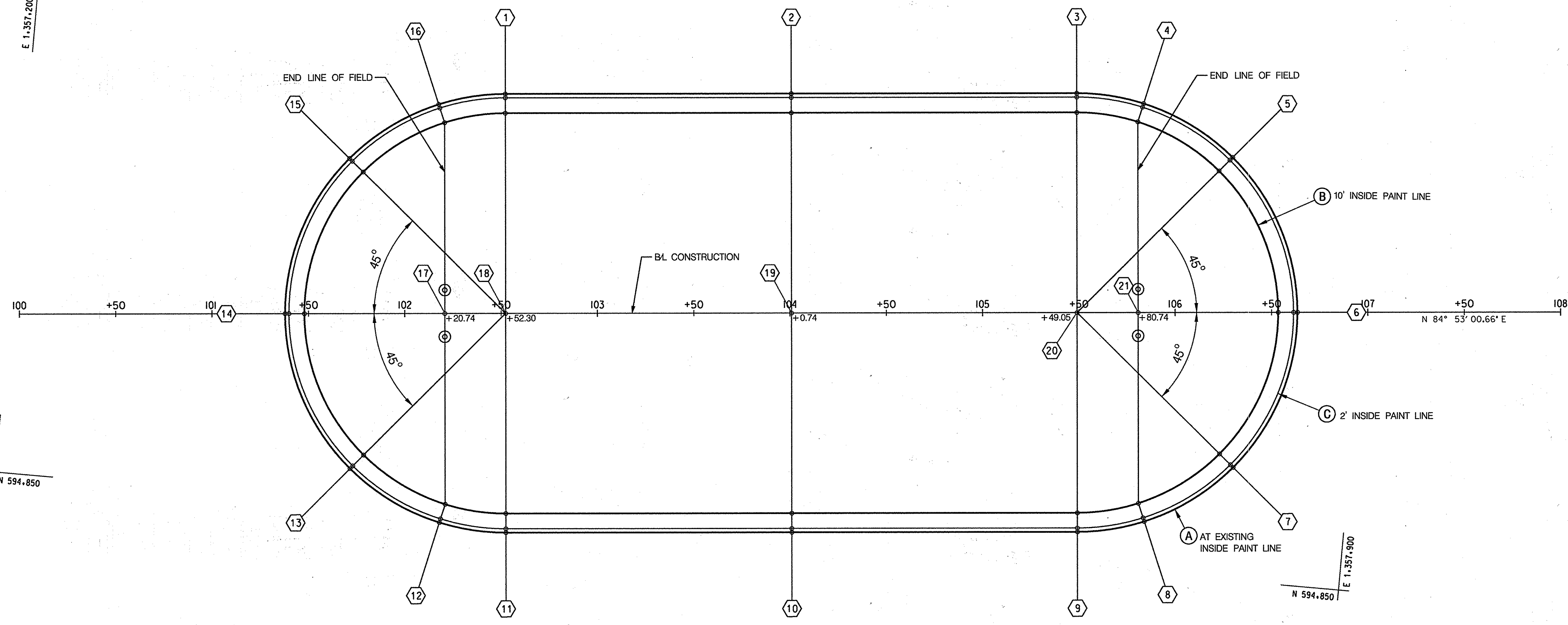
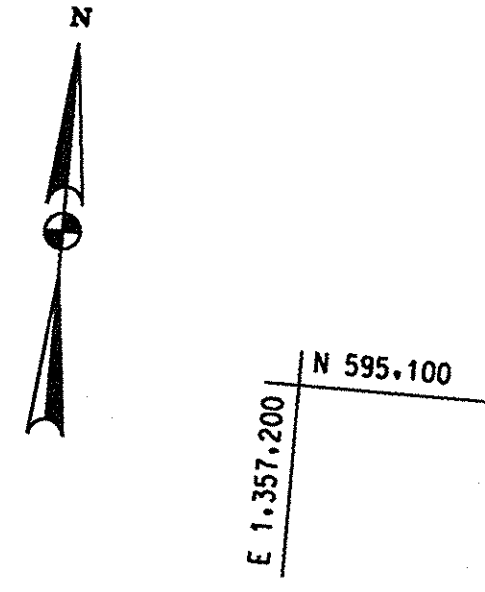
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 5/4/15
HOWARD SOIL CONSERVATION DISTRICT DATE

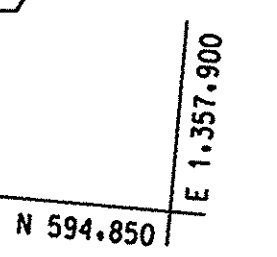
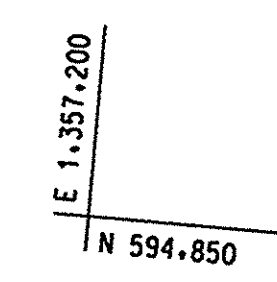
PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 16156. EXPIRATION DATE: 8/28/2016"

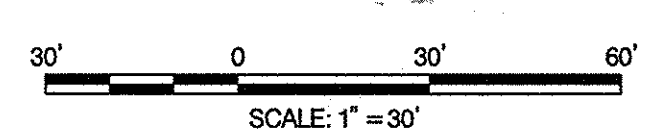
<p>HOWARD COUNTY PUBLIC SCHOOL SYSTEM HOWARD COUNTY, MARYLAND</p> <p><i>[Signature]</i> 5/4/15 DIRECTOR, HOWARD COUNTY RECREATION AND PARKS</p> <p><i>[Signature]</i> 5/14/15 ASSISTANT MANAGER, GROUNDS SERVICES, HOWARD COUNTY PUBLIC SCHOOL SYSTEM</p>	<p>PREPARED BY</p> <p>URS</p> <p>4 NORTH PARK DRIVE HUNT VALLEY, MARYLAND TEL: (410) 785-7220</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DES: DMT</td> <td></td> </tr> <tr> <td>DRN: CDF</td> <td></td> </tr> <tr> <td>CHK: DTM</td> <td></td> </tr> <tr> <td>DATE: 04/2015</td> <td>DTM</td> </tr> <tr> <td>BY NO.</td> <td>NEW SHEET</td> </tr> <tr> <td></td> <td>42015</td> </tr> <tr> <td></td> <td>REVISION</td> </tr> <tr> <td></td> <td>DATE</td> </tr> </table>	DES: DMT		DRN: CDF		CHK: DTM		DATE: 04/2015	DTM	BY NO.	NEW SHEET		42015		REVISION		DATE	<p>TITLE SHEET</p> <p>SCALE MAP NO. _____ BLOCK NO. _____</p>	<p>REVISED SITE DEVELOPMENT PLAN MT. HEBRON HIGH SCHOOL FIELD IMPROVEMENTS</p> <p>2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND</p> <p>SCALE AS SHOWN</p> <p>SHEET 12 OF 21</p>
DES: DMT																					
DRN: CDF																					
CHK: DTM																					
DATE: 04/2015	DTM																				
BY NO.	NEW SHEET																				
	42015																				
	REVISION																				
	DATE																				



POINT	NORTHING	EASTING	ELEVATION
(1A)	595,069.6783	1,357,446.4028	480.18
(1B)	595,059.7181	1,357,447.2946	480.62
(1C)	595,067.6863	1,357,446.5811	480.14
(2A)	595,082.9167	1,357,594.2556	480.07
(2B)	595,072.9565	1,357,595.1474	480.62
(2C)	595,080.9246	1,357,594.4339	480.03
(3A)	595,096.1430	1,357,741.9734	480.02
(3B)	595,086.1828	1,357,742.8652	480.62
(3C)	595,094.1509	1,357,742.1517	479.98
(4A)	595,093.8649	1,357,777.0423	480.05
(4B)	595,084.1038	1,357,774.8694	480.64
(4C)	595,091.9126	1,357,776.6077	480.01
(5A)	595,069.9815	1,357,825.5473	480.09
(5B)	595,062.3080	1,357,819.1350	480.56
(5C)	595,068.4468	1,357,824.2648	480.05
(6A)	594,992.3854	1,357,866.1487	480.17
(6B)	594,991.4936	1,357,856.1886	480.78
(6C)	594,992.2070	1,357,864.1567	480.13
(7A)	594,908.8023	1,357,839.9881	480.05
(7B)	594,915.2146	1,357,832.3146	480.56
(7C)	594,910.0848	1,357,838.4534	480.01
(8A)	594,876.6720	1,357,796.4892	480.18
(8B)	594,885.8917	1,357,792.6168	480.64
(8C)	594,878.5159	1,357,795.7147	480.14
(9A)	594,868.2000	1,357,762.3828	480.20
(9B)	594,878.1602	1,357,761.4910	480.62
(9C)	594,870.1921	1,357,762.2045	480.16
(10A)	594,854.9738	1,357,614.6650	480.19
(10B)	594,864.9339	1,357,613.7732	480.62
(10C)	594,856.9658	1,357,614.4867	480.15
(11A)	594,841.7354	1,357,466.8122	480.16
(11B)	594,851.6955	1,357,465.9204	480.62
(11C)	594,843.7274	1,357,466.6339	480.12
(12A)	594,843.9798	1,357,431.8954	480.12
(12B)	594,853.7438	1,357,434.0551	480.64
(12C)	594,845.9326	1,357,432.3274	480.08
(13A)	594,867.9053	1,357,383.2284	480.09
(13B)	594,875.5788	1,357,389.6407	480.56
(13C)	594,869.4400	1,357,384.5109	480.05
(14A)	594,945.5113	1,357,342.6354	480.18
(14B)	594,946.4031	1,357,352.5956	480.78
(14C)	594,945.6896	1,357,344.6274	480.14
(15A)	595,029.0859	1,357,368.8059	480.21
(15B)	595,022.6736	1,357,376.4794	480.56
(15C)	595,027.8034	1,357,370.3406	480.17
(16A)	595,061.2666	1,357,412.4401	480.21
(16B)	595,052.0415	1,357,416.3000	480.64
(16C)	595,059.4215	1,357,413.2121	480.17
(17)	594,952.9018	1,357,425.1767	481.14
(18)	594,955.7160	1,357,456.6067	481.14
(19)	594,968.9544	1,357,604.4595	481.14
(20)	594,982.1807	1,357,752.1773	481.14
(21)	594,985.0069	1,357,783.7423	481.14



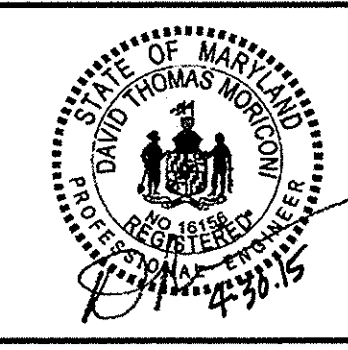
NOTES:
 -FOR POLE VAULT STAKE OUT SEE SHEET 11
 -FOR HIGH JUMP STAKE OUT SEE SHEET 11
 -FOR LONG/TRIPLE JUMP STAKE OUT SEE SHEET 11



PROFESSIONAL CERTIFICATION
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APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chad E. Smith 5-11-15
 CHIEF, DEVELOPMENT ENGINEERING DIVISION 4 DATE
Kate S. J. [Signature] 5-26-15
 CHIEF, DIVISION OF LAND DEVELOPMENT 4 DATE
Acacia [Signature] 5-28-2015
 DIRECTOR DATE

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 HOWARD COUNTY, MARYLAND
 PREPARED BY
URS
 4 NORTH PARK DRIVE
 HUNT VALLEY, MARYLAND
 TEL: (410) 785-7220
 DIRECTOR: *[Signature]* 5/14/15
 RECREATION AND PARKS
 ASSISTANT MANAGER, GROUNDS SERVICES:
[Signature] 5/14/15
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM

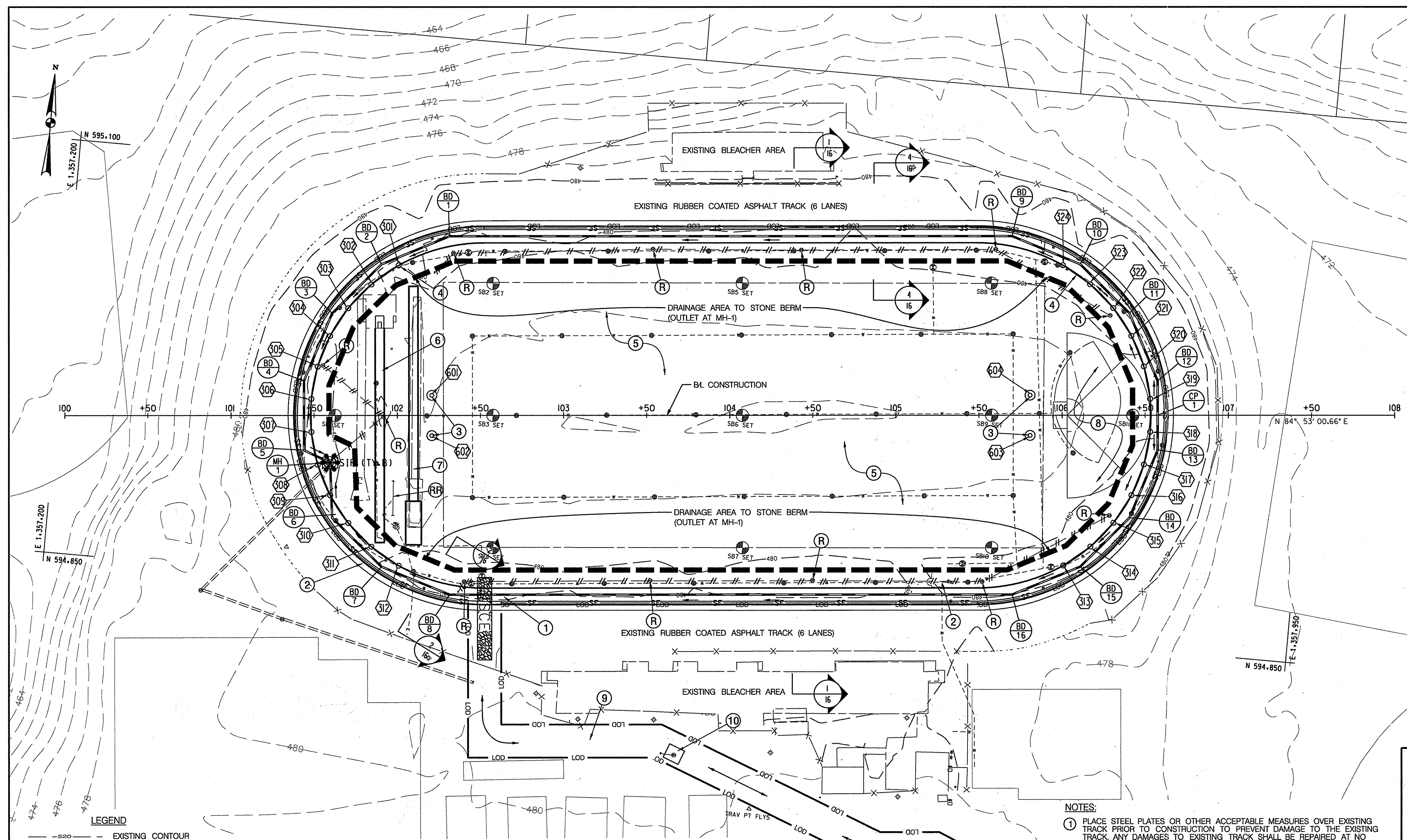


DES:	DMT		
DRN:	CDF		
CHK:	DTM		
DATE:	04/2015	DTM	NEW SHEET
BY:	NO.	REVISION	DATE

STAKE-OUT PLAN
 SCALE MAP NO. _____ BLOCK NO. _____

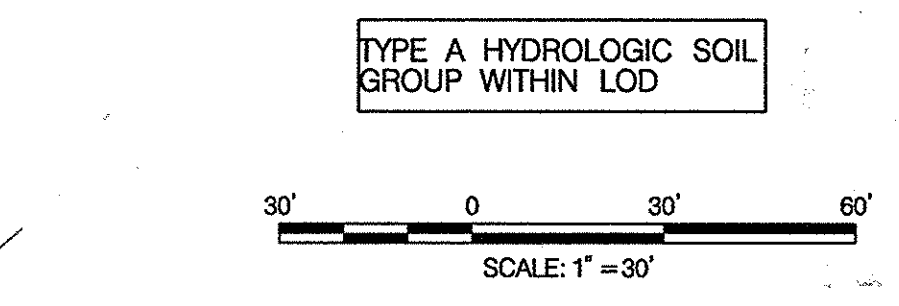
REVISED SITE DEVELOPMENT PLAN
 MT. HEBRON HIGH SCHOOL
 FIELD IMPROVEMENTS
 2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

SCALE
 1" = 30'
 SHEET
 14 OF 21



GOAL POSTS			
POINT	NORTHING	EASTING	ELEVATION
601	594,965.0200	1,357,424.0917	481.08
602	594,940.7836	1,357,426.2617	481.08
603	594,972.8887	1,357,784.8273	481.08
604	594,997.1251	1,357,782.6572	481.08

SAFETY NETTING SLEEVES			
POINT	NORTHING	EASTING	ELEVATION
301	595,041.5970	1,357,397.2110	480.59
302	595,028.6983	1,357,381.9262	480.56
303	595,013.1223	1,357,369.3807	480.57
304	594,995.4403	1,357,360.0348	480.60
305	594,976.3009	1,357,354.2311	480.65
306	594,956.4242	1,357,352.1828	480.73
307	594,936.4856	1,357,353.9645	480.73
308	594,917.2702	1,357,359.5113	480.65
309	594,899.4646	1,357,368.6196	480.60
310	594,883.7220	1,357,380.9554	480.57
311	594,870.6199	1,357,396.0661	480.56
312	594,860.6387	1,357,413.3974	480.59
313	594,896.2912	1,357,811.5890	480.59
314	594,909.1941	1,357,826.8734	480.56
315	594,924.7727	1,357,839.4161	480.57
316	594,942.4567	1,357,848.7587	480.60
317	594,961.5935	1,357,854.5579	480.65
318	594,981.4886	1,357,856.6033	480.73
319	595,001.4266	1,357,854.8150	480.73
320	595,020.6235	1,357,849.2684	480.65
321	595,038.4278	1,357,840.1572	480.60
322	595,054.1686	1,357,827.8187	480.57
323	595,067.2685	1,357,812.7057	480.56
324	595,077.2478	1,357,795.3704	480.59



- LEGEND**
- - - - - EXISTING CONTOUR
 - X - X - EXISTING CHAIN LINK FENCE
 - - - - - EXISTING UNDERGROUND ELECTRIC
 - == # == # == ABANDON EXISTING PIPE & FILL WITH FLOWABLE FILL
 - - - - - REMOVE EXISTING PIPE
 - SAFETY NETTING SLEEVES
 - SIP STANDARD INLET PROTECTION
 - SF - SILT FENCE
 - Ⓡ REMOVE EXISTING STRUCTURE/PLUG PIPES
 - Ⓢ REMOVE AND RESET EXISTING STRUCTURE
 - Ⓣ COMBINATION GOAL GROUND SLEEVE
 - MH MANHOLE
 - BD BEND
 - CP COUPLING
 - 10" HDPE UNDERDRAIN

Standard Stabilization Note

Following initial soil disturbance or re-disturbance, permanent or temporary stabilization must be completed within:

- Three (3) calendar days as to the surface of all perimeter dikes, swales, ditches, perimeter slopes, and all slopes steeper than 3 horizontal to 1 vertical (3:1); and
- Seven (7) calendar days as to all other disturbed or graded areas on the project site not under active grading.

