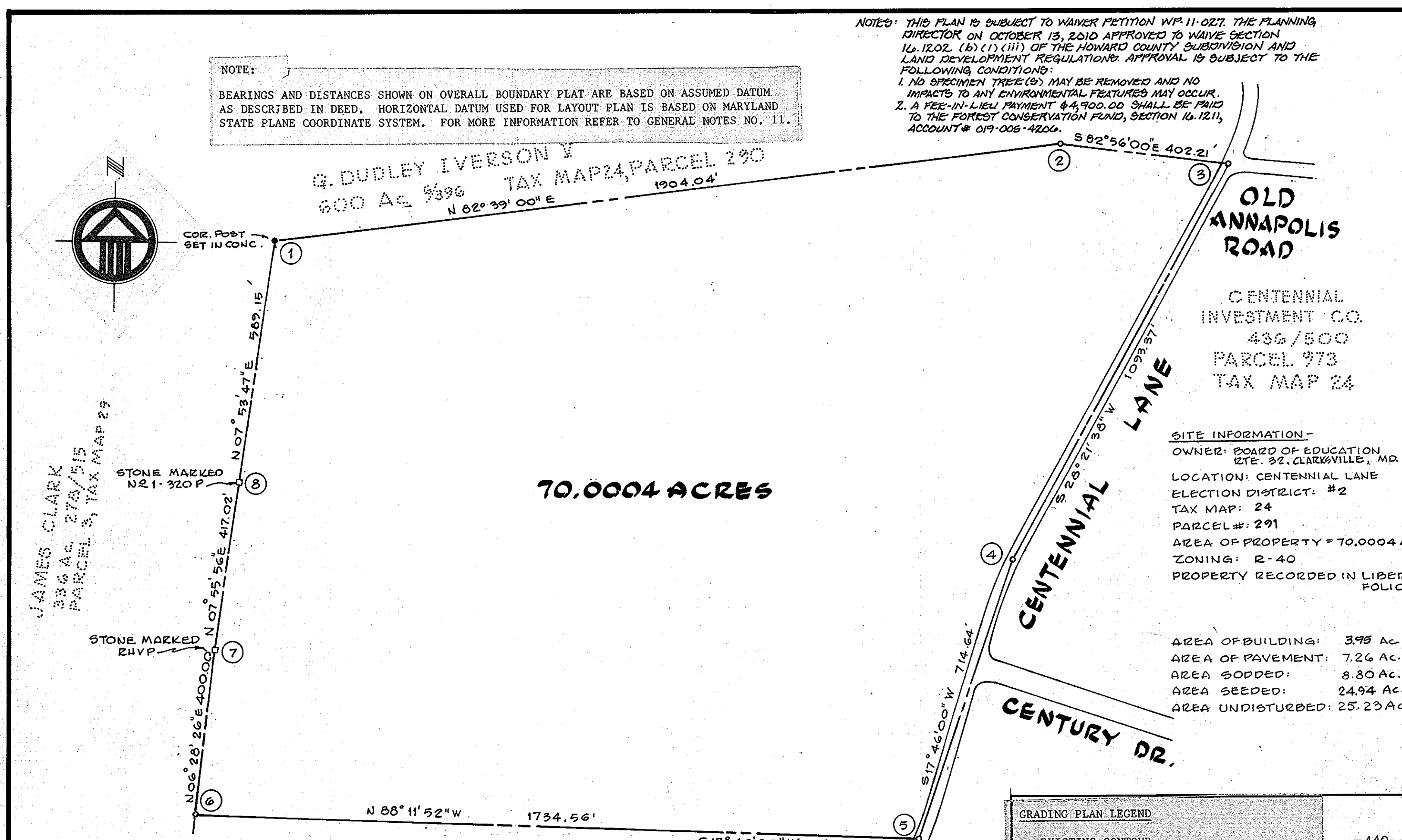


NOTE:
BEARINGS AND DISTANCES SHOWN ON OVERALL BOUNDARY PLAT ARE BASED ON ASSUMED DATUM AS DESCRIBED IN DEED. HORIZONTAL DATUM USED FOR LAYOUT PLAN IS BASED ON MARYLAND STATE PLANE COORDINATE SYSTEM. FOR MORE INFORMATION REFER TO GENERAL NOTES NO. 11.

NOTES: THIS PLAN IS SUBJECT TO WAIVER PETITION WP-11-027. THE PLANNING DIRECTOR ON OCTOBER 13, 2010 APPROVED TO WAIVE SECTION 16.12.02. (b) (1) (iii) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:
1. NO SPECIMEN TREE (S) MAY BE REMOVED AND NO IMPACTS TO ANY ENVIRONMENTAL FEATURES MAY OCCUR.
2. A FEE-IN-LIEU PAYMENT OF \$4,900.00 SHALL BE PAID TO THE FOREST CONSERVATION FUND, SECTION 16.12.11, ACCOUNT# 019-008-4200.



STATE GRID COORDINATES OF PROPERTY CORNERS IN OVERALL BOUNDARY PLAT

NO.	NORTH	EAST
1	517742.55	837527.36
2	518267.73	837582.54
3	518278.92	837984.59
4	517249.54	837616.03
5	516543.91	837502.93
6	516336.76	835780.78
7	516736.47	835765.52
8	517153.46	835760.22

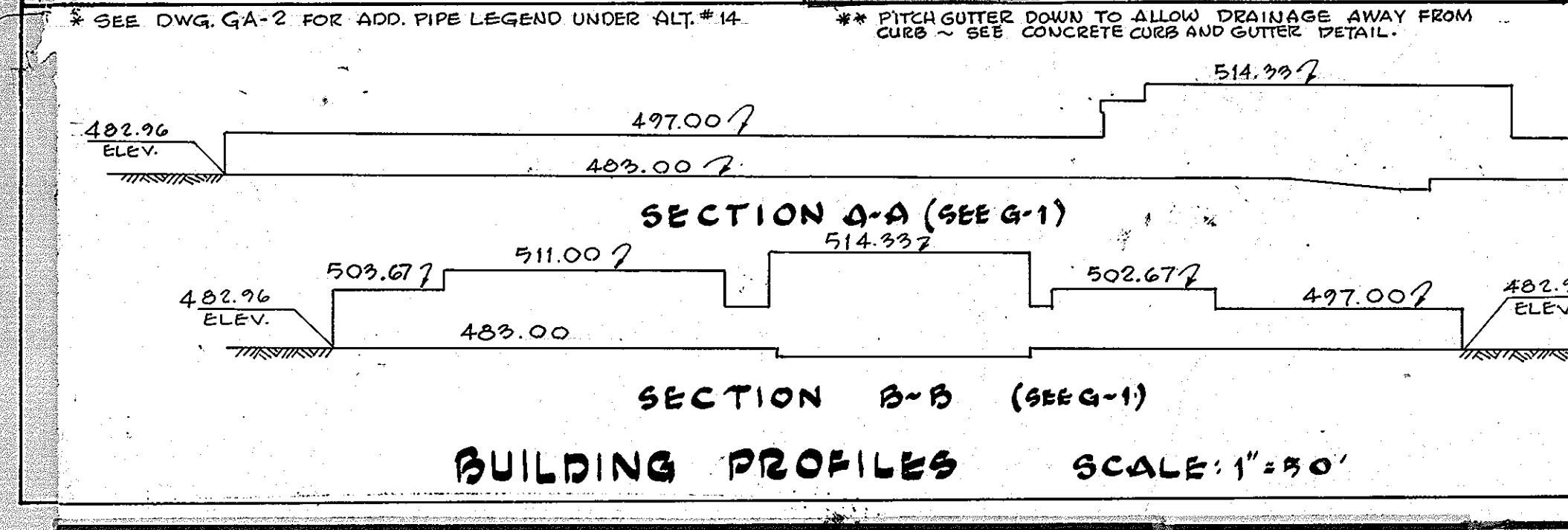
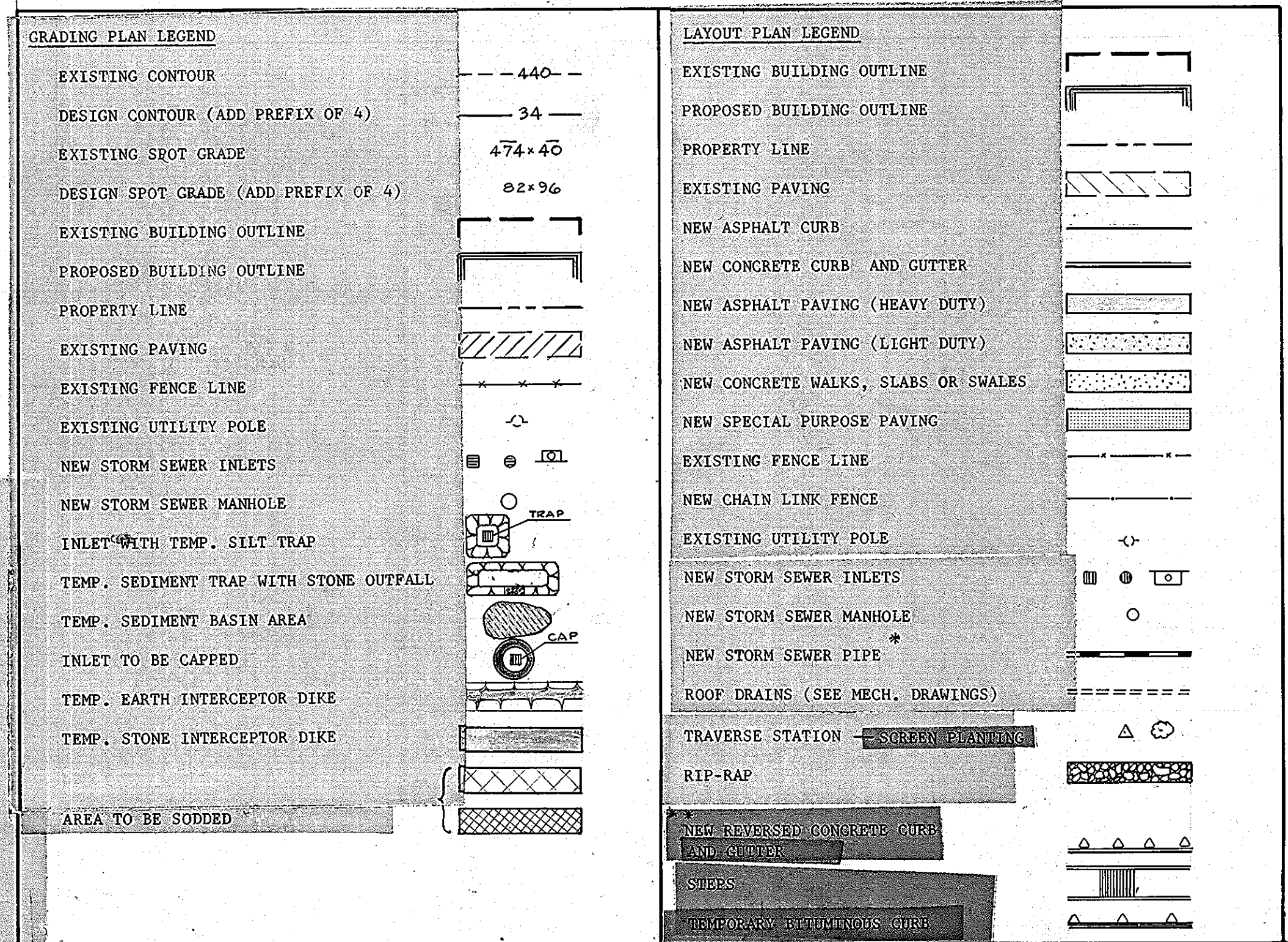
MERRITT PUMPHREY et al.
RESIDUE OF 116.407 ACRE TRACT
OVERALL BOUNDARY PLAT
SCALE: 1" = 200'



Reviewed for Howard S.C.D. Name
and meets Technical Requirements
C. Wayne Roy Date 8-26-75 Signature
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Approved Howard S.C.D. Date 9-22-75

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
James W. Davis 9/5/75 COUNTY HEALTH OFFICER
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas J. Harris 9-8-75 PLANNING DIRECTOR
CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
J.H. Clouston 9/5/75
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W.D. Labadie 9-2-75 DIRECTOR
B.H. Nease 8/29/75 CHIEF BUREAU OF HIGHWAYS

- GENERAL NOTES
- FOR BUILDING DIMENSIONS AND ADDITIONAL DETAILS REFER TO ARCHITECTURAL DRAWINGS.
 - FOR SANITARY SEWER, WATER, AND ROOF DRAINS, REFER TO MECHANICAL PLANS.
 - FOR ALL ELECTRICAL WORK REFER TO ELECTRICAL PLANS.
 - ALL DISTURBED, UNPAVED AREAS TO BE TOPSOILED, FERTILIZED, LIMED, SEEDED AND MULCHED, UNLESS SHOWN SODDED. SLOPES 3 TO 1 AND STEEPER TO BE SODDED.
 - ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY ROAD CONSTRUCTION CODE, AND APPLICABLE PROVISIONS OF THE MARYLAND STATE HIGHWAY ADMINISTRATION "SPECIFICATION FOR MATERIALS, HIGHWAYS, BRIDGES AND INCIDENTAL STRUCTURES".
 - ALL EXISTING UTILITIES ARE BASED ON AVAILABLE RECORDS AND WERE FIELD-CHECKED WHERE POSSIBLE. CONTRACTOR MUST DIG TEST PITS BY HAND AT ALL UTILITY CROSSINGS AND CONNECTION POINTS TO VERIFY EXACT LOCATION AND INVERTS WELL IN ADVANCE OF CONSTRUCTION. IF CLEARANCES ARE NOT AS SHOWN OR IF A CONFLICT IS ANTICIPATED, ARCHITECT SHALL BE NOTIFIED BEFORE PROCEEDING WITH TRENCHING.
 - ALL EXPOSED PORTIONS OF CHANNELS, FRAMES AND GRATES OF STORM DRAINAGE STRUCTURES SHALL RECEIVE TWO COATS OF AN APPROVED PAINT.
 - ALL STRUCTURES HAVING A DEPTH OF 3 FEET OR MORE SHALL HAVE C.I. MANHOLE STEPS, STAGGERED AT 15" O.C.
 - STANDARD CURB AND GUTTER FOR DRIVES AND PARKING AREA ON SITE TO BE HOWARD COUNTY STANDARD 7" COMBINATION CURB AND GUTTER AS SHOWN ON DRAWING D-40, PAGE 95 OF THE COUNTY STANDARDS.
 - CONTACT "MISS UTILITY" AT LEAST 24 HOURS PRIOR TO COMMENCING EXCAVATION.
 - EXISTING TOPOGRAPHY BASED ON AERIAL SURVEY BY PHOTO SCIENCE, CATAPERSBURG, MD. GROUND CONTROL BY ASSOCIATED ENGINEERS, INC., SILVER SPRING, MD. ALL VERTICAL AND HORIZONTAL CONTROL IS BASED ON THE MARYLAND STATE GRID SYSTEM. FOR BENCH MARK, REFER TO GRADING PLAN G-3.
 - PITCH GUTTER OF CURBS TO CONFORM TO ADJACENT DRAINAGE PATTERN.
 - THE LEVEL OF PLAYFIELDS WEST OF RUNNING TRACK MAY BE ADJUSTED TO OBTAIN A CUT AND FILL BALANCE. CROSS-SLOPE OF THE FIELDS, HOWEVER, MUST REMAIN AS SHOWN. NO STORM SEWER, EXCEPT AS SPECIFIED UNDER THE CONSTRUCTION SEQUENCE, SHALL BE INSTALLED UNTIL CUT AND FILL IS BALANCED.
 - PREFIX OF 4 MAY HAVE TO BE ADDED TO ALL DESIGN CONTOURS AND SPOT GRADES.
 - THICKNESS OF TOPSOIL SHALL BE 4 INCHES (COMPACTED).
 - WHERE STORM SEWER PIPES ARE PLACED IN FILL AREAS, THE FILL SHALL BE COMPACTED TO 95% ITS MAXIMUM DENSITY.



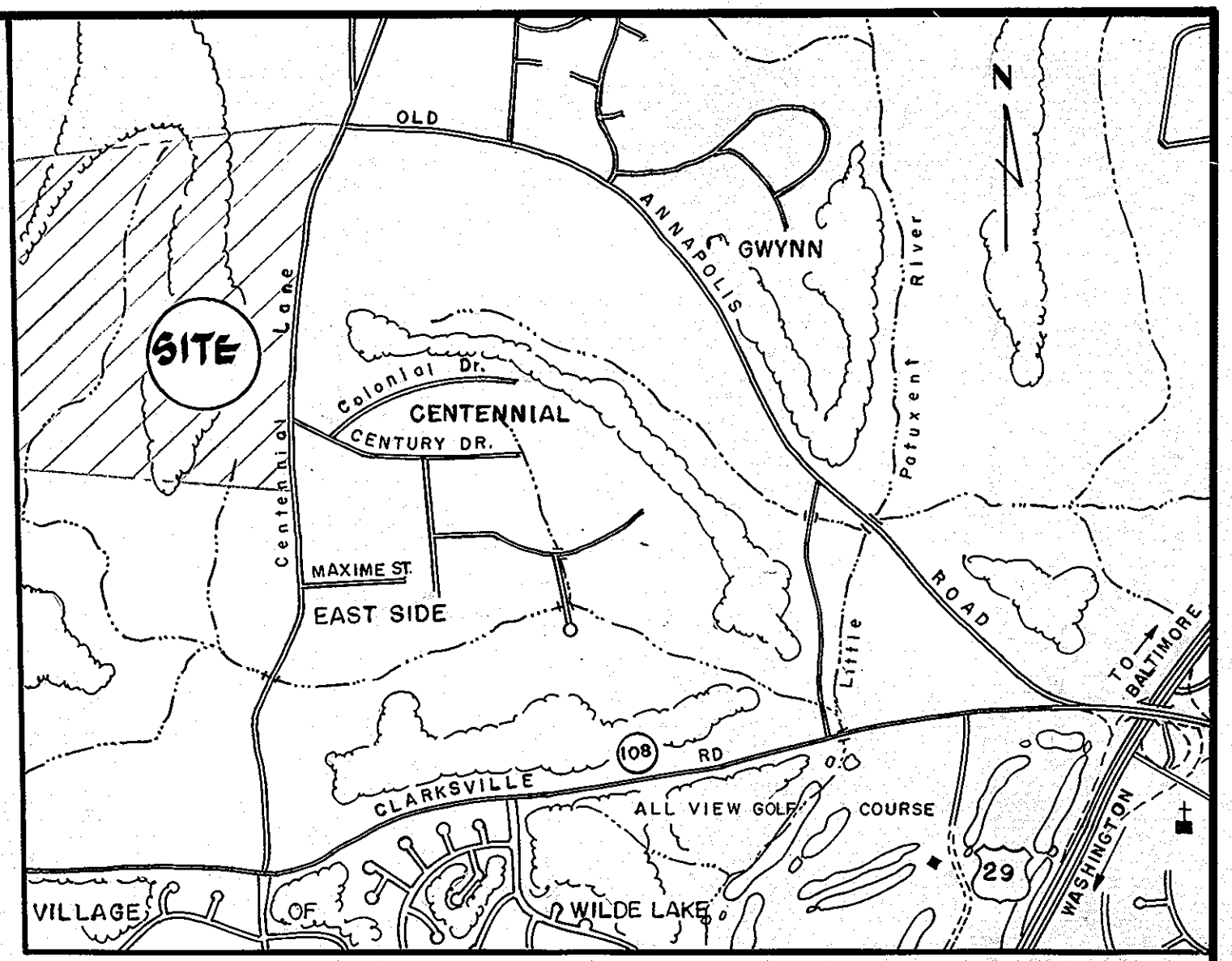
- CONSTRUCTION SEQUENCE
- INSTALL STONE ENTRANCE DIKES AND STONE FILTER DIKES.
 - CONSTRUCT PERIMETER DIKES USING TOPSOIL, STABILIZE IN ACCORDANCE WITH SEDIMENT CONTROL NOTE #4.
 - INSTALL SEDIMENT TRAPS A, B, C, D, R AND S AND PROVIDE 42" HIGH TEMPORARY FENCES AT TRAPS DEEPER THAN 2 FEET.
 - INSTALL SEDIMENT BASIN WITH RISER, BARREL, STONE RIPRAP. BUILD EARTH DIKE AND EMERGENCY SPILLWAY AND STABILIZE ACCORDING TO SEDIMENT CONTROL NOTE #4.
 - CLEAR AND GRUB AREA TO BE DISTURBED, STRIP AND STOCKPILE TOPSOIL.
 - INSTALL STORM DRAIN SYSTEM FROM S-3 TO L-10 TO M-1 TO I-7 TO S-2.
 - ROUGH-GRADE SITE AND BALANCE CUT AND FILL ACCORDING TO GENERAL NOTE #13.
 - START BUILDING CONSTRUCTION.
 - INSTALL REMAINING STORM DRAINAGE SYSTEM AND TRAP OR GAP STRUCTURES. INSTALL REMAINING SEDIMENT TRAPS AND TEMPORARY DIKES AS CALLED FOR ON PLAN AND SCHEDULE. STABILIZE TEMPORARY DIKES ACCORDING TO SEDIMENT CONTROL NOTE #4.
 - START CURB AND GUTTER CONSTRUCTION AND INSTALL BASE COURSE OF PAVING FOR PAVED AREAS. REMOVE SEDIMENT TRAPS WHOSE TRIBUTARY AREAS HAVE BEEN PAVED.
 - STABILIZE POWER PLAYFIELDS AND SLOPES WEST OF TENNIS COURTS AND GRASS PLAY AREA WEST OF BUILDING.
 - REMOVE INTERIOR DIKES, TRAPS AND GAPS OF STORM DRAINAGE STRUCTURES WHEN TRIBUTARY AREAS ARE STABILIZED.
 - FINISH BUILDING CONSTRUCTION, APPLY SURFACE COURSE AND STABILIZE REMAINING DISTURBED AREAS.
 - REMOVE REMAINING SEDIMENT TRAPS AND DIKES AND STABILIZE DISTURBED AREAS.
 - AFTER ALL AREAS ARE STABILIZED, REMOVE SEDIMENT BASIN AND STABILIZE DISTURBED AREA.
 - CLEAN UP SITE AND START MAINTENANCE.

- SEDIMENT CONTROL NOTES
- Contractor shall notify the Howard Soil Conservation District and the Bureau of Inspection, License and Permits before starting any work. (Phone 465-3180).
 - All Sediment Control Features shall be constructed and stabilized in accordance with the approved plans. Sediment Control Features may be adjusted in the field, however, permission from Howard S.C.D. and Architect must be obtained.
 - Periodic inspection and maintenance of all sediment control structures and features must be provided in order to insure that the intended purpose is accomplished.
 - Temporary berms and dikes shall be compacted by several passes with the construction equipment. Berms and dikes shall be stabilized immediately by using the following material: 1 ton of lime per acre, 500 lbs. of 5-10-10 fertilizer per acre, 1.5 tons of mulch and 40 lbs. of Rye grass per acre.
 - All dikes must have positive grade to an outlet.
 - Field locations of dikes shall be adjusted as needed to utilize a stabilized safe outlet.
 - Diverted runoff must outlet directly onto an undisturbed stabilized area.
 - All disturbed unpaved areas shall be stabilized immediately after fine grading by topsoiling, liming, fertilizing, seeding or sodding. Refer to grading plans for limit of sodded areas.
 - Topsoil shall meet all applicable requirements of the specifications for Materials, Highways, Bridges and Incidental Structures of the Maryland State Highway Administration.

- COMPLETE SET OF SITE DEVELOPMENT DRAWINGS:
- G-0 COVER SHEET
 - G-1 TO G-5 EXISTING PLAN
 - G-6 TO G-10 GRADING PLAN AND SEDIMENT CONTROL
 - G-11 CENTENNIAL HANE CENTERLINE PROFILE
 - G-12 TO G-15 STORM SEWER PROFILES
 - G-16 DETAILS

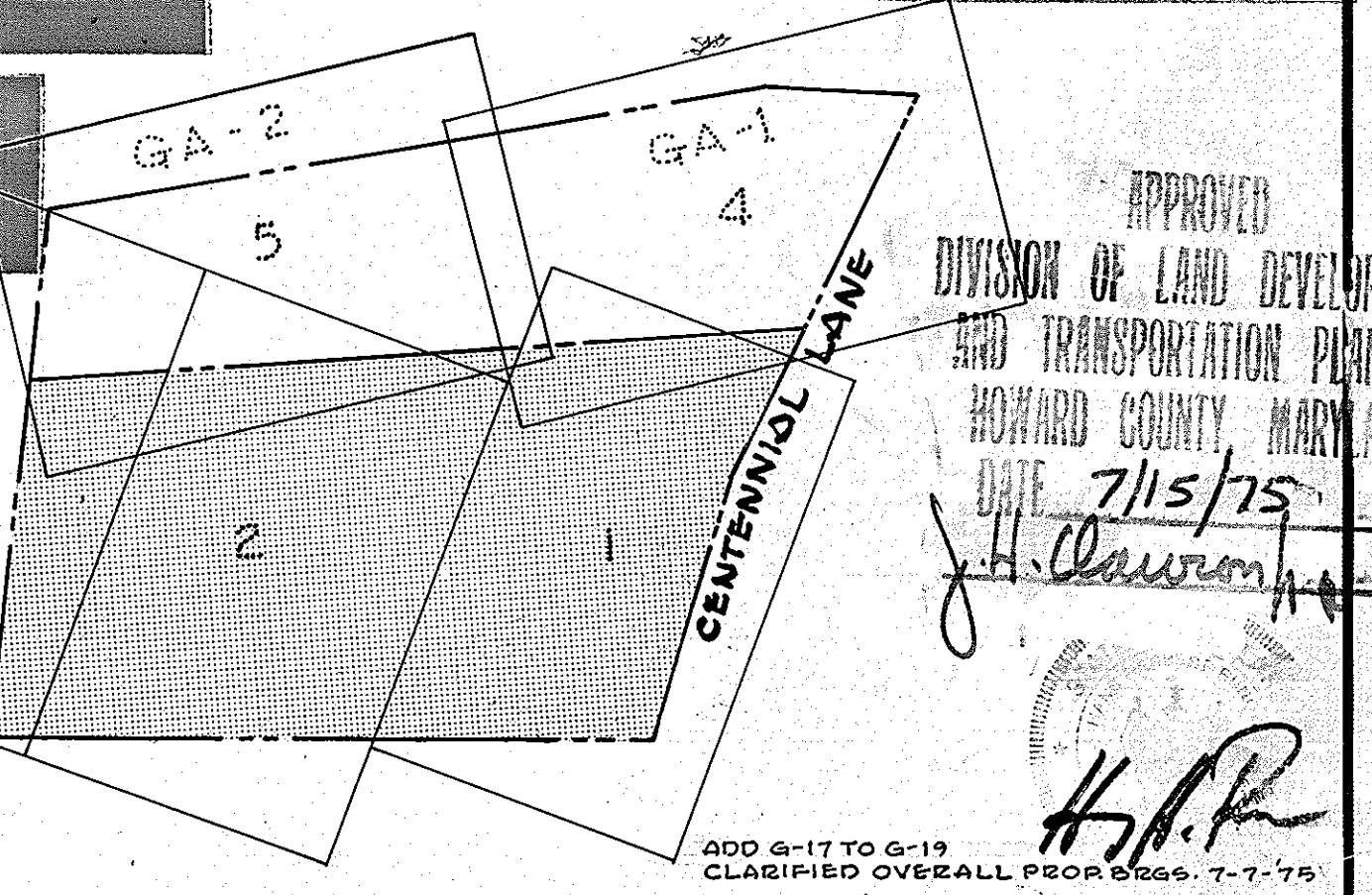
- COMPLETE LIST OF SUPPORTING DRAWING DATA:
- DD-1 TO DD-5 DRAINAGE DIVIDES
 - 40 PAGES OF STORM DRAINAGE COMPUTATIONS } BASE BID
 - DD-6 AND 7 DRAINAGE DIVIDES
 - 7 PAGES OF STORM DRAINAGE COMPUTATIONS } ALTERNATE #14

ADDENDUM #4
5-21-75
SDP NO: SDP-75-86



VICINITY MAP
NOT TO SCALE

- Topsoil shall be 4 inches thick (compacted) and be placed to finished grade for sodded areas. Proper allowance in finished grade shall be made for sodded areas.
- Lime shall be spread at a rate of one (1) ton per acre.
- Fertilizer 5-10-10 or equivalent shall be applied at a rate of 1700 lbs. per acre. Both lime and fertilizer shall be uniformly applied to the loosened seedbed and shall be raked smooth prior to seeding or sodding.
- Mixture for permanent seeding shall be 230 lbs. per acre of Kentucky 31 Fall Rescue and 20 lbs. per acre of Rye.
- Immediately after seeding the area shall be uniformly mulched at a rate of 3000 lbs./acre, anchored with 480 gal./acre of asphalt.
- For sodded areas, the sod shall be laid to a tight fit and rolled in order to knit to the soil. Sodded areas shall be watered for up to 2 weeks, to ensure rooting to the soil below.
- No permanent slopes shall be steeper than 3:1. All slopes 4:1 and steeper shall be pegged.
- No temporary sedimentation measures are to be removed without permission by the Soil Conservation District and only just prior to stabilization of tributary areas.
- On swales having a grade steeper than 2%, the mulch shall be overlaid with plastic or fiber netting stapled to the ground according to the manufacturer's recommendations.



KEY PLAN
SCALE 1" = 500'
ADDENDUM #4
5-21-75
SDP NO: SDP-75-86

APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 7/15/75
J.H. Clouston
ADD G-17 TO G-19
CLASSIFIED OVERALL PROPOSED 7-7-75
REV. 5-20-75 - ADDED ALT.#14.
ASSOCIATED ENGINEERS, INC.
SITE ENGINEERS
8555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL 301-588-7311

STANLEY H. ARTHUR A.I.A. ARCHITECT
4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE **COVER SHEET**
JOB TITLE **CENTENNIAL HIGH SCHOOL**
2nd ELECT. DIST. HOWARD CO. MARYLAND
OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
8045 ROUTE # 32 COLUMBIA, MD. 21044

DRAWN BY
DATE MAY, 1979
SHEET NUMBER
REVISIONS
Revised Sheet Index, Site Information and Sheet Number
G-0
1 of 40

MATCH LINE 7 JOINS SHEET G-2

PLAYFIELD
180' x 360'

CENTENNIAL
HIGH
SCHOOL

DRIVER TRAINING & OVERFLOW PARKING
ALTERNATE #3

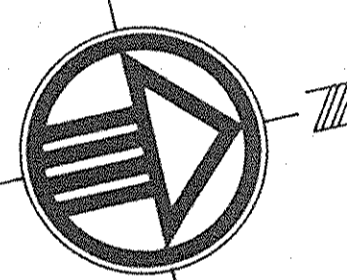
Note: See Sheet 29 For New
Parking Lot

PARKING - TOTAL 240 CARS

Note: See Sheet
29 For Building
Addition

Note: See Sheet 29
For New Bus Loop

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.
Licence No. 16156, Expiration Date: 8-25-14



TYPICAL SPACING FOR WHITE PINE SCREENING

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
C. Wayne Ragan 8-26-75
Signature
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Approved Robert J. Zehner 8-22-75
Howard S.C.D.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 9/1/75
COUNTY HEALTH OFFICER DATE
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 9-8-75
PLANNING DIRECTOR DATE
CHIEF DIVISION OF LAND DEVELOPMENT TRANSPORTATION PLANNING
[Signature] 9/15/75
DATE

APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 9-2-75
DIRECTOR DATE
[Signature] 8/29/75
CHIEF BUREAU OF HIGHWAYS DATE

NOTE:
ALL DRIVEWAYS AND PARKING AREAS ARE PRIVATE.
ALL STORM SEWER PIPE LENGTH ARE APPROXIMATE ONLY (SCALED). LAY-OUT DIMENSIONS GOVERN THE LENGTH OF PIPES.
SCREEN PLANTING - 5' TO 6' HIGH WHITE PINES AS SHOWN TO BE PART OF PLANTING ALLOWANCE.

NO.	RADIUS	ARC	CHD.	TAN.	CHD. BEARING
1	69.00	102.10	71.92	65.00	S 34° 06' 00" W
2	65.00	102.10	71.92	65.00	S 35° 34' 00" E

ASSOCIATED ENGINEERS, INC.
CIVIL ENGINEERS & LAND SURVEYORS
855 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-589-7311

STANLEY H. ARTHUR A.I.A. ARCHITECT
4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

CENTENNIAL ESTATE S SECTION 2

SCALE: 1" = 40'

LANE
FOR PROFILE OF 1/2 OF CENTENNIAL LANE SEE DWG-G-11

APPENDUM #4
5-21-75

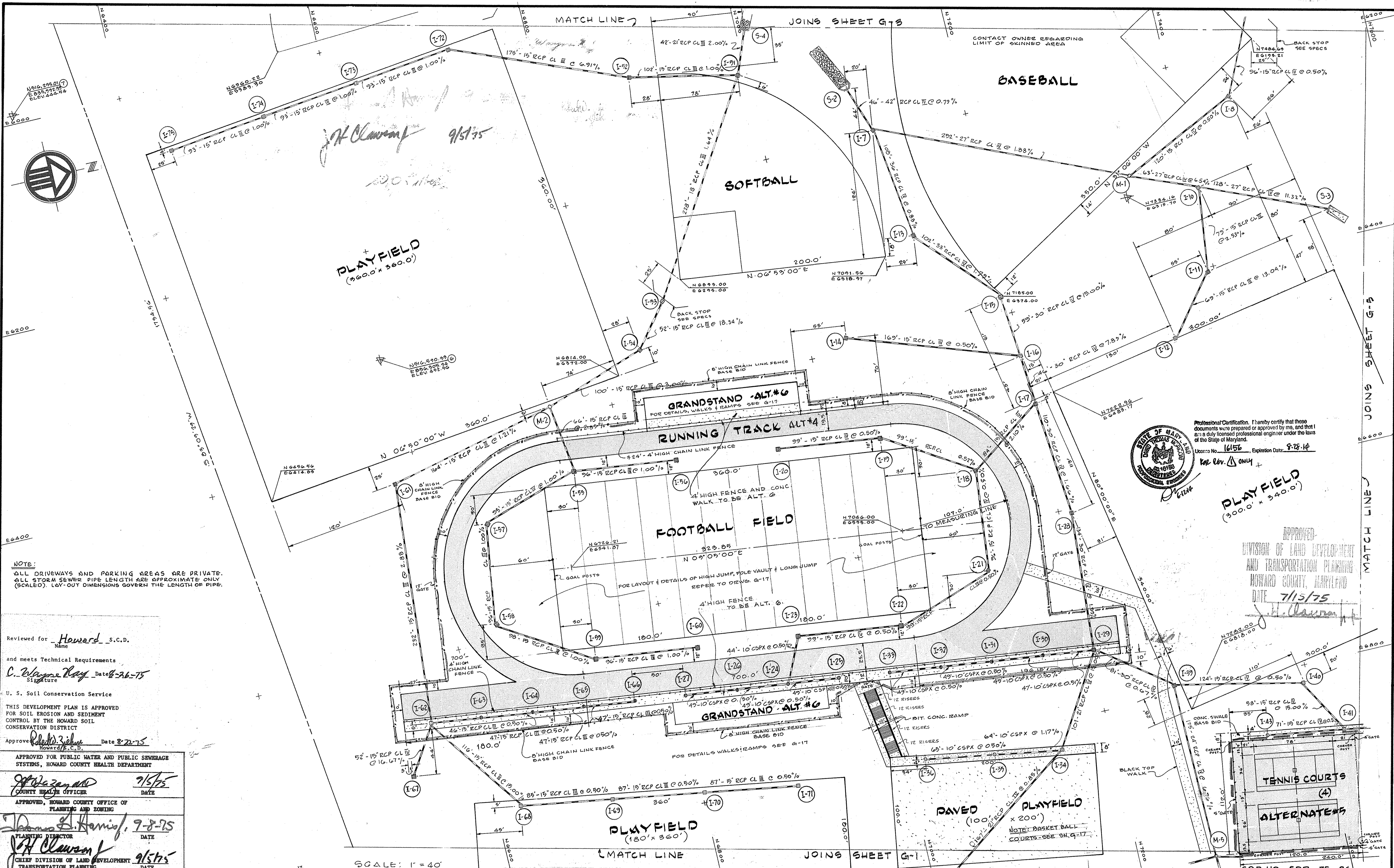
SAMUEL W. TUCKER & WIFE
400/349

APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 7/15/75
J.H. Lawrence

REVISION 9/14/10
FISHER COLLINS PARTNER, INC.
REV. 5-20-75 ENTRANCE REVISION & I-6 I-5 & I-4. SCREEN PLANTING & SIGNS
SDP NO: SDP-75-86

SHEET TITLE	LAYOUT PLAN	REVISOR	DATE	DRAWN BY	JOB NUMBER
CENTENNIAL HIGH SCHOOL	2nd ELECT. DIST. HOWARD CO. MARYLAND	J.H. Lawrence	7/15/75	[Signature]	468-74
JOB TITLE	OWNER	DATE	REVISIONS	DATE	SHEET NUMBER
CENTENNIAL HIGH SCHOOL	THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND	MAY, 1975	9-14-10 Revised Sheet Number, Parking Lot and Bus Loop	8/29/75	G-1 2 of 40-50

SDP-75-86



NOTE:
 ALL DRIVEWAYS AND PARKING AREAS ARE PRIVATE.
 ALL STORM SEWER PIPE LENGTH ARE APPROXIMATE ONLY (SCALED). L&V-OUT DIMENSIONS GOVERN THE LENGTH OF PIPE.