CONTRACTOR SHALL LOCATE THE STAGING AND STOCKPILE AREA AND IS RESPONSIBLE FOR PROVIDING ANY ADDITIONAL EROSION CONTROLS AS REQUIRED BY THE INSPECTOR WITHIN THE APPROVED LIMIT OF DISTURBANCE, OFFSITE STAGING, STOCKPILE, OR WASTE SITE THE CONTRACTOR UTILIZES MUST HAVE AN ACTIVE APPROVED GRADING PERMIT.

PROFESSIONAL CERTIFICATION

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APPROVED: DEPARTMENT OF PLANNING AND ZONING

Shelley E. ... 5-11-15
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

W. A. ... 5-26-15
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Acme ... 5-28-2015
DIRECTOR DATE

- NOTES:**
- PLACE STEEL PLATES OR OTHER ACCEPTABLE MEASURES OVER EXISTING TRACK PRIOR TO CONSTRUCTION TO PREVENT DAMAGE TO THE EXISTING TRACK. ANY DAMAGES TO EXISTING TRACK SHALL BE REPAIRED AT NO COST TO HOWARD COUNTY.
 - INSTALL WATER REEL CONNECTION BOX (SEE DETAIL SHEET). CONNECT TO EXISTING 3" WATER LINE. FINAL PLACEMENT AS DIRECTED BY THE COUNTY.
 - HOWARD COUNTY TO FURNISH SOCCER/FOOTBALL GOAL POSTS. CONTRACTOR SHALL INSTALL THE GOAL POST FOUNDATIONS WITH SLEEVES.
 - SAFETY NETTING SLEEVES. CONTRACTOR MUST COORDINATE WITH PLACEMENT OF UNDERDRAIN.
 - FIELD TURF, SEE DETAIL (1/16)
 - POLE VAULT (SEE SHEET 17 FOR STAKEOUT).
 - LONG JUMP/TRIPLE EVENT. (SEE SHEET 17 FOR STAKEOUT)
 - HIGH JUMP (SEE SHEET 17 FOR STAKEOUT).
 - THE CONTRACTOR SHALL REPAIR ANY DAMAGED ASPHALT OR CONCRETE AREAS AS A RESULT OF THE PROPOSED USE DURING CONSTRUCTION.
 - PLACE STEEL PLATE OR OTHER ACCEPTABLE MEASURES OVER EXISTING INLET PRIOR TO CONSTRUCTION TO PREVENT DAMAGE TO THE EXISTING INLET. ANY DAMAGE SHALL BE REPAIRED AT NO COST TO HOWARD COUNTY.

DEVELOPER'S CERTIFICATION

"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 INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

[Signature] 5-17-15
SIGNATURE OF DEVELOPER DATE

ENGINEER'S CERTIFICATION

"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] 4/30/15
URS CORPORATION DATE
4 NORTH PARK DRIVE
HUNT VALLEY, MD 21030

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

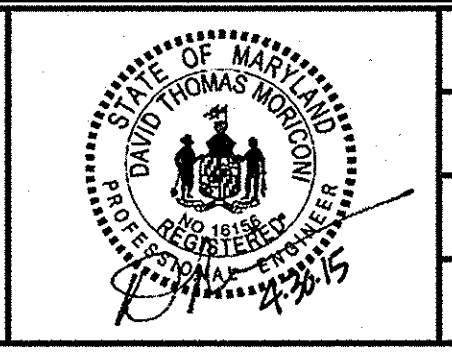
[Signature] 5/4/15
HOWARD SOIL CONSERVATION DISTRICT DATE

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND

[Signature] 5/4/15
DIRECTOR, HOWARD COUNTY RECREATION AND PARKS DATE

[Signature] 5/14/15
ASSISTANT MANAGER, GROUNDS SERVICES,
HOWARD COUNTY PUBLIC SCHOOL SYSTEM

PREPARED BY
URS
4 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
TEL: (410) 785-1220



DES:	DMT		
DRN:	CDF		
CHK:	DTM		
DATE:	04/2015	DTM	NEW SHEET
BY:	NO.	REVISION	DATE
			4/2015

SITE PLAN AND EROSION & SEDIMENT CONTROL PLAN

SCALE MAP NO. _____ BLOCK NO. _____

REVISED SITE DEVELOPMENT PLAN
MT. HEBRON HIGH SCHOOL
FIELD IMPROVEMENTS

2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

SCALE 1" = 30'

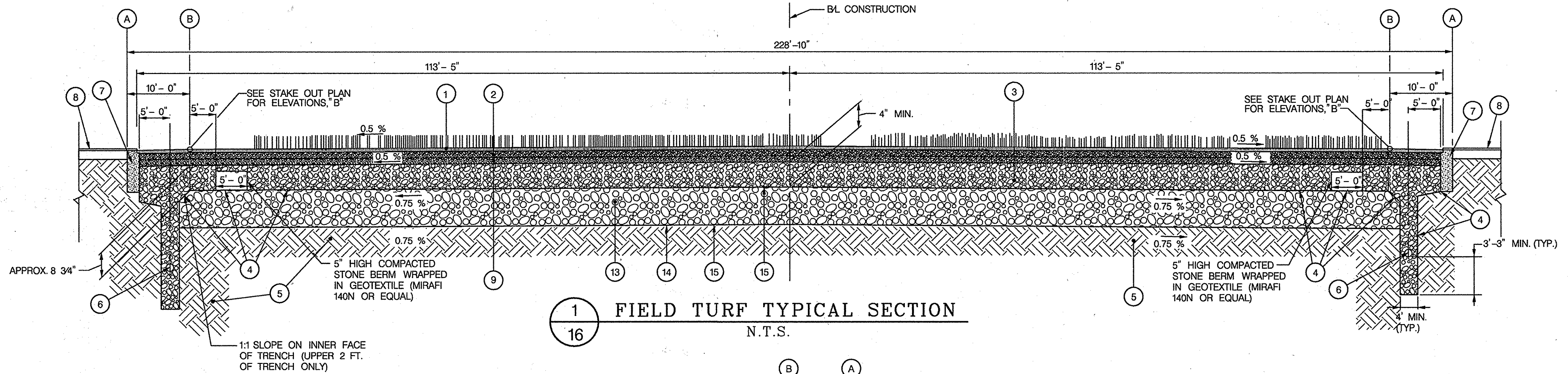
SHEET 15 OF 21

LEGEND

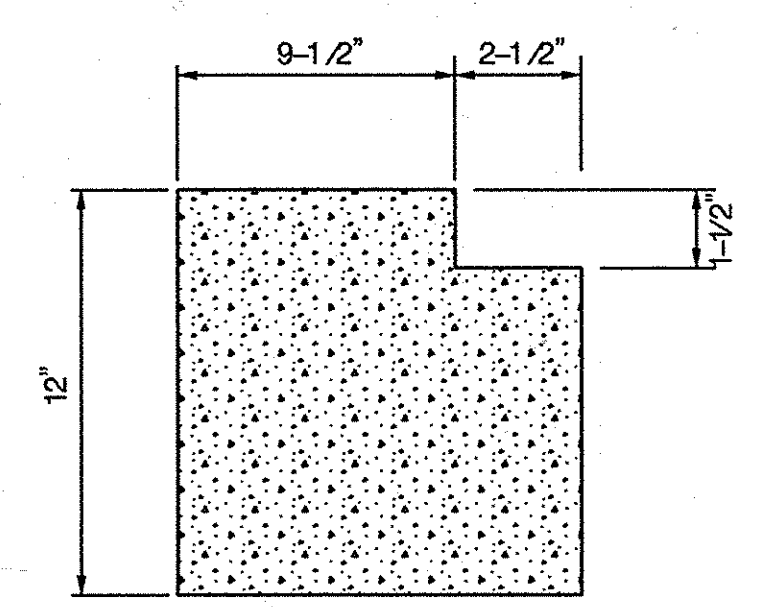
- 1 2 - 12" PILE FIELD TURF WITH 1 - 3/4" OF INFILL.
- 2 1" OF FINISHING STONE AS PER SPECIFICATIONS, COMPACTED AND GRADED TO WITHIN 0 - 1/2" OF DESIGN GRADE AND WITHIN 0 - 1/4" IN 10 FEET (USE LASER GUIDED GRADER).
- 3 VARIABLE DEPTH (MIN. 4" @ CENTER) #2 BASE STONE.
- 4 GEOTEXTILE (MIRAFI140N OR EQUAL) LINING THE TRENCH AND UNDER THE BASE.
- 5 NATURAL SOIL COMPACTED TO 95% PROCTOR.
- 6 10" DIAMETER PERFORATED COLLECTOR PIPE, SLOPE AT 0.5%.
- 7 CONCRETE CURB (SEE DETAILS THIS SHEET)
- 8 EXISTING RUBBER COATED TRACK.
- 9 1" OF #8 STONE.
- 10 RUBBER COATING ON TRACK.
- 11 FULL DEPTH SAWCUT AT CENTER OF PAINT LINE.
- 12 CENTER OF WHITE PAINT LINE - MATCH EXISTING.
- 13 6" AASHTO NO. 57 STONE. (IF SOIL STABILIZATION IS REQUIRED)
- 14 NON-WOVEN GEOTEXTILE FABRIC (ANCHOR TO SUBGRADE USING LANDSCAPE STAPLES OR SIMILAR)
- 15 TRIAXIAL GEOGRID (MINIMUM TENSILE STRENGTH OF 15,000 LB/FT @ 0.5% STRAIN) (IF SOIL STABILIZATION IS REQUIRED)

NOTES

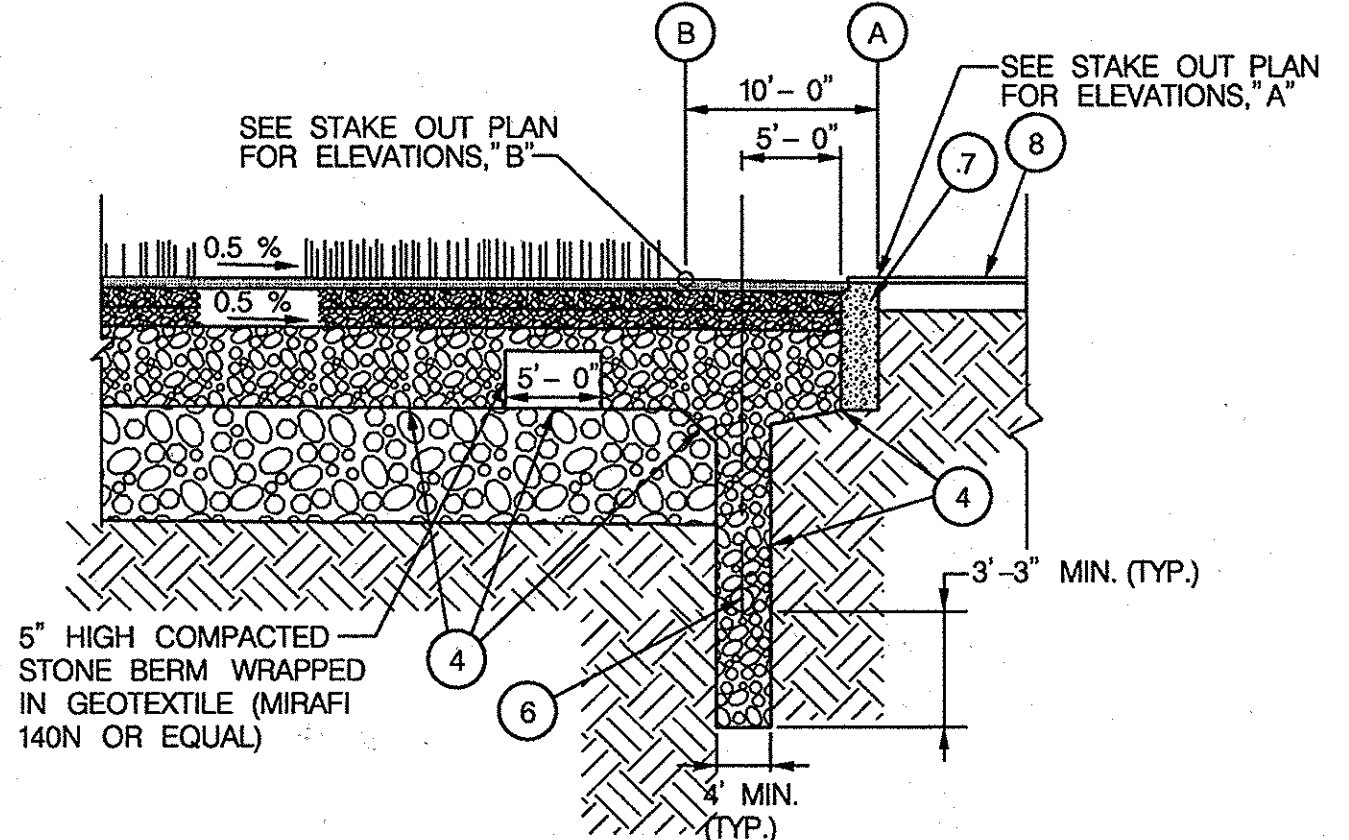
- 1. CUT AN OPENING IN THE EXISTING CONVERTED MANHOLE TO ACCOMMODATE THE NEW PIPE. BRICK AND GROUT (NON-SHRINK) EXISTING OPENINGS AND GROUT NEW PIPE.
- 2. SET FRAME AND COVER TO MEET PROPOSED FINISHED GRADE.
- 3. SEE MARYLAND STANDARD MD-383.31 & 383.32 FOR THE STANDARD TYPE 'A' MANHOLE FRAME AND COVER.
- 4. MANHOLE FRAME AND COVER TO BE PLACED AS SHOWN.
- 5. SEE STAKE-OUT PLAN FOR ELEVATIONS AT POINTS (A), (B), AND (C).



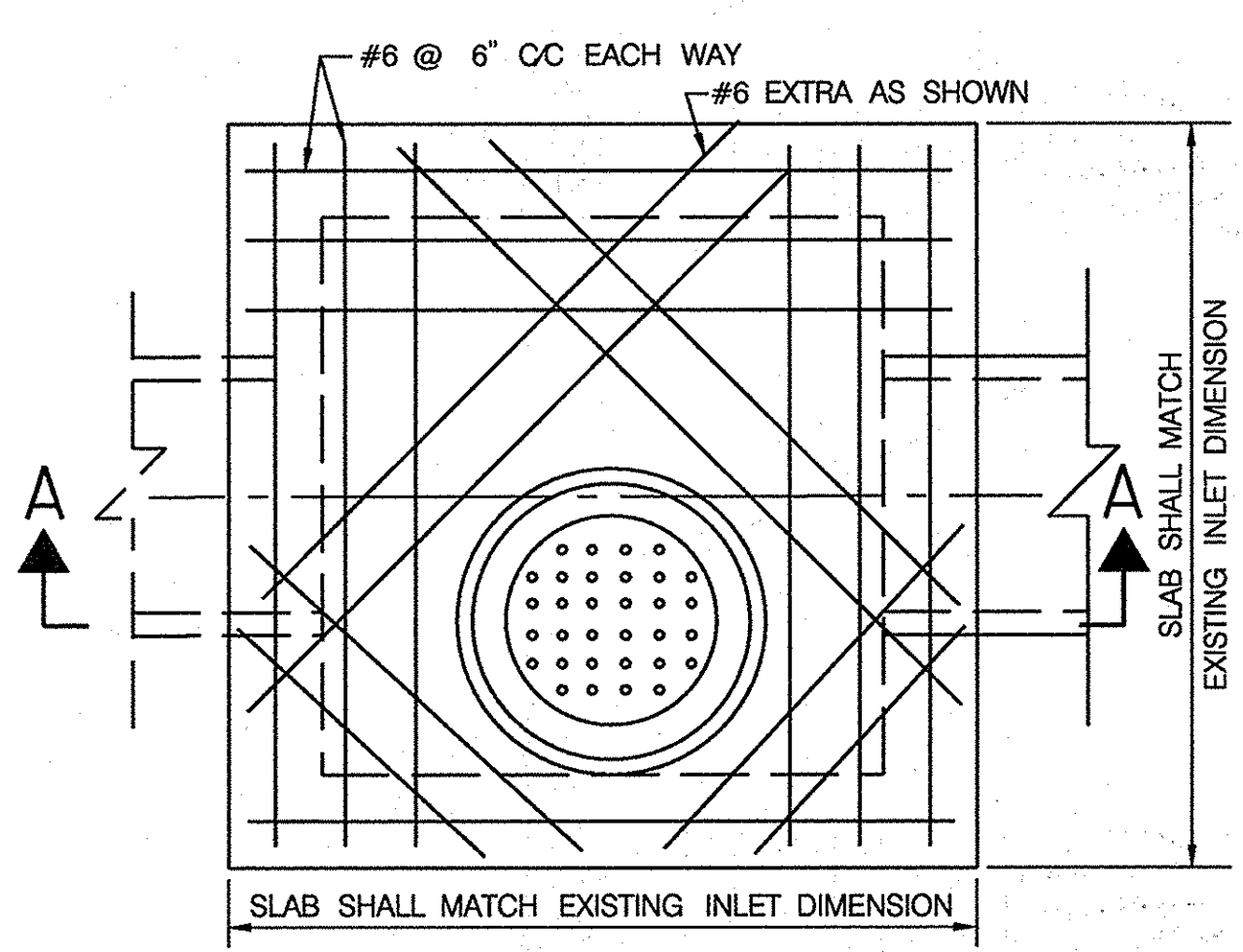
1 FIELD TURF TYPICAL SECTION
16 N.T.S.



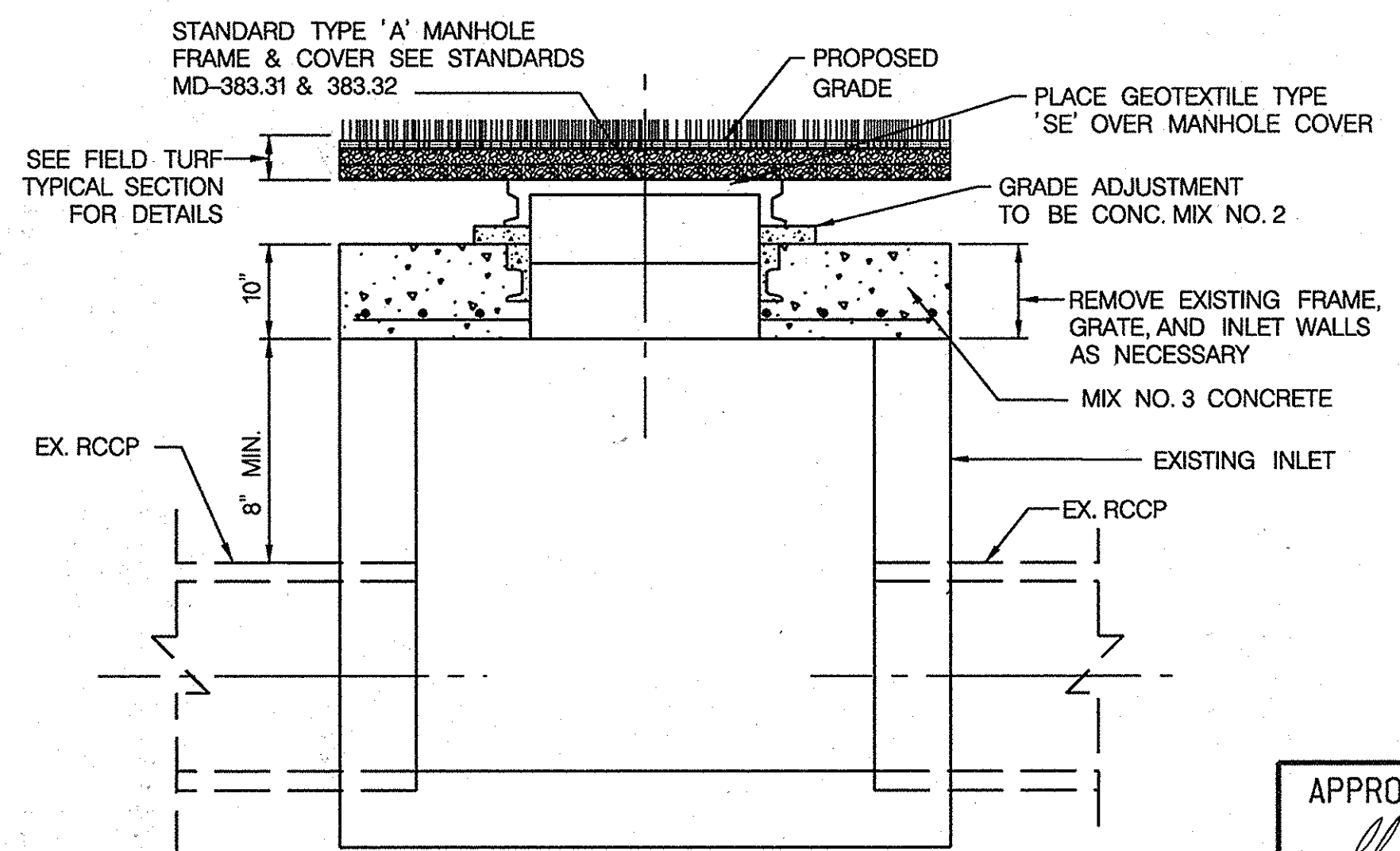
2 NAILER NOTCH
16 N.T.S.



3 "D" SEMI-CIRCLE FIELD TURF TYPICAL SECTION
16 N.T.S.

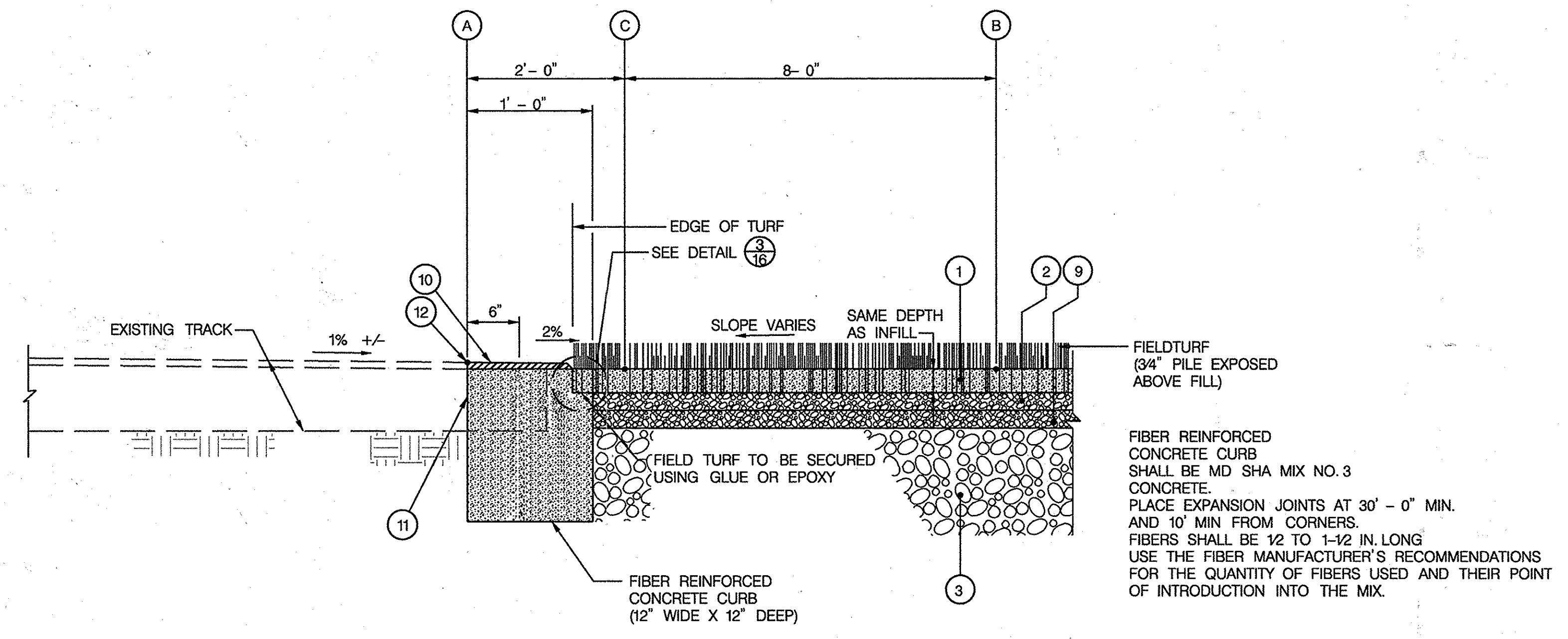


PLAN
NOTE: MANHOLE FRAME AND COVER TO BE PLACED AS SHOWN.



SECTION A-A

GRATE INLET TO MANHOLE CONVERSION
NOT TO SCALE



4 CONCRETE CURB EDGE
16 N.T.S.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 5-11-15
 CHIEF, DEVELOPMENT ENGINEERING DIVISION 4 DATE
 [Signature] 5-26-15
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
 ACTING [Signature] 5-28-2015
 DIRECTOR DATE

PROFESSIONAL CERTIFICATION
 "I HEREBY CERTIFY THAT DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 15156. EXPIRATION DATE: 8/28/2016"

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 HOWARD COUNTY, MARYLAND

ACTING 5/4/15
 DIRECTOR, HOWARD COUNTY RECREATION AND PARKS

ASSISTANT MANAGER, GROUNDS SERVICES,
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM

PREPARED BY
URS
 4 NORTH PARK DRIVE
 HUNT VALLEY, MARYLAND
 TEL: (410) 785-7220



DES:	DMT		
DRN:	CDF		
CHK:	DTM		
DATE:	04/2015	DTM	NEW SHEET
BY:	NO.	REVISION	DATE

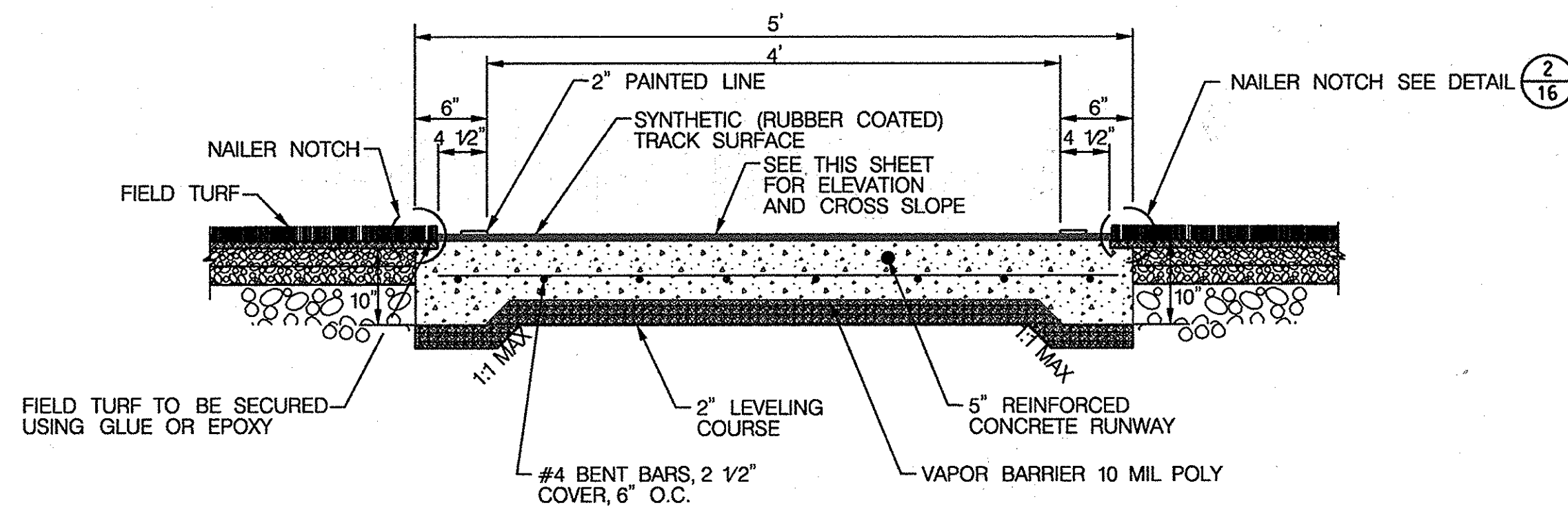
SITE DETAILS I

SCALE MAP NO. _____ BLOCK NO. _____

REVISED SITE DEVELOPMENT PLAN
MT. HEBRON HIGH SCHOOL
FIELD IMPROVEMENTS

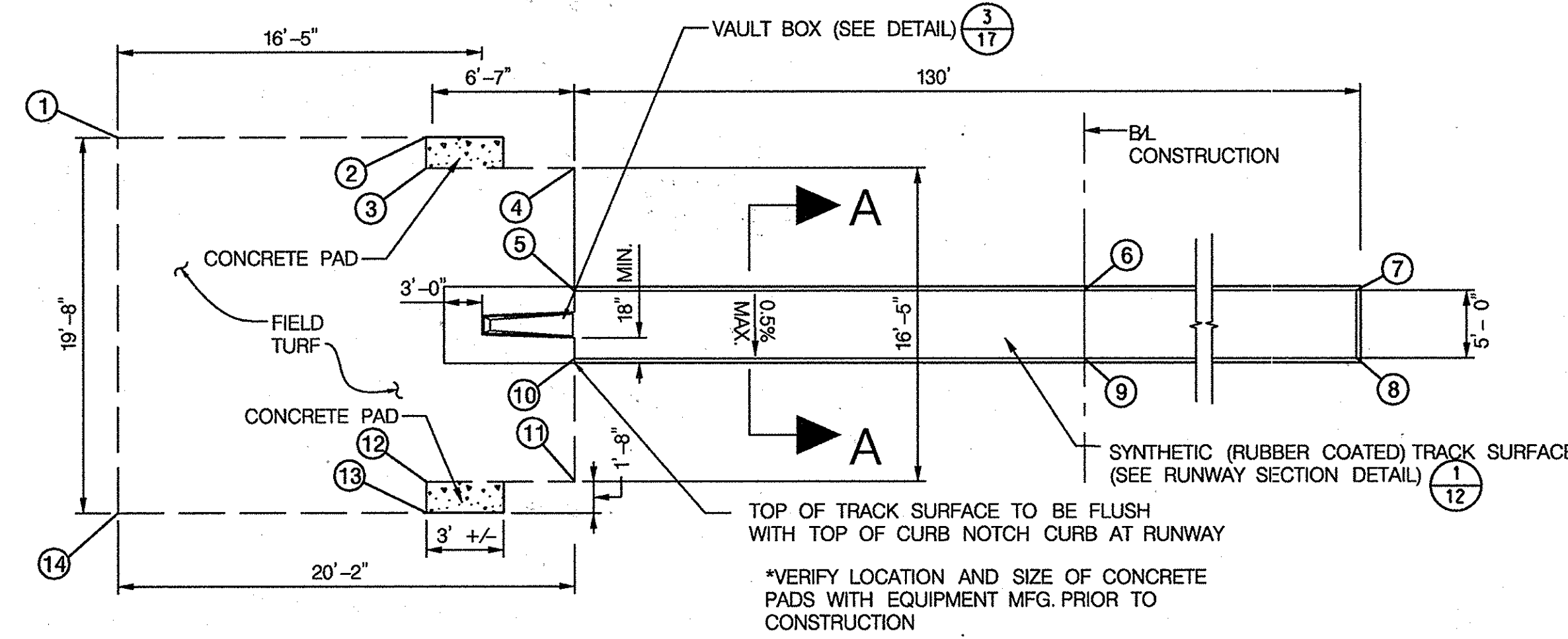
2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 16 OF 21



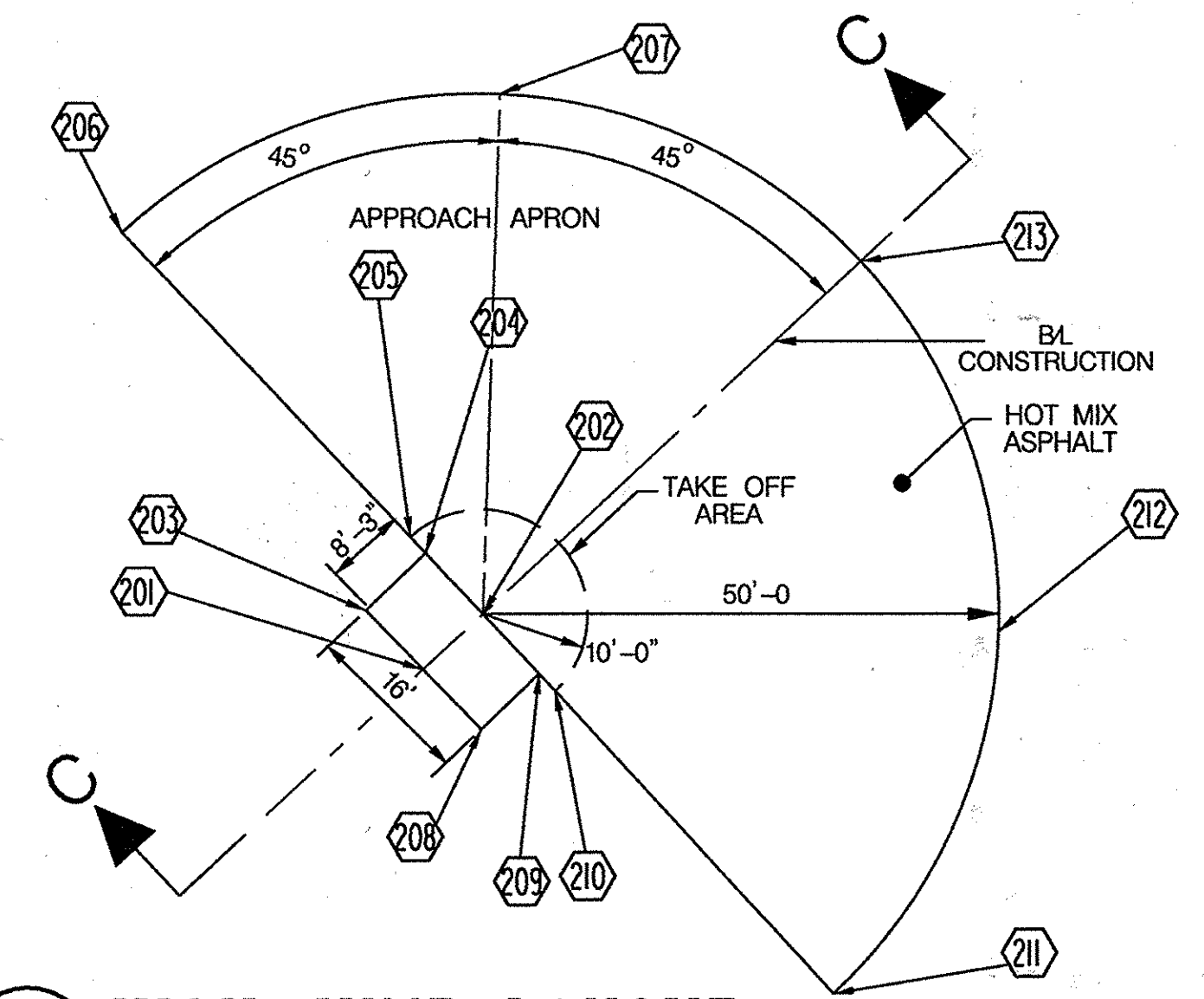
SECTION A-A THRU POLE VAULT RUNWAY

1
17 N.T.S.