Reviewed for Howard S.C.D.
 Name
 and meets Technical Requirements
C. Wayne Day Date 8-26-75
 Signature
 U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT
 Approved Howard S.C.D. Date 8-22-75
 Signature

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
John D. Harris 7/5/75
 COUNTY HEALTH OFFICER DATE
 APPROVED, HOWARD COUNTY OFFICE OF
 PLANNING AND ZONING
John D. Harris 7-8-75
 PLANNING DIRECTOR DATE
John H. Clawson 9/5/75
 CHIEF DIVISION OF LAND DEVELOPMENT
 TRANSPORTATION PLANNING DATE

APPROVED FOR PUBLIC WATER PUBLIC SEWER AND
 STORM DRAINAGE SYSTEMS AND ROADS HOWARD
 COUNTY DEPARTMENT OF PUBLIC WORKS
W. H. Mehlman 9-2-75
 DIRECTOR DATE
D. H. Mehlman 8/29/75
 CHIEF BUREAU OF HIGHWAYS DATE

ASSOCIATED ENGINEERS, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 8535 SIXTEENTH STREET
 SILVER SPRING, MARYLAND 20910
 TEL. 301-589-7311

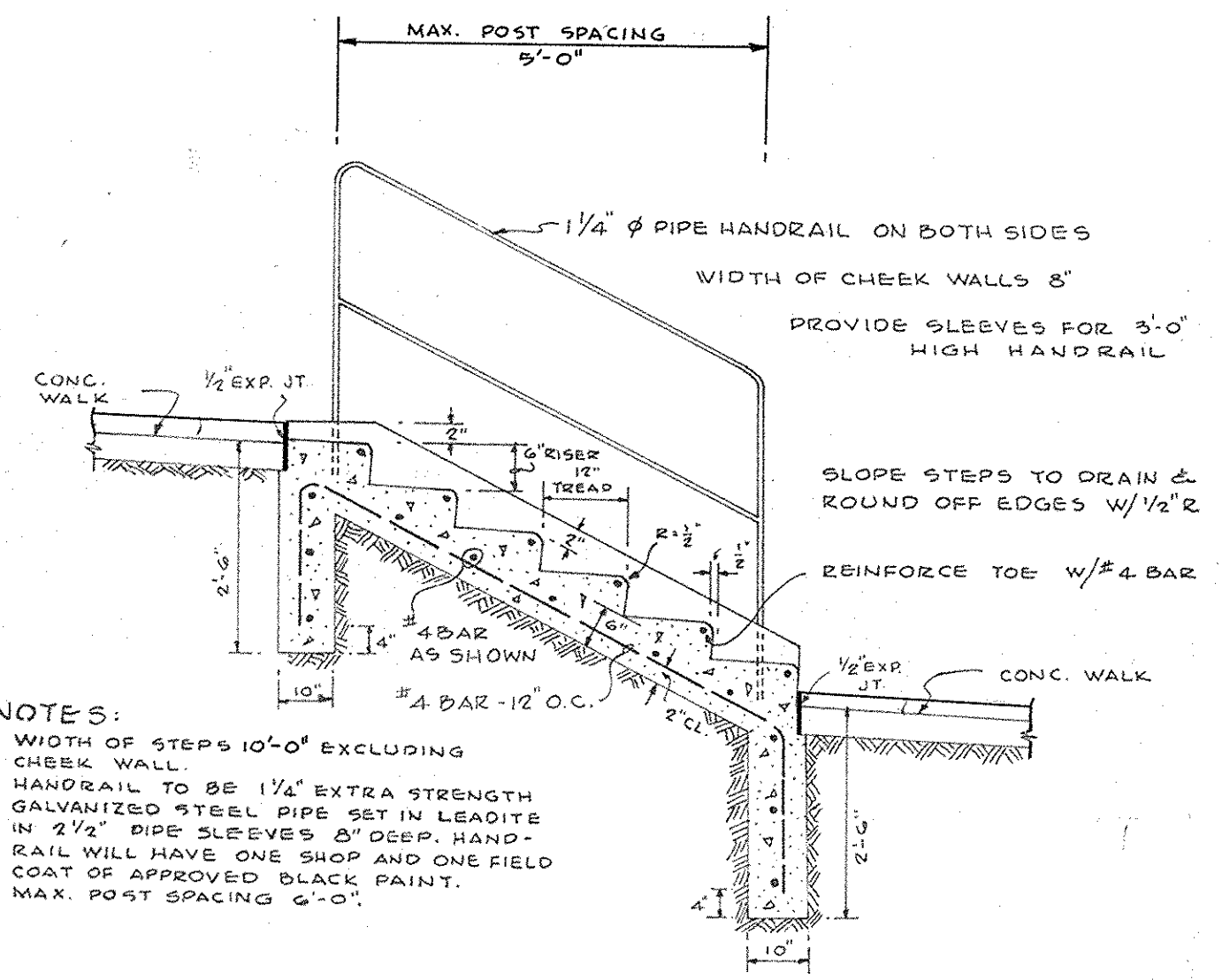
STANLEY H. ARTHUR A.I.A. ARCHITECT
 4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE **LAYOUT PLAN** REVISED SITE DEVELOPMENT PLAN
 JOB TITLE **CENTENNIAL HIGH SCHOOL**
 2nd ELECT. DIST. HOWARD CO. MARYLAND
 OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
 8045 ROUTE # 32 COLUMBIA, MD. 21044

SDP NO. SDP-75-86
 DRAWN BY **468-74**
 JOB NUMBER
 DATE **MAY, 1975**
 SHEET NUMBER
 REVISIONS
 REV. A REUSED
 SHEET TOTAL 6124
G-2
 3 OF 40 50 A

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: **8-28-14**
John H. Clawson
 PROFESSIONAL ENGINEER
 STATE OF MARYLAND
 61244

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE **7/15/75**
John H. Clawson

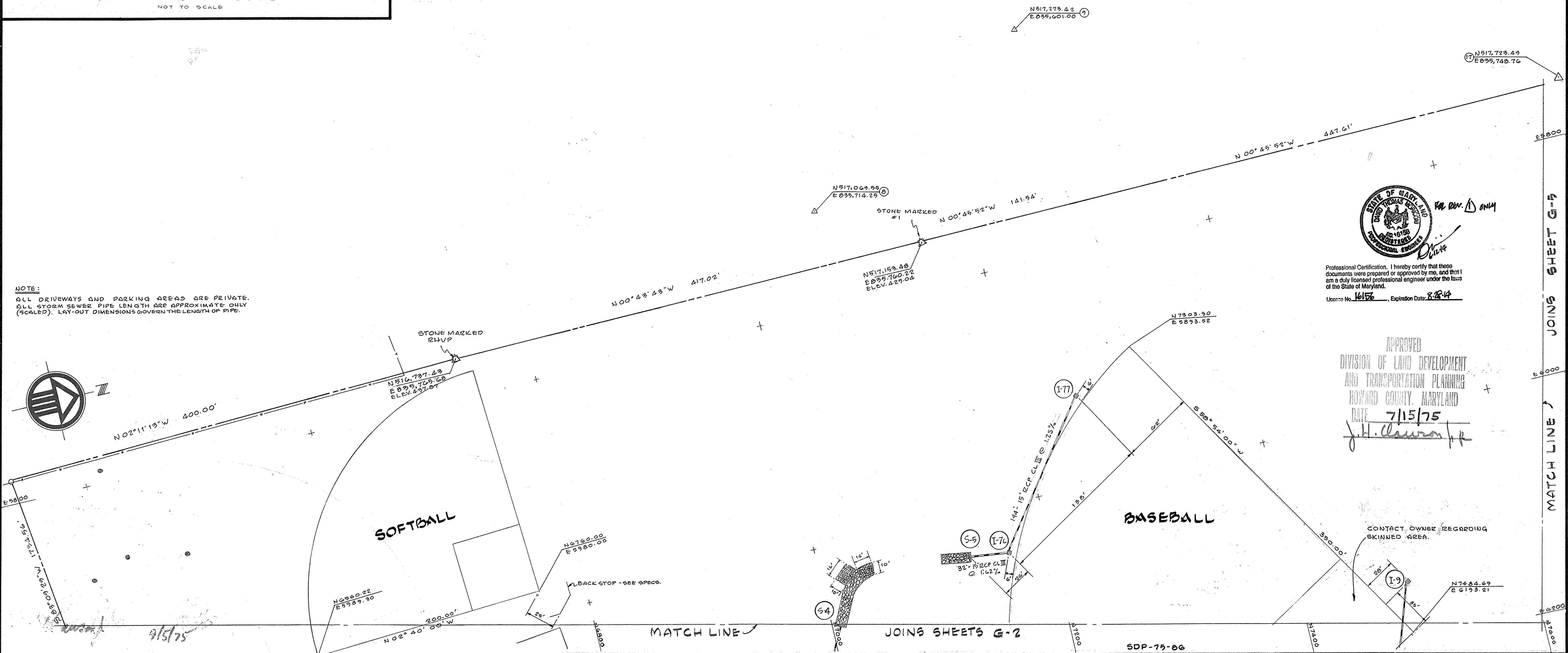


**TYPICAL SECTION
EXTERIOR CONC. STEP DETAIL**
NOT TO SCALE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
J. J. O'Connell, MD 9/5/75
 COUNTY HEALTH OFFICER DATE
 APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas A. Rinnio 9-8-75
 PLANNING DIRECTOR DATE
J. H. Clavens 9/5/75
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE
 APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. O. Filbert 9-2-75
 DIRECTOR DATE
P. M. Hebebrand 8/22/75
 CHIEF BUREAU OF HIGHWAYS DATE

Reviewed for HOWARD S.C.D. Name
 and meets Technical Requirements
C. W. [Signature] Date 8-26-75
 Signature
 U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved *[Signature]* Date 8-22-75
 Howard S.C.D.

NOTE:
 ALL DRIVEWAYS AND PARKING AREAS ARE PRIVATE.
 ALL STORM SEWER PIPE LENGTHS ARE APPROXIMATE ONLY (SCALED). LAY-OUT DIMENSIONS GOVERN THE LENGTH OF PIPE.



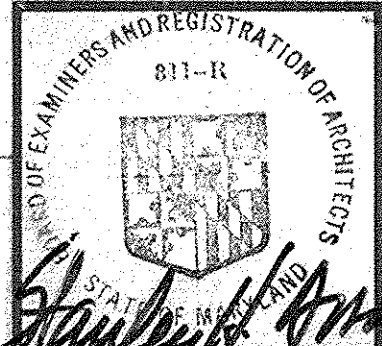
STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 J. H. Clavens
 License No. 16152, Expiration Date: 8-28-84
 Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
J. H. Clavens

N 516,295.01
 E 839,792.30
 ELEV. 422.94
 E 6000

[Signature]

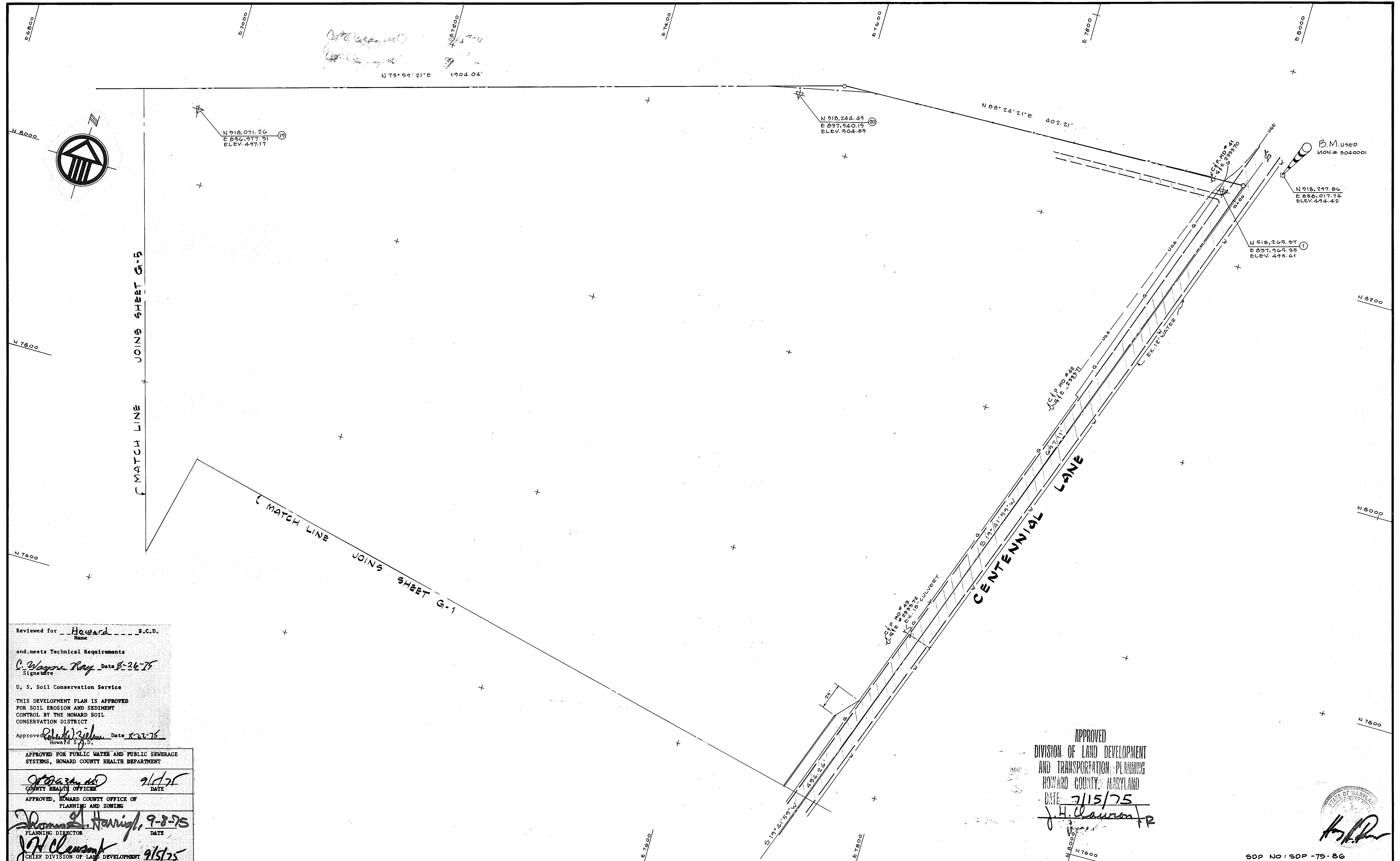
SCALE: 1" = 40'
 ASSOCIATED ENGINEERS, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 8555 SIXTEENTH STREET
 SILVER SPRING, MARYLAND 20910
 TEL. 301-589-7311



STANLEY H. ARTHUR A.I.A. ARCHITECT
 4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE **LAYOUT PLAN**
 JOB TITLE **CENTENNIAL HIGH SCHOOL**
 2nd ELECT. DIST. HOWARD CO. MARYLAND
 OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
 8045 ROUTE # 32 COLUMBIA, MD. 21044

REVISIONS
 REV. Δ REVISED SHEET TOTAL 6/2-14
 SHEET TOTAL 6/2-14
 DRAWN BY
 DATE MAY 1975
 JOB NUMBER 468-74
 SHEET NUMBER **G-3**
 4 of 40 50 Δ



Reviewed for Howard S.C.D.
Name

and meets Technical Requirements
C. Wayne Ray Date 8-26-75
Signature

U. S. Soil Conservation Service

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

Approved Richard J. Wilson Date 8-22-75
Howard S.J.D.

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

John A. ... 9/1/75
COUNTY HEALTH OFFICER DATE

APPROVED, HOWARD COUNTY OFFICE OF
PLANNING AND ZONING

Thomas D. ... 9-8-75
PLANNING DIRECTOR DATE

J.H. ... 9/15/75
CHIEF DIVISION OF LAND DEVELOPMENT
TRANSPORTATION PLANNING DATE

APPROVED FOR PUBLIC WATER PUBLIC SEWER AND
STORM DRAINAGE SYSTEMS AND ROADS HOWARD
COUNTY DEPARTMENT OF PUBLIC WORKS

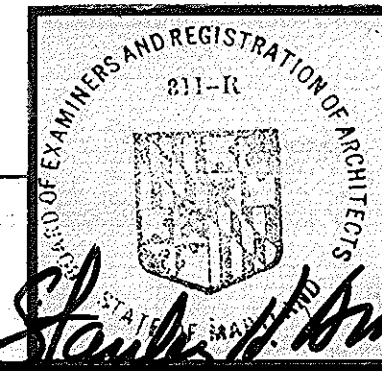
W.O. ... 9-2-75
DIRECTOR DATE

D.H. ... 8/29/75
CHIEF BUREAU OF HIGHWAYS DATE

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 7/15/75
J.H. ...

SCALE: 1" = 40'

ASSOCIATED ENGINEERS, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-589-7311



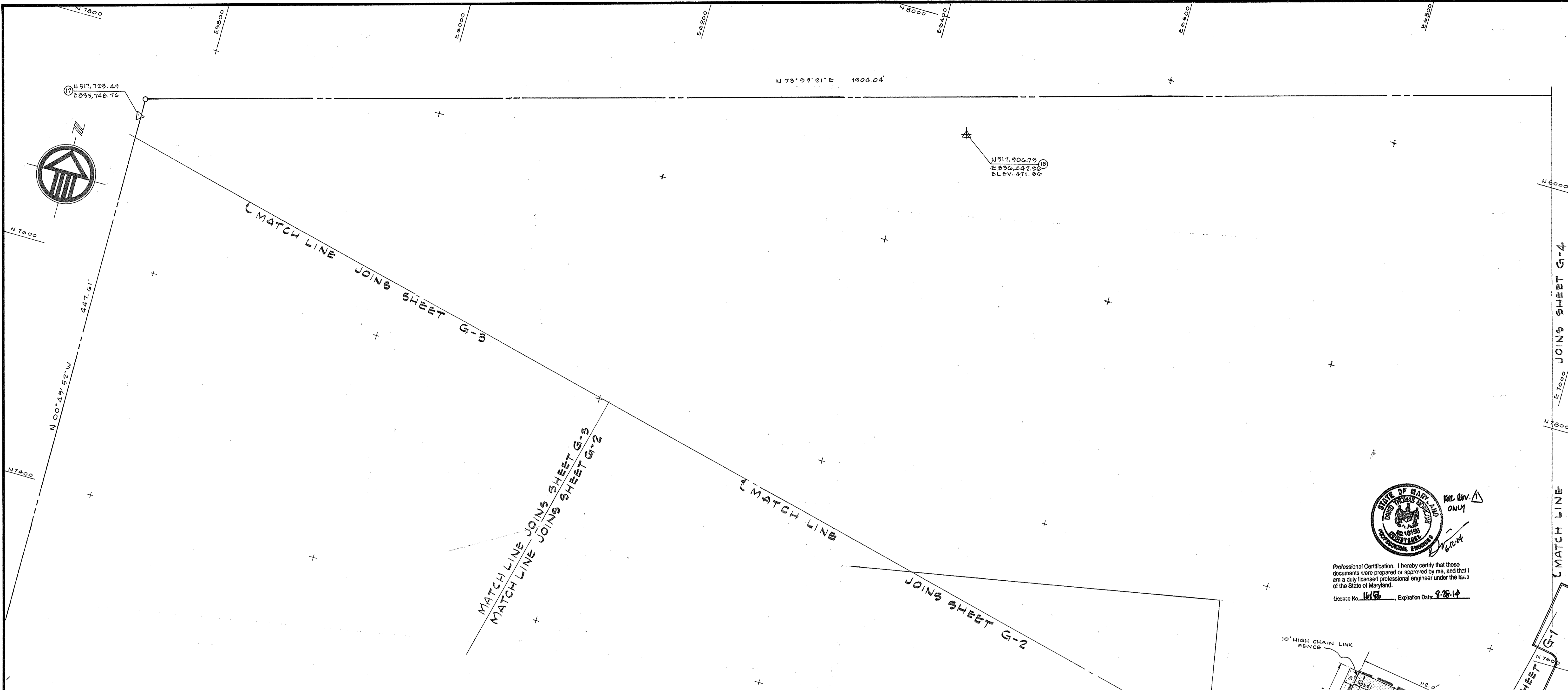
STANLEY H. ARTHUR A.I.A. ARCHITECT
4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE	LAYOUT PLAN
JOB TITLE	CENTENNIAL HIGH SCHOOL
2nd ELECT. DIST. HOWARD CO. MARYLAND	
OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND	
8045 ROUTE # 32 COLUMBIA, MD. 21044	

DRAWN BY	JOB NUMBER
DATE MAY, 1975	468-74
REVISIONS	SHEET NUMBER
	G-4
	5 OF 40

SDP No. SDP-75-86

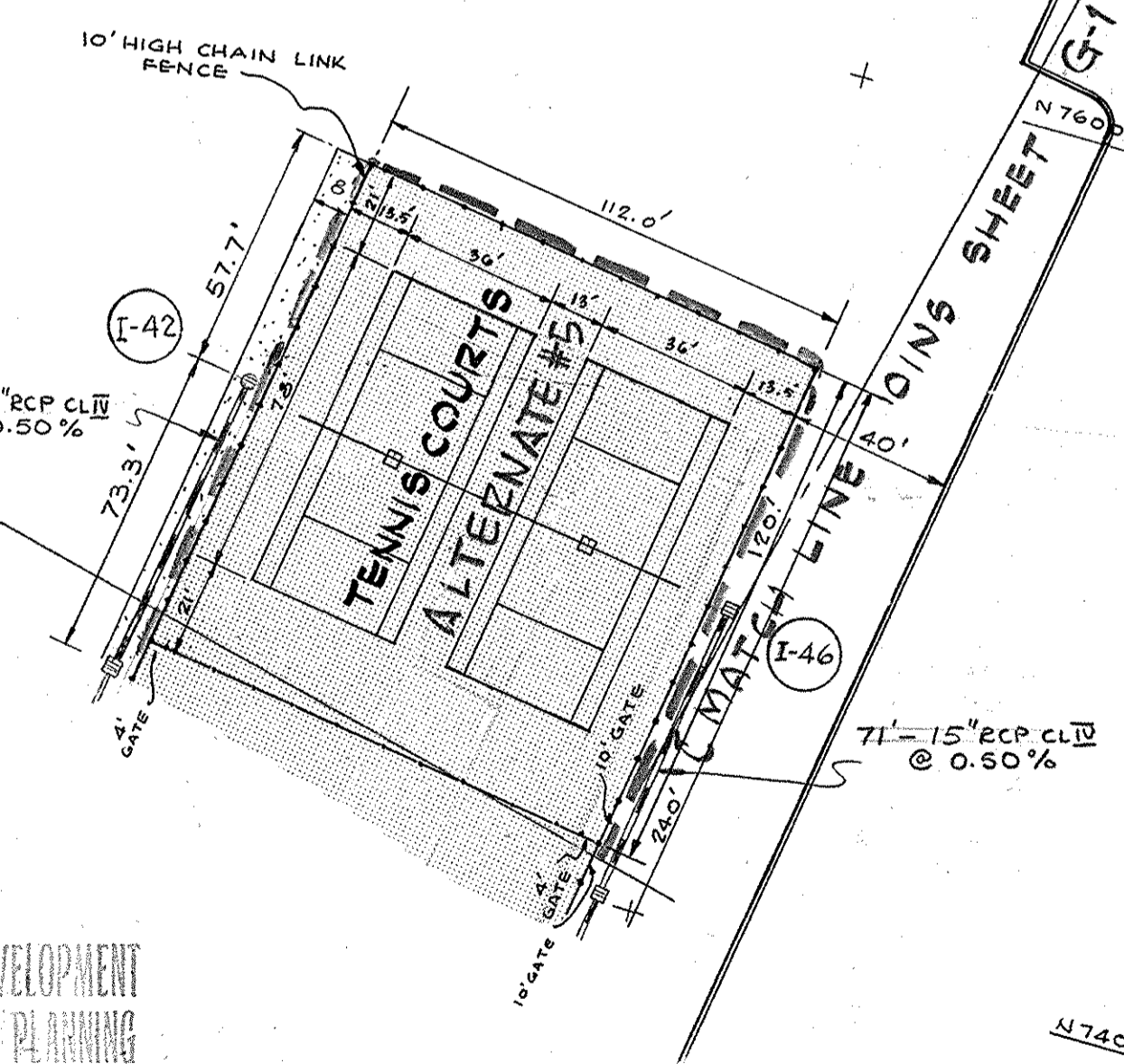
SDP-75-86



N 517.90673
E 096.44276
ELEV. 471.96



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. 1617, Expiration Date: 8-28-14



SCALE: 1" = 40'

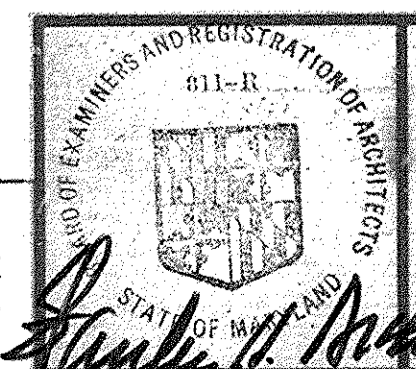
APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 7/15/75
J. H. Clouston Jr.

Reviewed for: HOWARD, S.C.D.
Name
and meets Technical Requirements
C. Wayne Ray Date 8-26-75
Signature
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED
FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL
CONSERVATION DISTRICT
Approved: *Howard S.C.D.* Date 8-22-75
Howard S.C.D.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
J. P. ... 9/5/75
COUNTY HEALTH OFFICER DATE
APPROVED HOWARD COUNTY OFFICE OF
PLANNING AND ZONING
James L. ... 9-8-75
PLANNING DIRECTOR DATE
J. H. Clouston Jr. 9/5/75
CHIEF DIVISION OF LAND DEVELOPMENT
TRANSPORTATION PLANNING DATE
APPROVED FOR PUBLIC WATER PUBLIC SEWER AND
STORM DRAINAGE SYSTEMS AND ROADS HOWARD
COUNTY DEPARTMENT OF PUBLIC WORKS
W. O. ... 9-2-75
DIRECTOR DATE
D. B. ... 8/29/75
CHIEF BUREAU OF HIGHWAYS DATE



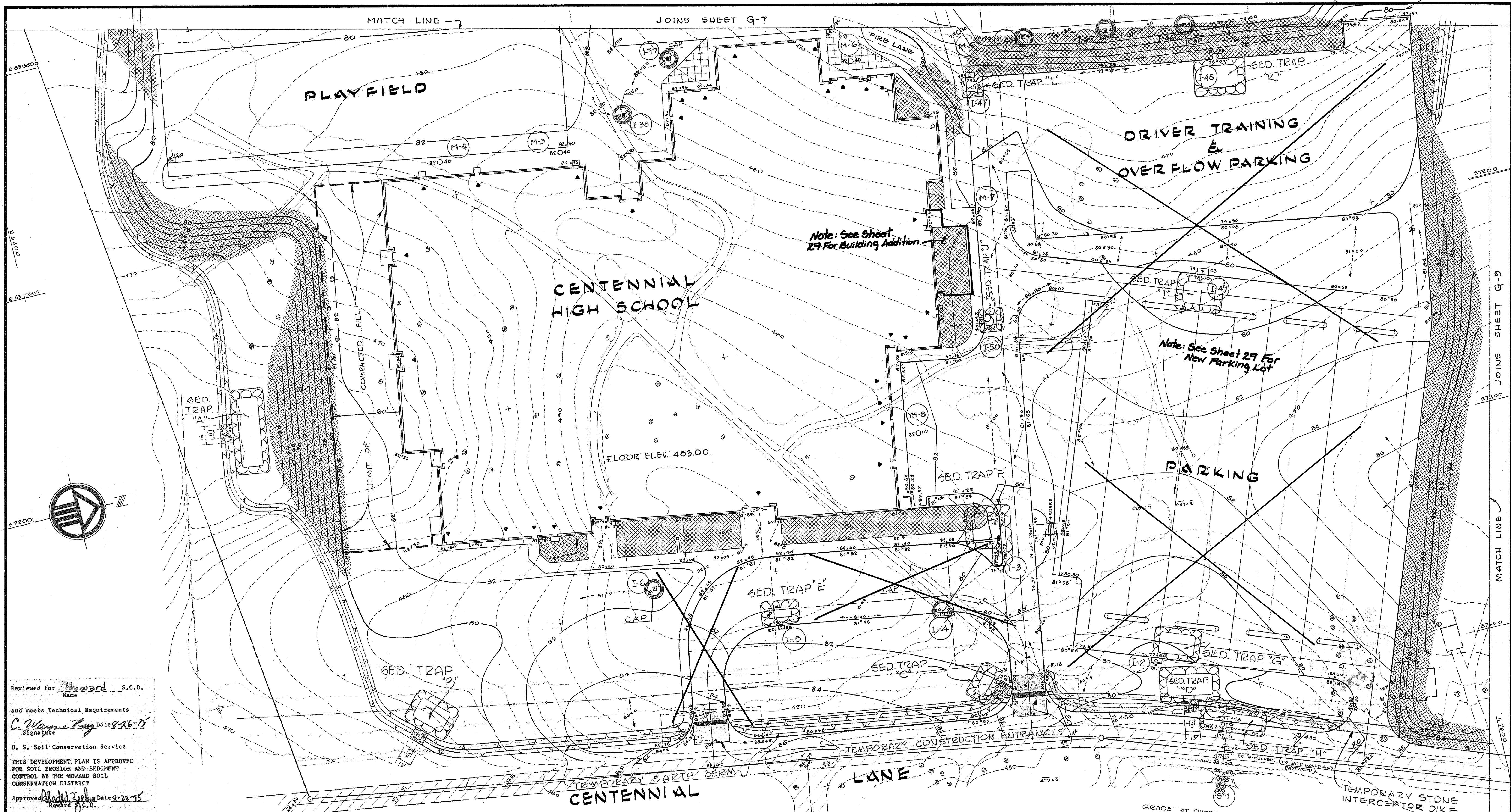
SCALE: 1" = 40'
ASSOCIATED ENGINEERS, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-589-7311



STANLEY H. ARTHUR A.I.A. ARCHITECT
4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE LAYOUT PLAN **REVISOR SITE DEVELOPMENT PLAN**
JOB TITLE CENTENNIAL HIGH SCHOOL
2nd ELECT. DIST. HOWARD CO. MARYLAND
OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
8045 ROUTE # 32 COLUMBIA, MD. 21044

SDP NO: SDP-75-86
DRAWN BY JOB NUMBER
DATE MAY, 1975 SHEET NUMBER
REVISIONS
Rev. Δ Revised
SHEET TOTAL 6-12-14
G-5
6 OF 40 50 Δ



Note: See Sheet 29 For Building Addition.

Note: See Sheet 29 For New Parking Lot

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
C. Wayne Ray Date 8-16-75
Signature
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Approved Philip Zylka Date 8-20-75
Howard S.C.D.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
W. O. Pickett, Jr. 9/2/75
DIRECTOR
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND DESIGN
Thomas J. Arning 9-8-75
PLANNING DIRECTOR
J. H. Clawson 9/5/75
CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. O. Pickett, Jr. 9-2-75
DIRECTOR
D. M. Prosser 8/21/75
CHIEF BUREAU OF HIGHWAYS

DEVELOPER'S CERTIFICATION
"I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control and I also authorize periodic on-site inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary". Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.
Donald J. Beggs 3/13/75
Date
DESIGN 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."
H. S. P. 3-15-75
Date

STATE OF MARYLAND
UNITED PROFESSIONAL ENGINEERS
REGISTERED PROFESSIONAL ENGINEER
Stanley H. Arthur
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. 16136 Expiration Date: 8-15-14

SCALE: 1" = 40'

ASSOCIATED ENGINEERS, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-589-7311

NOTE: TEMPORARILY BLOCK THROAT TO INLET I-4 AND INCREASE DEPTH OF SED. TRAP "F" TO 3'-0" FEET IN LIEU OF DIMENSION GIVEN IN TABLE ON DRAWG. G-5

ADDENDUM #4
5-21-75

GRADE AT OUTFALL OF SED. TRAP "D" TO DRAIN TO EXISTING 15" CULVERT

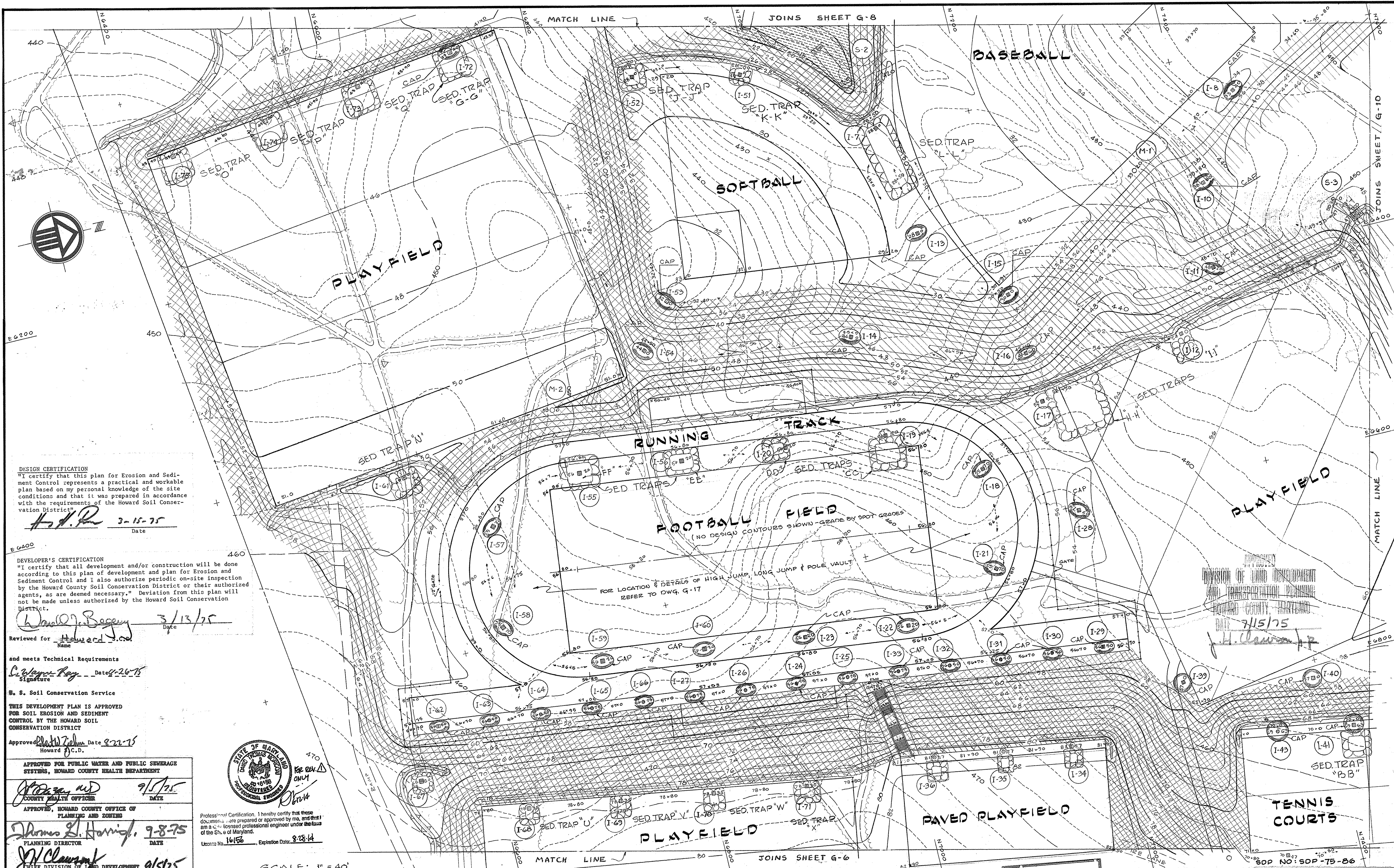
APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 7/15/75
J. H. Clawson

STATE OF MARYLAND
REGISTERED PROFESSIONAL ENGINEER
Stanley H. Arthur
REVISION 9/14/10
FISHER, COLLINS & CARTER, INC.
REV. 5-20-75 ENTRANCE REVISION
A, I, G, H & I-4
EXTENT OF COMPACTED FILL AREA SOUTH OF BLDG. (ADDITIONAL)
SDP NO: SDP-75-86

STANLEY H. ARTHUR A.I.A. ARCHITECT

4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE GRADING PLAN	REVISOR REVISOR SITE DEVELOPMENT PLAN	DRAWN BY 468-74	JOB NUMBER 468-74
JOB TITLE CENTENNIAL HIGH SCHOOL	DATE MAY, 1979	DATE MAY, 1979	SHEET NUMBER G-6
OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND 8045 ROUTE # 32 COLUMBIA MD. 21044		REVISIONS 9-14-10 Revised Sheet Numbers Parking Lot Add On Loop	



DESIGN 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."

H.S.P. 3-15-75
 Date

DEVELOPER'S CERTIFICATION
 "I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control and I also authorize periodic on-site inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary." Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District."

Walter J. Seguy 3/13/75
 Date

Reviewed for *Howard Co.*
 Name

and meets Technical Requirements
C. Wayne Ray Date 4-26-75
 Signature

H. S. Soil Conservation Service

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

Approved *Howard Co. D.* Date 9-22-75
 Howard Co. D.

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

James W. D. 9/15/75
 COUNTY HEALTH OFFICER DATE

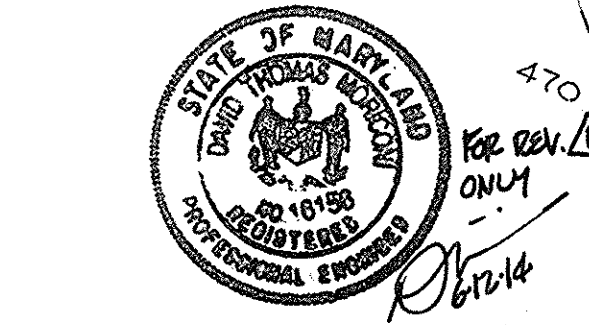
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Thomas L. Harvick 9-8-75
 PLANNING DIRECTOR DATE

J.H. Clary 9/15/75
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

W.O. Gilbert 9-2-75
 DIRECTOR DATE
J.H. McCreary 8/29/75
 CHIEF BUREAU OF HIGHWAYS DATE



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: 8-25-84

SCALE: 1" = 40'

STANLEY H. ARTHUR A.I.A. ARCHITECT
 4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE: **GRADING PLAN** REVISED SITE DEVELOPMENT PLAN
 JOB TITLE: **CENTENNIAL HIGH SCHOOL**
 2nd ELECT. DIST. HOWARD CO. MARYLAND
 OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
 8045 ROUTE # 32 COLUMBIA, MD. 21044

DRAWN BY: **468-74**
 JOB NUMBER: **468-74**
 DATE MAY, 1979 SHEET NUMBER
 REVISIONS: **G-7**
 REV. Δ REVISED SHEET TOTAL 6-12-14
 8 OF 46 50 Δ

DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 9/15/75
J.H. Clary

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
J. J. [Signature] 9/15/75
 COUNTY HEALTH OFFICER DATE

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
J. J. [Signature] 9-8-75
 PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
J. H. [Signature] 9/15/75
 CHIEF DIVISION OF LAND DEVELOPMENT TRANSPORTATION PLANNING DATE

W. J. [Signature] 9-2-75
 DIRECTOR DATE

P. H. [Signature] 8/24/75
 CHIEF BUREAU OF HIGHWAYS DATE

Reviewed for Howard S.C.D. Name

and meets Technical Requirements
S. [Signature] Date 8-26-75
 Signature

U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved *[Signature]* Date 8-22-75
 Howard S.C.D.

DEVELOPER'S CERTIFICATION
 "I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control and I also authorize periodic on-site inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary." Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.
Daniel J. Bogey 3/13/75
 Date

DESIGN 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."
H. I. P. 3-15-75
 Date

TRAP NO.	TRIB. AREA (ACRES)	REQ'D CAP* (CU. YDS.)	TRAP DIMENSIONS (FT)**			ACTUAL CAP. (CU. YDS.)	WEIR OUTFALL***	
			LENGTH	WIDTH	DEPTH		WEIR WIDTH (FT)	OVERALL OUT-FALL WIDTH (FT)
A	3.10	208.00	65	20	3	209.00	8	16
B	1.58	105.86	30	20	3	108.00	5	13
C	0.81	54.27	23	10	3	55.56	5	13
D	2.10	140.70	42	20	3	142.66	5	13
E	0.71	47.57	20	10	3	50.22		
F	1.18	79.06	30	27	2	79.26		
G	1.80	120.60	33	20	3	122.33		
H	0.47	31.49	55	15	1	33.44		
I	1.59	106.56	30	20	3	108.00		
J	0.51	34.17	11	10	3	34.22		
K	1.62	108.54	32	20	3	113.77		
L	0.22	14.74	10	10	2	15.70		
M	0.27	18.09	17	12	2	20.15		
N	0.85	56.95	17	15	3	57.67		
O	0.80	53.60	23	23	2	55.18		
P	0.79	52.93	23	23	2	55.18		
Q	0.79	52.93	23	23	2	55.18		
R	3.69	247.23	20	19	6	252.42	8	16
S	3.80	254.60	20	20	6	259.56	8	16
T	1.23	82.30	39	10	3	84.00	5	13
U	0.38	25.46	16	7	3	26.11		
V	0.39	26.13	18	8	3	27.88		
W	0.41	27.47	14	9	3	29.67		
X	0.56	37.52	10	13	3	37.78		
Y	0.41	27.47	10	9	3	29.67		
Z	0.17	11.39	10	7	2	11.59		
AA	0.17	11.39	10	7	2	11.59		
BB	0.84	56.28	17	15	3	57.67		
CC	1.27	85.09	23	20	3	87.78		
DD	0.55	36.85	13	10	3	37.78		
EE	0.97	64.99	21	15	3	67.00		
FF	1.37	91.97	25	20	3	93.56		
GG	0.79	52.93	23	23	3	55.18		
HH	3.80	254.60	44	40	3	259.96		
II	0.46	30.82	10	10	3	32.44		
JJ	0.92	61.64	19	15	3	62.33		
KK	0.42	28.14	10	9	3	29.67		
LL	3.05	204.35	64	20	3	206.22		
NM	0.90	60.30	19	15	3	62.33		
NN	0.85	56.95	17	15	3	57.67		

* REQUIRED CAPACITY BASED ON 67 CU. YDS. REQUIRED VOLUME PER DISTURBED ACRE
 ** LENGTH AND WIDTH DIMENSIONS ARE AT BASE OF TRAP
 *** SEE ALSO SEDIMENT TRAPS ON SEDIMENT CONTROL PLAN AND APPLICABLE DETAILS IN THIS CONTRACT

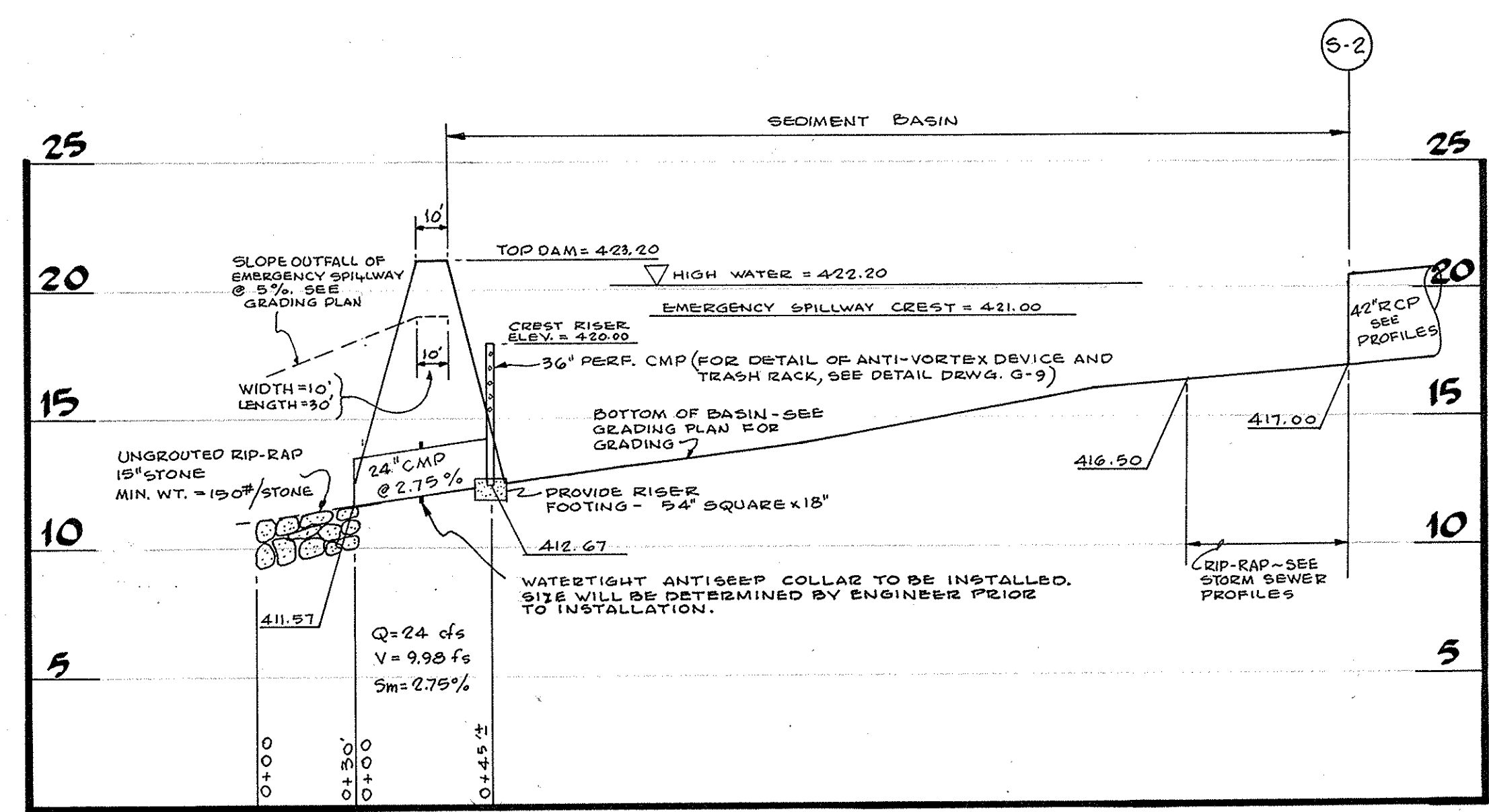
NOTE: REFER TO CONSTRUCTION SEQUENCE

FOR PROFILE FROM S-2 THROUGH PIPE SPILLWAY, SEE PROFILE, DRWG. G-8

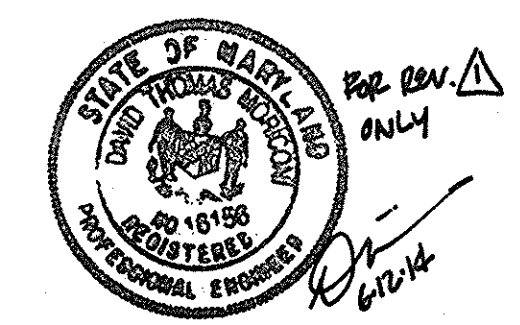
FOR DETAIL OF RISER, SPILLWAY PIPE AND ANTI-VORTEX DEVICE, SEE DETAIL DRWG. G-9

FOR SECTION THROUGH ENTIRE WIDTH OF DAM AND EMERGENCY SPILLWAY, SEE SECTION, DRWG. G-10

FOR SECTION THROUGH EMERGENCY SPILLWAY AND ENTRANCE AND EXIT CHANNELS SEE SECTION, DRWG. G-11

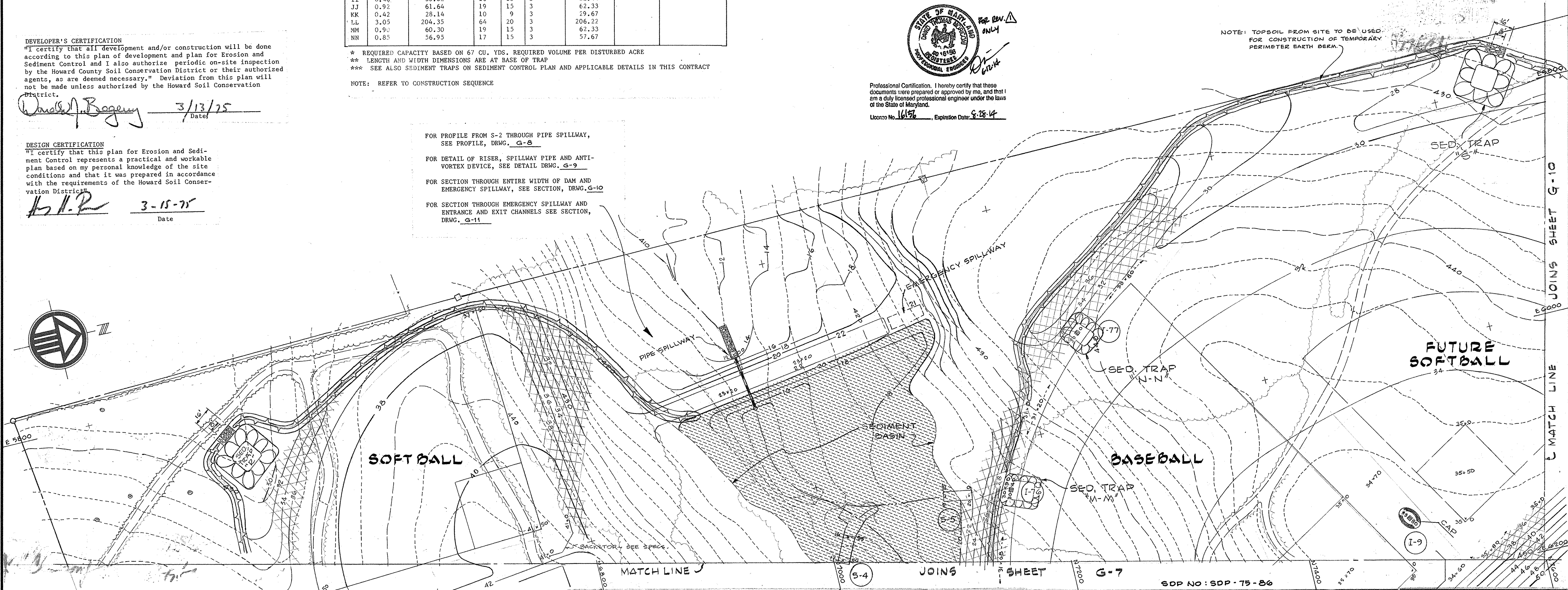


SEDIMENT BASIN SECTION
 NOT TO SCALE



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. 16152, Expiration Date 8-25-84

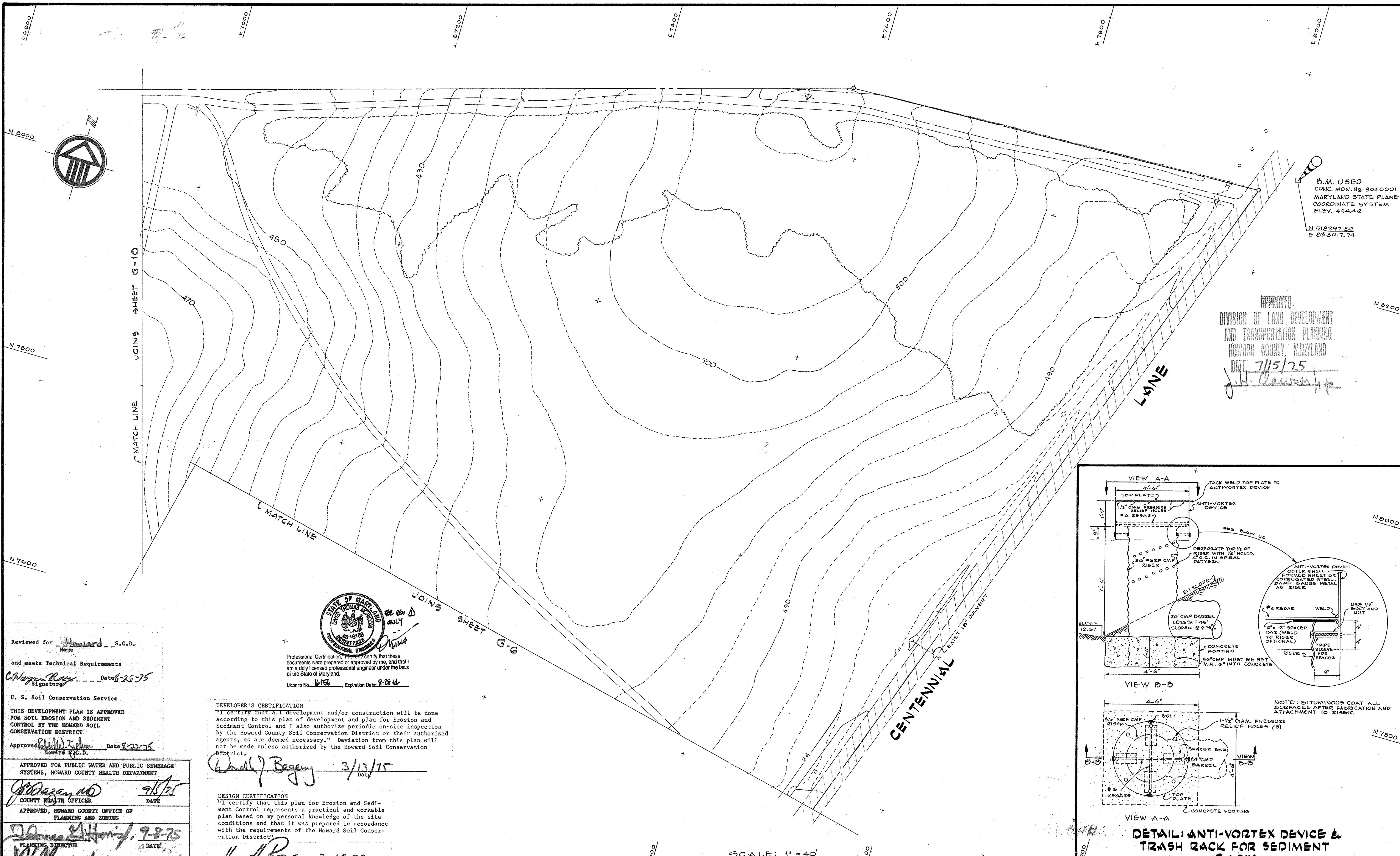
NOTE: TOPSOIL FROM SITE TO BE USED FOR CONSTRUCTION OF TEMPORARY PERIMETER EARTH BERM.



 ASSOCIATED ENGINEERS, INC. CIVIL ENGINEERS & LAND SURVEYORS 8555 SIXTEENTH STREET SILVER SPRING, MARYLAND 20910 TEL. 301-589-7311	SCALE: 1" = 40' STANLEY H. ARTHUR A.I.A. ARCHITECT 4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888	SHEET TITLE GRADING PLAN	DRAWN BY [Signature]	JOB NUMBER 468-74
		JOB TITLE CENTENNIAL HIGH SCHOOL 2nd ELECT. DIST. HOWARD CO. MARYLAND OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND 8045 ROUTE # 32 COLUMBIA, MD. 21044	DATE MAY 1975 REVISIONS REV. A REVISED SHEET TOTAL 6/12/74	SHEET NUMBER G-8 9 OF 40 50

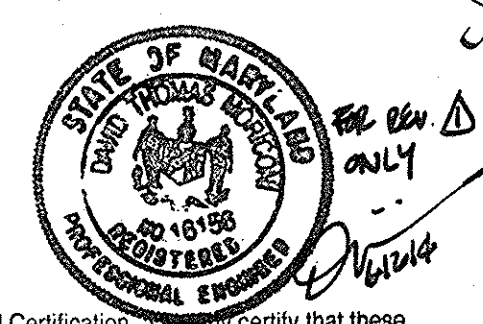
SDP NO: SDP-75-86

SDP-75-86



B.M. USED
 CONC. MON. No. 3040001
 MARYLAND STATE PLANE
 COORDINATE SYSTEM
 ELEV. 494.42
 N 518297.66
 E 838017.74

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
J. H. Clausen



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 9-28-84

Reviewed for Howard S.C.D.
 Name
 and meets Technical Requirements
C. Wayne Roney Date 6-26-75
 Signature

U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved *Donald J. Begany* Date 8-22-75
 Howard S.C.D.

DEVELOPER'S CERTIFICATION
 "I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control and I also authorize periodic on-site inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary." Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.
Donald J. Begany 3/13/75
 Date

DESIGN 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."
H. S. R. 3-15-75
 Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
J. P. ... 9/5/75
 COUNTY HEALTH OFFICER DATE

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
James E. ... 9-8-75
 PLANNING DIRECTOR DATE

J. H. Clausen 9/5/75
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

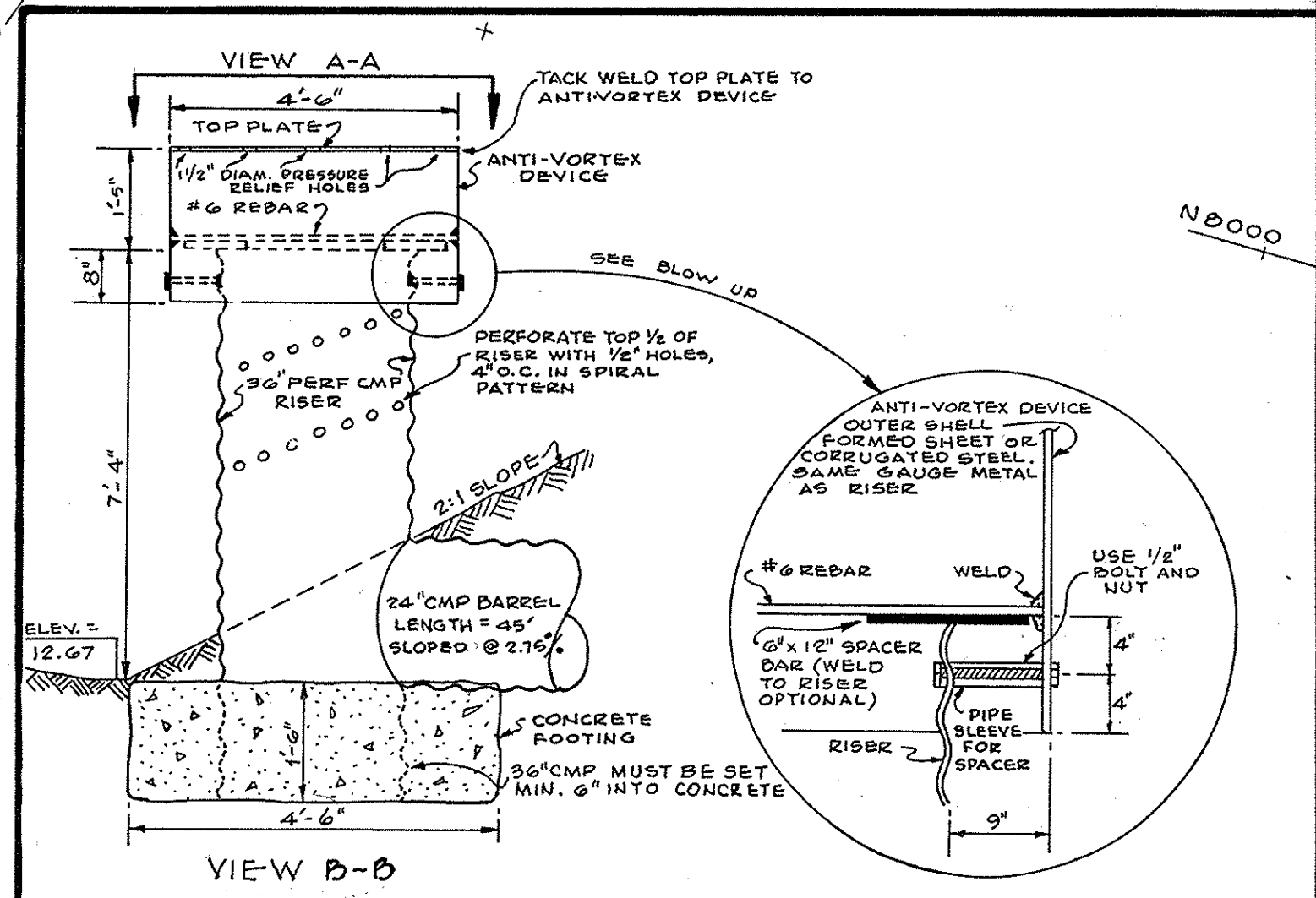
APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. O. ... 9-2-75
 DIRECTOR DATE

D. H. ... 8/29/75
 CHIEF BUREAU OF HIGHWAYS DATE

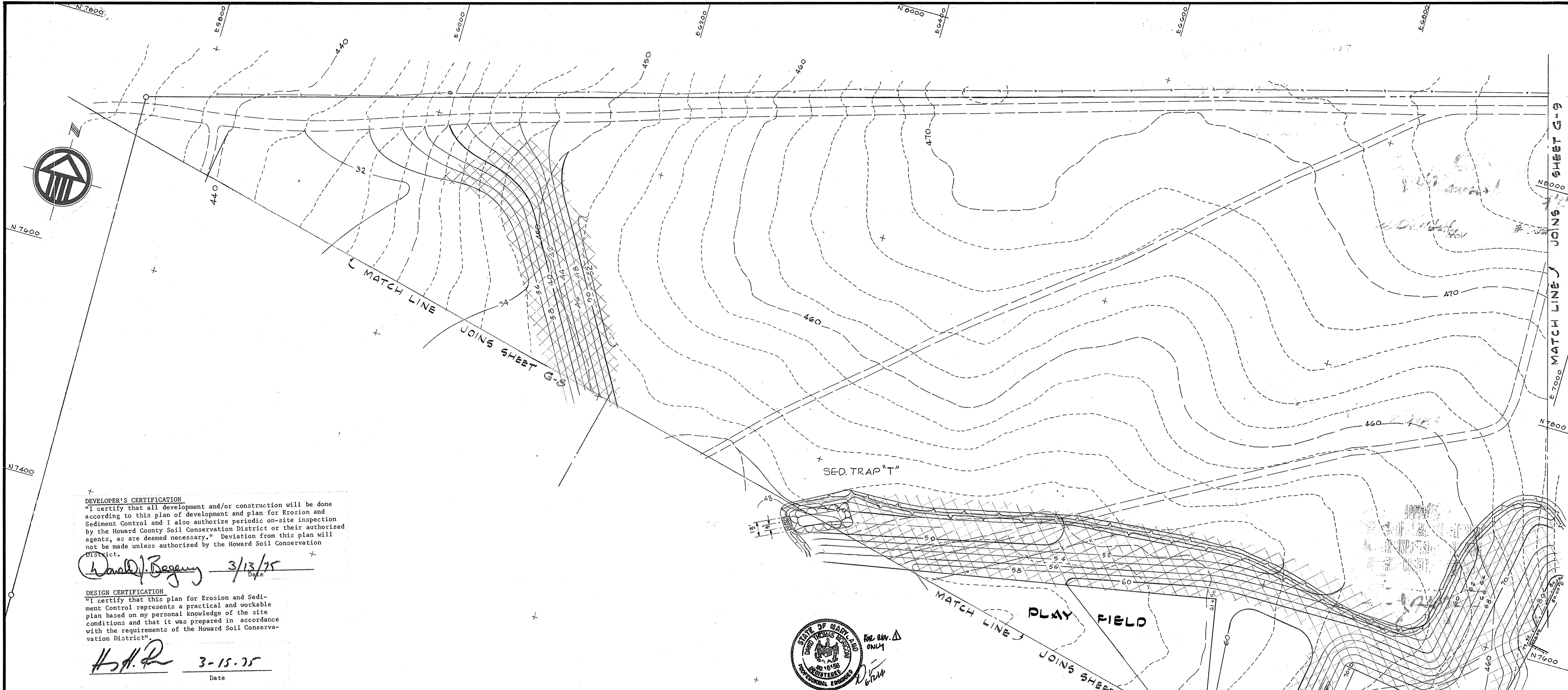
ASSOCIATED ENGINEERS, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 8555 SIXTEENTH STREET
 SILVER SPRING, MARYLAND 20910
 TEL. 301-589-7311

STANLEY H. ARTHUR A.I.A. ARCHITECT
 4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE GRADING PLAN	DRAWN BY REVISIONS SITE DEVELOPMENT PLAN	JOB NUMBER 408-74
JOB TITLE CENTENNIAL HIGH SCHOOL	DATE MAY, 1975	SHEET NUMBER G-9
OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND 8045 ROUTE # 32 COLUMBIA, MD. 21044		REVISIONS REV. A REVISION SHEET TOTAL 6/12/74



DETAIL: ANTI-VORTEX DEVICE & TRASH RACK FOR SEDIMENT BASIN
 NOT TO SCALE

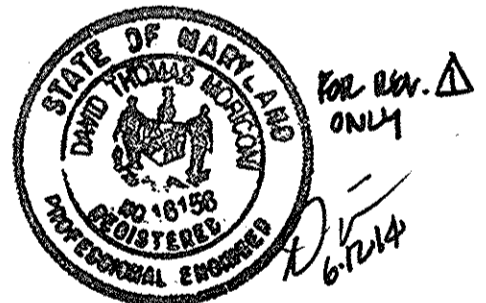


DEVELOPER'S CERTIFICATION
 "I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control and I also authorize periodic on-site inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary." Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

Donald J. Begany 3/13/75
 Date

DESIGN 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."

H.S.A. 3-15-75
 Date



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: 8-25-14

Reviewed for Howard S.C.D.
 Name

and meets Technical Requirements
C. Wayne Ray Date 8-26-75
 Signature

U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

Approved *Robert J. Tolson* Date 8-22-75
 Howard S.C.D.