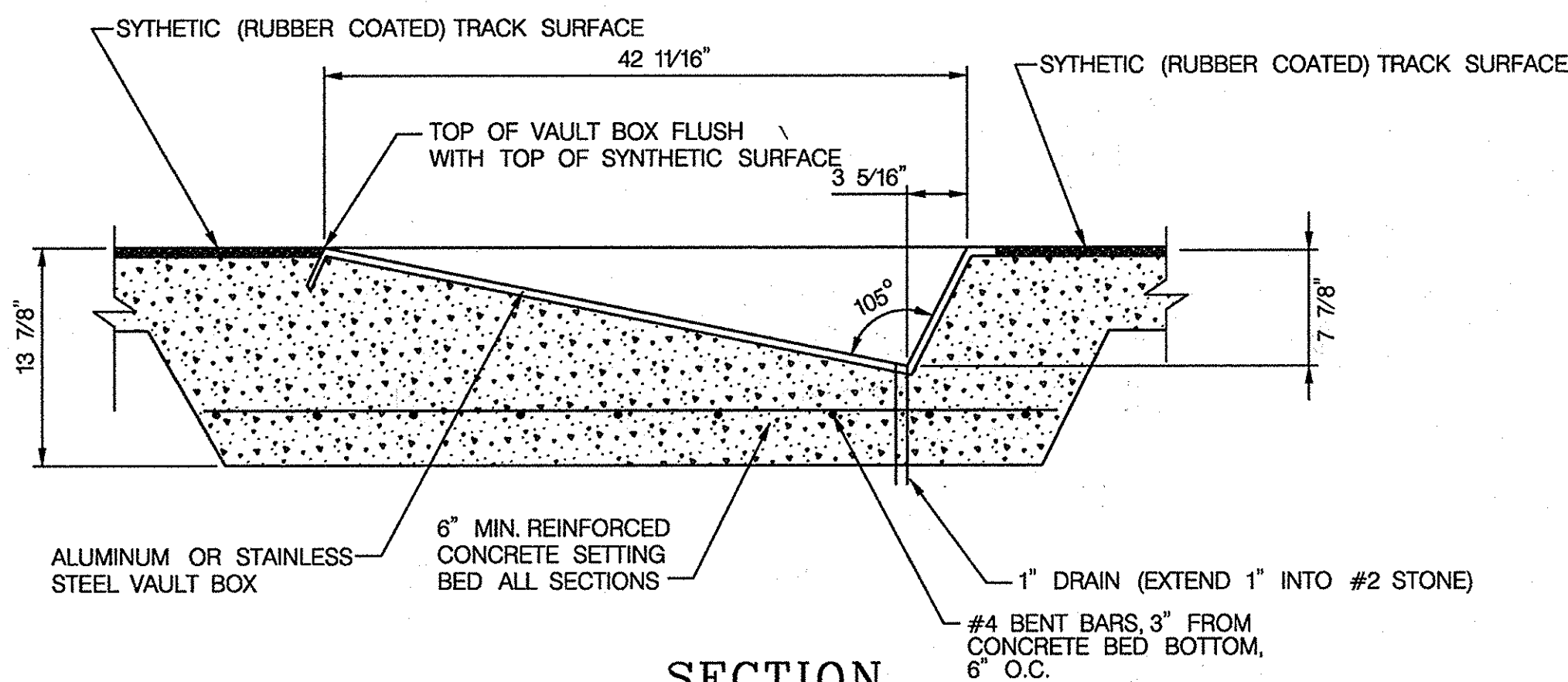
POLE VAULT DETAIL

2
17 N.T.S.



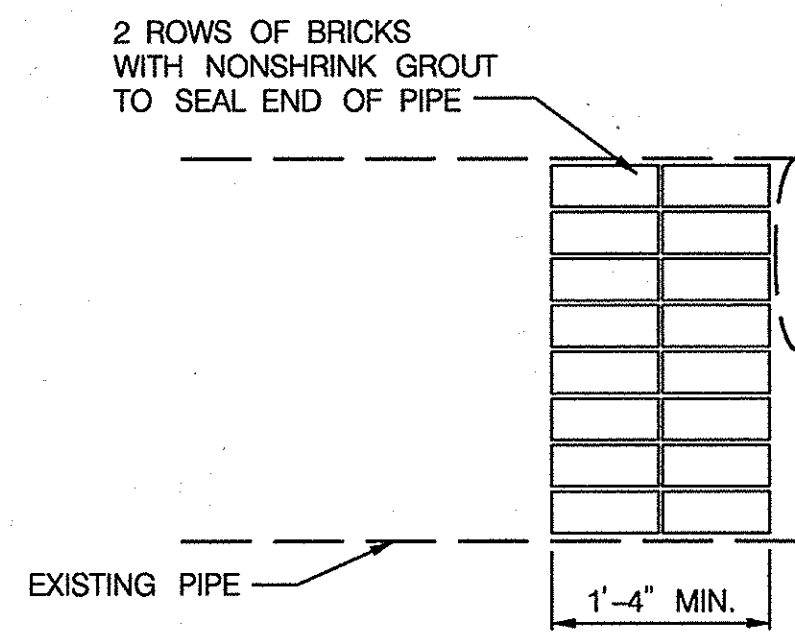
HIGH JUMP LAYOUT

5
17 N.T.S.



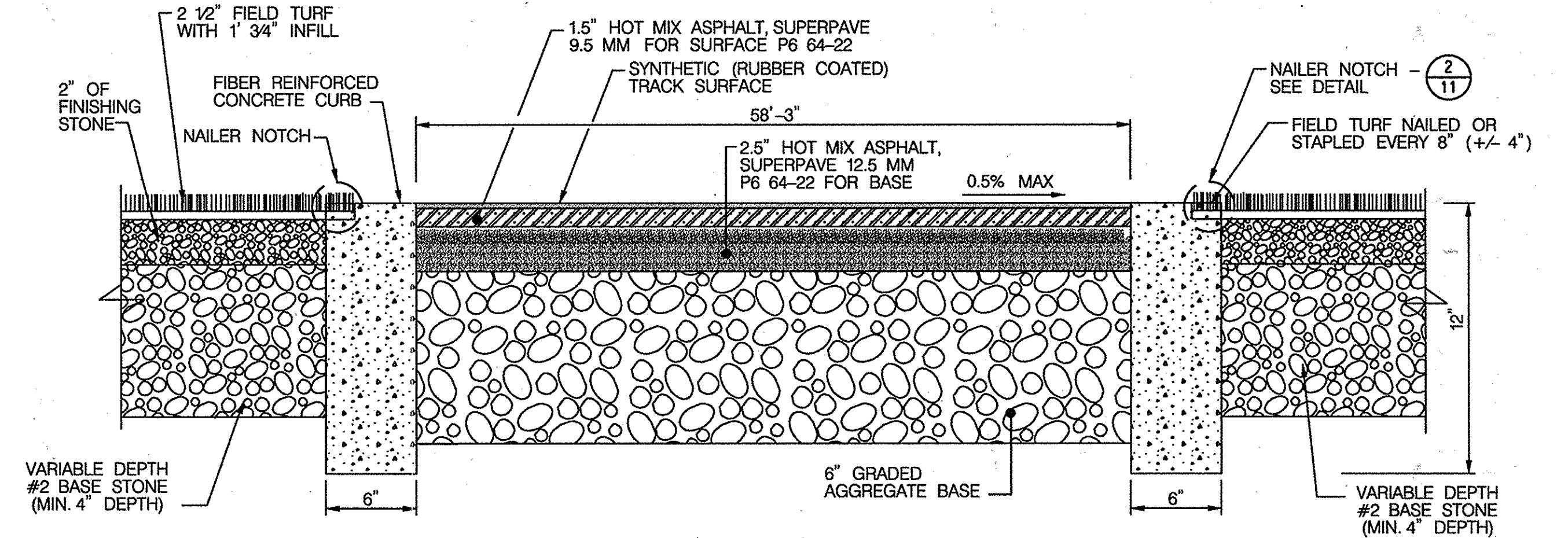
SECTION THROUGH VAULT BOX

3
17 N.T.S.



PERMANENT BULKHEAD EXISTING PIPE

4
17 N.T.S.



SECTION C-C THROUGH HIGH JUMP

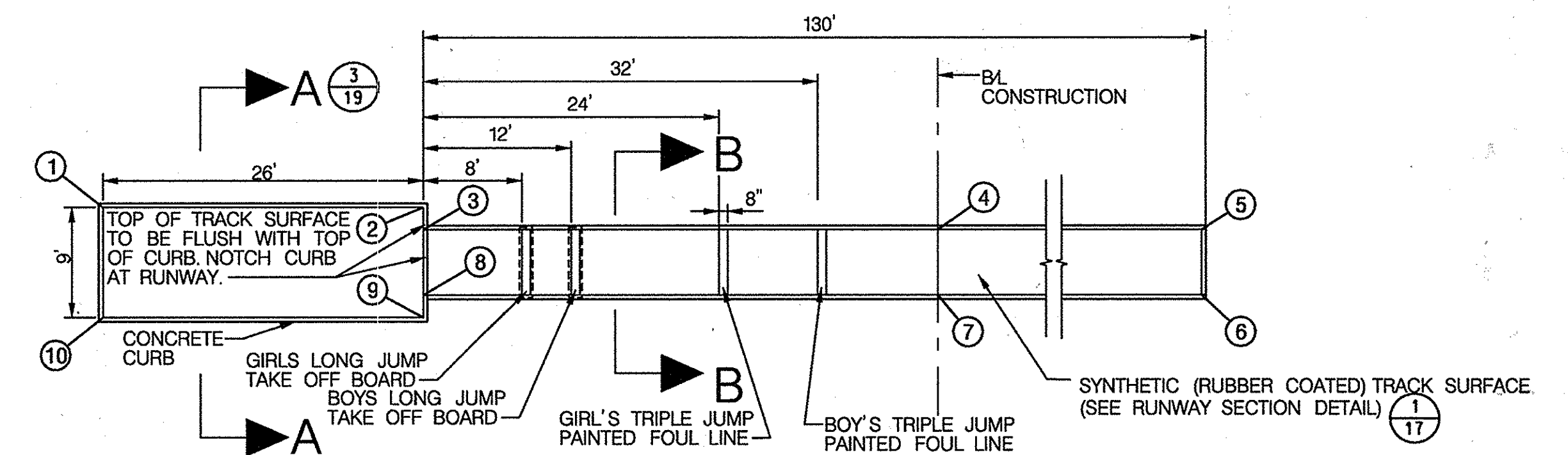
6
17 N.T.S.

POLE VAULT			
POINT	NORTHING	EASTING	ELEVATION
401	595,023.7724	1,357,397.1978	480.67
402	595,011.0732	1,357,398.3349	480.73
403	595,010.9283	1,357,396.7164	480.72
404	595,003.5411	1,357,397.3778	480.76
405	595,003.0320	1,357,391.6922	480.73
406	594,950.3262	1,357,396.4114	481.00
407	594,874.0480	1,357,403.2412	480.62
408	594,873.6021	1,357,398.2611	480.59
409	594,949.8803	1,357,391.4313	480.97
410	595,002.5861	1,357,386.7122	480.70
411	595,002.0771	1,357,381.0266	480.67
412	595,009.4679	1,357,380.4067	480.63
413	595,009.3193	1,357,378.7467	480.62
414	595,022.0185	1,357,377.6096	480.56

HIGH JUMP			
POINT	NORTHING	EASTING	ELEVATION
201	594,986.2561	1,357,797.6934	481.07
202	594,986.9918	1,357,805.9105	481.03
203	594,994.2242	1,357,796.9799	481.03
204	594,994.9599	1,357,805.1971	480.99
205	594,996.9520	1,357,805.0187	480.98
206	595,036.7926	1,357,801.4515	480.78
207	595,025.3593	1,357,837.9720	480.68
208	594,978.2879	1,357,798.4068	481.03
209	594,979.0237	1,357,806.6240	480.99
210	594,977.0317	1,357,806.8023	480.98
211	594,937.1910	1,357,810.3695	480.78
212	594,954.9304	1,357,844.2780	480.68
213	594,991.4509	1,357,855.7113	480.78

LONG/TRIPLE JUMP			
POINT	NORTHING	EASTING	ELEVATION
501	594,873.8303	1,357,416.6946	480.67
502	594,899.7267	1,357,414.3759	480.80
503	594,899.9051	1,357,416.3679	480.81
504	594,951.6979	1,357,411.7305	481.07
505	595,029.3871	1,357,404.7744	480.68
506	595,029.8330	1,357,409.7545	480.71
507	594,952.1438	1,357,416.7106	481.10
508	594,900.3510	1,357,421.3480	480.84
509	594,900.5293	1,357,423.3400	480.85
510	594,874.6329	1,357,425.6587	480.72

NOTE: FIBERS FOR CONCRETE CURBING SHALL BE 1/2 TO 1-1/2 IN. LONG. USE THE FIBER MANUFACTURER'S RECOMMENDATIONS FOR THE QUANTITY OF FIBERS USED AND THEIR POINT OF INTERDUCTION INTO THE MIX.



LONG / TRIPLE JUMP DETAIL

7
17 N.T.S.

- NOTES:
- VARY LOCATION AND SIZE OF CONCRETE PADS WITH EQUIPMENT MFG. PRIOR TO CONSTRUCTION.
 - SEE 17 FOR BASE MATERIAL.
 - WORK POINTS ALONG POLE VAULT RUNWAY ARE APPLIED TO INSIDE LINE.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chad Edmister
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 5-11-15

W. D. DeLoe
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 5-26-15

ACTING DIRECTOR
DATE: 5-28-2015

PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 18156. EXPIRATION DATE: 8/28/2016."

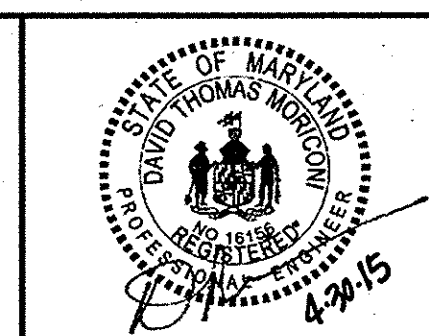
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND

PREPARED BY
URS
4 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
TEL: (410) 785-7220

ACTING DIRECTOR: *5/4/15*
ASSISTANT MANAGER, GROUNDS SERVICES:
HOWARD COUNTY PUBLIC SCHOOL SYSTEM

DES: DMT
DRN: CDF
CHK: DTM
DATE: 04/2015

DTM: NEW SHEET
BY: NO.
REVISION: 4/2015



SITE DETAILS II

SCALE MAP NO. BLOCK NO.