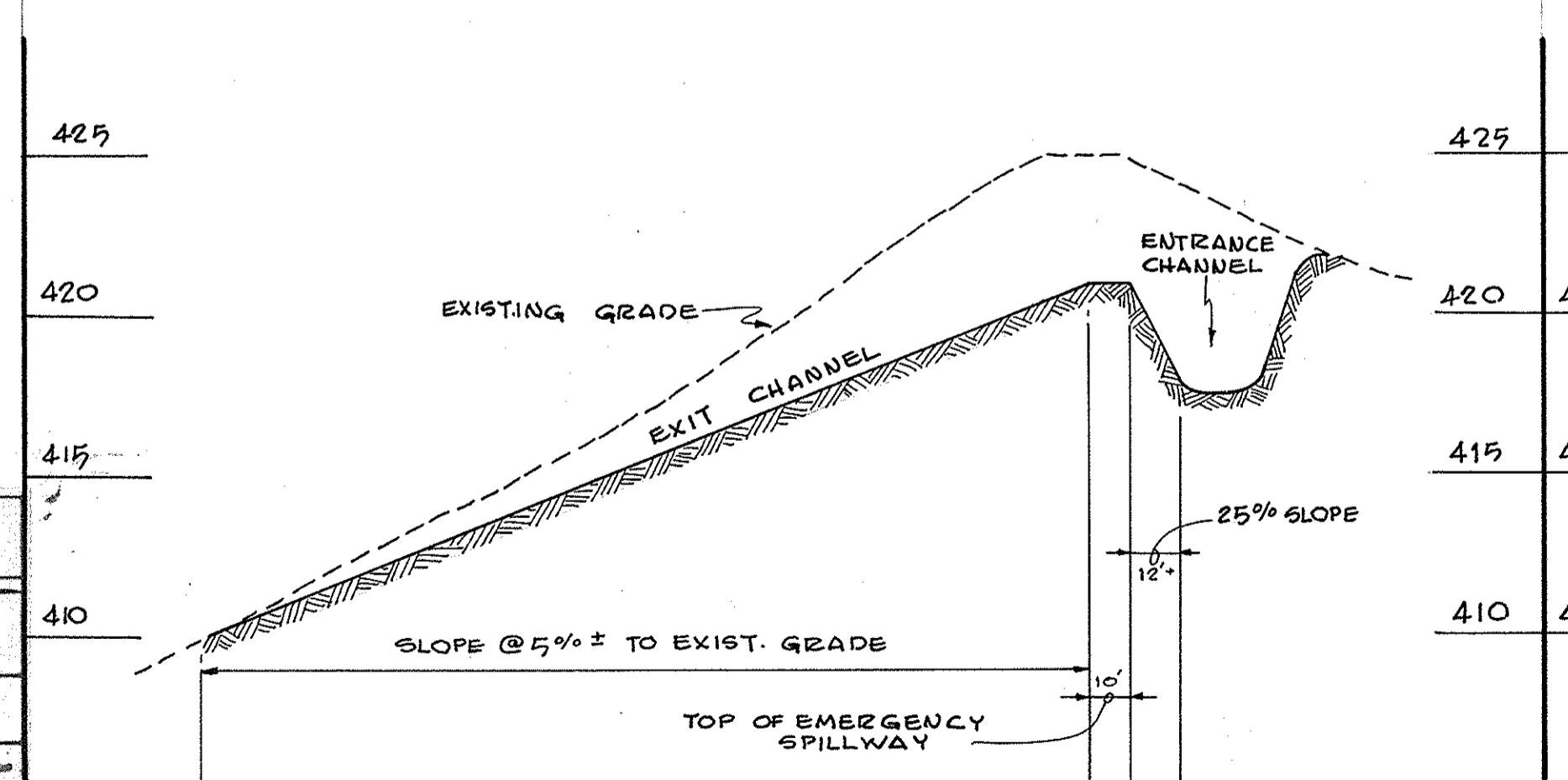
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
J.P. O'Sullivan 9/15/75
 COUNTY HEALTH OFFICER DATE

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING

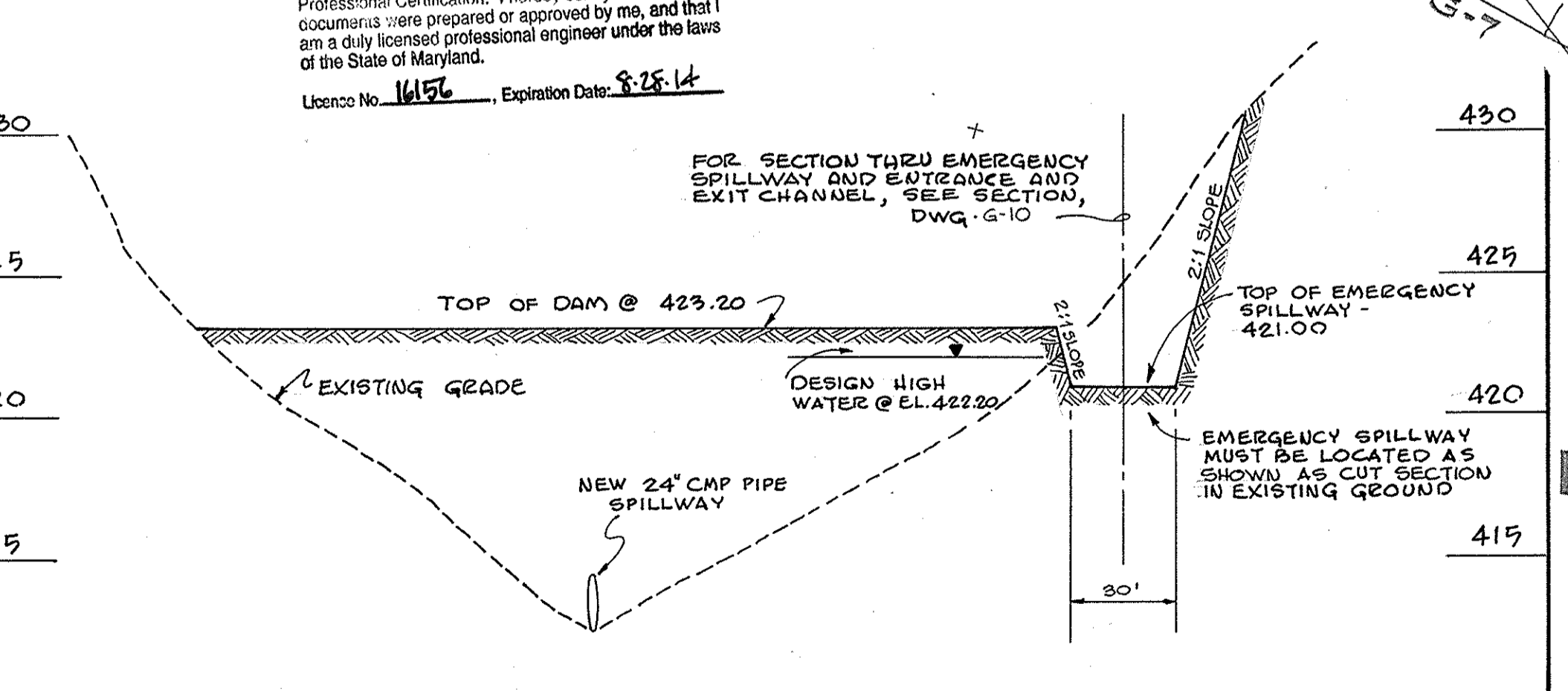
Thomas L. Harris 9-8-75
 PLANNING DIRECTOR DATE
J.H. Clauson Jr. 9/15/75
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

W.O. Alford 9-2-75
 DEPARTMENT CHIEF DATE
R.M. McKeown 8/29/75
 CHIEF BUREAU OF HIGHWAYS DATE



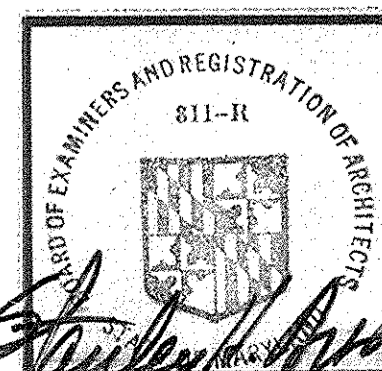
SECTION THRU EMERGENCY SPILLWAY AND EXIT AND ENTRANCE CHANNELS
 SCALES: HOR. - 1" = 40' VERT. - 1" = 5'



SECTION THRU ENTIRE WIDTH OF DAM AND EMERGENCY SPILLWAY FOR SEDIMENT BASIN
 SCALES: HOR. - 1" = 40' VERT. - 1" = 5'

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
J.H. Clauson Jr.
 SCALE: 1" = 40'

ASSOCIATED ENGINEERS, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 8555 SIXTEENTH STREET
 SILVER SPRING, MARYLAND 20910
 TEL. 301-569-7311



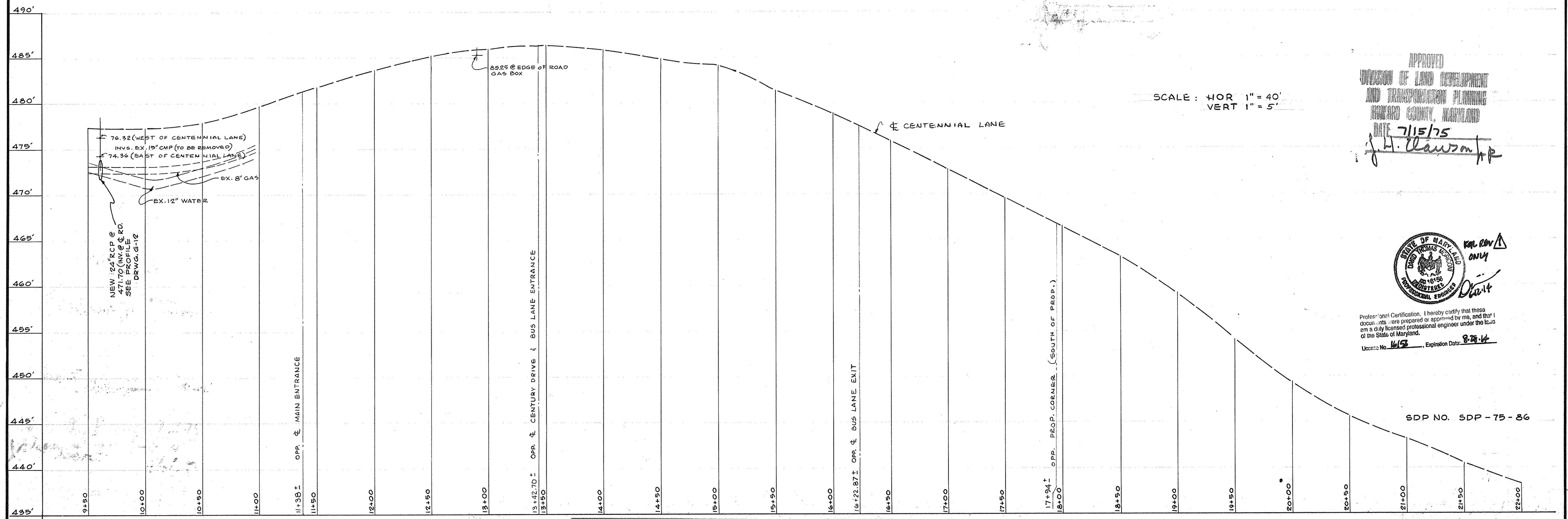
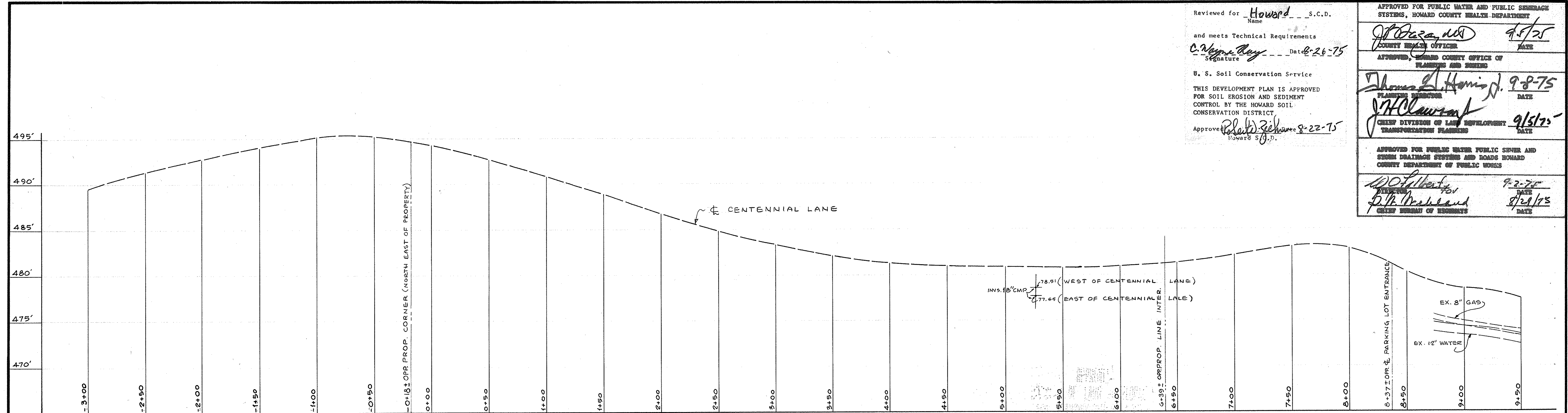
STANLEY H. ARTHUR A.I.A. ARCHITECT
 4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE **GRADING PLAN** **REVISED SITE DEVELOPMENT PLAN**
 JOB TITLE **CENTENNIAL HIGH SCHOOL**
 2nd ELECT. DIST. HOWARD CO. MARYLAND
 OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
 8045 ROUTE # 32 COLUMBIA, MD. 21044

SDP No. = SDP-75-86
 DRAWN BY JOB NUMBER
 DATE MAY, 1975 SHEET NUMBER
 REVISIONS
 REV. Δ REVISED SHEET TOTAL 6/21/4
G-10
 11 OF 40 50 Δ

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
Signature C. Wayne Ray Date 8-26-75
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED
FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL
CONSERVATION DISTRICT
Approved Robert Zehner 8-22-75
Howard S.C.D.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
J. H. Lawson 9-5-75
COUNTY HEALTH OFFICER
DATE
APPROVED, HOWARD COUNTY OFFICE OF
PLANNING AND ZONING
James L. Harris 9-8-75
PLANNING DIRECTOR
DATE
J. H. Lawson 9/15/75
CHIEF DIVISION OF LAND DEVELOPMENT
TRANSPORTATION PLANNING
DATE
APPROVED FOR PUBLIC WATER PUBLIC SEWER AND
STORM DRAINAGE SYSTEMS AND ROADS HOWARD
COUNTY DEPARTMENT OF PUBLIC WORKS
W. J. Roberts 9-2-75
DIRECTOR
DATE
P. B. McKeand 8/29/75
CHIEF BUREAU OF HIGHWAYS
DATE



APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 7/15/75
J. H. Lawson P.E.



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. 14158, Expiration Date: 8-28-74

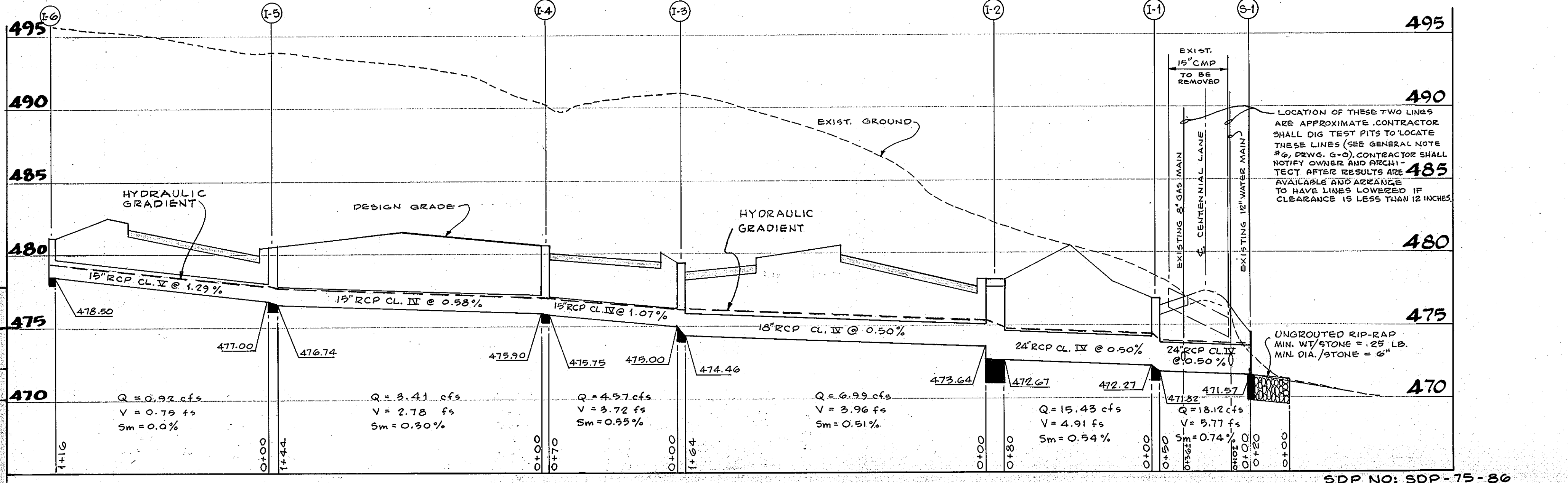
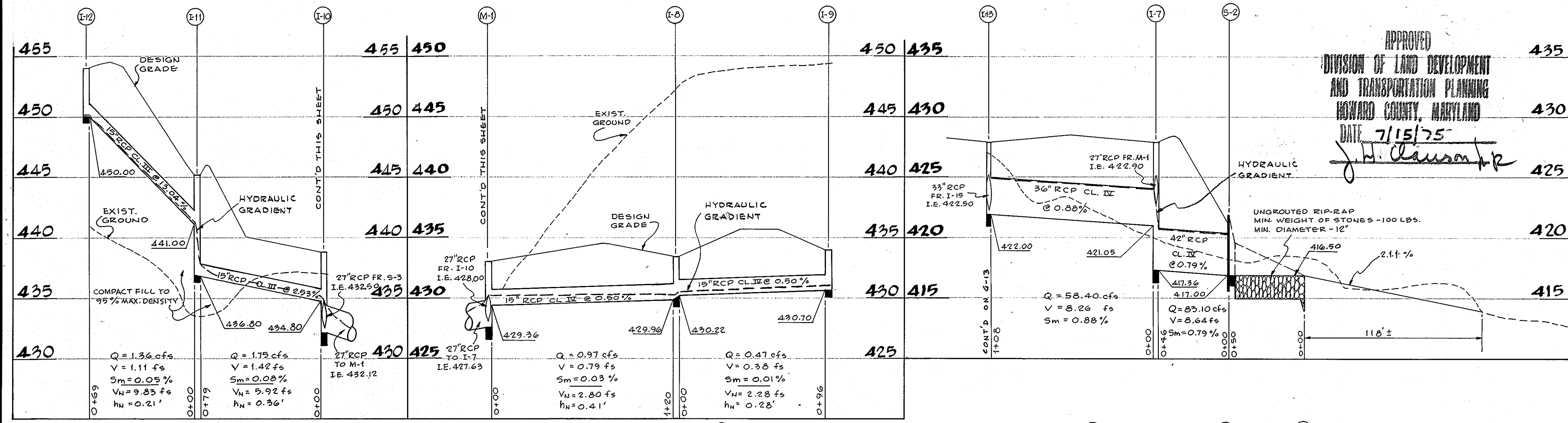
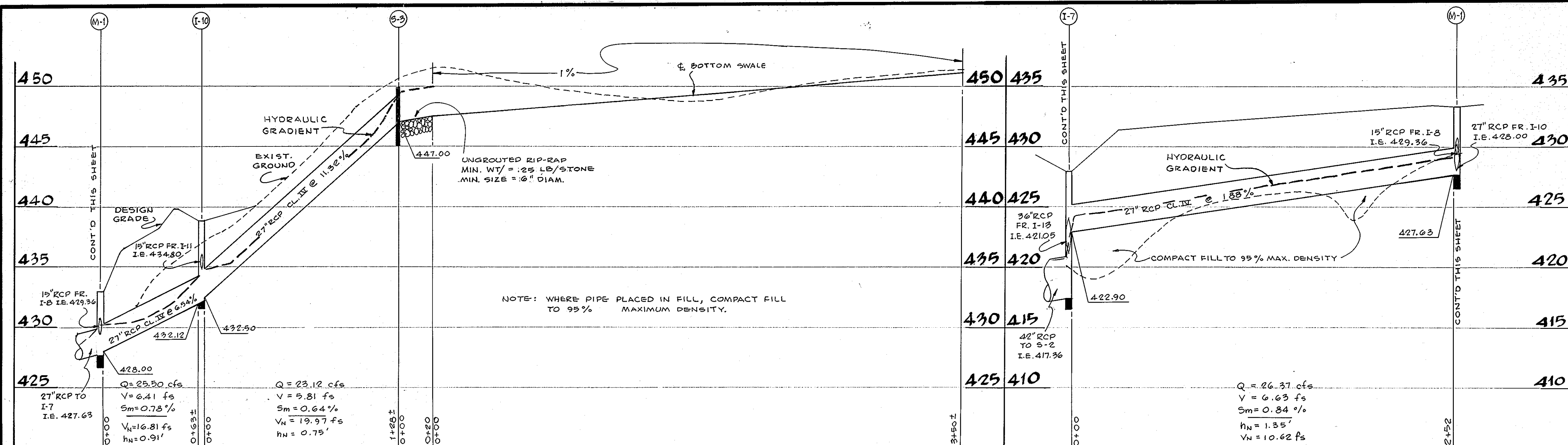
ASSOCIATED ENGINEERS, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-589-7311



STANLEY H. ARTHUR A.I.A. ARCHITECT
4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE CENTENNIAL LANE & PROFILE	DRAWN BY 408-74	JOB NUMBER 408-74
JOB TITLE CENTENNIAL HIGH SCHOOL 2nd ELECT. DIST. HOWARD CO. MARYLAND OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND 8045 ROUTE # 32 COLUMBIA, MD. 21044	DATE MAY, 1975	SHEET NUMBER G-11 12 OF 40 50 Δ

SDP-75-86



STORM DRAINAGE STRUCTURE TABLE				
NO.	TYPE	TOP ELEV.	INV. OUT.	REMARKS
I-1	A-1 INLET	477.58	471.82	D.P.W. STD. SDD-29
I-2	B-1 INLET	478.18	472.67	D.P.W. STD. SDD-31
I-3	A-1 INLET	479.33	474.46	D.P.W. STD. SDD-29
I-4	A-1 INLET	480.58	475.75	DPW STD SDD-29
I-5	A-1 INLET	480.58	476.74	DPW STD SDD-29
I-6	YARD DRAIN	481.00	478.50	SEE DETAIL
I-7	E INLET	428.00	417.36	D.P.W. STD. SDD-35
I-8	YARD DRAIN	433.40	429.96	SEE DETAIL
I-9	YARD DRAIN	433.80	430.70	SEE DETAIL
I-10	YARD DRAIN	438.80	432.12	SEE DETAIL
I-11	YARD DRAIN	448.20	436.80	SEE DETAIL
I-12	YARD DRAIN	454.00	450.00	SEE DETAIL
I-13	E INLET	428.00	422.00	D.P.W. STD. SDD-35
I-14	YARD DRAIN	446.00	440.90	SEE DETAIL
I-15	E INLET	430.00	424.33	D.P.W. STD. SDD-35
I-16	E INLET	444.60	433.65	D.P.W. STD. SDD-35
I-17	E INLET	452.50	443.03	D.P.W. STD. SDD-35
I-18	YARD DRAIN	455.70	450.69	SEE DETAIL
I-19	YARD DRAIN	456.20	453.05	SEE DETAIL
I-20	YARD DRAIN	456.20	453.75	SEE DETAIL
I-21	YARD DRAIN	455.70	451.37	SEE DETAIL
I-22	YARD DRAIN	456.20	452.18	SEE DETAIL
I-23	YARD DRAIN	456.20	452.88	SEE DETAIL
I-24	SPECIAL INLET	456.75	453.35	SEE DETAIL
I-25	SPECIAL INLET	456.75	454.25	SEE DETAIL
I-26	SPECIAL INLET	456.75	453.80	SEE DETAIL
I-27	SPECIAL INLET	456.75	454.25	SEE DETAIL
I-28	E INLET	452.50	446.26	D.P.W. STD. SDD-35
I-29	MOD. YARD DRAIN	456.50	449.24	SEE NOTE # AT END OF STRUCTURE TABLE.
I-30	SPECIAL INLET	456.50	453.23	SEE DETAIL
I-31	SPECIAL INLET	456.50	453.83	SEE DETAIL
I-32	SPECIAL INLET	456.50	454.16	SEE DETAIL
I-33	SPECIAL INLET	456.75	454.50	SEE DETAIL
I-34	YARD DRAIN	481.57	467.17	SEE DETAIL
I-35	YARD DRAIN	481.57	478.59	SEE DETAIL
I-36	YARD DRAIN	481.57	479.25	SEE DETAIL
I-37	YARD DRAIN	482.10	475.06	SEE DETAIL
I-38	YARD DRAIN	482.00	475.79	SEE DETAIL
I-39	E INLET	457.00	452.03	D.P.W. STD. SDD-35
I-40	YARD DRAIN	457.00	453.40	SEE DETAIL
I-41	YARD DRAIN	469.63	462.10	SEE DETAIL
I-42	YARD DRAIN	469.42	467.50	SEE DETAIL
I-43	YARD DRAIN	469.63	467.50	SEE DETAIL
I-44	YARD DRAIN	470.47	466.90	SEE DETAIL
I-45	YARD DRAIN	470.47	467.25	SEE DETAIL
I-46	YARD DRAIN	470.47	467.60	SEE DETAIL
I-47	A-1 INLET	478.33	468.55	D.P.W. STD. SDD-29
I-48	B-1 INLET	478.58	475.10	D.P.W. STD. SDD-31
I-49	B-1 INLET	479.28	475.48	D.P.W. STD. SDD-31
I-50	A-1 INLET	480.48	476.74	D.P.W. STD. SDD-29
I-51	MOD. YARD DRAIN	428.00	418.00	SEE NOTE # AT END OF STRUCTURE TABLE.
I-52	YARD DRAIN	428.00	423.84	SEE DETAIL
I-53	YARD DRAIN	432.00	427.75	SEE DETAIL
I-54	YARD DRAIN	444.00	437.52	SEE DETAIL
I-55	YARD DRAIN	456.20	477.88	SEE DETAIL
I-56	YARD DRAIN	456.20	452.16	SEE DETAIL
I-57	YARD DRAIN	455.70	449.08	SEE DETAIL
I-58	YARD DRAIN	455.70	450.16	SEE DETAIL
I-59	YARD DRAIN	456.20	451.22	SEE DETAIL
I-60	YARD DRAIN	456.20	452.20	SEE DETAIL
I-61	YARD DRAIN	448.00	444.38	SEE DETAIL

Reviewed for Howard S.C.D.
Name

and meets Technical Requirements
C. Wayne Ray Date 8-26-75
Signature

U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED
FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL
CONSERVATION DISTRICT.
Approved: Robert J. Johnson Date 8-27-75
Howard S.C.D.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
John J. ... 9/5/75
COUNTY HEALTH OFFICER DATE

APPROVED, HOWARD COUNTY OFFICE OF
PLANNING AND ZONING
James L. Harris 9-8-75
PLANNING DIRECTOR DATE

J.H. Clauson 9/5/75
CHIEF DIVISION OF LAND DEVELOPMENT
TRANSPORTATION PLANNING DATE

APPROVED FOR PUBLIC WATER PUBLIC SEWER AND
STORM DRAINAGE SYSTEMS AND ROAD HOWARD
COUNTY DEPARTMENT OF PUBLIC WORKS
W.O. ... 9-3-75
DATE
D.H. ... 8/29/75
DATE

SCALE : HOR. 1"=40'
VERT. 1"=5'

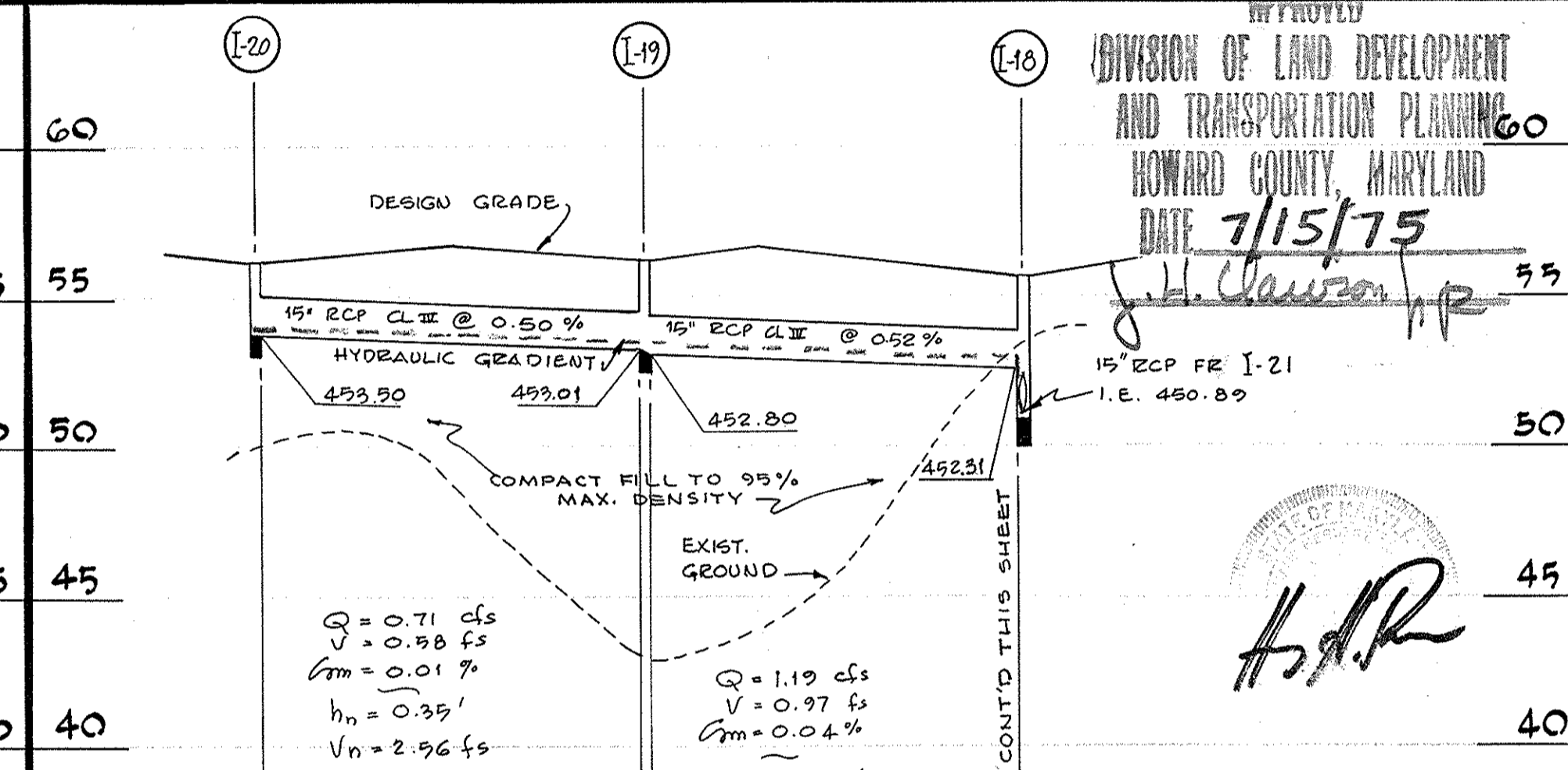
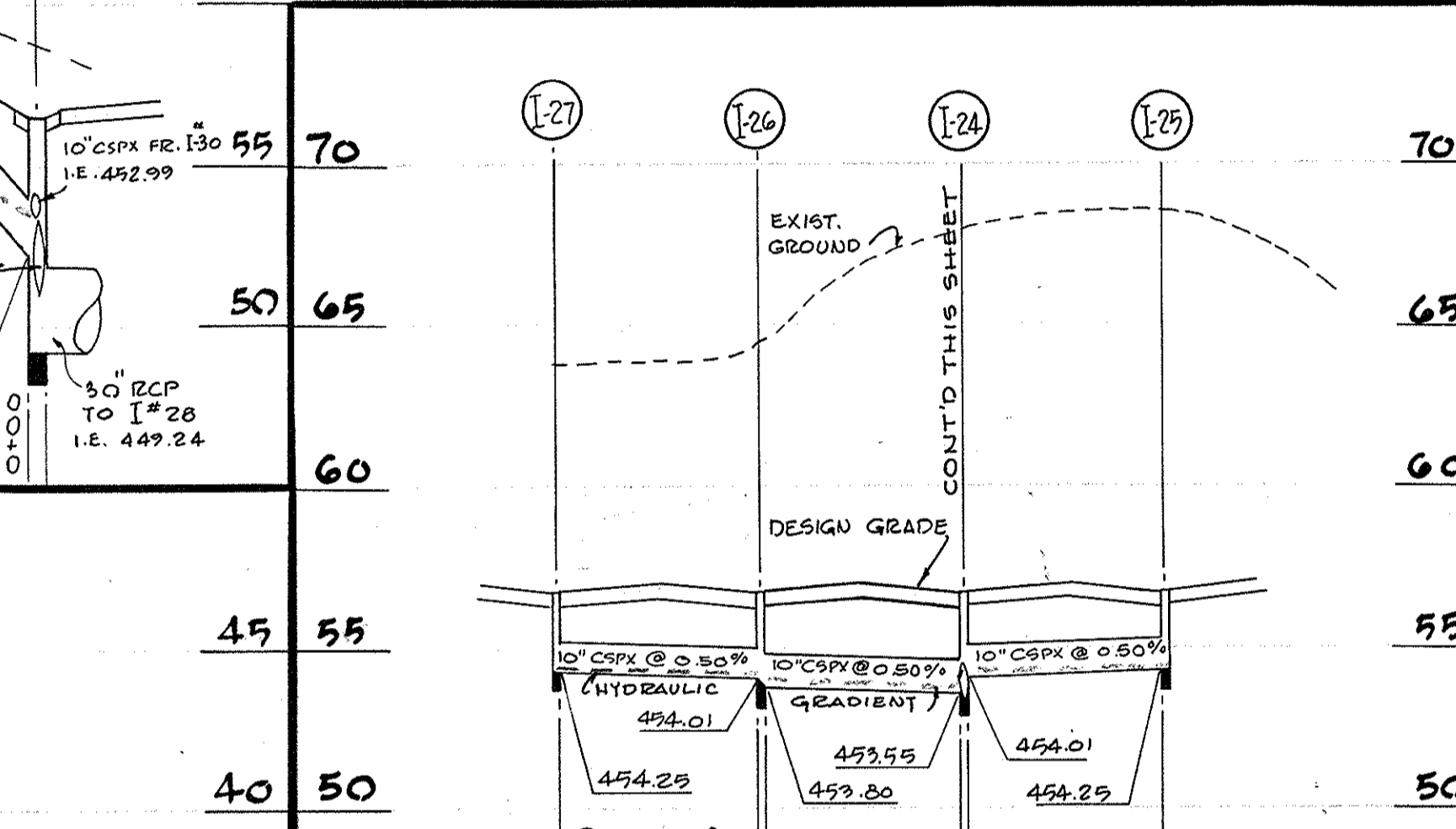
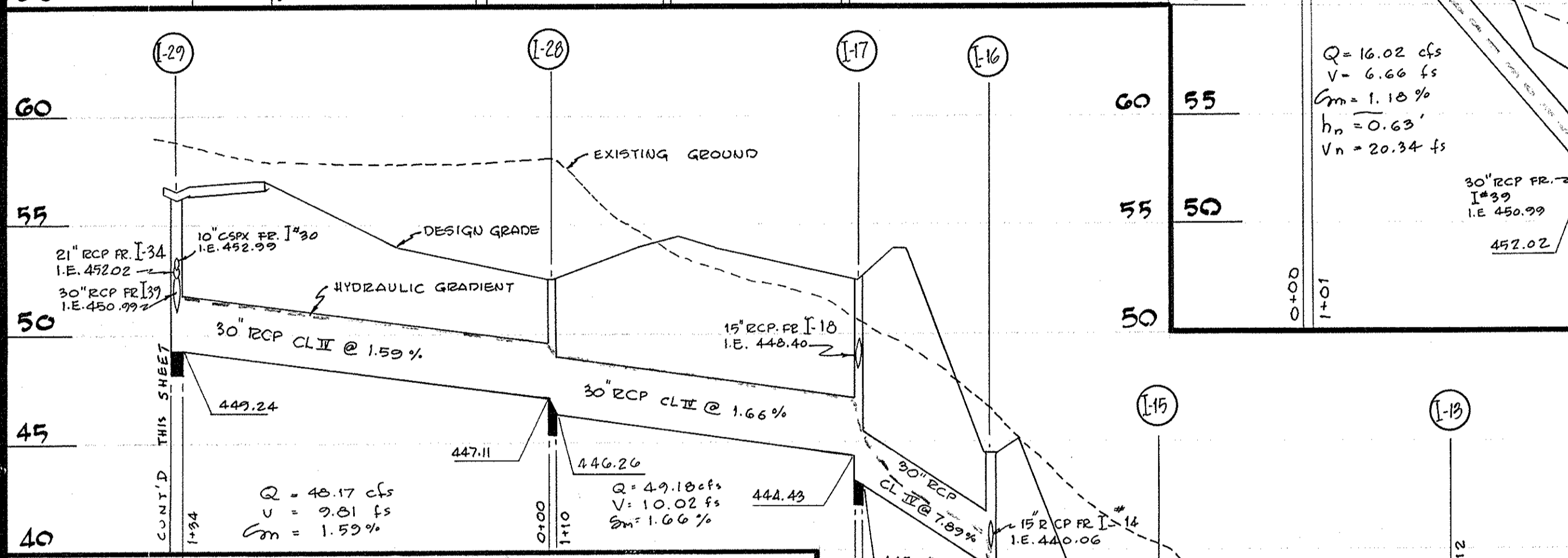
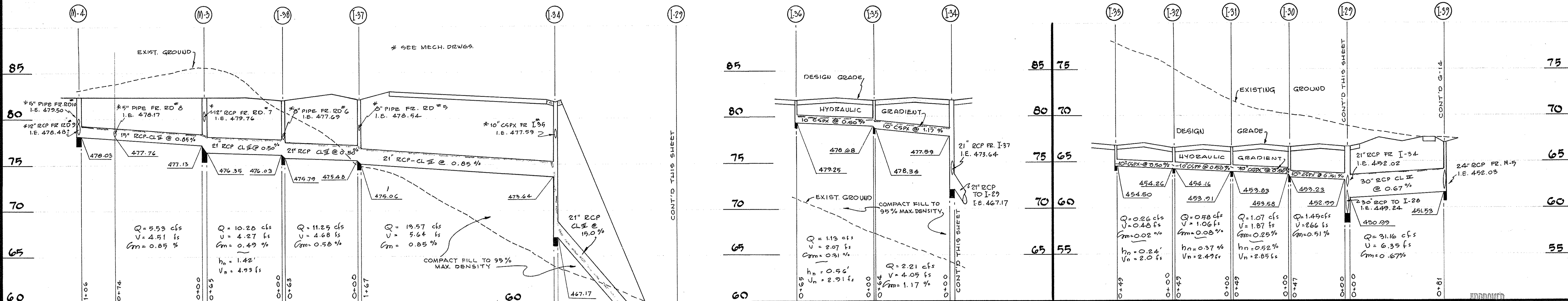


STANLEY H. ARTHUR A.I.A. ARCHITECT
4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

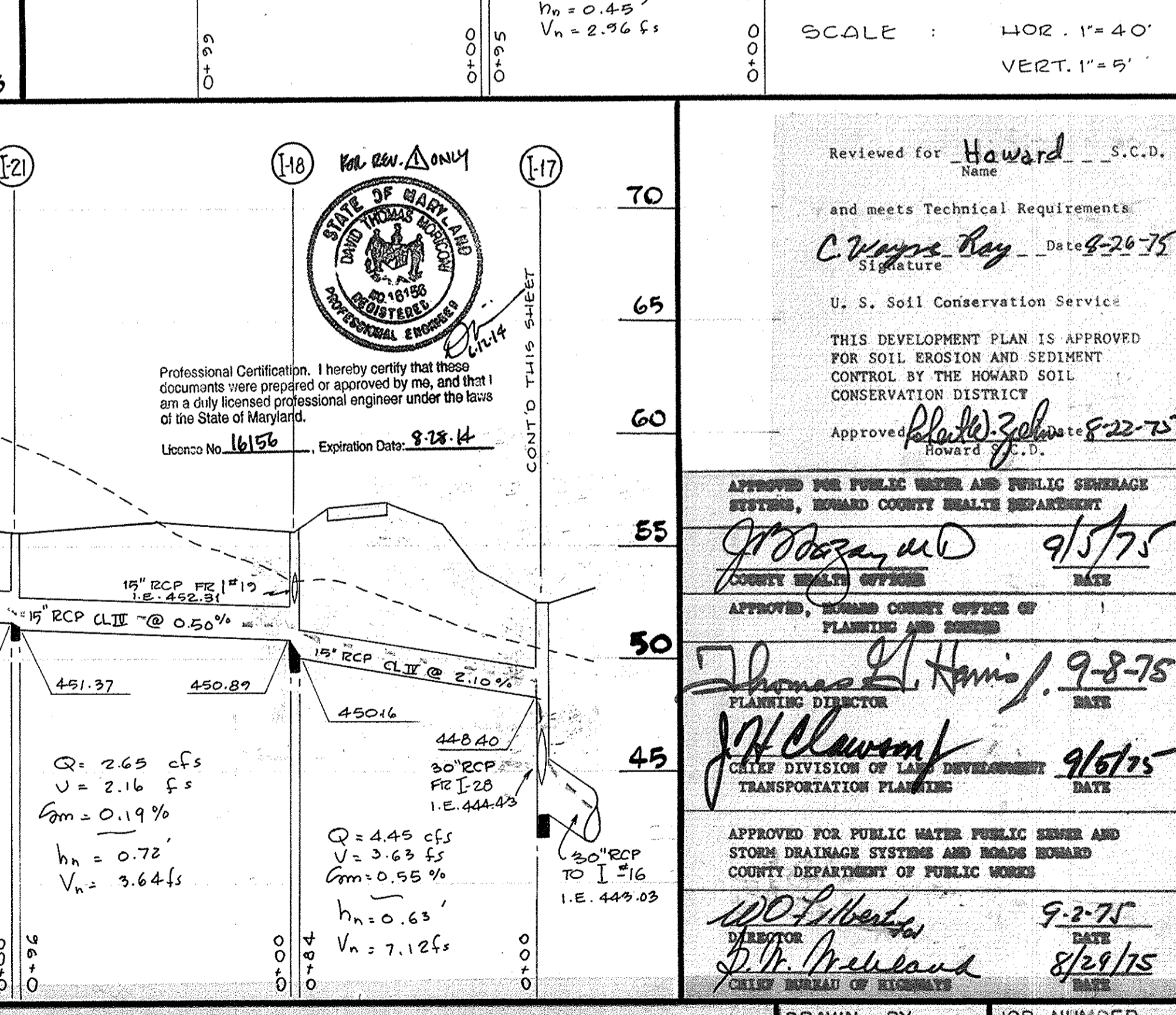
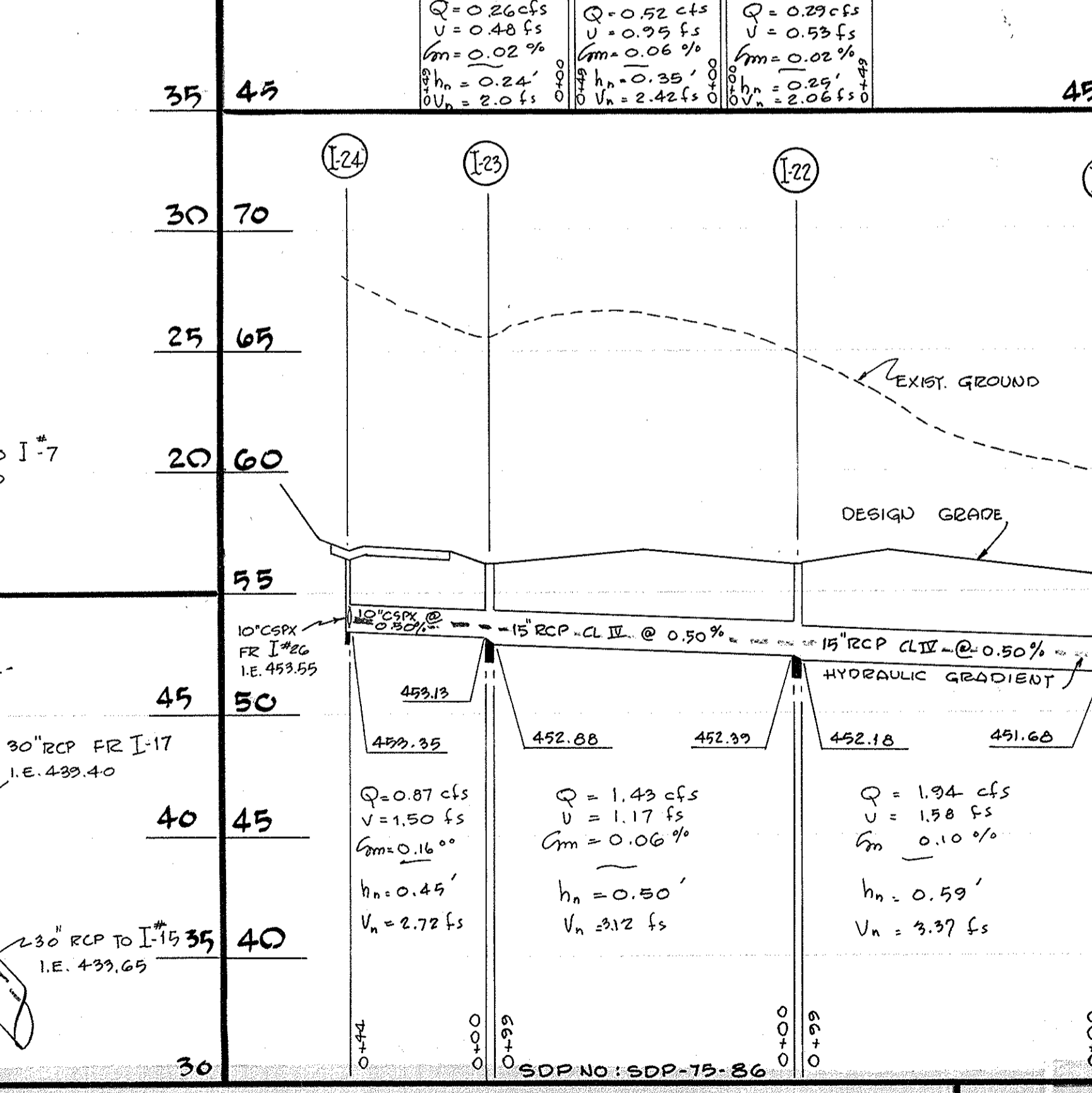
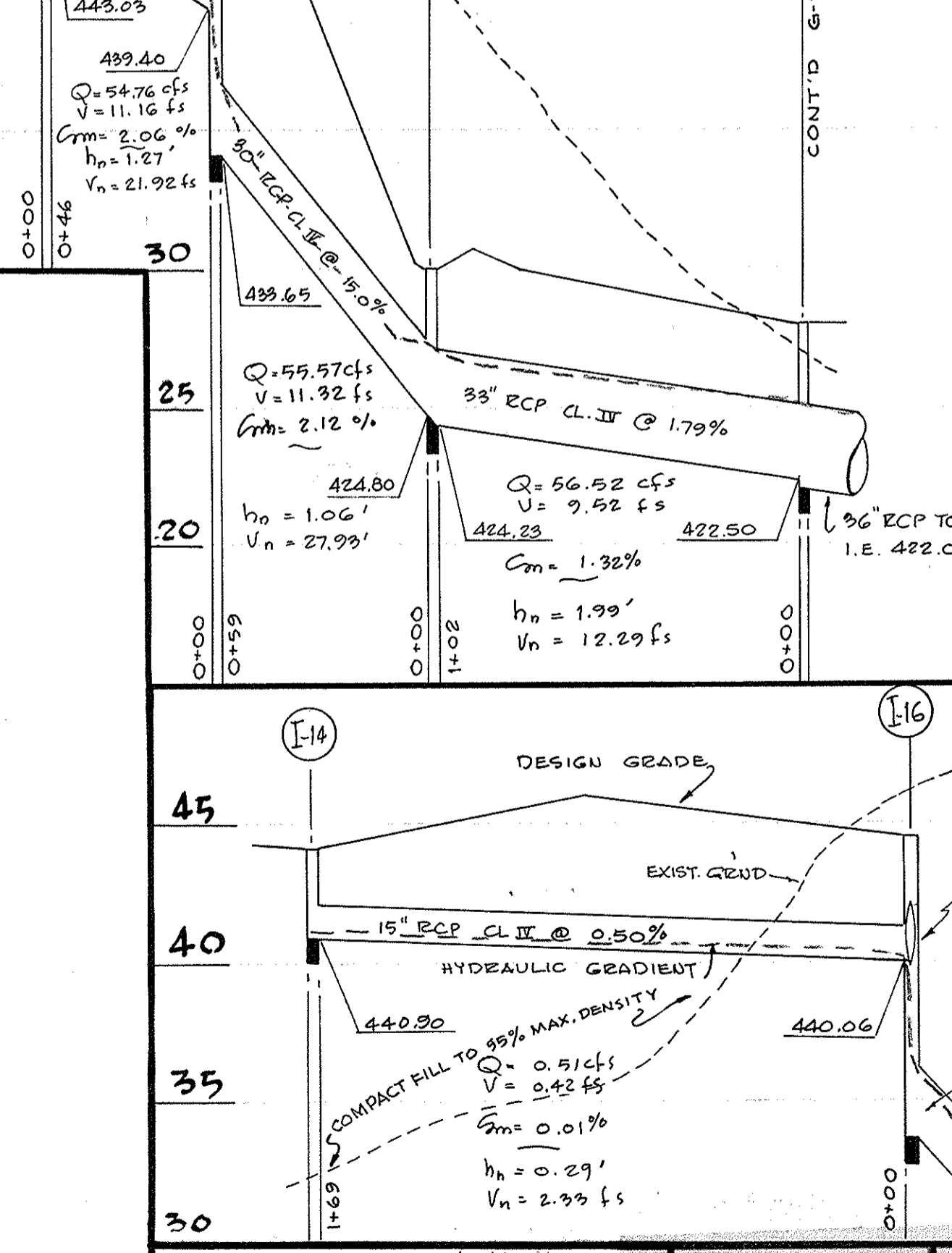
SHEET TITLE **STORM DRAIN PROFILES**
JOB TITLE **CENTENNIAL HIGH SCHOOL**
2nd ELECT. DIST. HOWARD CO. MARYLAND
OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
8045 ROUTE # 32 COLUMBIA, MD. 21044

DRAWN BY
JOB NUMBER 408-74
DATE MAY, 1975 SHEET NUMBER
REVISIONS
G-12
13 OF 40

NOTE: WHERE PIPE IS PLACED IN FILL, COMPACT FILL TO 95% ITS MAXIMUM DENSITY.



STORM DRAINAGE STRUCTURE TABLE (CONT.)				
NO.	TYPE	TOP ELEV.	INV. OUT	REMARKS
I-62	YARD DRAIN	456.50	451.67	SEE DETAIL
I-63	YARD DRAIN	456.50	451.97	SEE DETAIL
I-64	YARD DRAIN	456.50	452.25	SEE DETAIL
I-65	YARD DRAIN	456.75	452.50	SEE DETAIL
I-66	YARD DRAIN	456.75	452.75	SEE DETAIL
I-67	YARD DRAIN	466.50	461.67	SEE DETAIL
I-68	YARD DRAIN	478.35	469.50	SEE DETAIL
I-69	YARD DRAIN	478.35	473.34	SEE DETAIL
I-70	YARD DRAIN	478.35	473.85	SEE DETAIL
I-71	YARD DRAIN	478.35	474.35	SEE DETAIL
I-72	YARD DRAIN	443.40	436.14	SEE DETAIL
I-73	YARD DRAIN	443.40	437.28	SEE DETAIL
I-74	YARD DRAIN	443.40	438.36	SEE DETAIL
I-75	YARD DRAIN	443.40	439.40	SEE DETAIL
I-76	YARD DRAIN	430.40	420.58	SEE DETAIL
I-77	YARD DRAIN	430.00	423.00	SEE DETAIL
S-1	B HEADWALL	-	471.57	D.P.W. STD. SDD-21 FOR 24" PIPE
S-2	A HEADWALL	-	417.00	D.P.W. STD. SDD-18 FOR 42" PIPE
S-3	B HEADWALL	-	447.00	D.P.W. STD. SDD-21 FOR 27" PIPE
S-4	B HEADWALL	-	417.16	D.P.W. STD. SDD-21 FOR 21" PIPE
S-5	B HEADWALL	-	410.00	D.P.W. STD. SDD-21 FOR 15" PIPE
M-1	A-1 MANHOLE	433.20	427.63	D.P.W. STD. SDD-7
M-2	A-1 MANHOLE	450.00	441.16	D.P.W. STD. SDD-7
M-3	A-1 MANHOLE	482.40	476.35	D.P.W. STD. SDD-7
M-4	A-1 MANHOLE	482.40	478.03	D.P.W. STD. SDD-7
M-5	A-1 MANHOLE	474.30	463.86	D.P.W. STD. SDD-7
M-6	A-1 MANHOLE	482.40	477.12	D.P.W. STD. SDD-7
M-7	A-1 MANHOLE	481.90	472.78	D.P.W. STD. SDD-7
M-8	A-3 MANHOLE	482.16	478.40	D.P.W. STD. SDD-9



DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
 SCALE: HOR. 1" = 40'
 VERT. 1" = 5'

Reviewed for Howard Name S.C.D.
 and meets Technical Requirements
 Signature C. Hayes Bay Date 8-26-75
 U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved Richard J. Zelnick Date 8-22-75
 HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 Signature J. H. Hennis Date 9/5/75
 COUNTY HEALTH OFFICER
 APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 Signature J. H. Hennis Date 9-8-75
 PLANNING DIRECTOR
 CALIF. DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 Signature J. H. Hennis Date 9/6/75
 APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Signature W. D. Libbertus Date 9-2-75
 Signature J. P. Ireland Date 8/29/75
 CHIEF BUREAU OF HIGHWAYS

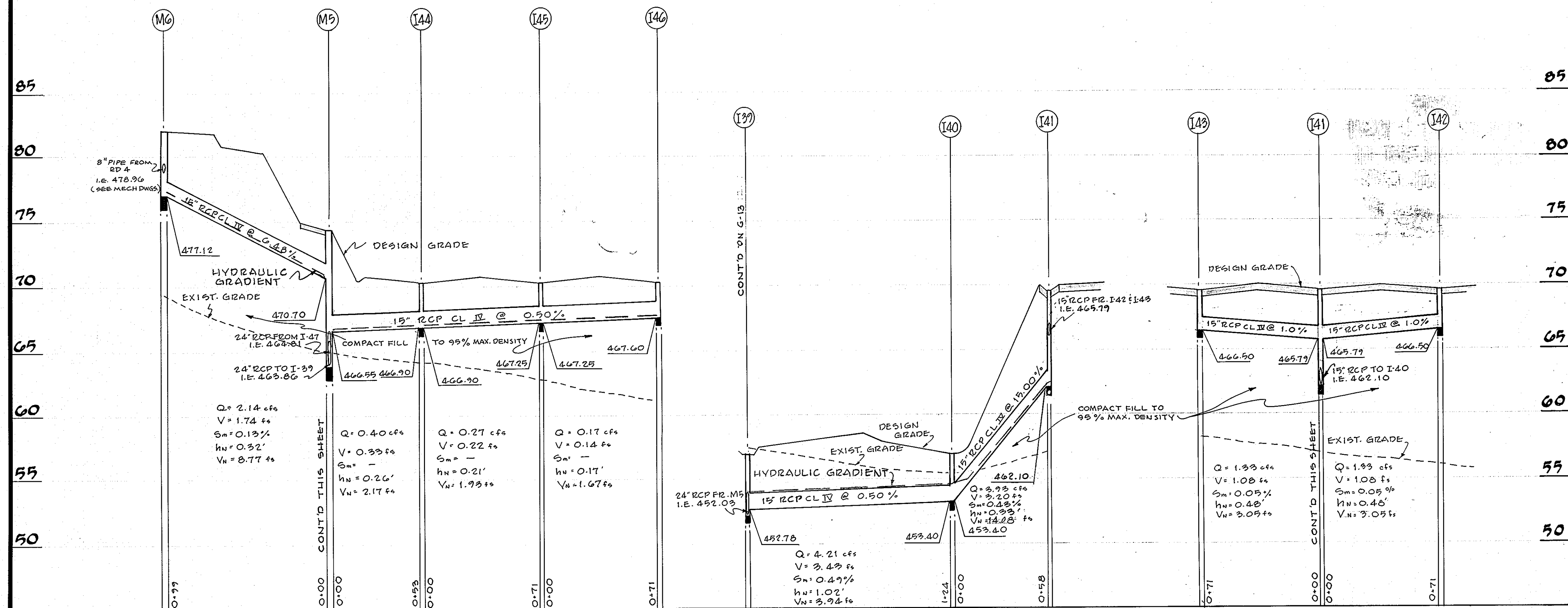
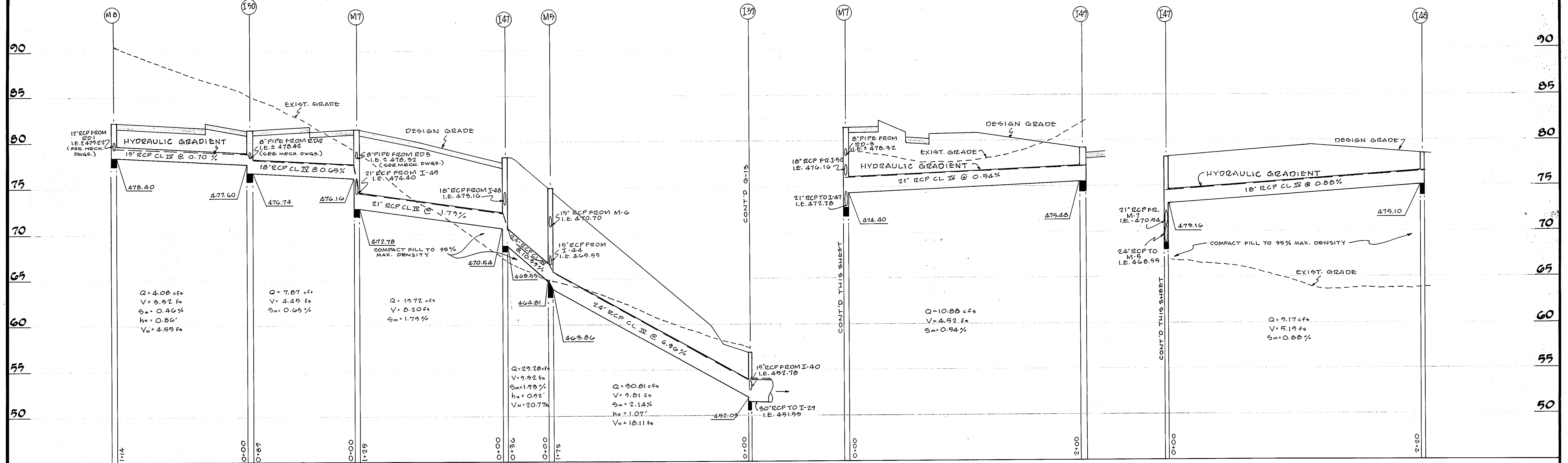
NOTE: USE TYPE A-1 MANHOLE STRUCTURE (D.P.W. STD SDD-7) MODIFIED TO FIT A 17" x 17" YARD DRAIN TYPE GRATE (SEE DETAIL SHT. G-16).

ADDED PROF. REF. - 7/7/75

STANLEY H. ARTHUR A.I.A. ARCHITECT
 4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE **STORM DRAIN PROFILES**
 JOB TITLE **CENTENNIAL HIGH SCHOOL**
 OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
 8045 ROUTE # 32 COLUMBIA MD. 21044
 DRAWN BY **J. H. Hennis**
 DATE **MAY, 1975**
 REVISIONS
 SHEET NUMBER **G-13**
 JOB NUMBER **468-74**
 SHEET NUMBER **14 OF 40**

NOTE: WHERE PIPE IS PLACED IN FILL, COMPACT FILL TO 99% ITS MAXIMUM DENSITY.



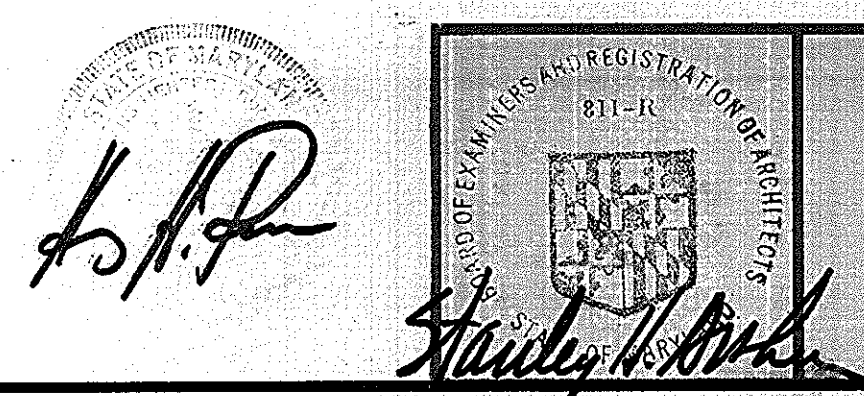
SCALE : HOR. 1"=40'
VERT. 1"=5'

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
C. Wayne Ray Date 9-28-75
Signature
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED
FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL
CONSERVATION DISTRICT.
Approved Robert Zehn Date 9-22-75
Howard, C.D.

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 7/15/75
J. H. Clausen

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
J. H. Clausen DATE 9/5/75
COUNTY HEALTH OFFICER
APPROVED, HOWARD COUNTY OFFICE OF
PLANNING AND ZONING
James G. Harris DATE 9-8-75
PLANNING DIRECTOR
J. H. Clausen DATE 9/5/75
CHIEF DIVISION OF LAND DEVELOPMENT
TRANSPORTATION PLANNING
APPROVED FOR PUBLIC WATER PUBLIC SEWER AND
SEWER DRAINAGE SYSTEMS AND ROADS HOWARD
COUNTY DEPARTMENT OF PUBLIC WORKS
J. H. Clausen DATE 9-2-75
INSPECTOR
J. H. Clausen DATE 8/28/75
CHIEF BUREAU OF HIGHWAYS

ADDED PROF. REF. - 7/7/75
SDP NO: SDP-75-86

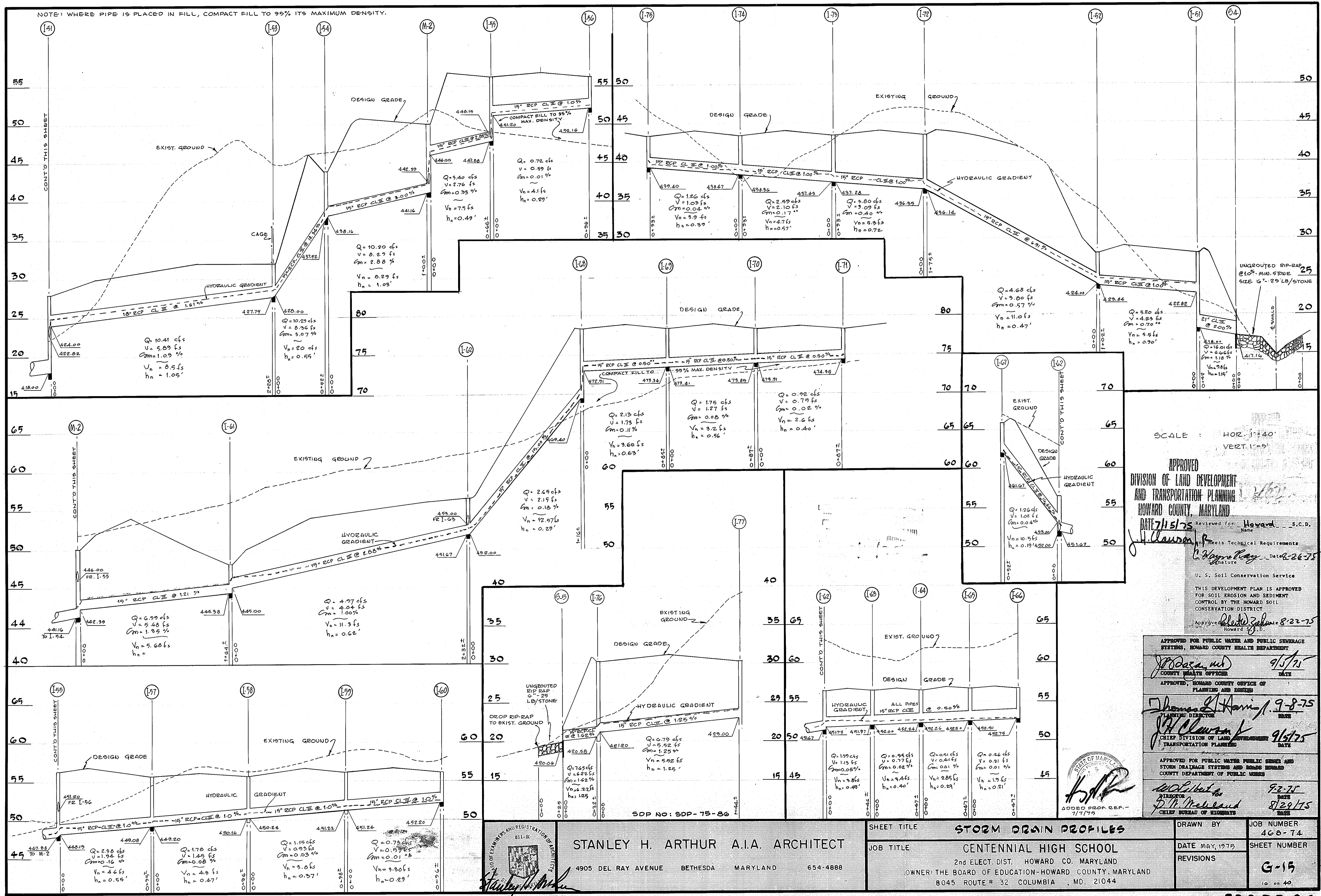


STANLEY H. ARTHUR A.I.A. ARCHITECT
4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE	STORM DRAIN PROFILES		DRAWN BY	JOB NUMBER
JOB TITLE	CENTENNIAL HIGH SCHOOL		DATE MAY, 1975	SHEET NUMBER
	2nd ELECT. DIST. HOWARD CO. MARYLAND		REVISIONS	G-14
	OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND			15 OF 40
	8045 ROUTE # 32 COLUMBIA, MD. 21044			

SDP-75-86

NOTE: WHERE PIPE IS PLACED IN FILL, COMPACT FILL TO 95% ITS MAXIMUM DENSITY.



SCALE: HORZ. 1"=40'
VERT. 1"=5'

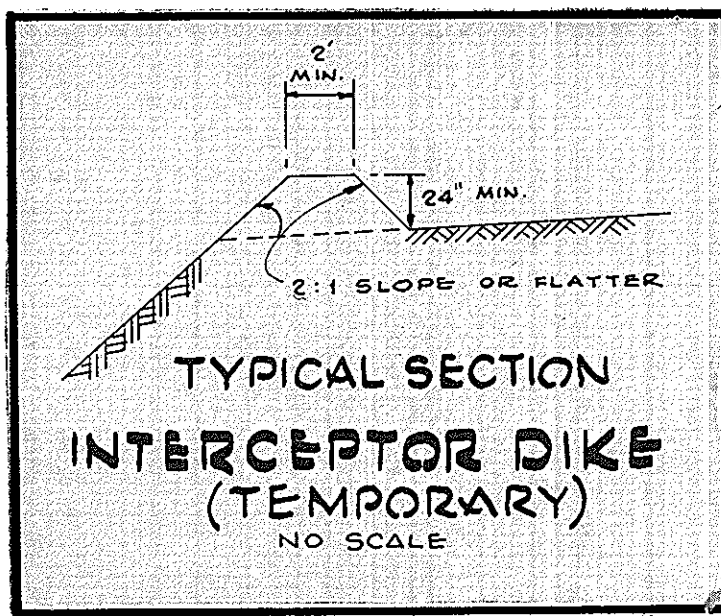
APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 7/15/75
Reviewed for: Howard S.C.D.
Name: J. Lawson
Signature: J. Lawson
Date: 8-26-75
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED
FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL
CONSERVATION DISTRICT
Approved: Howard S.C.D.
Date: 8-22-75

APPROVED FOR PUBLIC WATERS AND PUBLIC SEWERAGE
SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE 9/5/75
APPROVED, HOWARD COUNTY OFFICE OF
PLANNING AND ZONING
DATE 9-8-75
CHIEF DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
DATE 9/5/75
APPROVED FOR PUBLIC WATERS PUBLIC SEWER AND
STORM DRAINAGE SYSTEMS AND ROAD BORDERS
COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 9-2-75
DATE 8/29/75

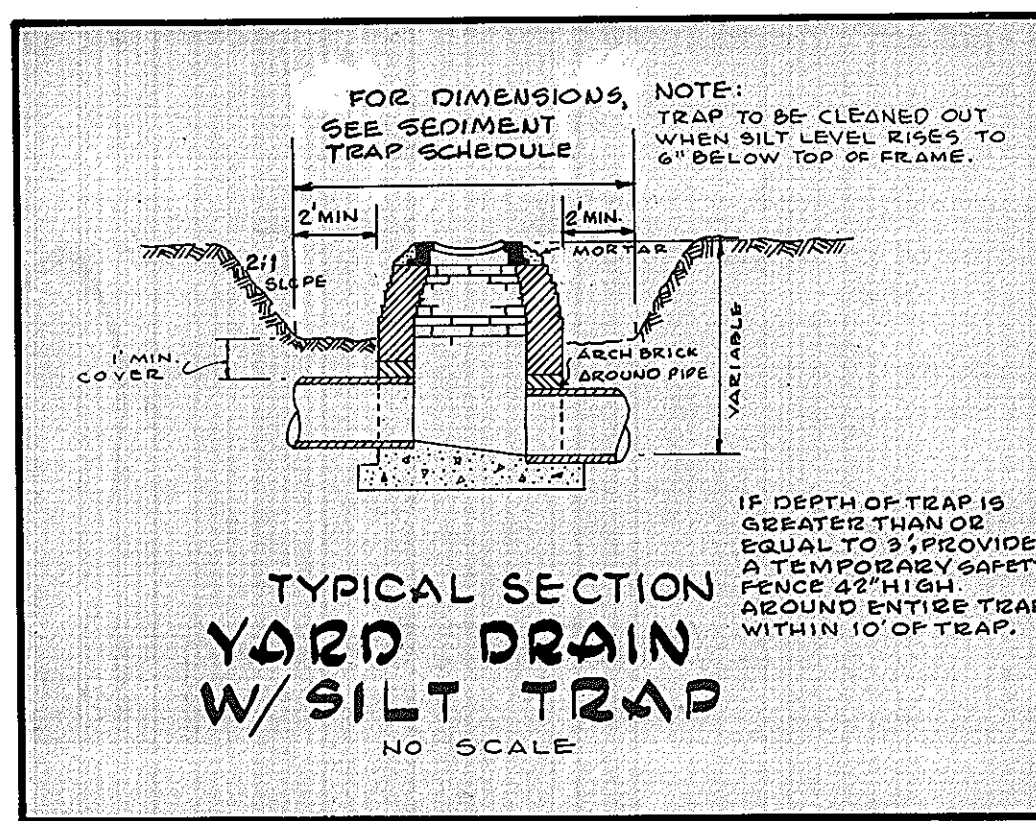
STANLEY H. ARTHUR A.I.A. ARCHITECT
4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE: STORM DRAIN PROFILES
JOB TITLE: CENTENNIAL HIGH SCHOOL
2nd ELECT. DIST. HOWARD CO. MARYLAND
OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
8045 ROUTE # 32 COLUMBIA, MD. 21044