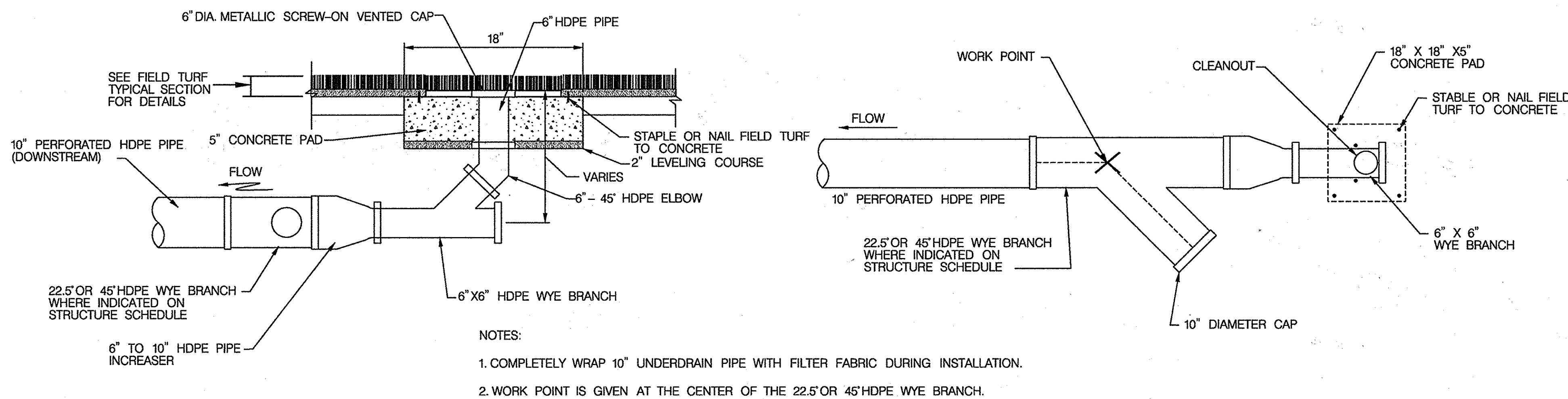
REVISOR: *5/28/2015*

REVISION: 4/2015

REVISED SITE DEVELOPMENT PLAN
MT. HEBRON HIGH SCHOOL
FIELD IMPROVEMENTS

2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 17 OF 21

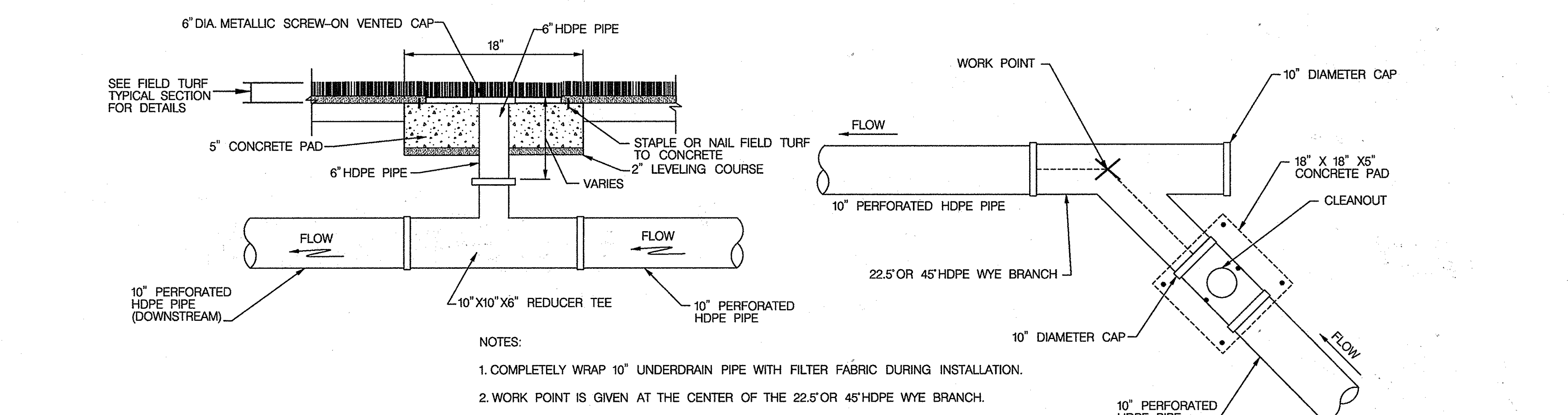


NOTES:
 1. COMPLETELY WRAP 10" UNDERDRAIN PIPE WITH FILTER FABRIC DURING INSTALLATION.
 2. WORK POINT IS GIVEN AT THE CENTER OF THE 22.5" OR 45" HDPE WYE BRANCH.

CLEANOUT / WYE BRANCH DETAIL (C.O.) (ONE DIRECTION)

1A
18

N.T.S.



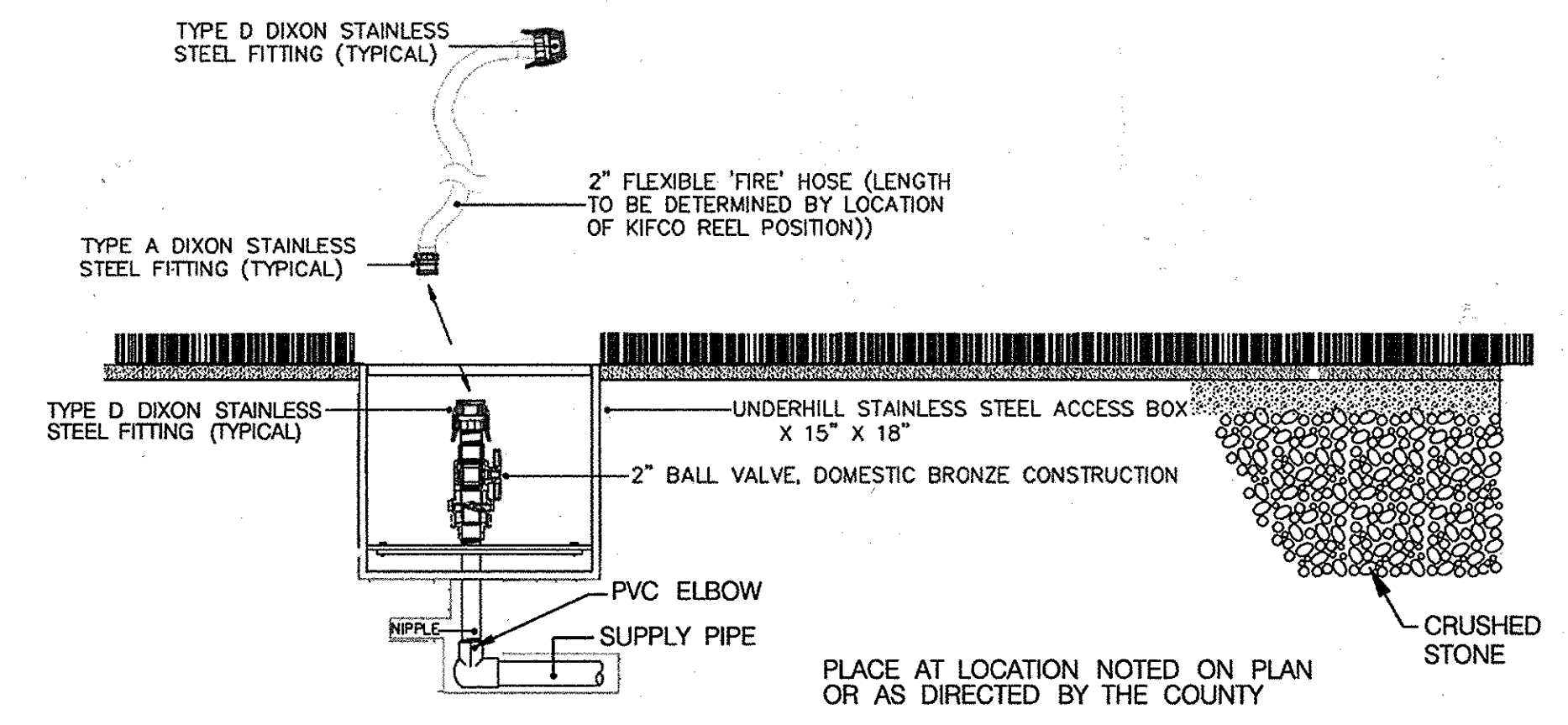
NOTES:
 1. COMPLETELY WRAP 10" UNDERDRAIN PIPE WITH FILTER FABRIC DURING INSTALLATION.
 2. WORK POINT IS GIVEN AT THE CENTER OF THE 22.5" OR 45" HDPE WYE BRANCH.

CLEANOUT / WYE BRANCH DETAIL (C.O.) (BI DIRECTIONAL)

1B
18

N.T.S.

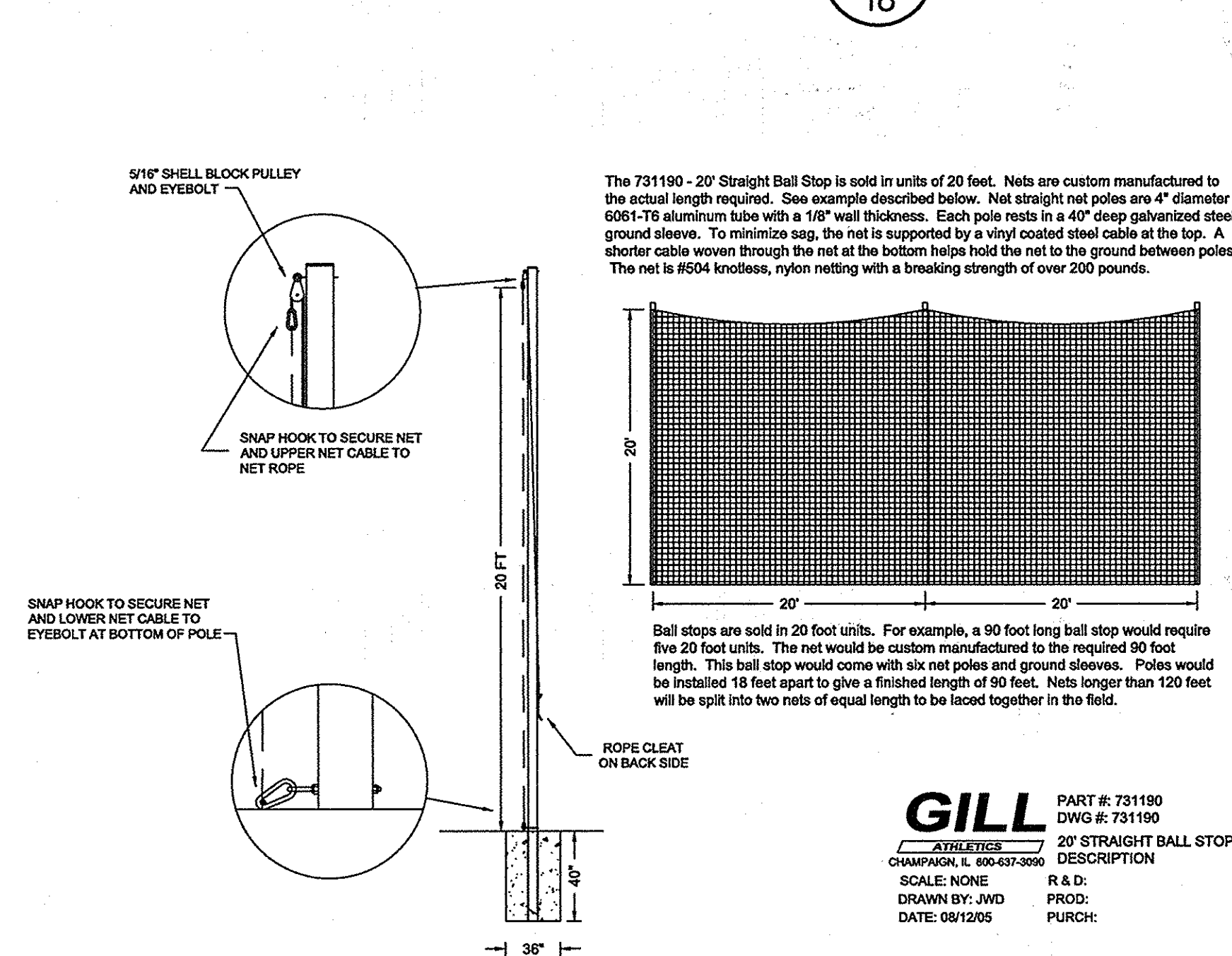
		STRUCTURE SCHEDULE				
		LOCATION POINT				
NO.	NORTHING	EASTING	TYPE	Inv. In	Inv. Out	Top Elev.
CP-1	594,991.8412	1,357,860.1735	10" X 10" FLEX-SEAL RUBBER COUPLING	--	--	480.50
BD-1	595,061.8364	1,357,426.0999	22.5 DEG. BEND	--	--	480.24
BD-2	595,041.2877	1,357,386.8214	22.5 DEG. BEND	--	--	480.25
BD-3	595,009.1795	1,357,359.9905	22.5 DEG. BEND	--	--	480.25
BD-4	594,966.8753	1,357,346.7465	22.5 DEG. BEND	--	--	480.25
BD-5	594,925.1990	1,357,350.4781	22.5 DEG. BEND	--	--	480.19
BD-6	594,885.9206	1,357,371.0268	22.5 DEG. BEND	--	--	480.14
BD-7	594,859.0896	1,357,403.1350	22.5 DEG. BEND	--	--	480.19
BD-8	594,845.8457	1,357,445.4392	22.5 DEG. BEND	--	--	480.21
BD-9	595,092.0327	1,357,763.3466	22.5 DEG. BEND	--	--	480.15
BD-10	595,078.7887	1,357,805.6508	22.5 DEG. BEND	--	--	480.13
BD-11	595,051.9578	1,357,837.7590	22.5 DEG. BEND	--	--	480.16
BD-12	595,012.6793	1,357,858.3077	22.5 DEG. BEND	--	--	480.18
BD-13	594,971.0030	1,357,862.0393	22.5 DEG. BEND	--	--	480.18
BD-14	594,928.6988	1,357,848.7953	22.5 DEG. BEND	--	--	480.11
BD-15	594,896.5906	1,357,821.9644	22.5 DEG. BEND	--	--	480.16
BD-16	594,876.0419	1,357,782.6859	22.5 DEG. BEND	--	--	480.27
MH-1	594,919.1282	1,357,366.8350	STANDARD 4 FT. CIRCULAR MANHOLE (STD. MD-383.21)	473.89 / 474.47	473.69	480.70



2 WATER REEL CONNECTION DETAIL

18

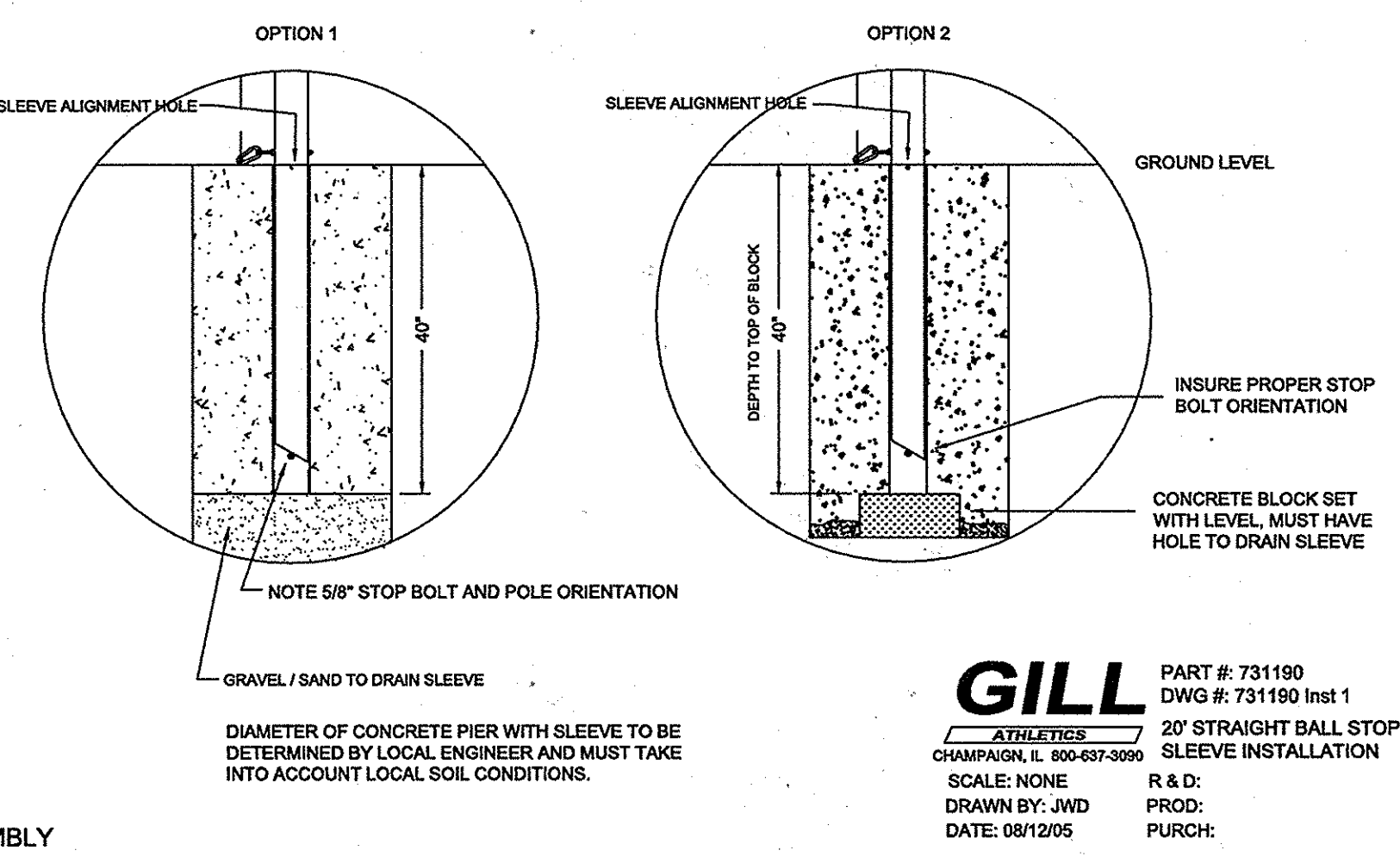
N.T.S.



GROUND SLEEVE INSTALLATION

NOTE: The proper orientation of the 5/8" sleeve stop bolt determines the proper orientation of the net pole. Each sleeve has a 1/4" through hole at the top edge through which string could be tied as a visible reference to help insure proper alignment.