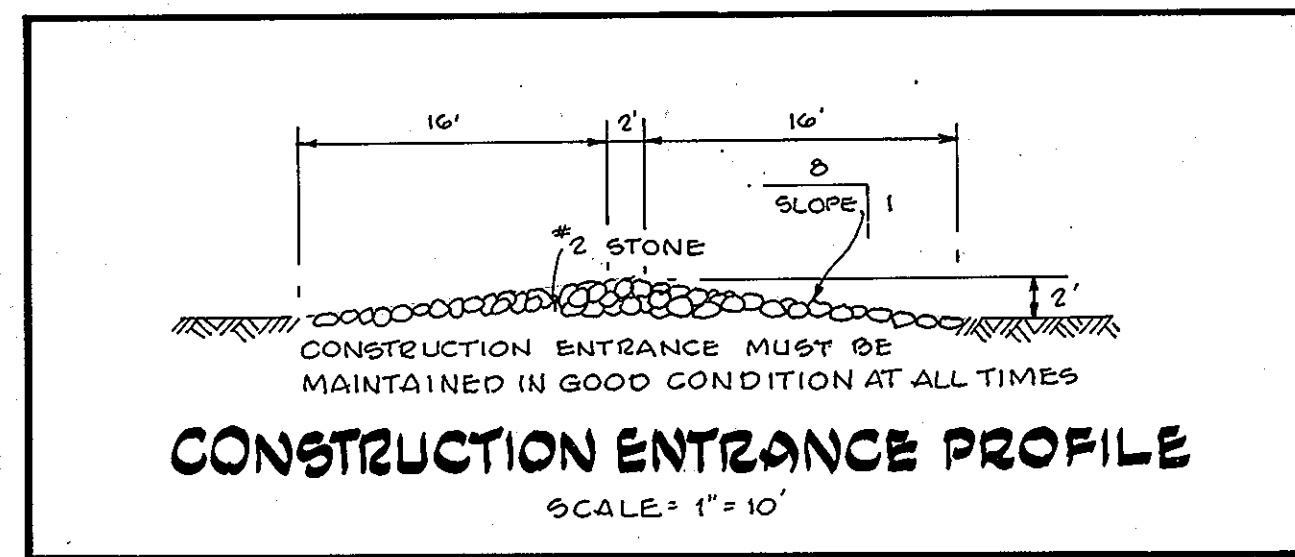
DRAWN BY: [Signature]
JOB NUMBER: 468-74
DATE: MAY, 1975
SHEET NUMBER: G-15
REVISIONS: 16 OF 40



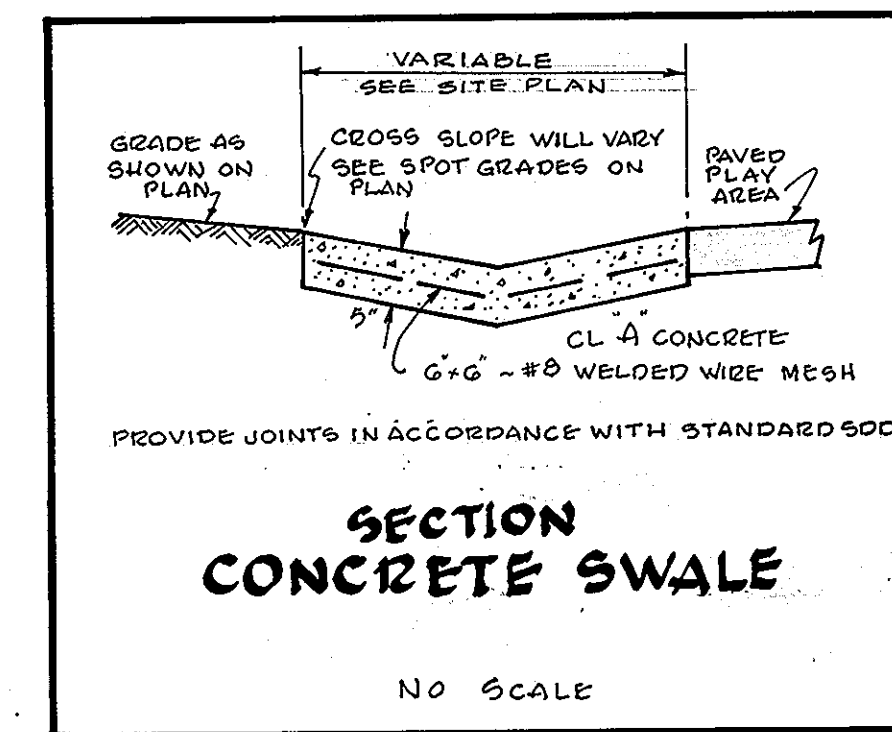
TYPICAL SECTION
INTERCEPTOR DIKE
(TEMPORARY)
NO SCALE



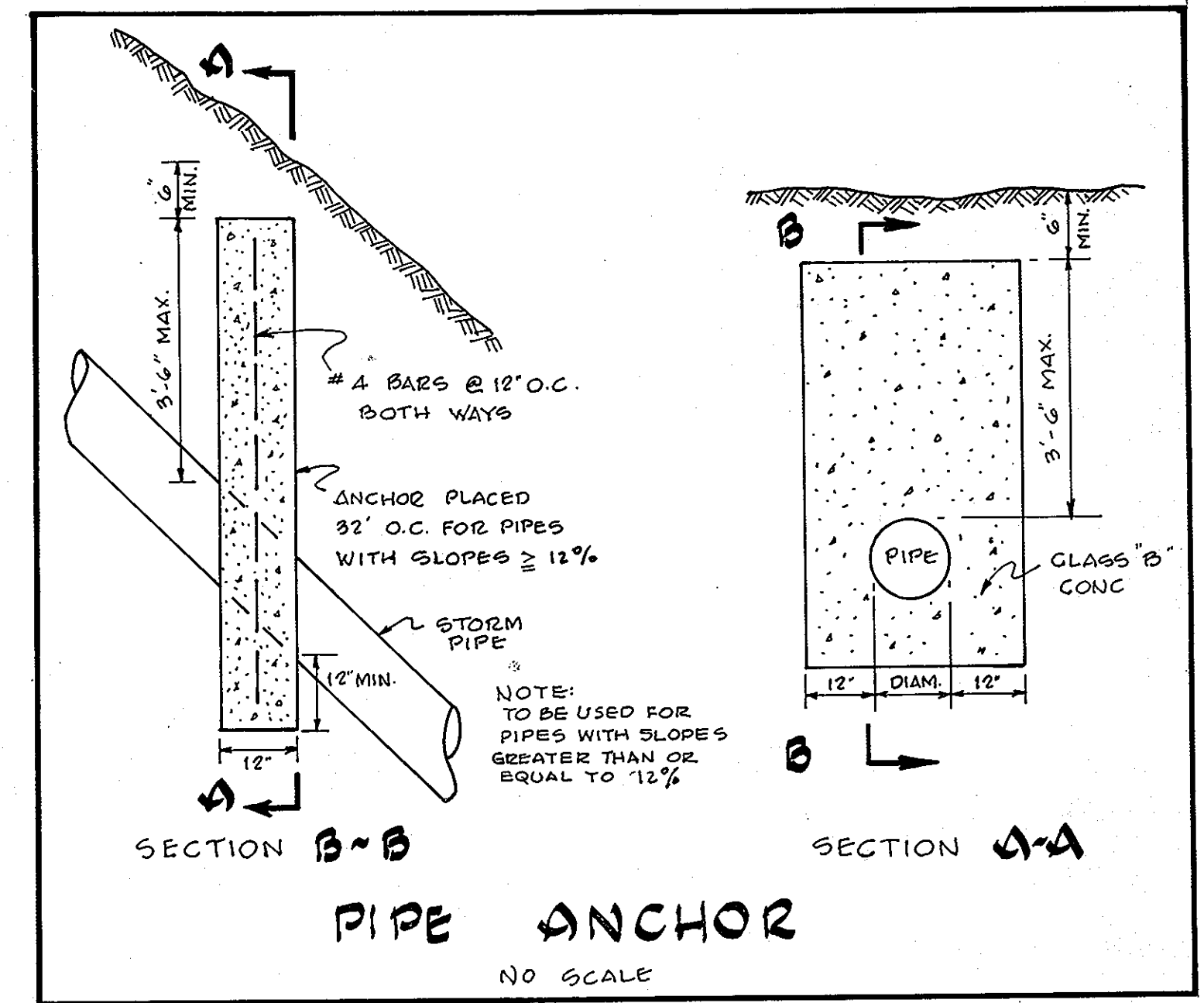
TYPICAL SECTION
YARD DRAIN
W/ SILT TRAP
NO SCALE



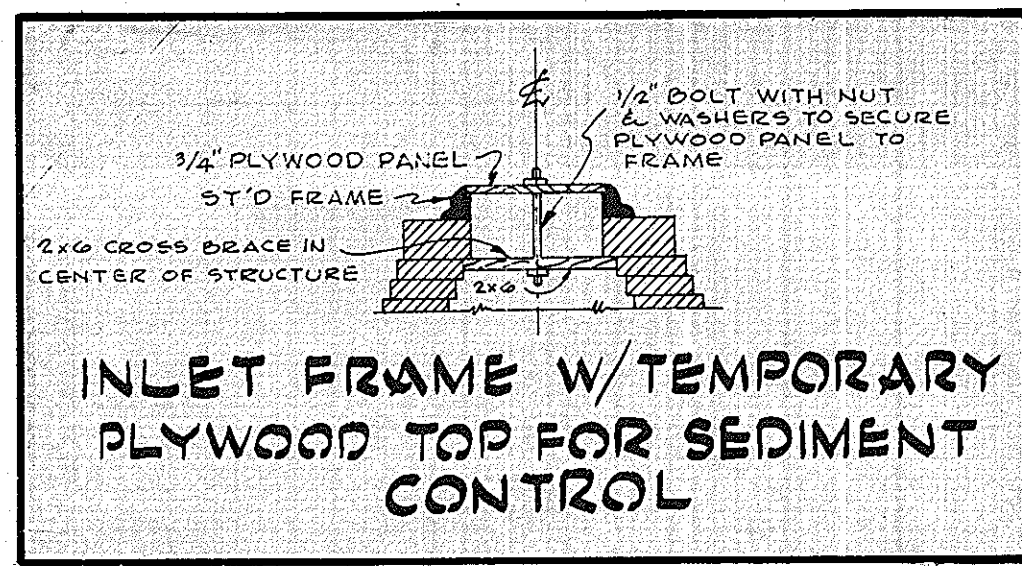
CONSTRUCTION ENTRANCE PROFILE
SCALE: 1" = 10'



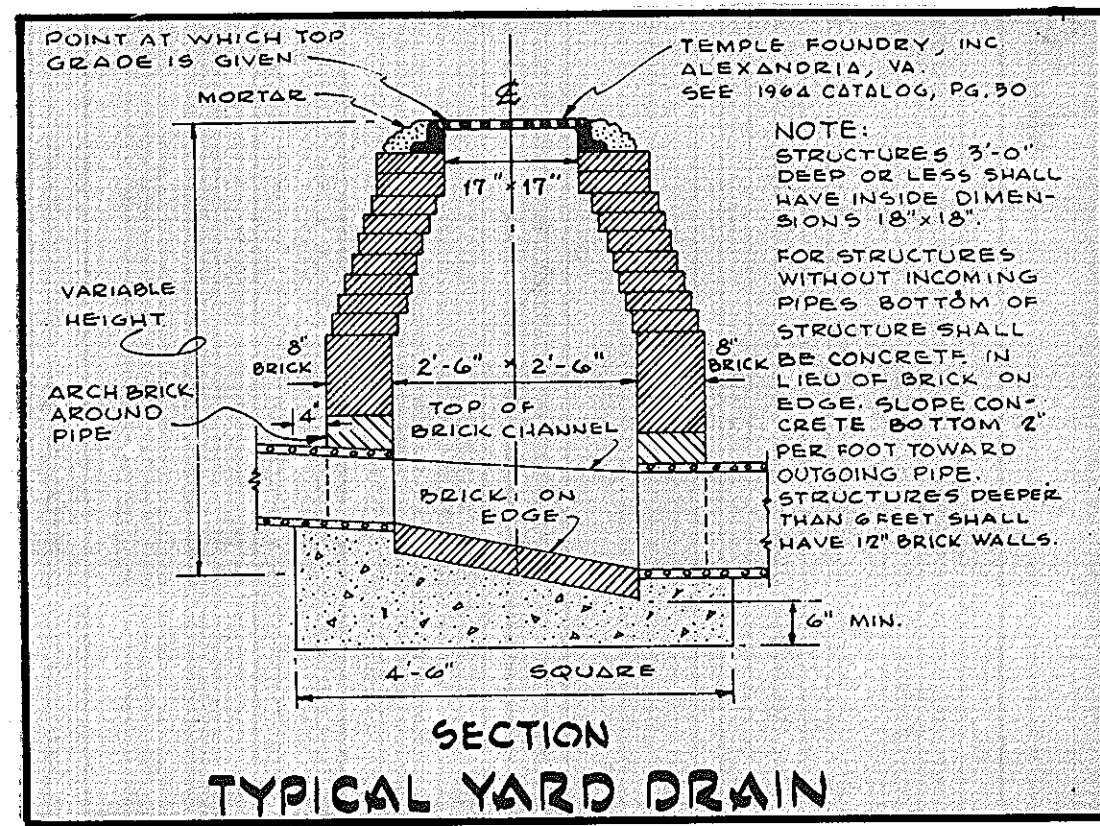
SECTION
CONCRETE SWALE
NO SCALE



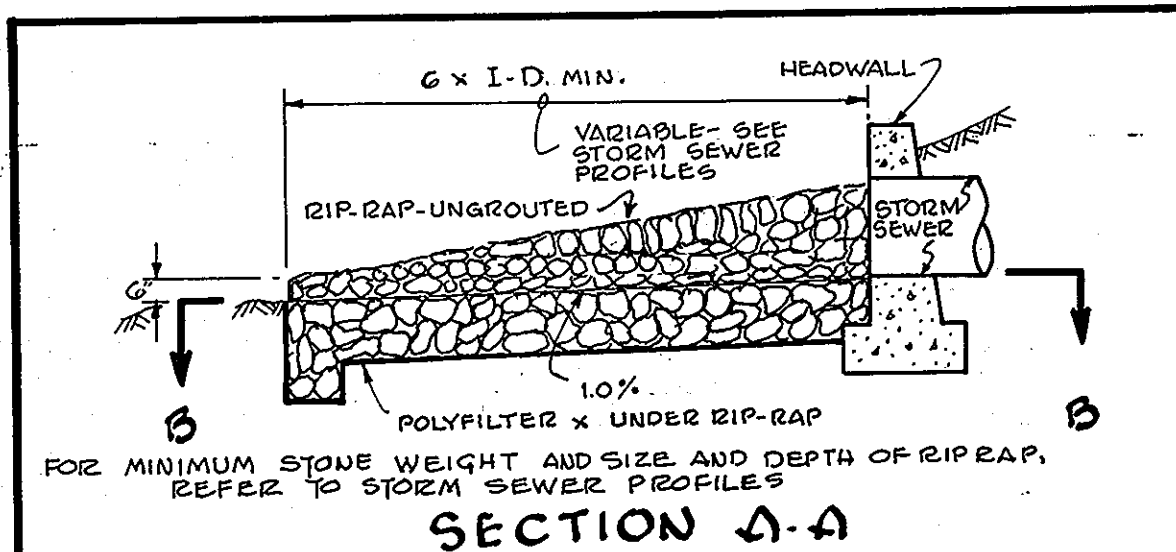
SECTION B-B
PIPE ANCHOR
NO SCALE



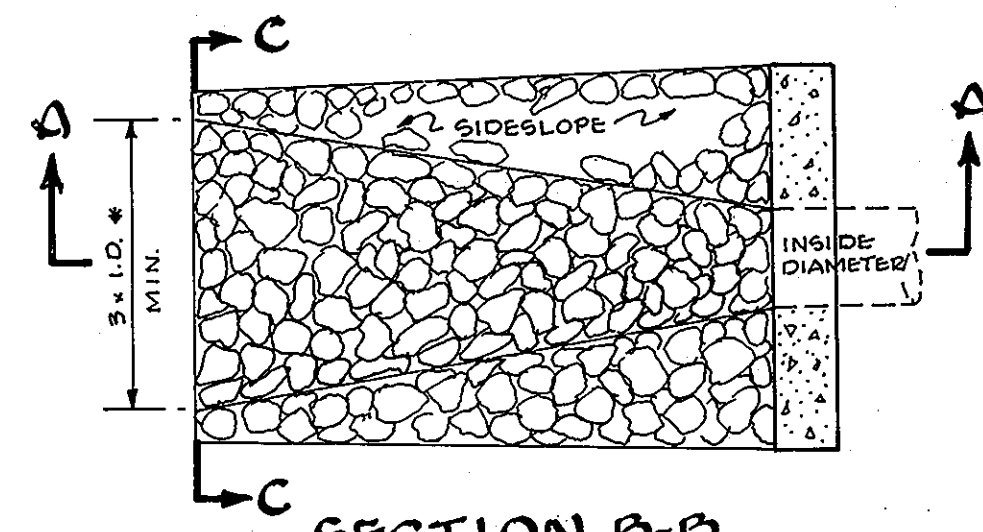
INLET FRAME W/ TEMPORARY
PLYWOOD TOP FOR SEDIMENT
CONTROL
NO SCALE



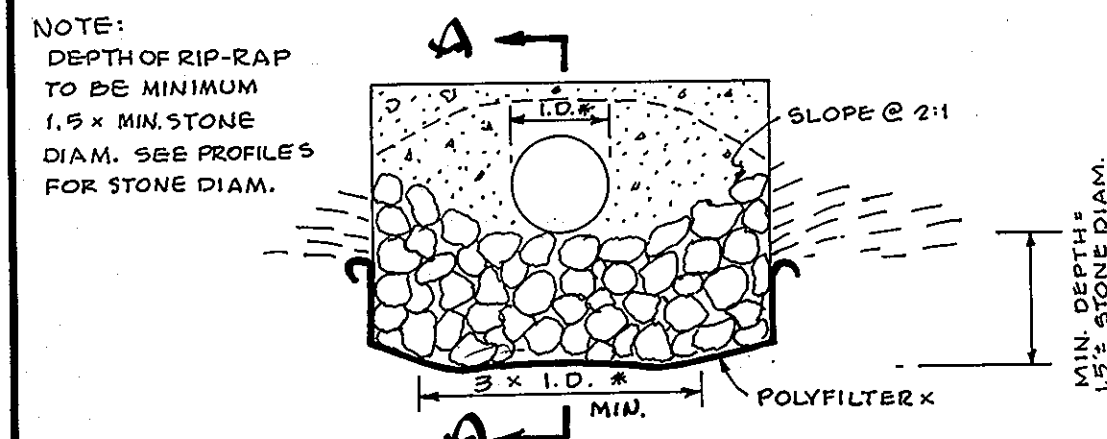
SECTION
TYPICAL YARD DRAIN
NO SCALE



SECTION A-A
UNGRADED RIP-RAP UNDER RIP-RAP
REFER TO STORM SEWER PROFILES

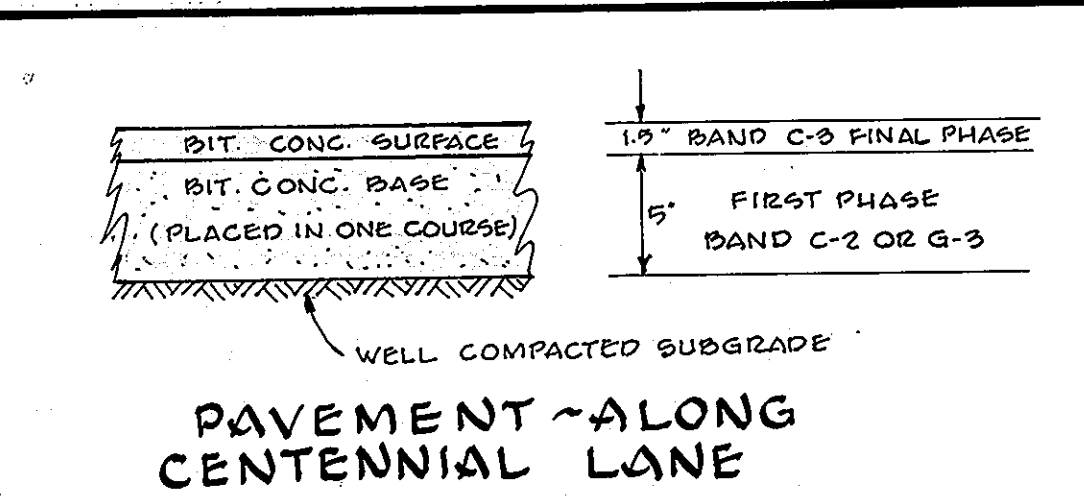


SECTION B-B
UNGRADED RIP-RAP UNDER RIP-RAP
REFER TO STORM SEWER PROFILES

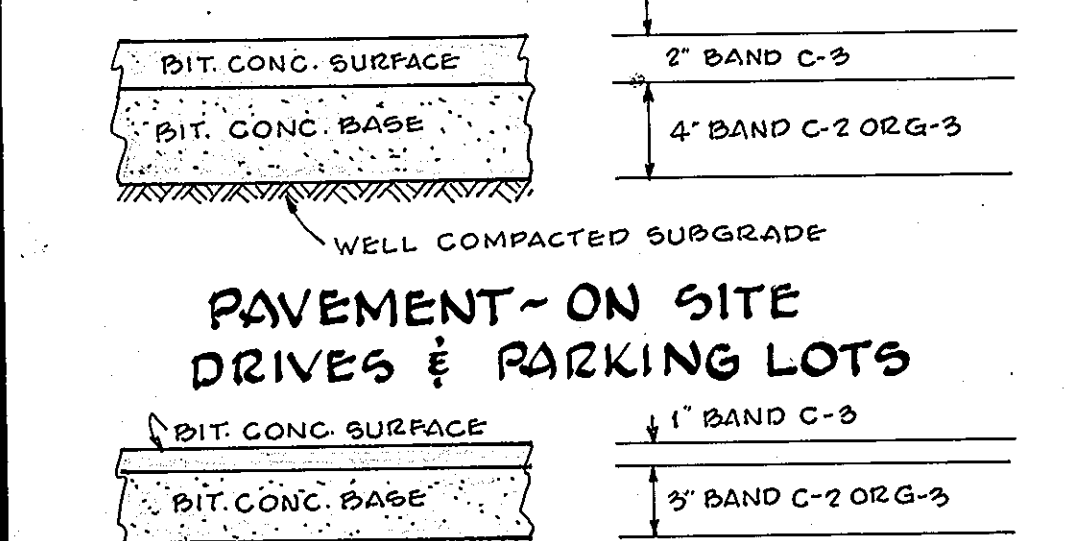


SECTION C-C
UNGRADED RIP-RAP UNDER RIP-RAP
REFER TO STORM SEWER PROFILES

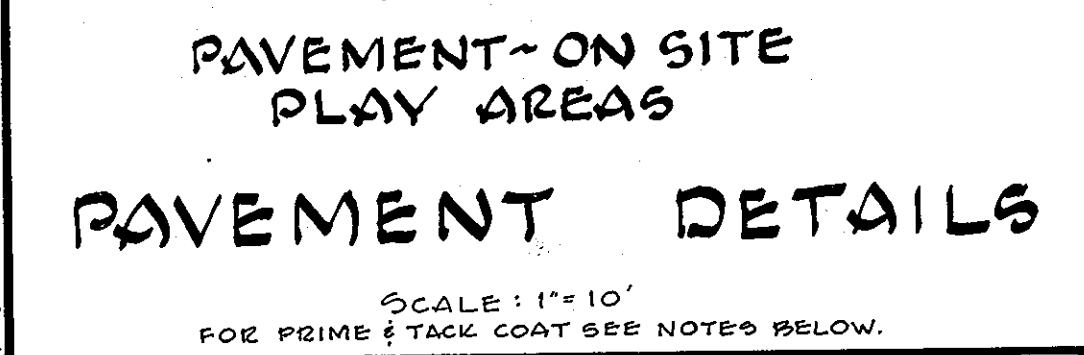
PAVING NOTES
BIT. CONC. BASE COURSE SHALL BE PRIMED IN ACCORDANCE WITH SECT. C-30-3 OF THE HOWARD CO. ROAD CONSTRUCTION CODE & S.D.C. SPECS.
A TACK COAT IS REQUIRED IN ACCORDANCE WITH SECT. C-31-4 OF AFOREMENTIONED SPECS. & S.D.C.



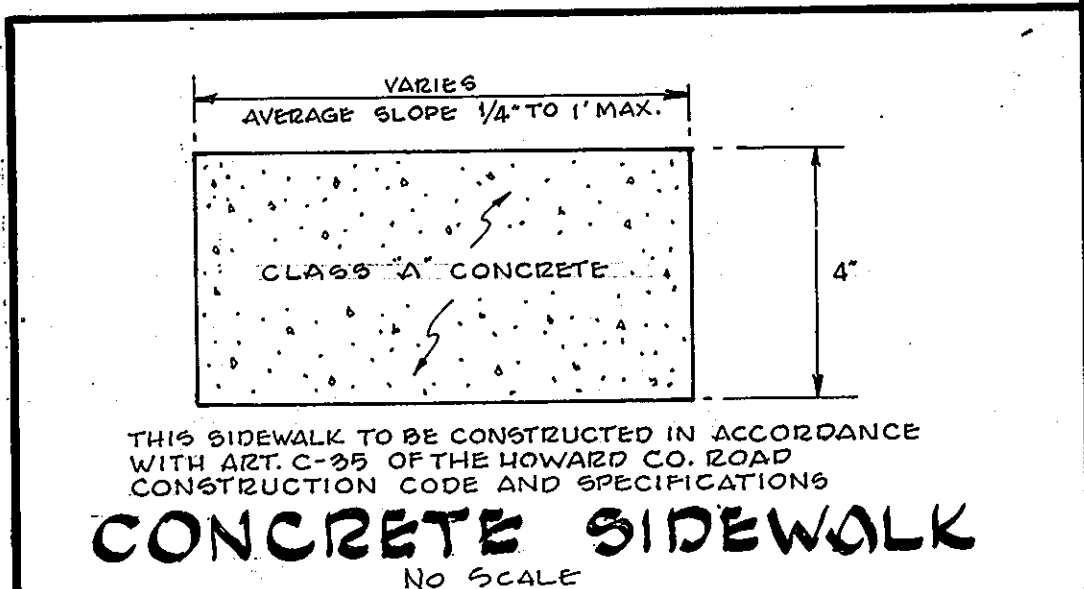
PAVEMENT ALONG
CENTENNIAL LANE
NO SCALE



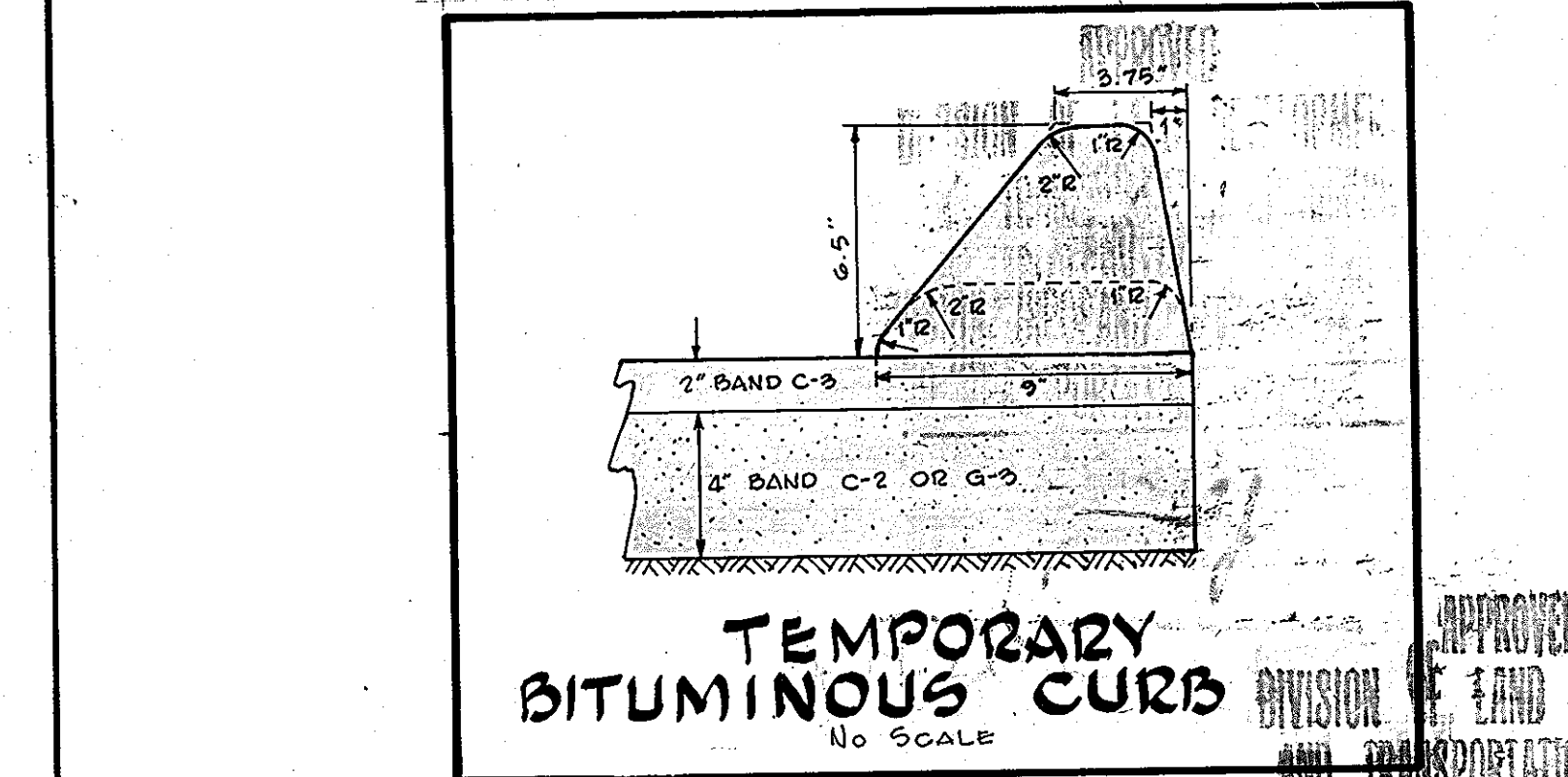
PAVEMENT ON SITE
DRIVES & PARKING LOTS
NO SCALE



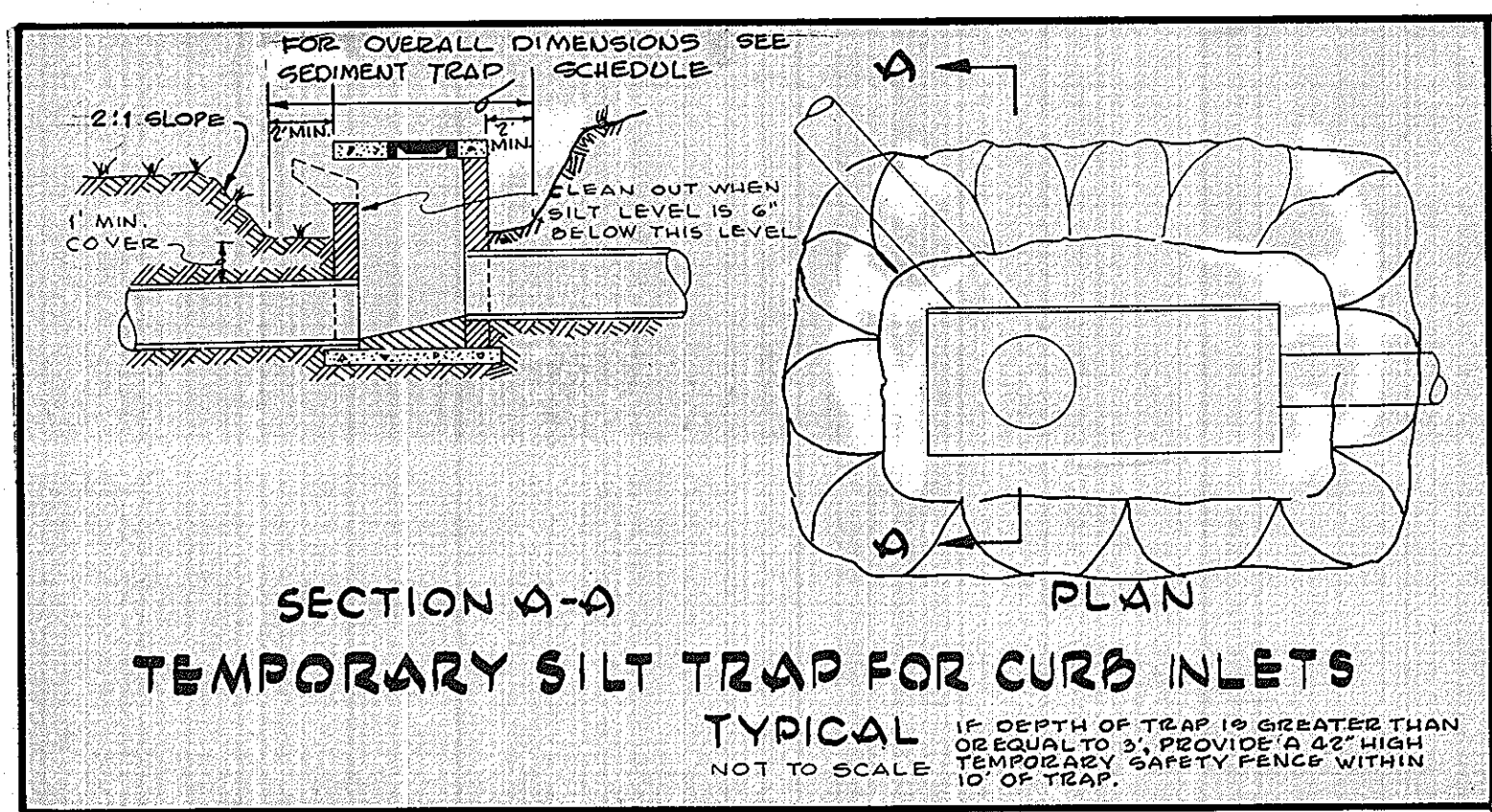
PAVEMENT ON SITE
PLAY AREAS
NO SCALE



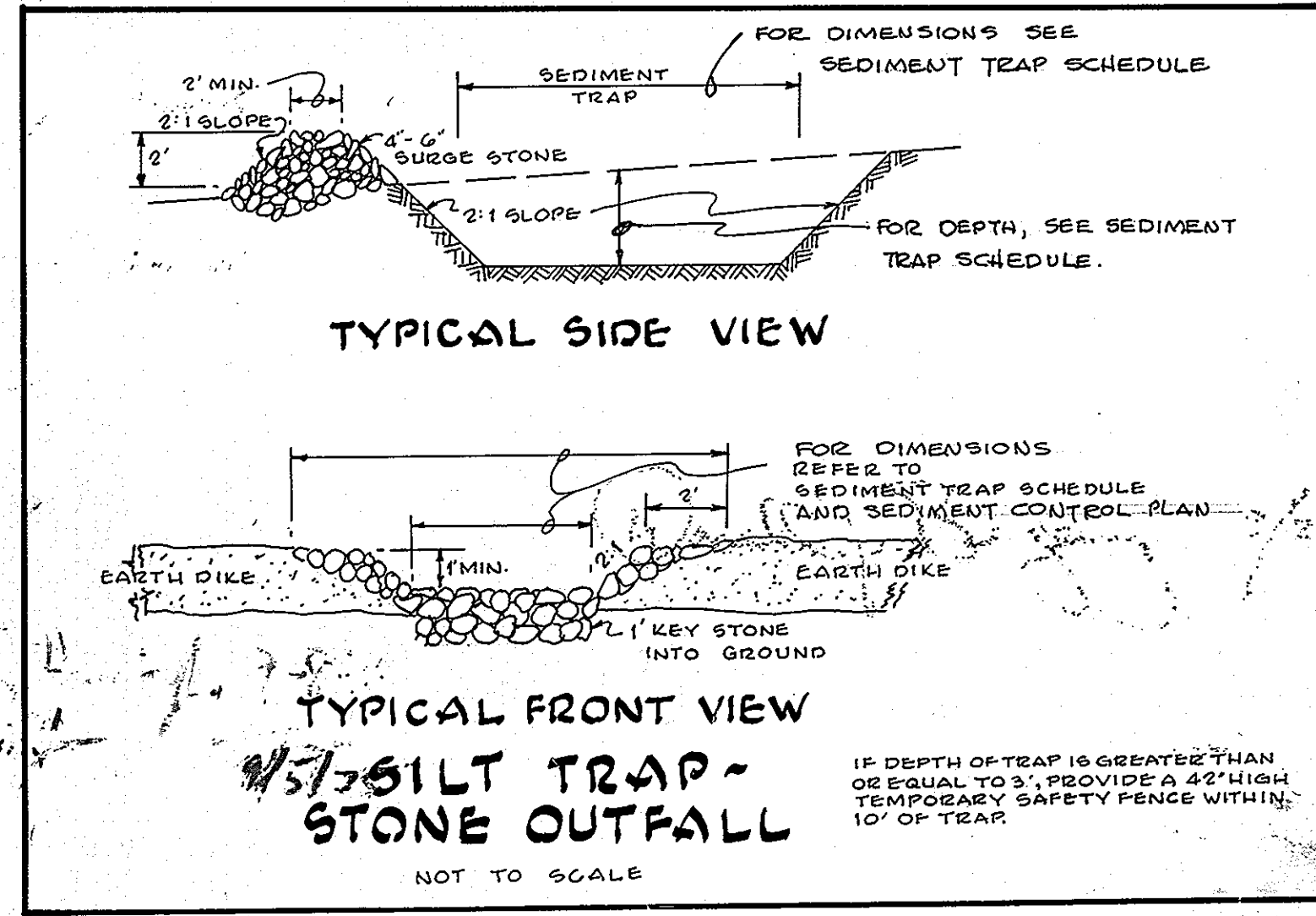
CONCRETE SIDEWALK
NO SCALE



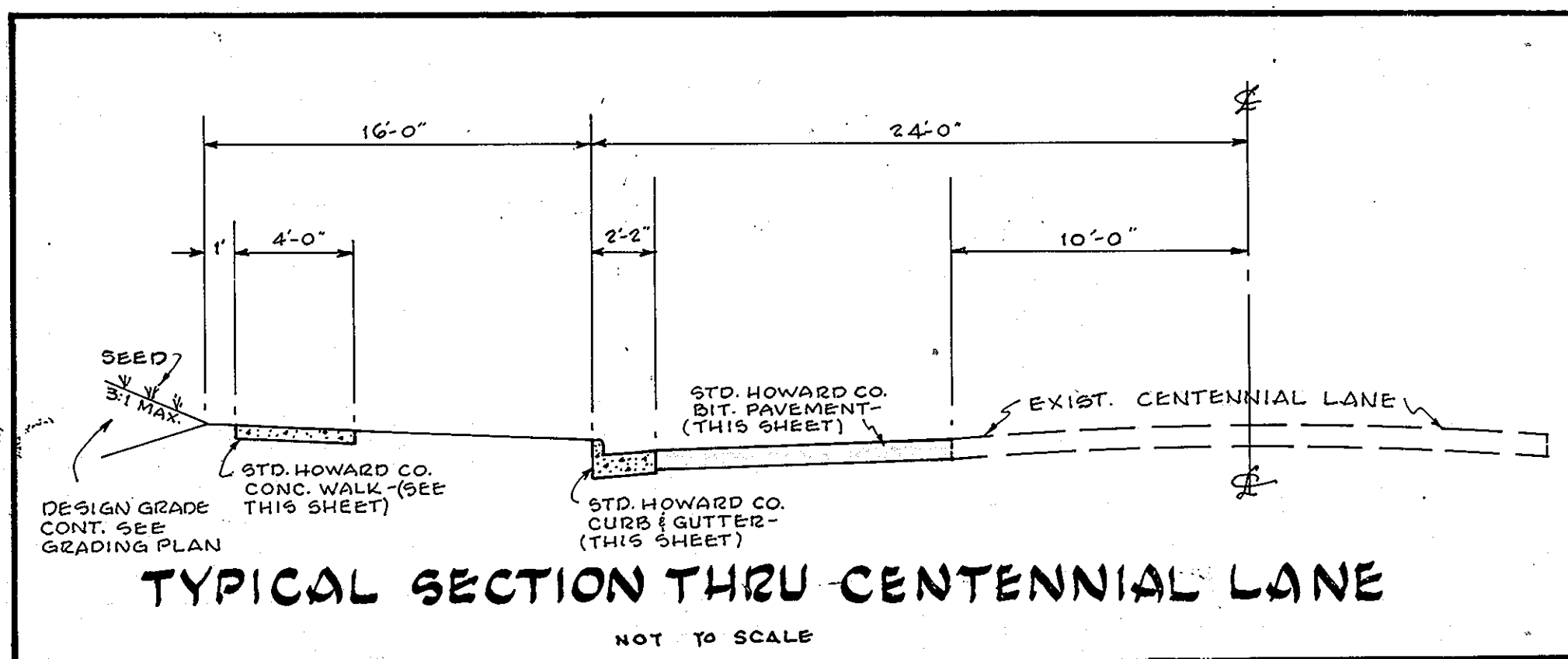
TEMPORARY
BITUMINOUS CURB
NO SCALE



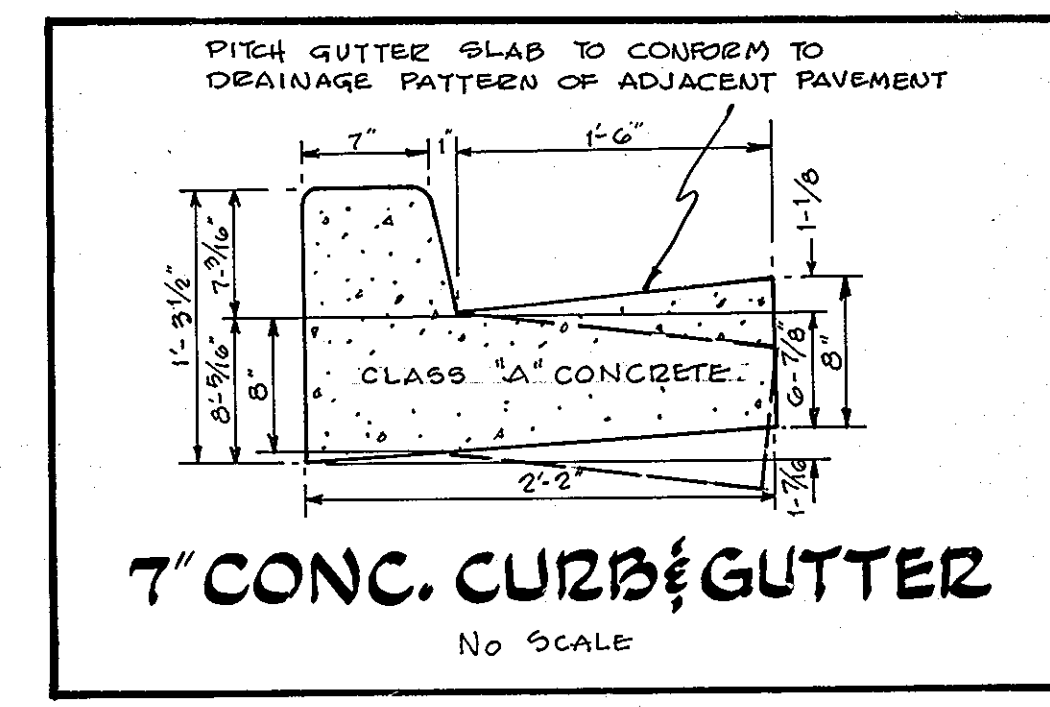
SECTION A-A
TEMPORARY SILT TRAP FOR CURB INLETS
NO SCALE



TYPICAL SIDE VIEW
TYPICAL FRONT VIEW
SILT TRAP -
STONE OUTFALL
NO SCALE



TYPICAL SECTION THRU CENTENNIAL LANE
NO SCALE



7" CONC. CURB & GUTTER
NO SCALE

SDP NO: SDP-75-86

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

Reviewed for *Howard* S.C.D.
Name
and meets Technical Requirements
Allyson Ray Date 8-26-75
Signature
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Approved *Robert Zeh* Date 8-22-75
Howard S.C.D.

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

Thomas L. Harris 9/5/75
COUNTY HEALTH OFFICER DATE
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas L. Harris 9-8-75
PLANNING DIRECTOR DATE
J. H. Clancy 9/5/75
CHIEF DIVISION OF LAND DEVELOPMENT TRANSPORTATION PLANNING DATE
APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. O. Libbey 9-7-75
DIRECTOR DATE
D. M. Melchior 8/24/75
CHIEF BUREAU OF HIGHWAYS DATE

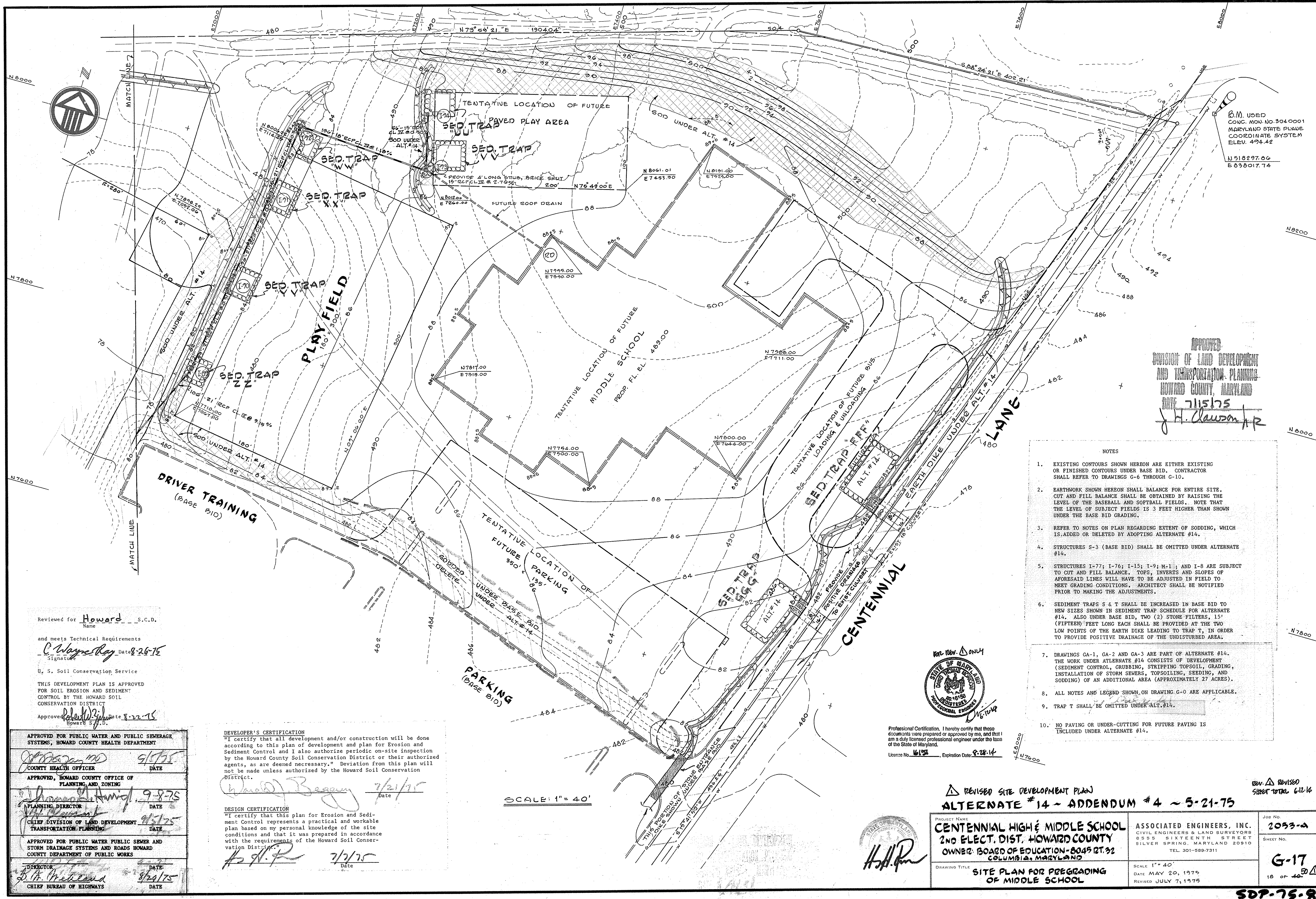
ASSOCIATED ENGINEERS, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-589-7311

STANLEY H. ARTHUR A.I.A. ARCHITECT
4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE DETAILS
JOB TITLE CENTENNIAL HIGH SCHOOL
2nd ELECT. DIST. HOWARD CO. MARYLAND
OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
8045 ROUTE # 32 COLUMBIA, MD. 21044

DRAWN BY
DATE MAY, 1975
REVISIONS
JOB NUMBER 468-74
SHEET NUMBER G-16
17 OF 40

SDP-75-86



B.M. USED
 CONC. MON. NO. 3040001
 MARYLAND STATE PLANE
 COORDINATE SYSTEM
 ELEV. 494.42
 N 518297.06
 E 636017.74

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
 J. H. Clouston, Jr.

- NOTES
- EXISTING CONTOURS SHOWN HEREON ARE EITHER EXISTING OR FINISHED CONTOURS UNDER BASE BID. CONTRACTOR SHALL REFER TO DRAWINGS G-6 THROUGH G-10.
 - EARTHWORK SHOWN HEREON SHALL BALANCE FOR ENTIRE SITE. CUT AND FILL BALANCE SHALL BE OBTAINED BY RAISING THE LEVEL OF THE BASEBALL AND SOFTBALL FIELDS. NOTE THAT THE LEVEL OF SUBJECT FIELDS IS 3 FEET HIGHER THAN SHOWN UNDER THE BASE BID GRADING.
 - REFER TO NOTES ON PLAN REGARDING EXTENT OF SODDING, WHICH IS ADDED OR DELETED BY ADOPTING ALTERNATE #14.
 - STRUCTURES S-3 (BASE BID) SHALL BE OMITTED UNDER ALTERNATE #14.
 - STRUCTURES I-77; I-76; I-15; I-9; M-1; AND I-8 ARE SUBJECT TO CUT AND FILL BALANCE. TOPS, INVERTS AND SLOPES OF AFORESAID LINES WILL HAVE TO BE ADJUSTED IN FIELD TO MEET GRADING CONDITIONS. ARCHITECT SHALL BE NOTIFIED PRIOR TO MAKING THE ADJUSTMENTS.
 - SEDIMENT TRAPS S & T SHALL BE INCREASED IN BASE BID TO NEW SIZES SHOWN IN SEDIMENT TRAP SCHEDULE FOR ALTERNATE #14. ALSO UNDER BASE BID, TWO (2) STONE FILTERS, 15' (FIFTEEN) FEET LONG EACH SHALL BE PROVIDED AT THE TWO LOW POINTS OF THE EARTH DIKE LEADING TO TRAP T, IN ORDER TO PROVIDE POSITIVE DRAINAGE OF THE UNDISTURBED AREA.
 - DRAWINGS GA-1, GA-2 AND GA-3 ARE PART OF ALTERNATE #14. THE WORK UNDER ALTERNATE #14 CONSISTS OF DEVELOPMENT (SEDIMENT CONTROL, CRUBBING, STRIPPING TOPSOIL, GRADING, INSTALLATION OF STORM SEWERS, TOPSOILING, SEEDING, AND SODDING) OF AN ADDITIONAL AREA (APPROXIMATELY 27 ACRES).
 - ALL NOTES AND LEGEND SHOWN ON DRAWING G-0 ARE APPLICABLE.
 - TRAP T SHALL BE OMITTED UNDER ALT. #14.
 - NO PAVING OR UNDER-CUTTING FOR FUTURE PAVING IS INCLUDED UNDER ALTERNATE #14.

Reviewed for Howard S.C.D.
 Name
 and meets Technical Requirements
C. Wayne Ray Date 8-26-75
 Signature
 U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT
 Approved Howard S. J. D. Date 5-22-75

DEVELOPER'S CERTIFICATION
 "I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control and I also authorize periodic on-site inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary." Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.
Howard Begany 7/21/75
 Date

DESIGN 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."
H. J. P. 7/2/75
 Date

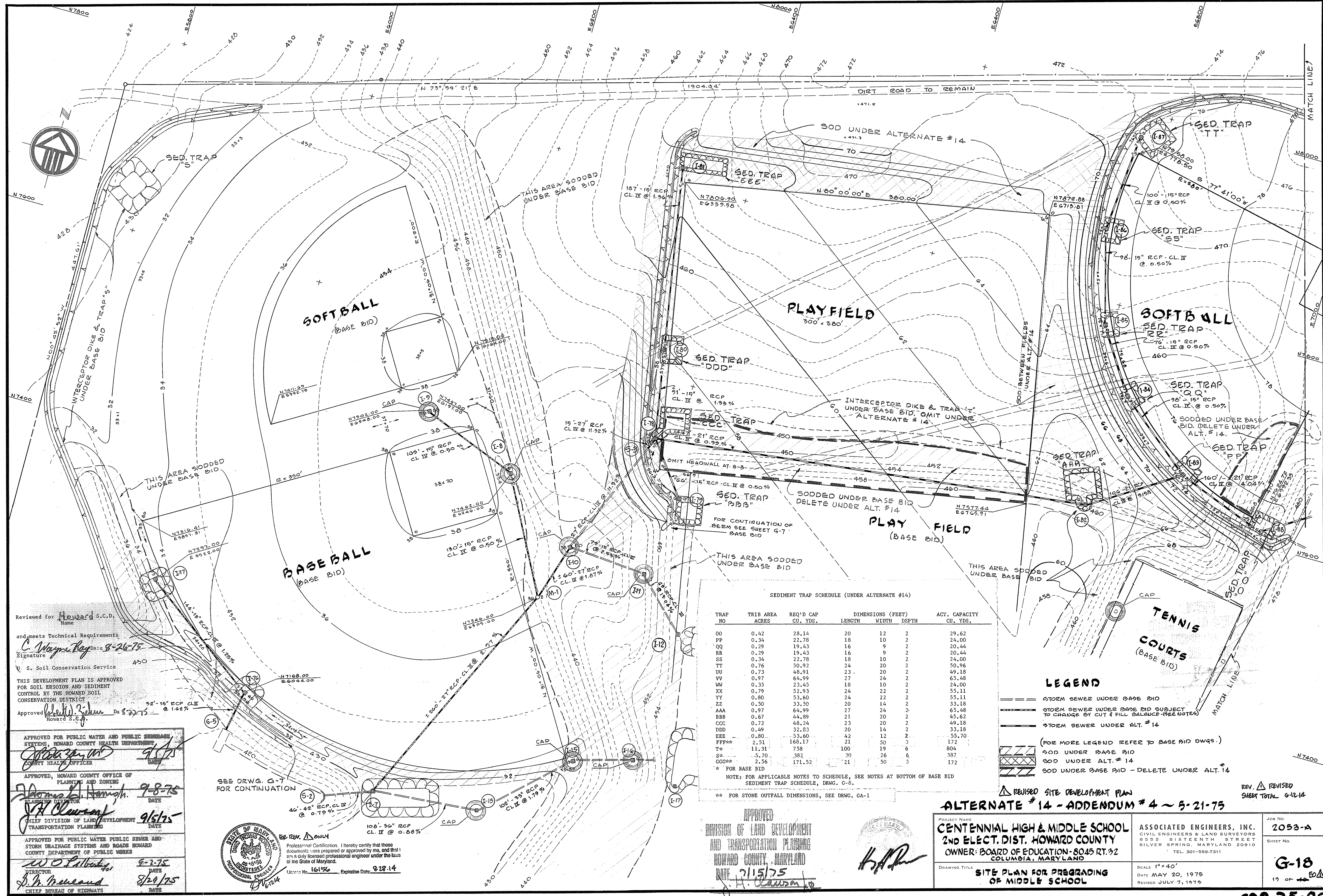
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
<u>[Signature]</u> 9/5/75	DATE
COUNTY HEALTH OFFICER	
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
<u>[Signature]</u> 9-8-75	DATE
PLANNING DIRECTOR	
CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING	
<u>[Signature]</u> 9/5/75	DATE
APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<u>[Signature]</u> 9/24/75	DATE
DIRECTOR	
CHIEF BUREAU OF HIGHWAYS	

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. 66152, Expiration Date 8-28-74
 STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 J. H. Clouston, Jr.

REVISOR SITE DEVELOPMENT PLAN
 ALTERNATE #14 - ADDENDUM #4 - 5-21-75

PROJECT NAME CENTENNIAL HIGH & MIDDLE SCHOOL 2ND ELECT. DIST. HOWARD COUNTY OWNER: BOARD OF EDUCATION-8045 RT. 32 COLUMBIA, MARYLAND	ASSOCIATED ENGINEERS, INC. CIVIL ENGINEERS & LAND SURVEYORS 8555 SIXTEENTH STREET SILVER SPRING, MARYLAND 20910 TEL. 301-589-7311	JOB NO. 2053-A SHEET NO. G-17 18 OF 48
DRAWING TITLE SITE PLAN FOR PREGRADING OF MIDDLE SCHOOL	SCALE 1" = 40' DATE MAY 20, 1975 REVISED JULY 7, 1975	

SDP-75-86



Reviewed for Howard S.C.D. Name
 and meets Technical Requirements
 Signature *C. Wayne Ray* Date 8-26-75
 S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved *John W. Zehner* Date 8-28-75
 Howard S.C.D.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
John Zehner 9/5/75
 COUNTY HEALTH OFFICER
 APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
James H. Harnish 9-8-75
 PLANNING DIRECTOR
J.H. Clauson 9/5/75
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W.O. Salby 9-2-75
 DIRECTOR
S.M. McNeel 8/29/75
 CHIEF BUREAU OF HIGHWAYS

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: 9-28-14
John W. Zehner

SEDIMENT TRAP SCHEDULE (UNDER ALTERNATE #14)

TRAP NO	TRIB AREA ACRES	REQ'D CAP CU. YDS.	DIMENSIONS (FEET)			ACT. CAPACITY CU. YDS.
			LENGTH	WIDTH	DEPTH	
00	0.42	28.14	20	12	2	39.62
PP	0.34	22.78	18	10	2	24.00
QQ	0.29	19.43	16	9	2	20.44
RR	0.29	19.43	16	9	2	20.44
SS	0.34	22.78	18	10	2	24.00
TT	0.76	50.92	24	20	2	50.96
UU	0.73	48.91	23	20	2	49.18
VV	0.97	64.99	27	24	2	65.48
WW	0.33	23.45	18	10	2	24.00
XX	0.79	52.93	24	22	2	55.11
YY	0.80	53.60	24	22	2	55.11
ZZ	0.50	33.50	20	14	2	33.18
AAA	0.97	64.99	27	24	2	65.48
BBB	0.67	44.89	21	20	2	45.62
CCC	0.72	48.74	23	20	2	49.18
DDD	0.49	32.83	20	14	2	33.18
EEE	0.80	53.60	24	22	2	55.11
FFF**	2.51	168.17	21	50	3	172
TT*	11.31	758	100	19	6	804
SS*	5.70	382	30	26	6	387
GQQ**	2.56	171.52	21	50	3	172

* FOR BASE BID
 NOTE: FOR APPLICABLE NOTES TO SCHEDULE, SEE NOTES AT BOTTOM OF BASE BID
 SEDIMENT TRAP SCHEDULE, DRWG. G-8.
 ** FOR STONE OUTFALL DIMENSIONS, SEE DRWG. GA-1

LEGEND
 --- STORM SEWER UNDER BASE BID
 --- STORM SEWER UNDER BASE BID SUBJECT TO CHANGE BY CUT & FILL BALANCE (SEE NOTES)
 --- STORM SEWER UNDER ALT. #14
 (FOR MORE LEGEND REFER TO BASE BID DWG.)
 [Symbol] SOD UNDER BASE BID
 [Symbol] SOD UNDER ALT. #14
 [Symbol] SOD UNDER BASE BID - DELETE UNDER ALT. #14

REVISED SITE DEVELOPMENT PLAN
 ALTERNATE #14 - ADDENDUM #4 ~ 5-21-75

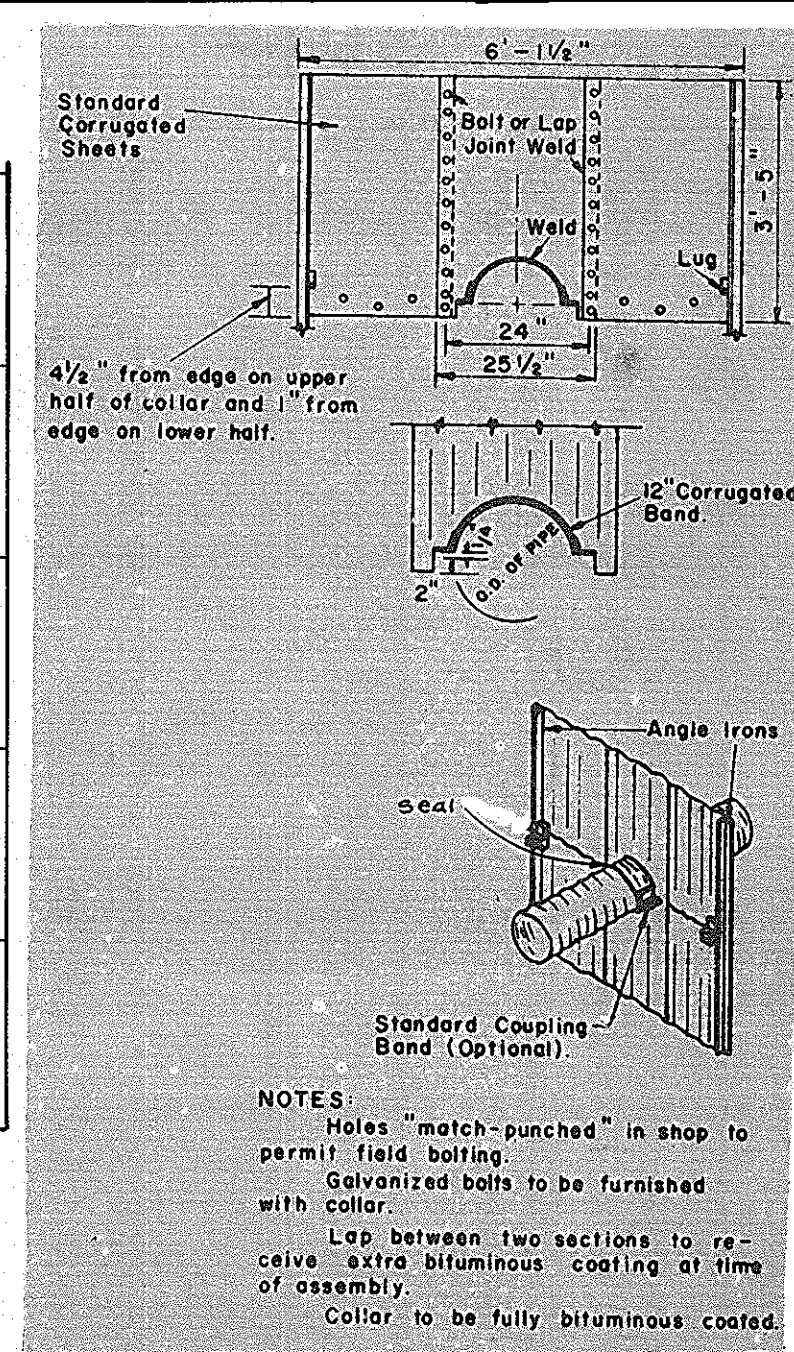
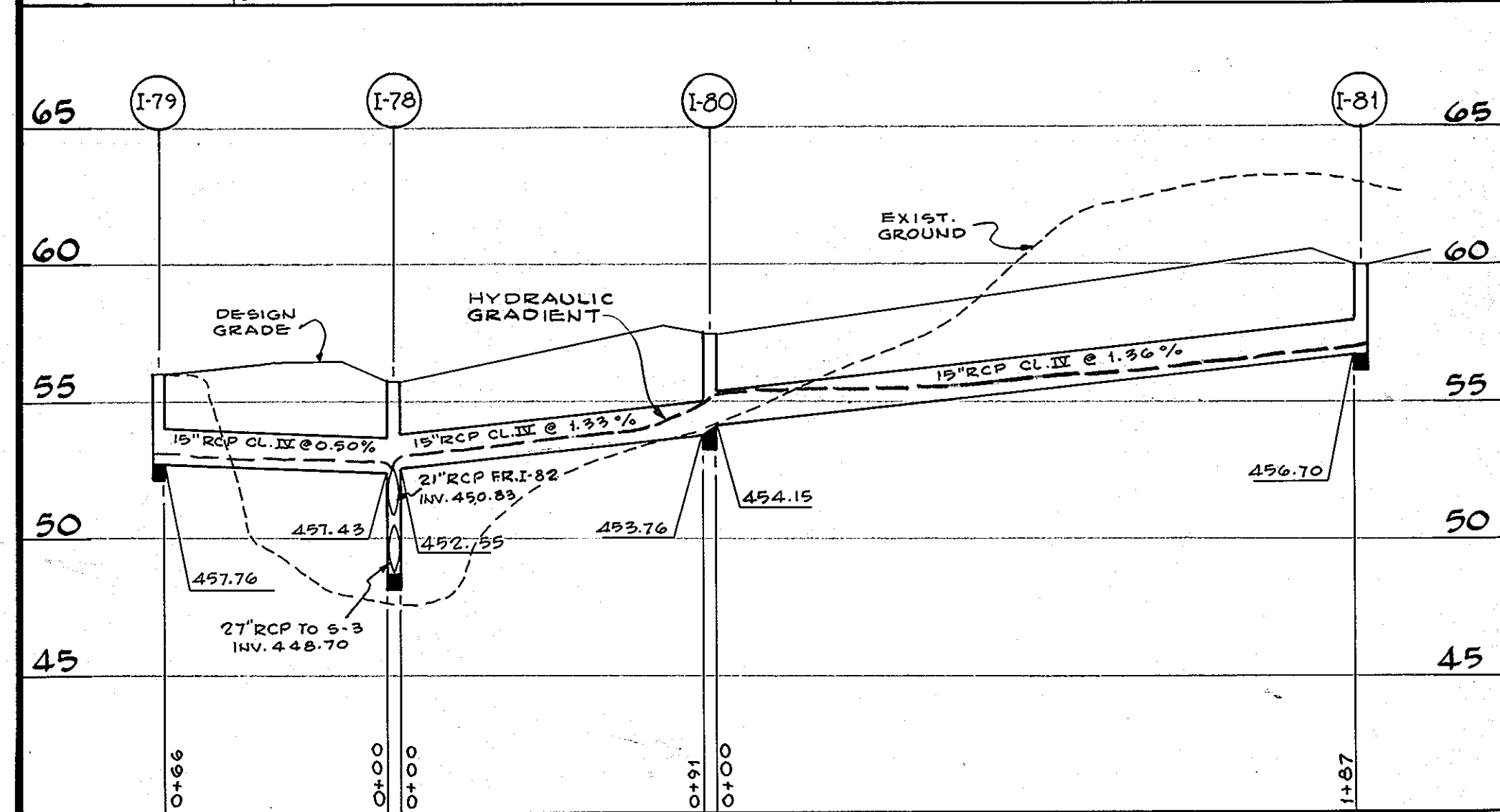
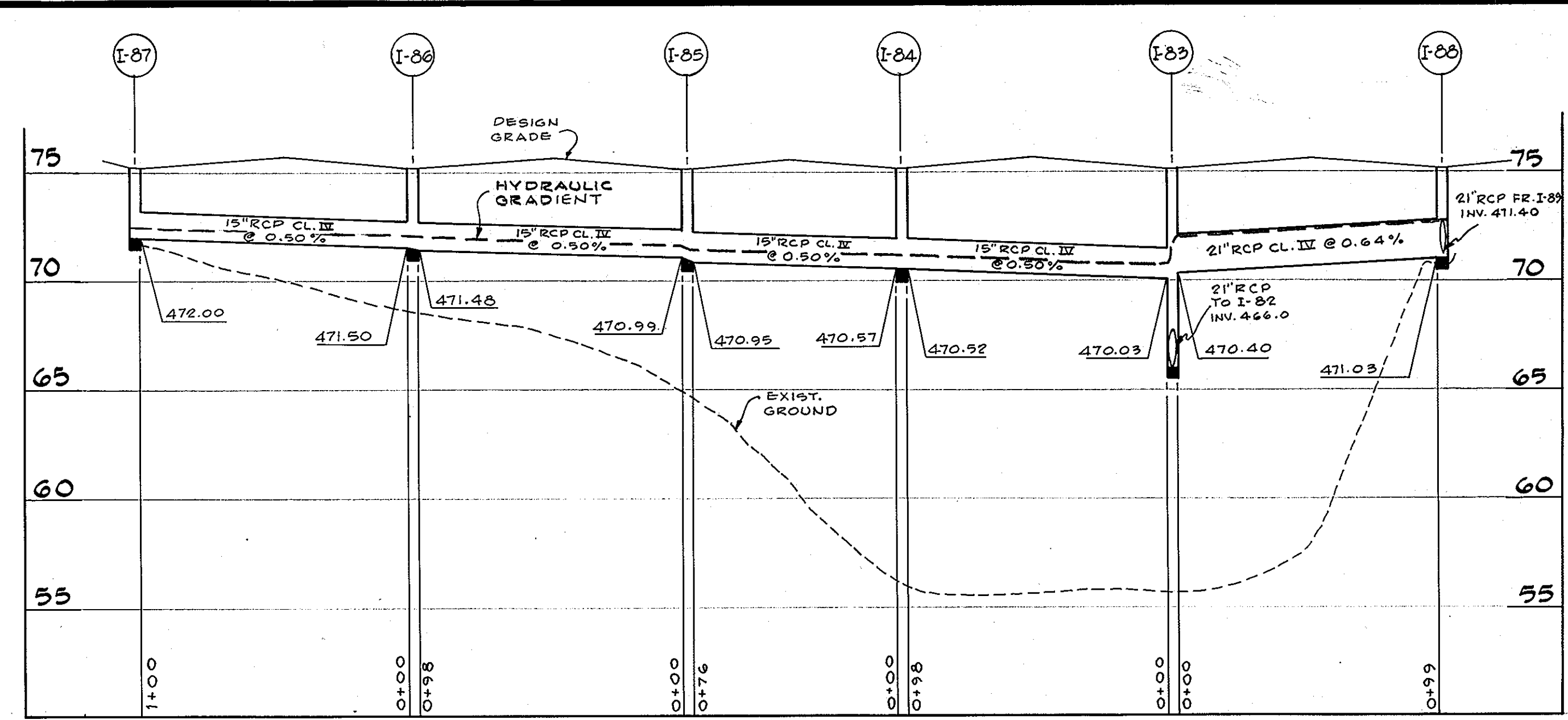
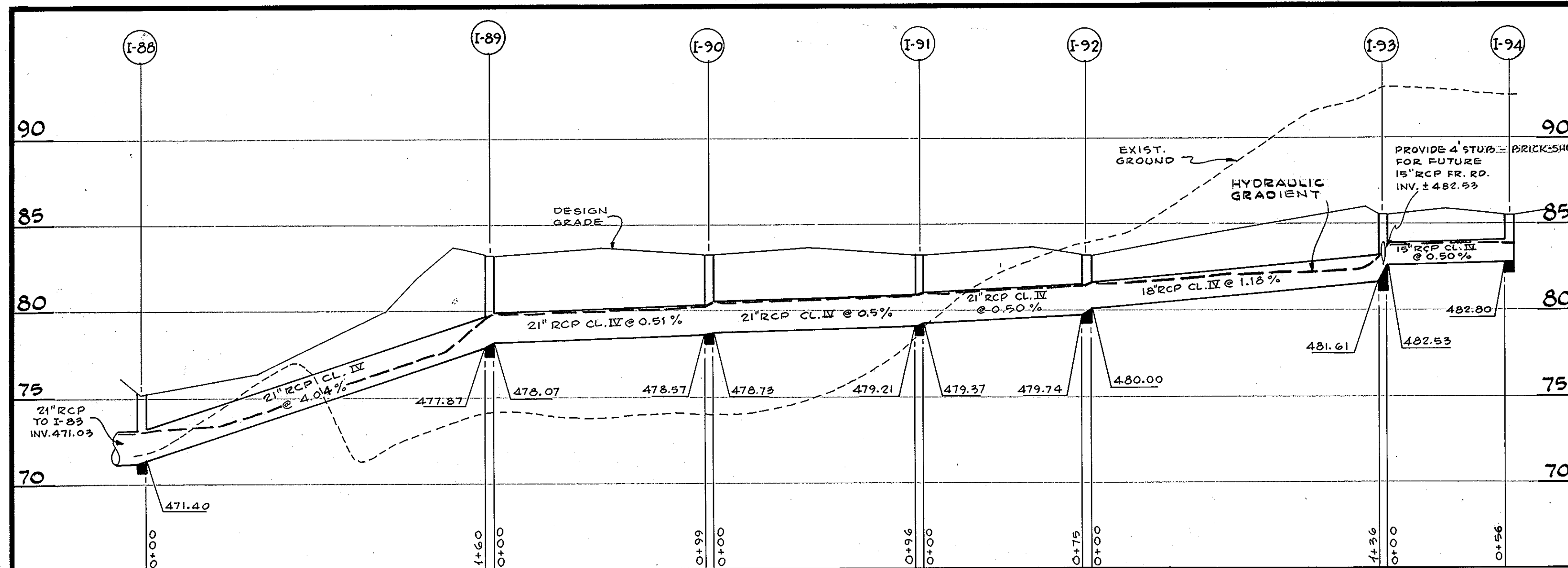
APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
J.H. Clauson