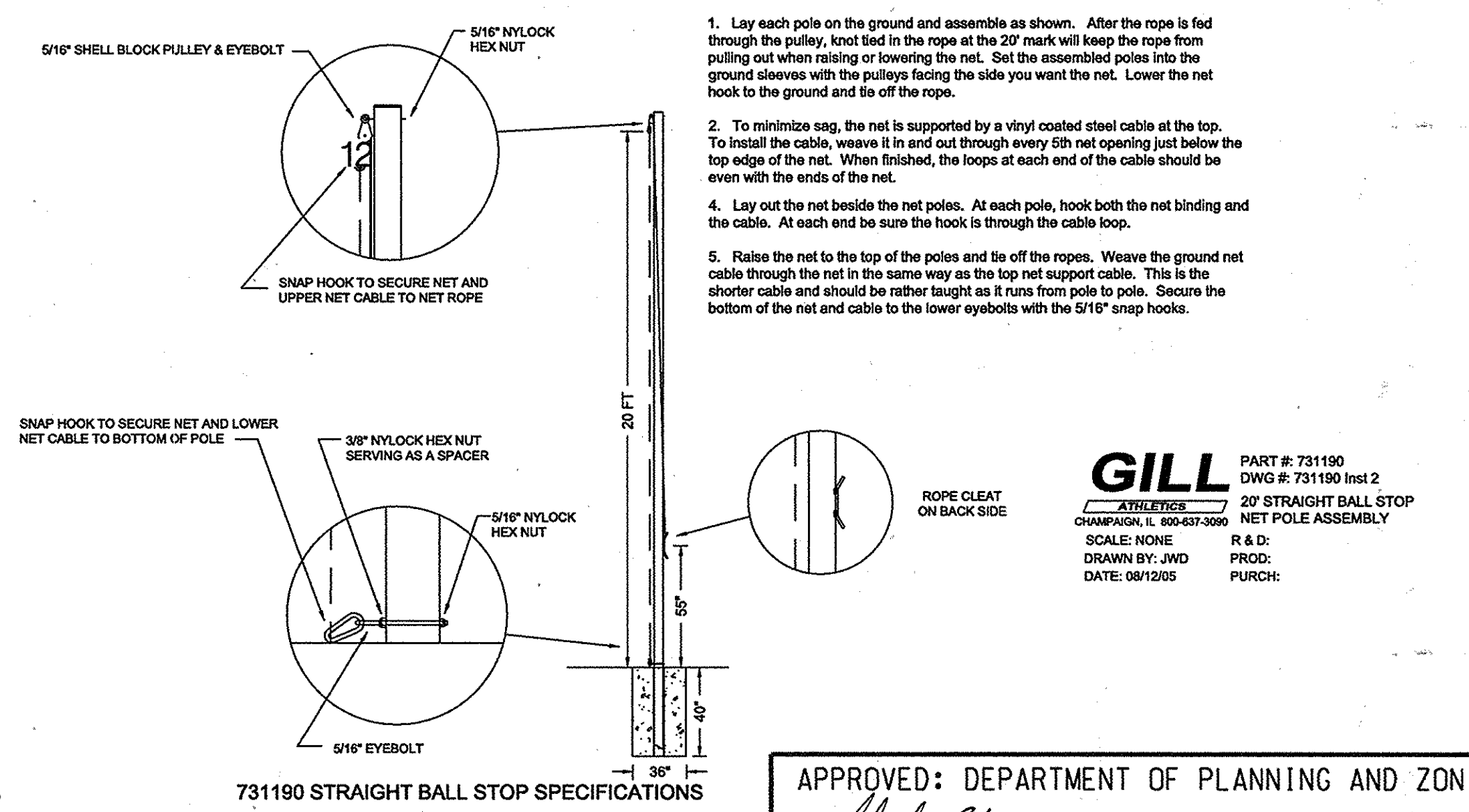
1. Dig holes for sleeves at staked locations. Size of holes are dependent on equipment used and must take into account soil conditions to support the poles.
2. Position and level gravel or a concrete block at the bottom of the hole so that the sleeve opening rests at the proper height at the surface.
3. Fix and support the sleeve in position with wire and/or sections of rebar to prevent sleeve movement during the concrete pour.
4. During the concrete pour, insure the alignment holes at the top opening of the sleeve remain properly aligned. These holes help orient the pole alignment pins at the bottom of the sleeves.



3 SAFETY NETTING DETAILS

18

N.T.S.



PROFESSIONAL CERTIFICATION
 "I HEREBY CERTIFY THAT DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 16156. EXPIRATION DATE: 8/28/2016."

GILL PART #: 731190
 DWG #: 731190 Inst 2
 20' STRAIGHT BALL STOP NET POLE ASSEMBLY
 SCALE: NONE
 DRAWN BY: JWD
 DATE: 08/12/05
 PROD: PURCH:

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division
 Chief, Division of Land Development
 Director

5-11-15
 5-26-15
 5-28-2015

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 HOWARD COUNTY, MARYLAND

PREPARED BY
URS
 4 NORTH PARK DRIVE
 HUNT VALLEY, MARYLAND
 TEL: (410) 785-7220

DATE: 5/4/15
 DATE: 5/4/15

DES: DMT
 DRN: CDF
 CHK: DTM
 DATE: 04/2015

DTM
 NEW SHEET
 4/2015

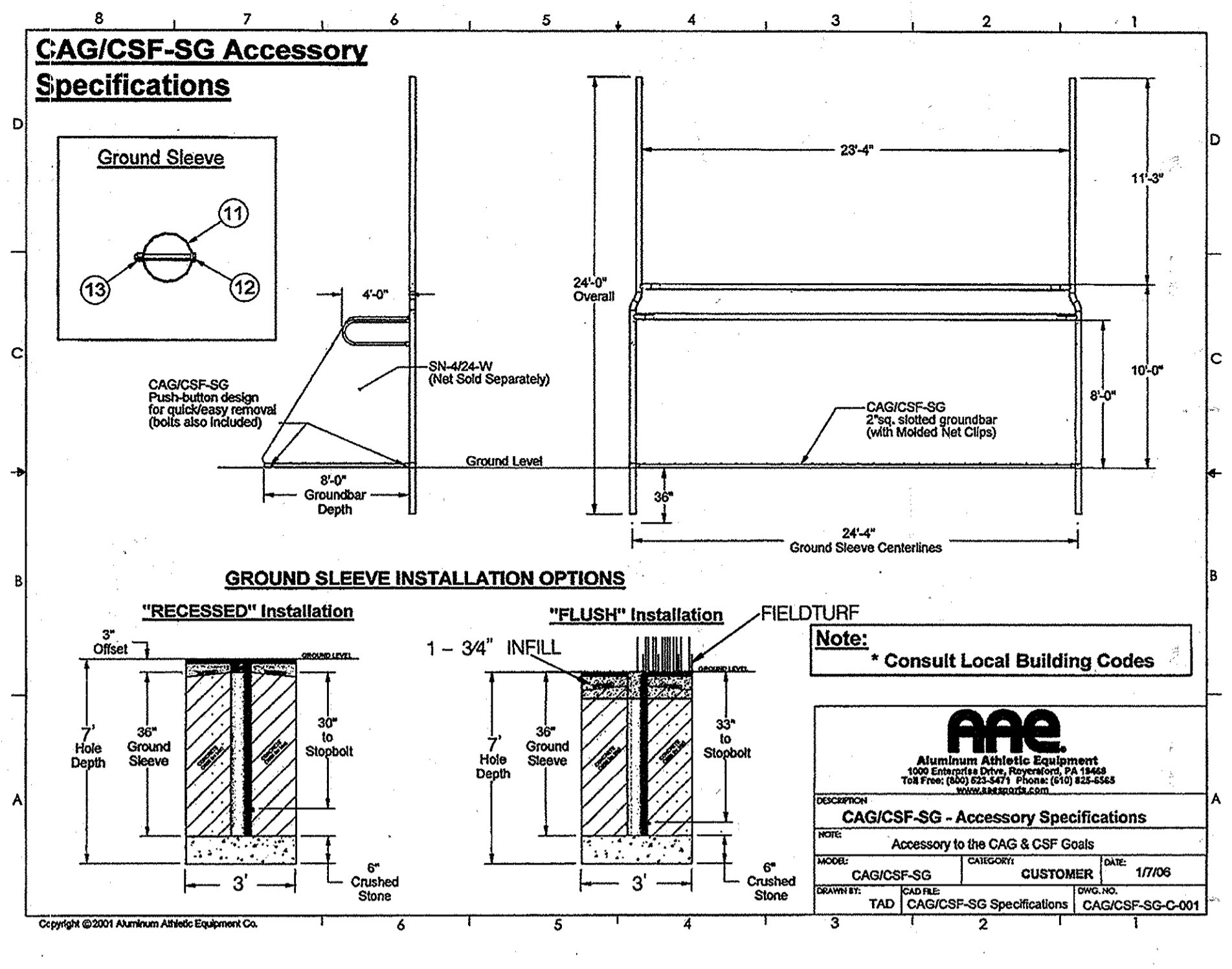
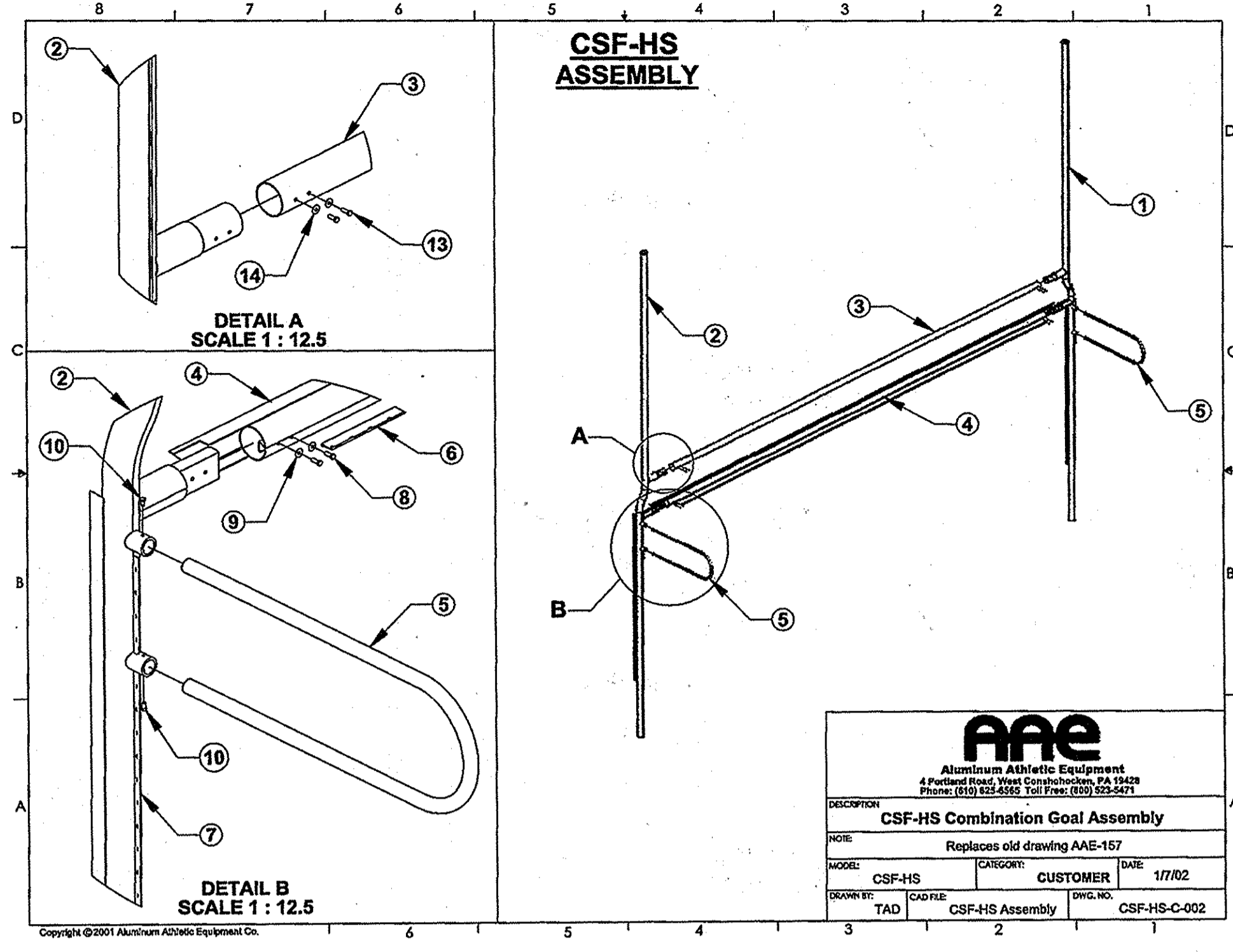
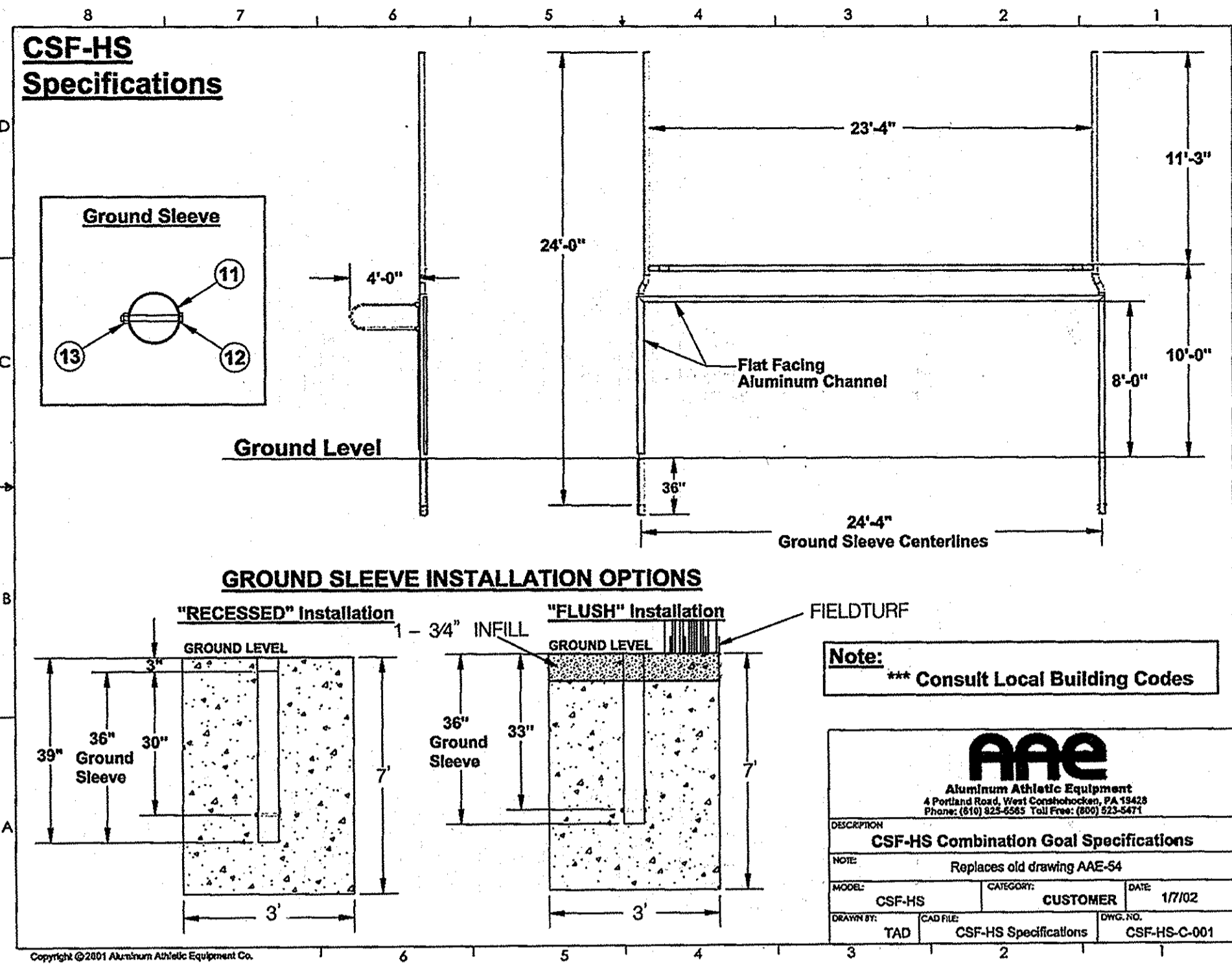
SCALE MAP NO. BLOCK NO.

REVISION

SITE DETAIL III

REVISED SITE DEVELOPMENT PLAN
 MT. HEBRON HIGH SCHOOL
 FIELD IMPROVEMENTS
 2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 18 OF 21



1 COMBINATION GOAL SPECIFICATIONS
19 N.T.S.

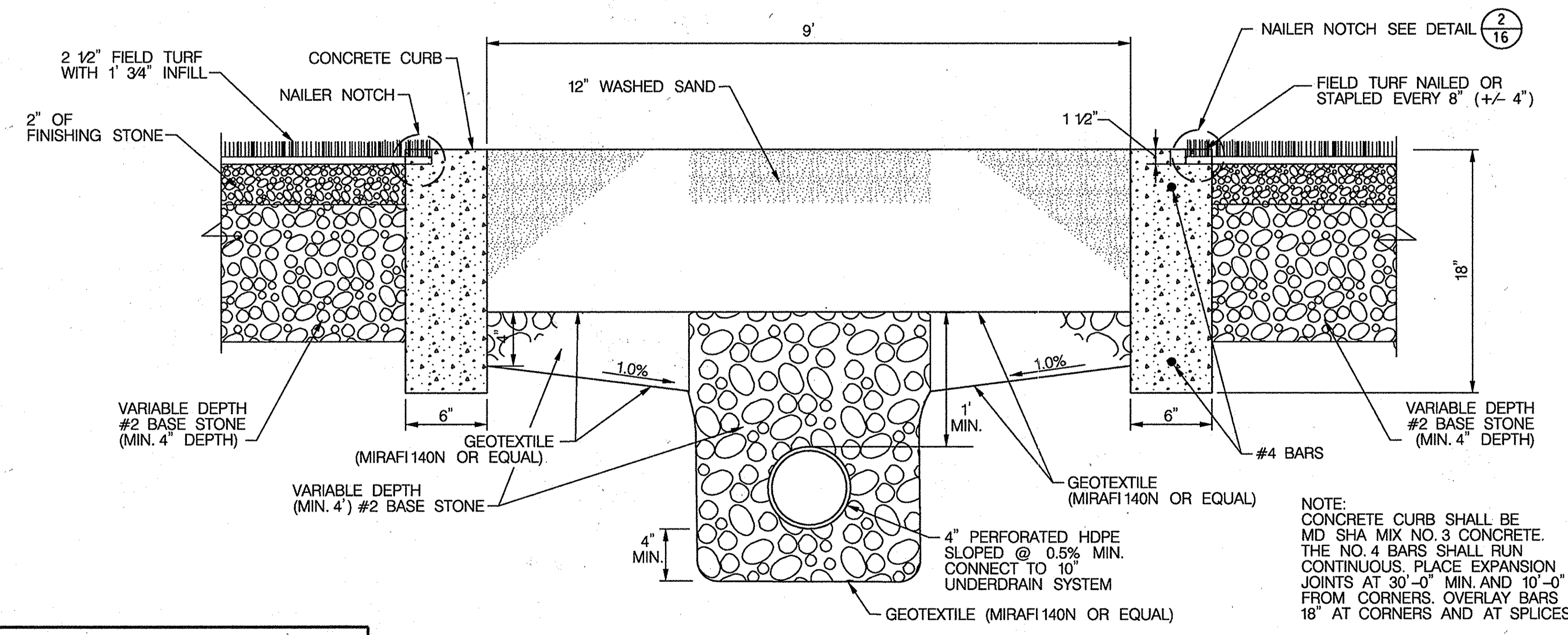
2 GROUND BAR ATTACHMENT DETAILS
19 N.T.S.