PROJECT NAME
 CENTENNIAL HIGH & MIDDLE SCHOOL
 2ND ELECT. DIST. HOWARD COUNTY
 OWNER: BOARD OF EDUCATION - 8045 RT. 32 COLUMBIA, MARYLAND

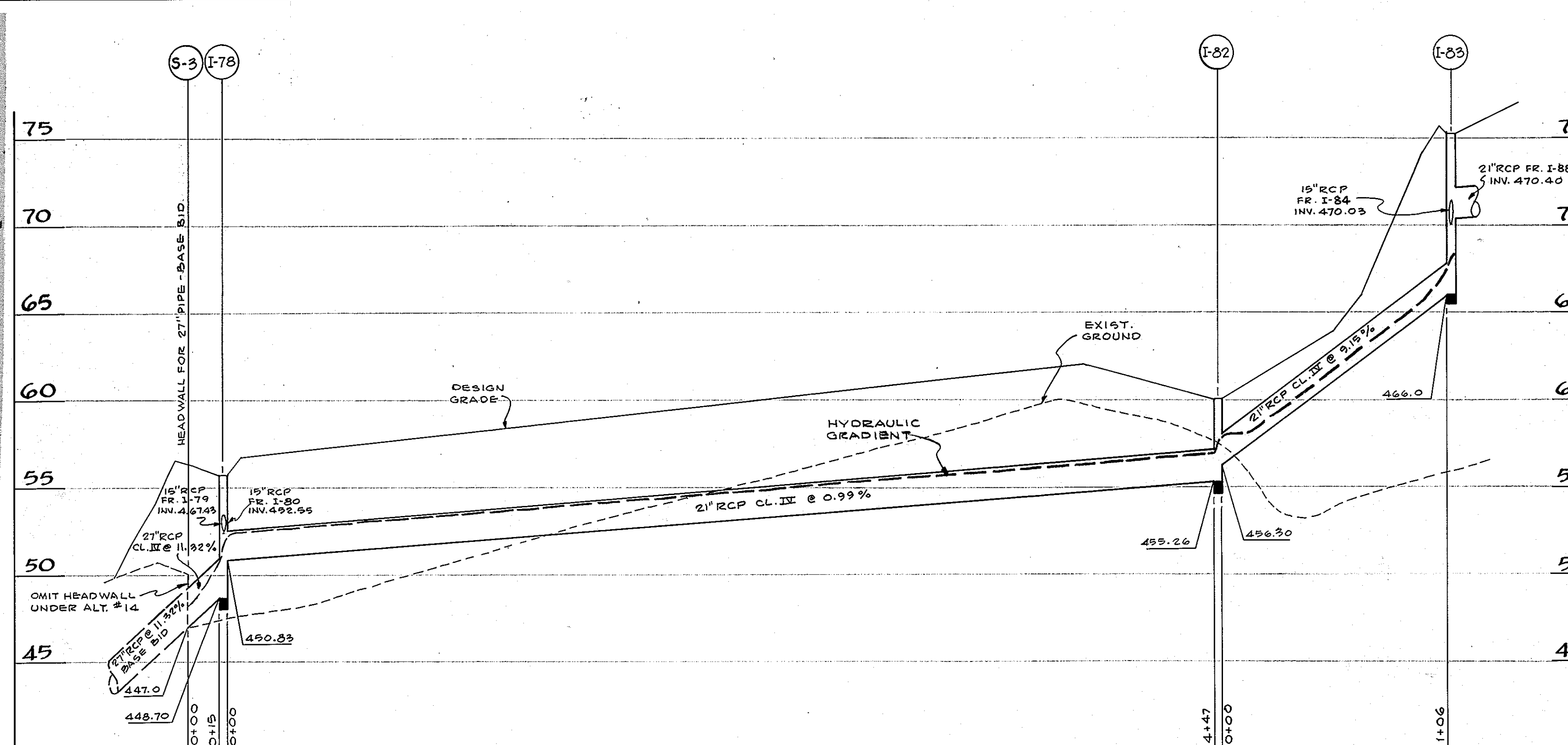
ASSOCIATED ENGINEERS, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 8335 SIXTEENTH STREET
 SILVER SPRING, MARYLAND 20910
 TEL. 301-589-7311

JOB No. 2053-A
 SHEET No. G-18
 SCALE 1"=40'
 DATE MAY 20, 1975
 REVISED JULY 7, 1975

19 OF 44
 SDP-75-86



CORRUGATED ANTI-SEEP COLLAR
NOT TO SCALE



STORM SEWER PROFILES
SCALE: HORIZ. 1" = 40'; VERT. 1" = 5'

NOTE: EXISTING GROUND SHOWN MAY BE EITHER ORIGINAL GROUND OR DESIGN GRADE UNDER BASE BID.
COMPACT FILL UNDER PIPES TO 95% DENSITY UNDER OPTIMUM MOISTURE CONTENT.

STORM SEWER STRUCTURE TABLE						
NO.	TYPE	TOP ELEV.	INVERT OUT	REMARKS	COORDINATES	
					NORTHING	EASTING
I-78	YARD DRAIN	455.70	448.70	AS DETAILED*	7538.00	6378.00
I-79	YARD DRAIN	456.00	452.76	AS DETAILED	7484.00	6418.00
I-80	YARD DRAIN	457.50	453.76	AS DETAILED	7630.00	6362.00
I-81	YARD DRAIN	460.00	456.70	AS DETAILED	7816.00	6328.00
I-82	YARD DRAIN	460.00	455.26	AS DETAILED	7595.00	6819.00
I-83	YARD DRAIN	475.20	466.00	AS DETAILED	7649.00	6911.00
I-84	YARD DRAIN	475.20	470.52	AS DETAILED	7713.00	6833.00
I-85	YARD DRAIN	475.20	470.95	AS DETAILED	7778.00	6792.00
I-86	YARD DRAIN	475.20	471.48	AS DETAILED	7873.00	6767.00
I-87	YARD DRAIN	475.20	472.00	AS DETAILED	7975.00	6776.00
I-88	YARD DRAIN	475.20	471.03	AS DETAILED	7614.00	7004.00
I-89	YARD DRAIN	483.20	477.87	AS DETAILED	7763.00	7071.00
I-90	YARD DRAIN	483.20	478.57	AS DETAILED	7861.00	7086.00
I-91	YARD DRAIN	483.20	479.21	AS DETAILED	7959.00	7102.00
I-92	YARD DRAIN	483.20	479.74	AS DETAILED	8034.00	7113.00
I-93	"E" INLET	485.50	481.61	D.P.W. STD. SDD-35	8025.00	7249.00
I-94	"E" INLET	485.50	482.80	D.P.W. STD. SDD-35	8081.00	7235.00

* FOR DETAILS REFER TO BASE BID DRWGS.

Reviewed for HOWARD S.C.D.
Name _____ Date 8-26-75
Chalmer Ray
Signature
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Approved: Howard S. D. Date 8-22-75

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
John S. Harris 9/5/75
COUNTY HEALTH OFFICER DATE
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John S. Harris 9-8-75
PLANNING DIRECTOR DATE
APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W.O. Salter 9-2-75
DIRECTOR DATE
S.H. McKeand 8/29/75
CHIEF BUREAU OF HIGHWAYS DATE

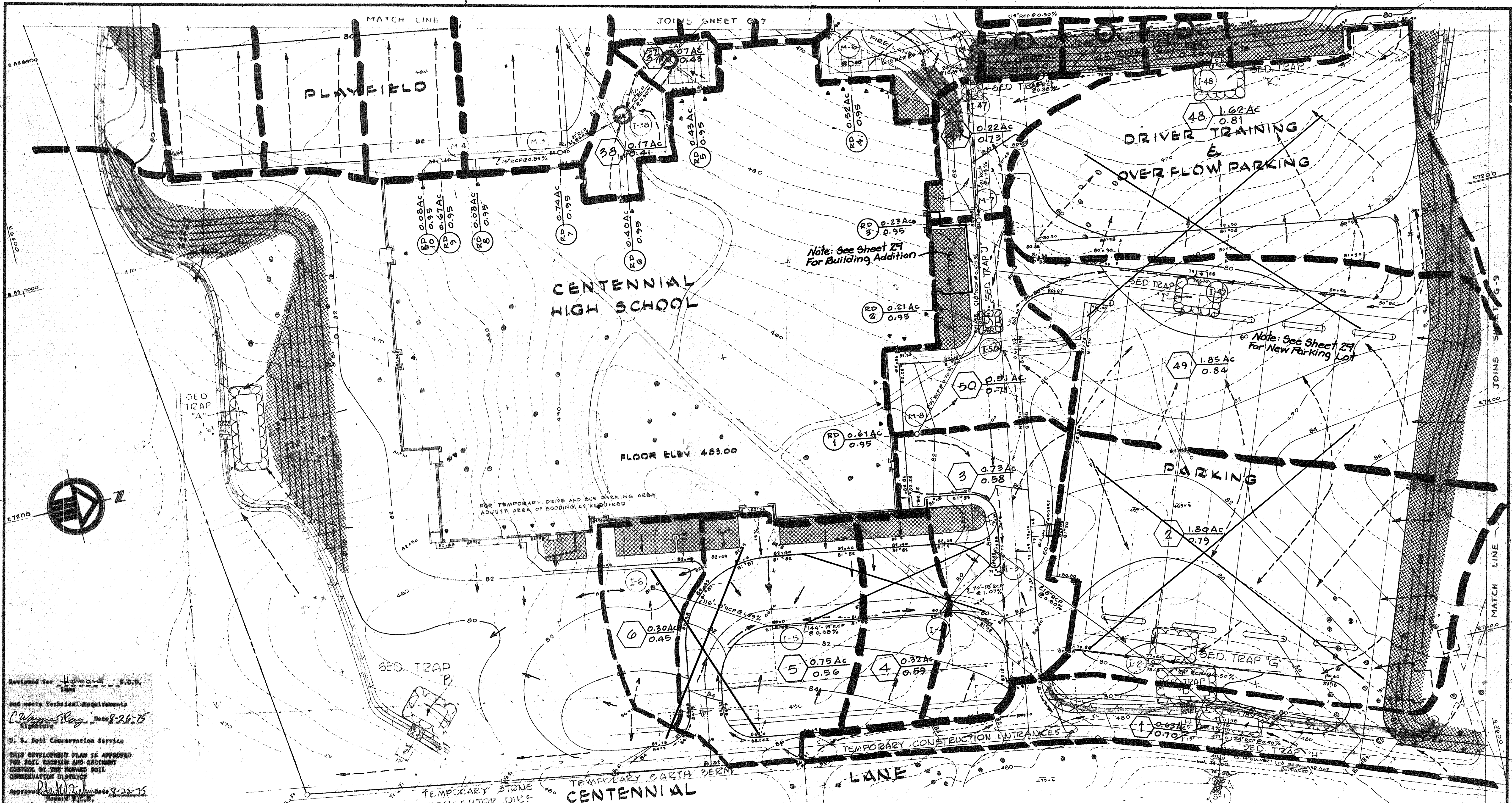
APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 7/15/75
J. H. Clawn

- Base Bid and Alternate #14
- 1.) Provide 42" high temporary fence at all Sediment Traps deeper than 2 feet and around the entire perimeter of the Sediment Basin.
 - 2.) Provide water-tight anti-seep collar at center of 24 inch CMP through dike at Sediment Basin. For Details see this sheet.

H. J. P.

ALTERNATE #14 - ADDENDUM #4 - 5-21-75

PROJECT NAME CENTENNIAL HIGH & MIDDLE SCHOOL 2ND ELECT. DIST. HOWARD COUNTY OWNER: BOARD OF EDUCATION - 8045 RT. 32 COLUMBIA, MARYLAND	ASSOCIATED ENGINEERS, INC. CIVIL ENGINEERS & LAND SURVEYORS 8555 SIXTEENTH STREET SILVER SPRING, MARYLAND 20910 TEL. 301-589-7311	JOB No. 2053-A
DRAWING TITLE STORM DRAINAGE PROFILES	SCALE AS NOTED DATE MAY 20, 1975 REVISED	SHEET No. G-19
		20 OF 40



Reviewed for Howard Co. P.D.
 and made Technical Requirements
 C. Wayne Roy, Date 8-26-75
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT
 Approved: [Signature], Date 8-22-75
 HOWARD CO. P.D.

APPROVED FOR PUBLIC USE AND PUBLIC UTILITIES
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 James D. Hamer, 9-8-75
 APPROVED, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 APPROVED FOR PUBLIC USE AND PUBLIC UTILITIES AND STORM DRAINAGE SYSTEMS AND ROAD DESIGN
 COUNTY DEPARTMENT OF PUBLIC WORKS
 W.O. [Signature], 9-2-75
 J.H. [Signature], 8/29/75

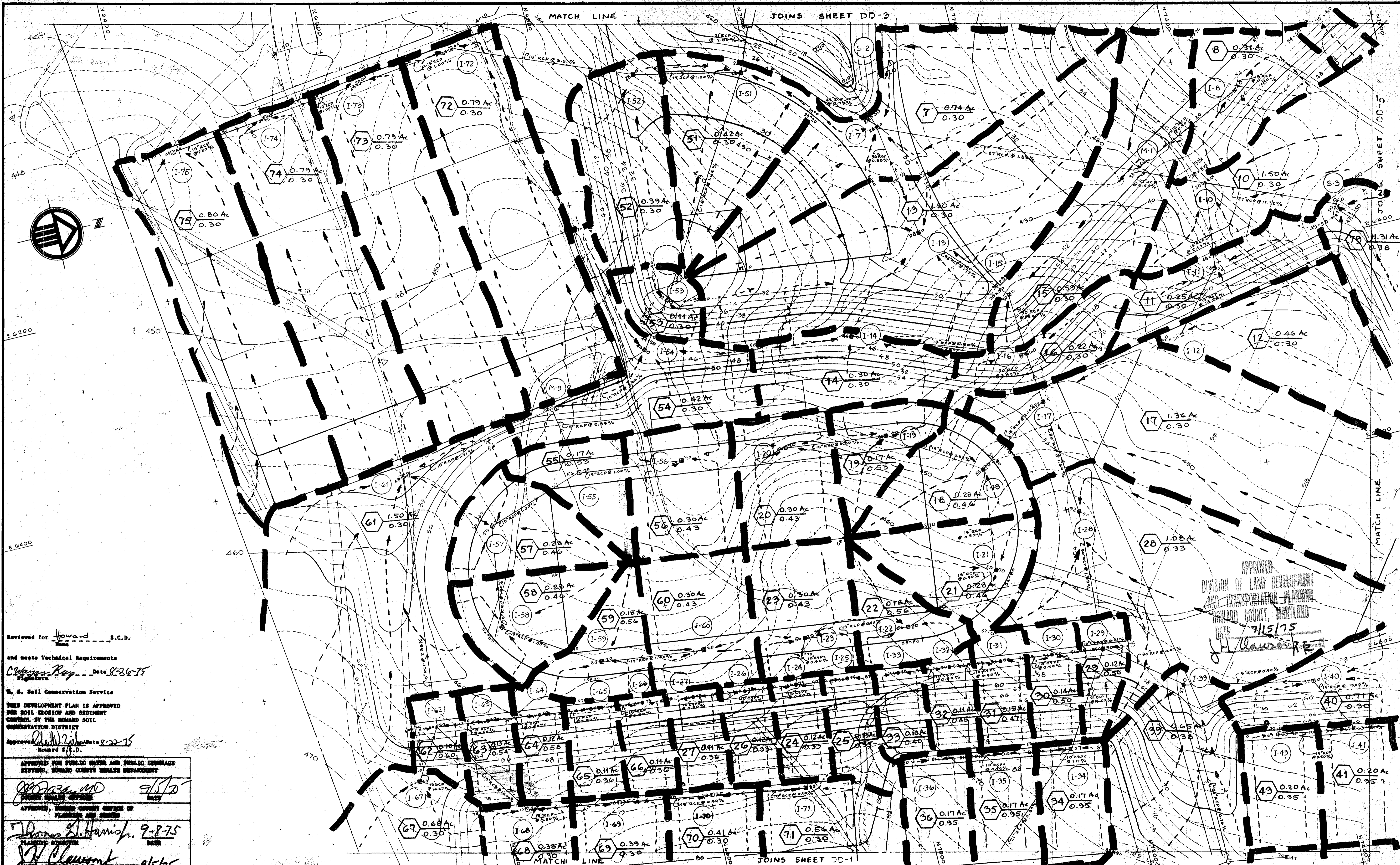
DEVELOPER'S CERTIFICATION
 "I certify that all development and/or construction will be done in accordance with this plan of development and plan for Erosion and Sediment Control and I also authorize periodic onsite inspections by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District."
 David J. Beagley, 8/15/75
 DESIGN 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."
 H.S.P., 8-15-75

SCALE: 1" = 40'
 ASSOCIATED ENGINEERS, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 8555 SIXTEENTH STREET
 SILVER SPRING, MARYLAND 20910
 TEL. 301-568-7311

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
 J.H. [Signature]

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 8-28-14
 REVISION 9/14/10 FISHER COLLINS & CARTER INC.
 REV. Δ REVISOR SHEET TOTAL 6/12-14
 SDP NO: SDP-75-86

STANLEY H. ARTHUR A.I.A. ARCHITECT 1906 DEL RAY AVENUE BETHESDA MARYLAND 20814-4888	SHEET TITLE DRAINAGE DIVIDES	DRAWN BY [Signature]	JOB NUMBER 468-74
	JOB TITLE CENTENNIAL HIGH SCHOOL 2nd ELECT. DIST. HOWARD CO. MARYLAND OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND 8045 ROUTE # 32 COLUMBIA, MD. 21044	DATE MAY, 1975	SHEET NUMBER DD-1 21 of 40



Reviewed for Howard S.C.D.
Name

and meets Technical Requirements
Clayton Ray Date 8-26-75
Signature

U. S. Soil Conservation Service

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

Approved: [Signature] Date 8-22-75
Howard S.C.D.

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

[Signature] 9/1/75
COUNTY HEALTH OFFICER

APPROVED, BOARD COUNTY OFFICE OF
PLANNING AND ZONING

Thomas J. Harris 9-8-75
PLANNING DIRECTOR

J. H. Lawrentz 9/15/75
DEPT. DIVISION OF LAND MANAGEMENT
TRANSPORTATION PLANNING

APPROVED FOR PUBLIC WATER PUBLIC SEWER AND
STORM DRAINAGE SYSTEMS AND ROADS HOWARD
COUNTY DEPARTMENT OF PUBLIC WORKS

W. J. Fallick 9-2-75
DIRECTOR
D. H. McCreland 8/29/75
CHIEF ENGINEER OF HIGHWAYS

[Signature]

SCALE: 1" = 40'

ASSOCIATED ENGINEERS, INC.
SITE ENGINEERS
8555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-489-7311

STANLEY H. ARTHUR, AIA, ARCHITECT
4400 DELAWARE AVENUE, SUITE 200, WASHINGTON, D.C. 20008

SHEET TITLE: DRAINAGE DIVIDES
JOB TITLE: CENTENNIAL HIGH SCHOOL
2200 EAST 1ST, HOWARD, CO, MARYLAND
OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
8045 ROUTE # 31, COLUMBIA, MD, 21044

DATE	REVISIONS	DRAWN BY	JOB NUMBER
			DD-2
			22 of 40

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER DATE
[Signature] 9/5/75

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR DATE
[Signature] 9-8-75

APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROAD DESIGN COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE
[Signature] 9/5/75

APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROAD DESIGN COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE
[Signature] 9-2-75

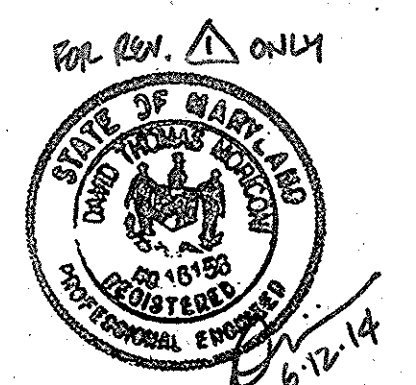
APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROAD DESIGN COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE
[Signature] 8/29/75

Reviewed for Howard S.C.D.
 Name

and meets Technical Requirements
 Signature C. Wayne Ray Date 8-26-75

U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved [Signature] Date 8/22/75
 District S.C.D.

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
[Signature]

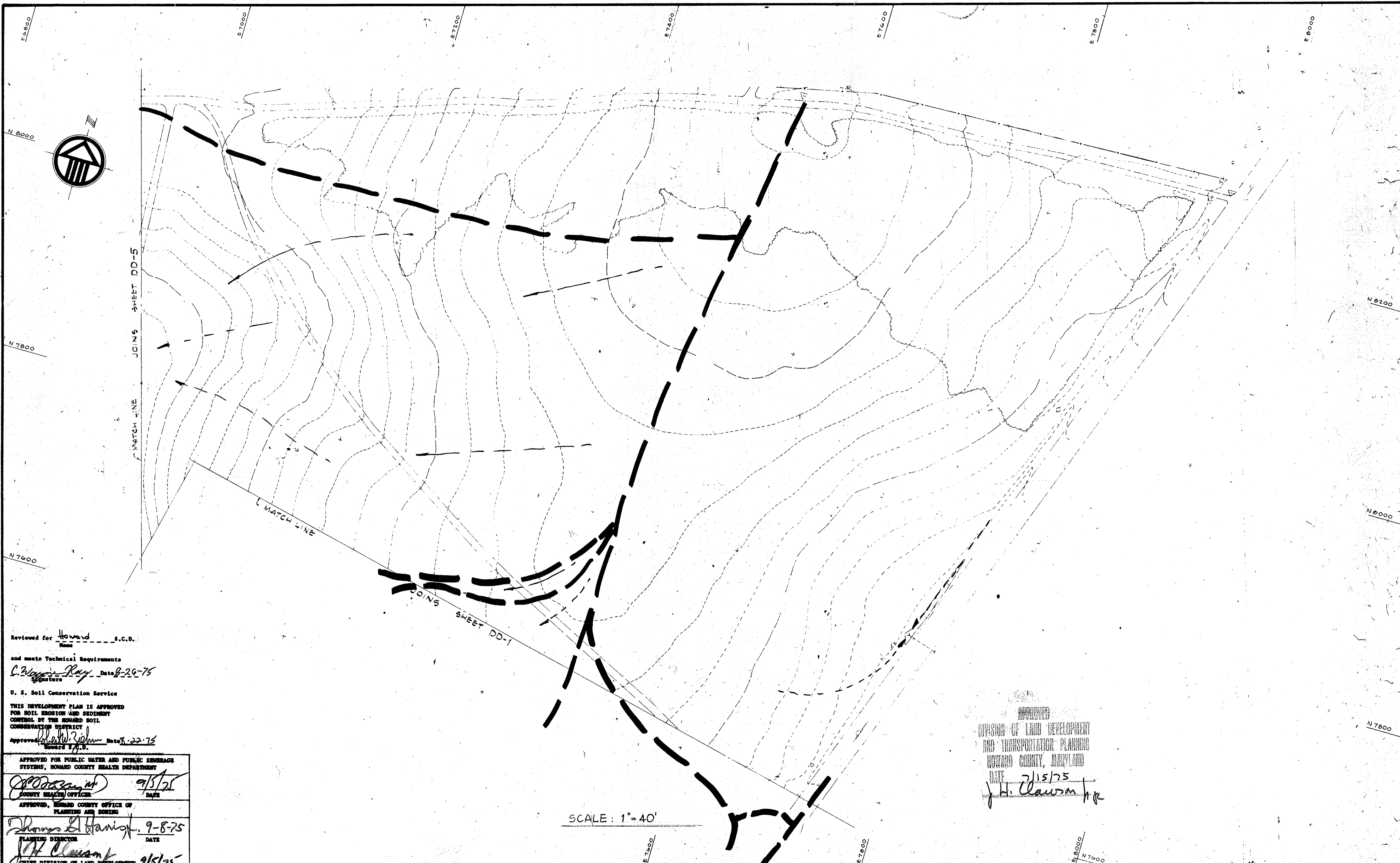


Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No. 16156 Expiration Date: 3-28-14



SCALE: 1" = 40' ASSOCIATED ENGINEERS, INC. CIVIL ENGINEERS & LAND SURVEYORS 8555 SIXTEENTH STREET SILVER SPRING, MARYLAND 20910 TEL. 301-569-7311	SHEET TITLE DRAINAGE DIVIDES - REVISD SITE DEVELOPMENT PLAN	JOB TITLE CENTENNIAL HIGH SCHOOL 2nd ELECT. DIST. HOWARD CO. MARYLAND OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND 8045 ROUTE # 32 COLUMBIA, MD. 21044	DRAWN BY	JOB NUMBER
			DATE	SHEET NUMBER
			REV. DATE	DD-3
			REV. DATE	23 of 40 50
			SHEET TOTAL	6-12-14

SDP-75-86



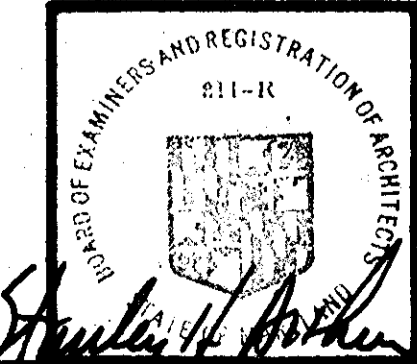
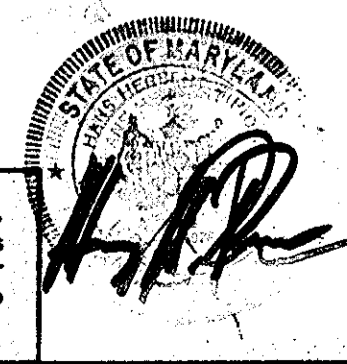
Reviewed for Howard S.C.D.
 and meets Technical Requirements
C. Wayne Ray Date 8-26-75
 U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT
 Approved: *W. W. Wilson* Date 8-22-75
 COUNTY S.C.D.

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
J. H. Clawson

SCALE: 1" = 40'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 9/5/75
 COUNTY HEALTH OFFICER DATE
 APPROVED, HOWARD COUNTY OFFICE OF
 PLANNING AND ZONING
Thomas L. Hanigh 9-8-75
 PLANNING DIRECTOR DATE
J. H. Clawson 9/5/75
 CHIEF DIVISION OF LAND DEVELOPMENT
 TRANSPORTATION PLANNING DATE
 APPROVED FOR PUBLIC WATER PUBLIC SEWER AND
 STORM DRAINAGE SYSTEMS AND ROADS HOWARD
 COUNTY DEPARTMENT OF PUBLIC WORKS
W. O. Albert 9-2-75
 DIRECTOR DATE
D. W. Ireland 8/29/75
 CHIEF BUREAU OF RECREATION DATE

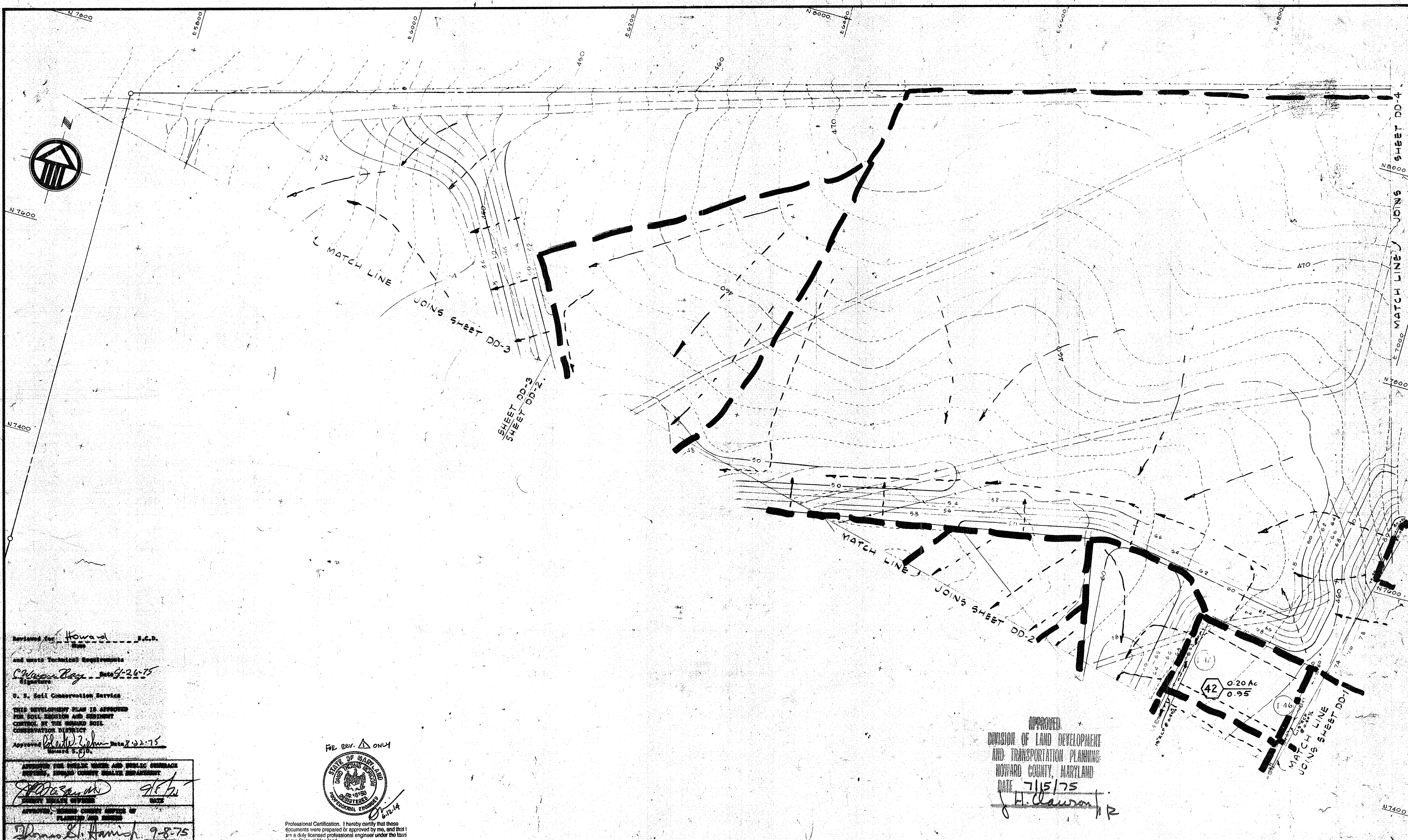
ASSOCIATED ENGINEERS, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 8555 SIXTEENTH STREET
 SILVER SPRING, MARYLAND 20910
 TEL. 301-588-7311



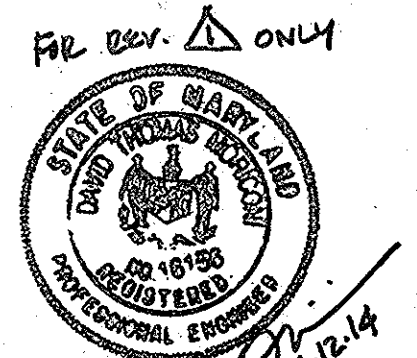
STANLEY H. ARTHUR, A.I.A. ARCHITECT
 4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE DRAINAGE DIVIDES
 JOB TITLE CENTENNIAL HIGH SCHOOL
 2nd ELECT. DIST. HOWARD CO. MARYLAND
 OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND
 8045 ROUTE # 32 COLUMBIA, MD. 21044

DRAWN BY	JOB NUMBER
DATE	SHEET NUMBER
REVISIONS	DD-4
	24 of 40



Revised by Howard S.C.D.
 and made Technical Requirements
C. Wayne Ray Date 9-26-75
 Signature
 U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT
 Approved Blair J. John Date 8-22-75
 Signature



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.
 No. 16156 - Expiration Date: 8-28-14

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
H. Lawson PR

SCALE: 1" = 40'

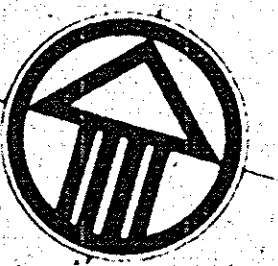