CAG-HS/CSF-HS HIGH SCHOOL COMBINATION GOALS PARTS LIST

Part#	Item	Description	Qty.
1	Upright, LH	4.00 o.d. x .226 x 24' - aluminum extrusion.	2
*1A			
2	Upright, RH	4.00 o.d. x .226 x 24' - aluminum extrusion.	2
3	Crossbar (Football)	4.00" o.d. x .125 x 22'- 4" 6061T6 - aluminum tube.	2
4	Crossbar (Soccer)	4.00" o.d. x .125 x 23'-0" - aluminum extrusion.	2
5	ISA Stay	International Net Stay, 1.688" o.d. x .125 x 43", 17" arc, 6061T6 aluminum.	4
6	PVC	PVC Net attachment extrusion, 22'-2" lg.	2
7	PVC	PVC Net attachment extrusion, 7'-6" lg.	4
8	Bolt	3/8"-16 x 1" stainless steel hex bolt	16
9	Washer	3/8 washer, SS	16
10	Bolt	3/8"-16 x 5/8" stainless steel hex bolt	8
11	Ground Sleeve	4.35" o.d. x .100 x 30" 6061T6 aluminum tube.	4
12	Stopbolt	1/2"-13 x 5" steel hex bolt, plated	4
13	Stopbolt Nut	1/2"-13 steel hex nut, plated	4

NOTE: GOAL POSTS SHALL BE WHITE IN COLOR.

K:\AAE Data\Product Instructions & Parts Lists\CAG-HS\CAG-HS & CSF-HS Parts List.doc
Copyright © 2001 Aluminum Athletic Equipment Co.



3 SECTION A-A JUMP PIT DETAIL
19 N.T.S.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Paul Glendon
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 5-11-15

Kevin S. ...
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 5-26-15

Acting N. A. ...
DIRECTOR
DATE: 5-28-2015

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 161556 EXPIRATION DATE: 8/28/2016

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND

ACR:JA 5/11/15
DIRECTOR, HOWARD COUNTY RECREATION AND PARKS

Quincy ... 5/14/15
ASSISTANT MANAGER, GROUNDS SERVICES, HOWARD COUNTY PUBLIC SCHOOL SYSTEM

PREPARED BY
URS
4 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
TEL: (410) 785-7220



DES:	DMT				
DRN:	CDF				
CHK:	DTM				
DATE:	04/2015	DTM	NEW SHEET	4/2015	
BY:	NO.	REVISION		DATE	

SITE DETAILS IV

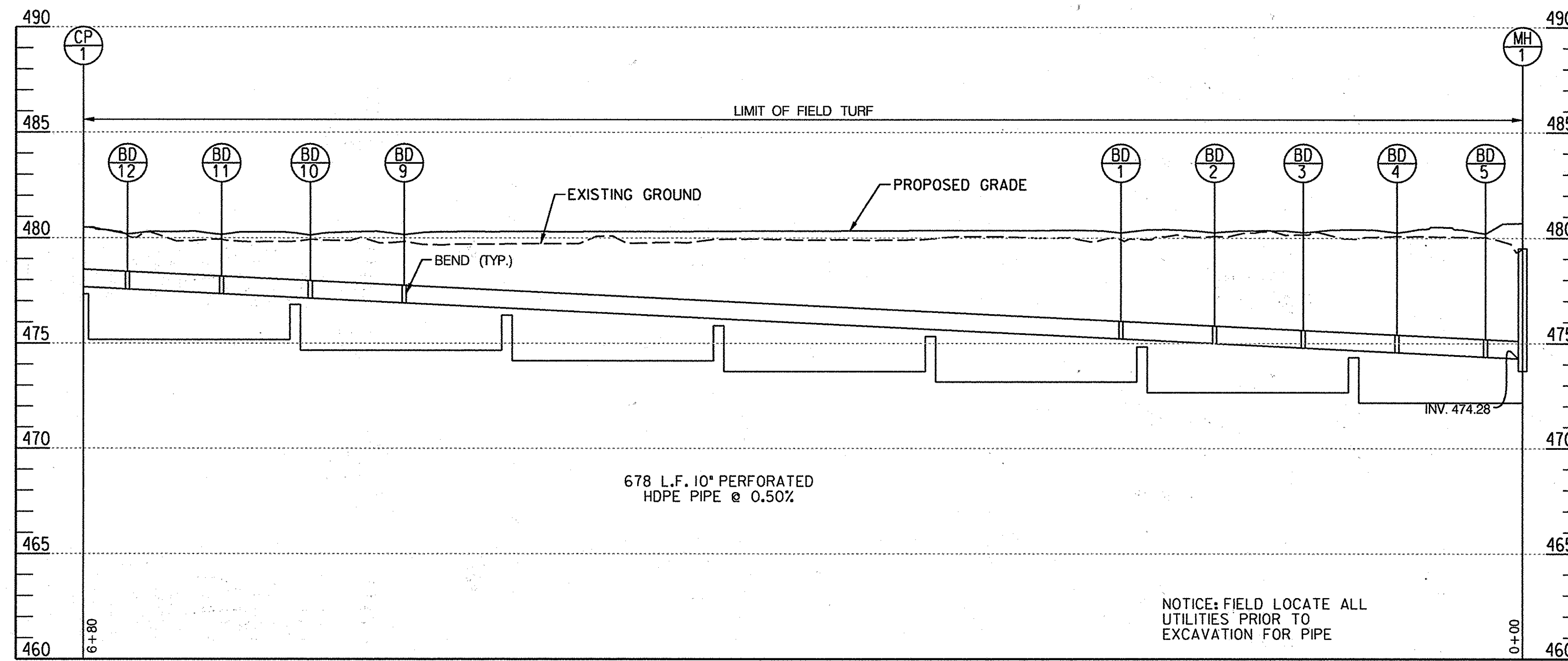
SCALE MAP NO. BLOCK NO.

REVISED SITE DEVELOPMENT PLAN
MT. HEBRON HIGH SCHOOL
FIELD IMPROVEMENTS

2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

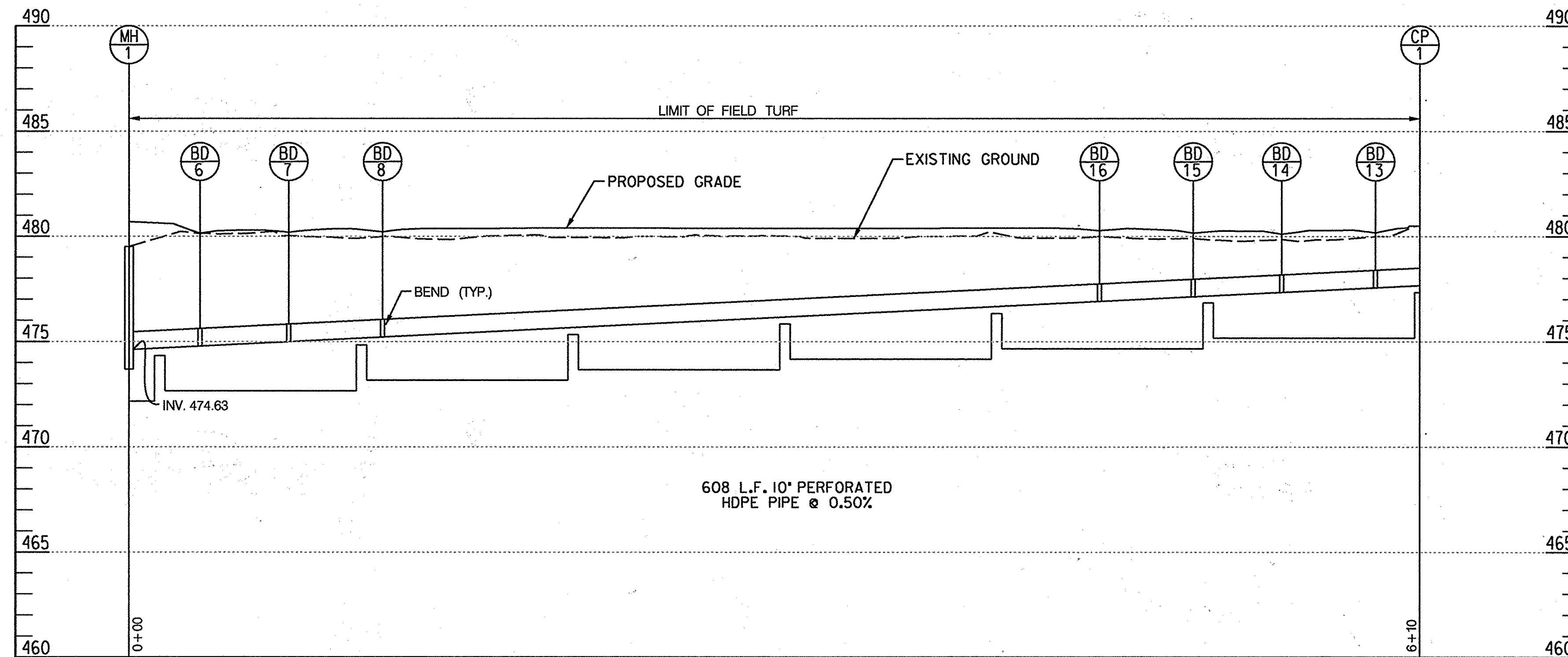
SCALE AS SHOWN

SHEET 19 OF 21



PIPE PROFILE (STA. 101+44, LT. TO STA. 106+58, LT.)

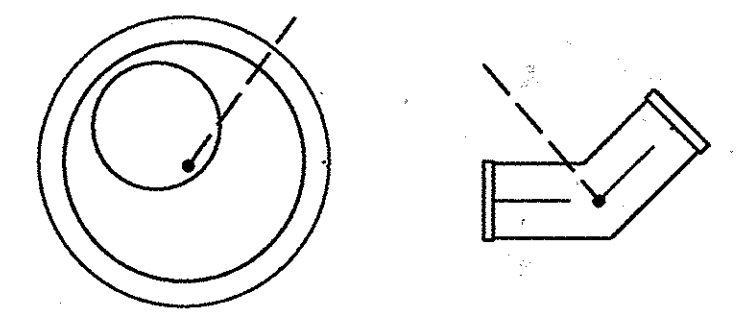
SCALE: HORZ. 1"=40'
VERT. 1"=4'



PIPE PROFILE (STA. 101+44, RT. TO STA. 106+58, RT.)

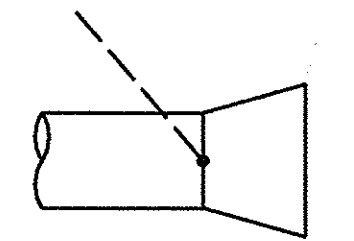
SCALE: HORZ. 1"=40'
VERT. 1"=4'

LOCATION POINT



MANHOLE

BEND



END SECTION

NOTE:
SEE SHEET NO.13 FOR STRUCTURE SCHEDULE.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chad Edmister
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 5-11-15

Kevin Stelmach
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 5-26-15

ACTING: W. A. Mackay Jr.
DIRECTOR
DATE: 5-28-2015

PROFESSIONAL CERTIFICATION

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HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND

5/14/15
DIRECTOR, HOWARD COUNTY RECREATION AND PARKS

5/14/15
ASSISTANT MANAGER, GROUNDS SERVICES, HOWARD COUNTY PUBLIC SCHOOL SYSTEM

PREPARED BY
URS
4 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
TEL: (410) 785-7220



DES:	DMT				
DRN:	CDF				
CHK:	DTM				
DATE:	04/2015	DTM	NEW SHEET	4/2015	
BY:	NO.		REVISION	DATE	

PIPE PROFILES

REVISED SITE DEVELOPMENT PLAN
MT. HEBRON HIGH SCHOOL
FIELD IMPROVEMENTS

2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

SCALE
AS SHOWN

SHEET
20 OF 21

B-4.2 STANDARDS AND SPECIFICATIONS

FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS
Definition: The process of preparing the soils to sustain adequate vegetative stabilization.
Purpose: To provide a suitable soil medium for vegetative growth.

- 1. Temporary Stabilization
a. Seeded preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment...
b. Apply fertilizer and lime as prescribed on the plans.
c. Incorporate lime and fertilizer into the top 3 to 5 inches of soil by disking or other suitable means.

B-4.3 STANDARDS AND SPECIFICATIONS

FOR SEEDING AND MULCHING
Definition: The application of seed and mulch to establish vegetative cover.
Purpose: To prevent disturbed soils from erosion during and at the end of construction.

- 1. Specifications
a. All seed must meet the requirements of the Maryland Seed Law. All seed must be subject to germination testing...
b. Mulch shall also be applied between the fall and spring seedings...
c. Inoculation: The inoculant for treating legume seed in the seed mixtures must be a pure culture of nitrogen fixing bacteria...
d. Soil or seed must not be placed on soil which has been treated with soil sterilants or chemicals...

B-4.4 STANDARDS AND SPECIFICATIONS

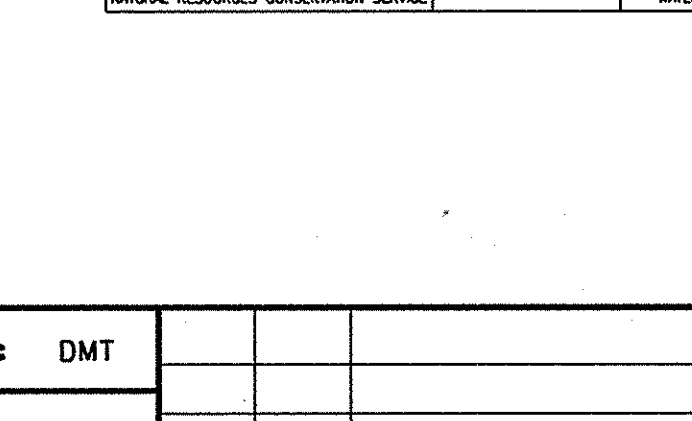
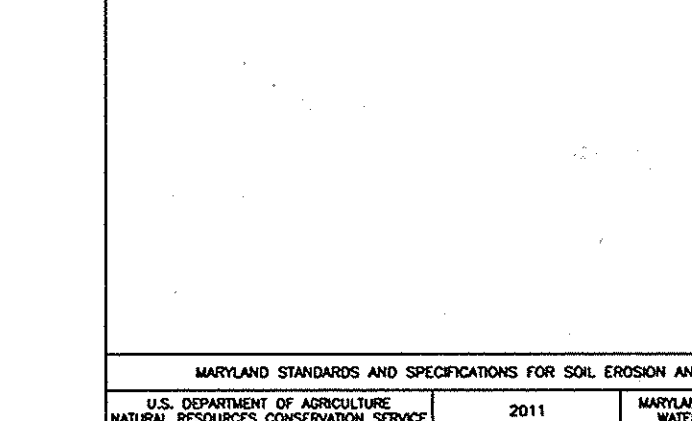
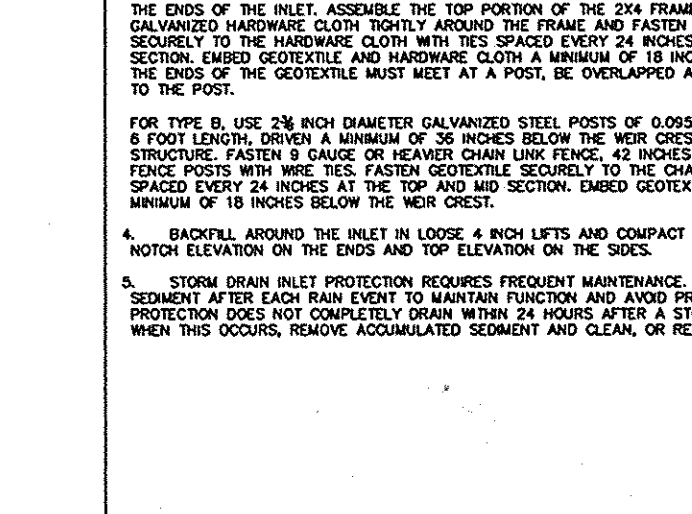
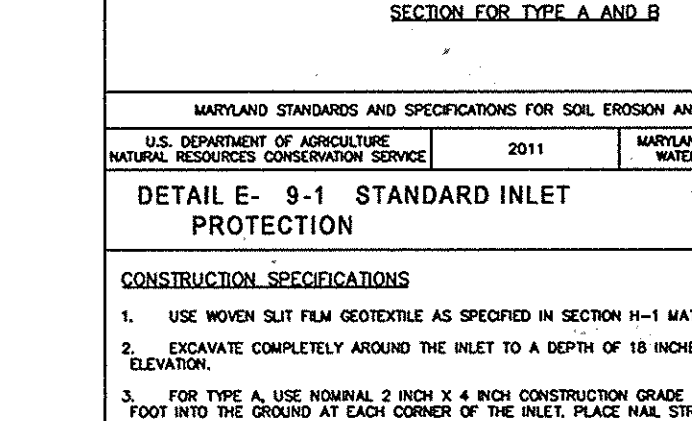
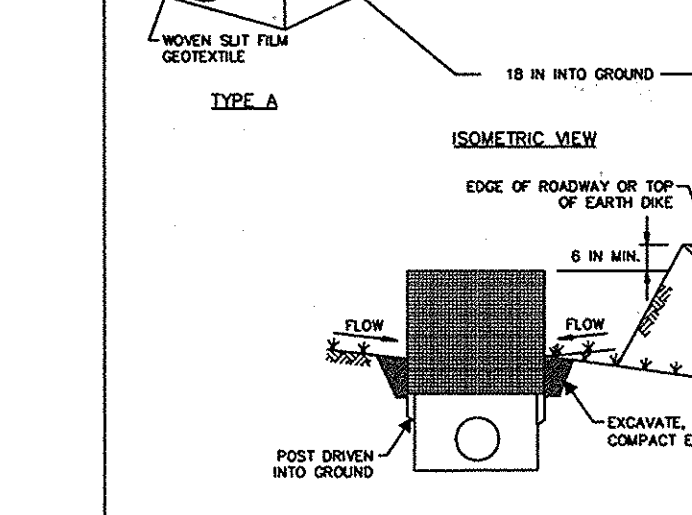
FOR PERMANENT STABILIZATION
Definition: To stabilize disturbed soils with permanent vegetation.
Purpose: To use long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils.

- 1. General Use
a. Select one or more of the species or mixtures listed in Table B.1 for the appropriate Plant Hardiness Zone...
b. Additional planting specifications for exceptional sites such as shadings, stream banks, or dunes...
c. For sites having disturbed low maintenance, apply areas from fertilizer (40-0-0) at 1/2 pound per 1000 square feet...
d. Turfgrass Mixtures
i. Kentucky Bluegrass: Full Sun Mixture: For use in areas that receive intensive management...

B-4.4 STANDARDS AND SPECIFICATIONS

TEMPORARY STABILIZATION
Definition: To stabilize disturbed soils with vegetation for up to 6 months.
Purpose: To use fast growing vegetation that provides cover on disturbed soils.

Table with 5 columns: No., Species, Application Rate (lb/acre), Seeding Dates, Seeding Depth, Fertilizer Rate (lb/1000 sq ft), Lime Rate (lb/1000 sq ft). Rows include FORTAL MILLET and PEARL MILLET.



SEQUENCE OF CONSTRUCTION - GENERAL NOTES

- 1. THE CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AT (410) 489-7987 AT LEAST SEVEN (7) DAYS PRIOR TO ANY EARTH DISTURBANCE TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE INSPECTOR.
2. UTILITIES AND STORM DRAINS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS ARE FOR THE GUIDANCE OF THE CONTRACTOR ONLY.
3. THE EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONING PRIOR TO CLEARING THE ENTIRE SITE CLEAR AND GRUB FOR EROSION AND SEDIMENT CONTROL MEASURES OR DEVICES ONLY ON COMMENCEMENT OF CONSTRUCTION.

SEDIMENT CONTROL-GENERAL NOTES

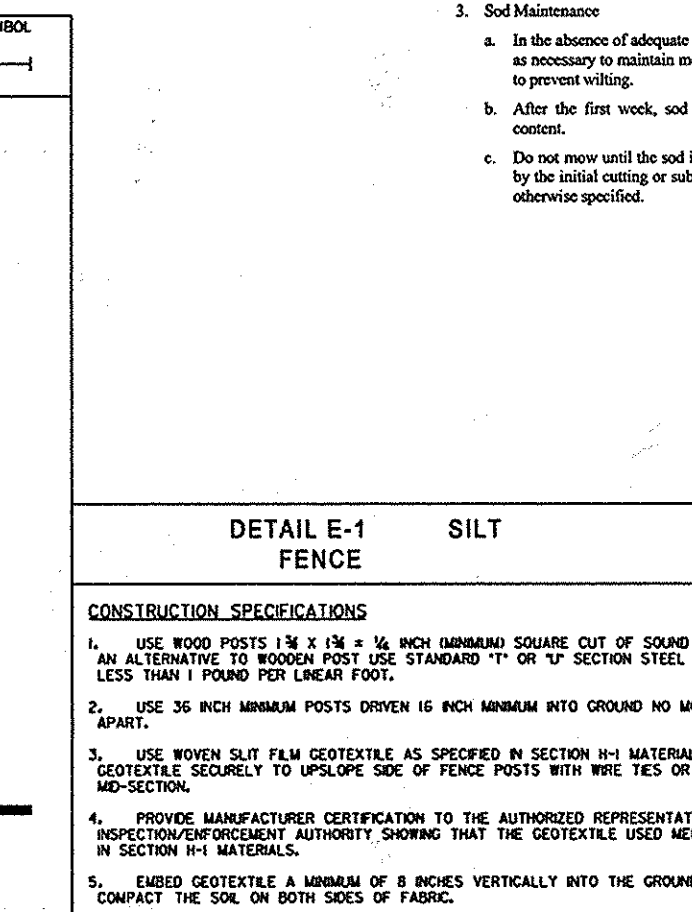
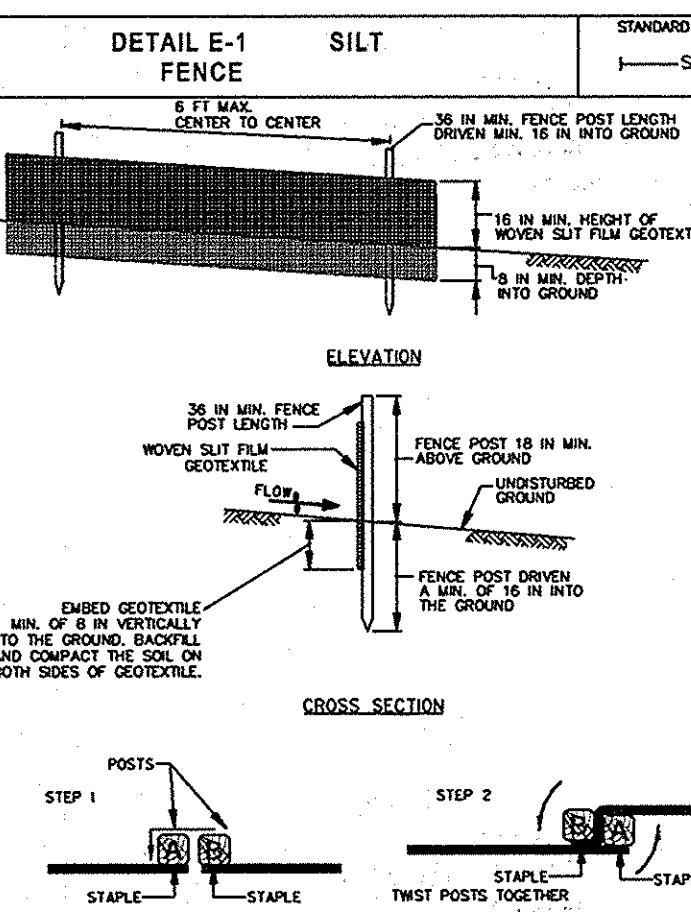
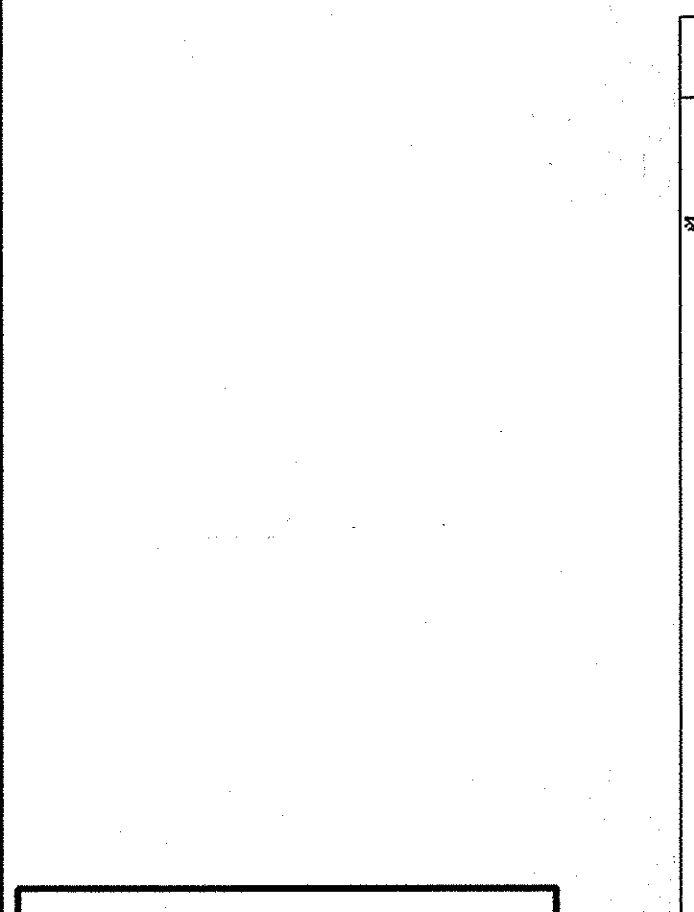
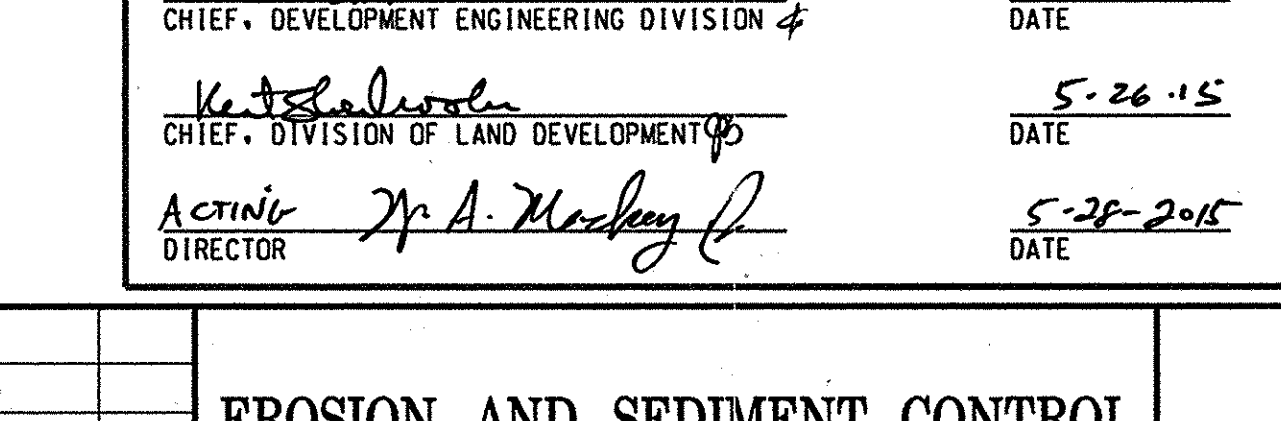
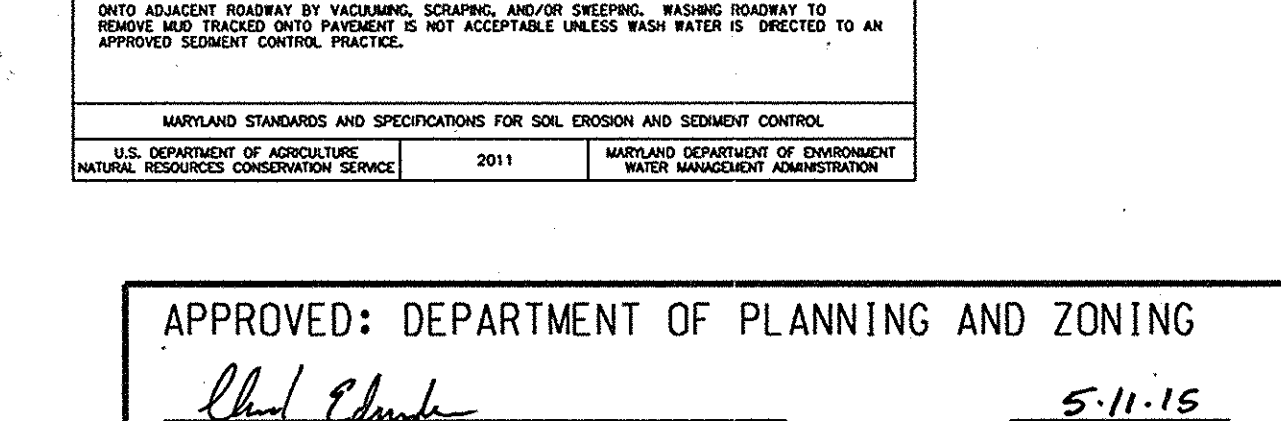
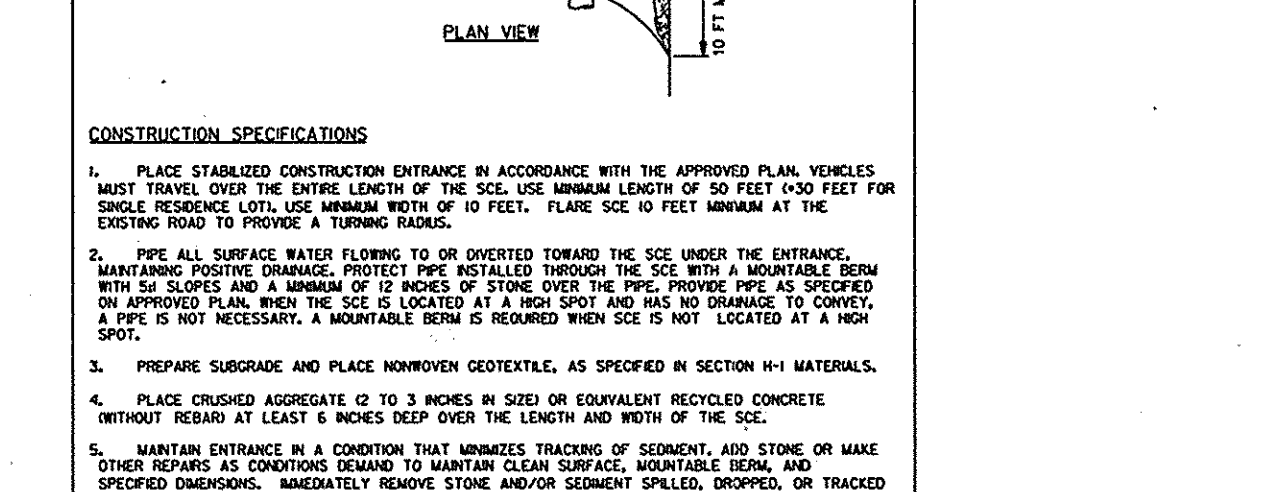
- 1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (410-313-1855).
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
A. THREE (3) CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN THE GRADING PERMIT PRIOR TO CONSTRUCTION (1 DAY).
2. INSTALL THE SEDIMENT CONTROL MEASURES AS INDICATED, PROTECT THE EXISTING TRACK AS INDICATED ON PLAN (1 DAYS).
3. REMOVE TOPSOIL AND SUBSOIL WITHIN TRACK AREA EXCAVATED MATERIAL TO BE HAULED OFFSITE TO AN APPROVED LOCATION (10 DAYS).
4. INSTALL INLET PROTECTIONS AS INDICATED (1 DAY). INSTALL NEW STORM DRAIN SYSTEM WITHIN STONE TRENCH (5 DAYS). ABANDON EXISTING STORM DRAIN PIPES WHERE INDICATED AND FILL WITH FLOWABLE FILL. REMOVE EXISTING STORM DRAIN STRUCTURES AND PIPES WHERE INDICATED (2 DAYS).

CONSTRUCTION SPECIFICATIONS

- 1. USE WOVEN SILT FLEM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
2. EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18 INCHES BELOW THE NOTCH ELEVATION.
3. FOR TYPE A, USE 2 INCH 2 INCH X 4 INCH CONSTRUCTION GRADE LUMBER POSTS, DRIVEN 1 FOOT INTO THE GROUND AT EACH CORNER OF THE INLET. PLACE 2x4 CHAIRS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2x4 FRAME AS SHOWN. STRETCH 1/2 INCH GALVANIZED HARDWARE CLOTH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY TO THE GEOTEXTILE WITH 18 INCHES LONG STAPLES. SECURELY TO THE GEOTEXTILE WITH 18 INCHES LONG STAPLES. SECURELY TO THE GEOTEXTILE WITH 18 INCHES LONG STAPLES.



PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16156, EXPIRATION DATE: 8/28/2016.

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HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND
DIRECTOR: HOWARD COUNTY RECREATION AND PARKS
ASSISTANT MANAGER: GROUNDS SERVICES, HOWARD COUNTY PUBLIC SCHOOL SYSTEM

PREPARED BY
URS
4 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
TEL: (410) 785-7220

APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF, DEVELOPMENT ENGINEERING DIVISION 4
CHIEF, DIVISION OF LAND DEVELOPMENT
DIRECTOR

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CHIEF, DIVISION OF LAND DEVELOPMENT
DIRECTOR

EROSION AND SEDIMENT CONTROL DETAILS AND NOTES
SCALE MAP NO. BLOCK NO.
DATE: 04/20/15

REVISOR SITE DEVELOPMENT PLAN
MT. HEBRON HIGH SCHOOL
FIELD IMPROVEMENTS
SCALE AS SHOWN
SHEET 21 OF 21
2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND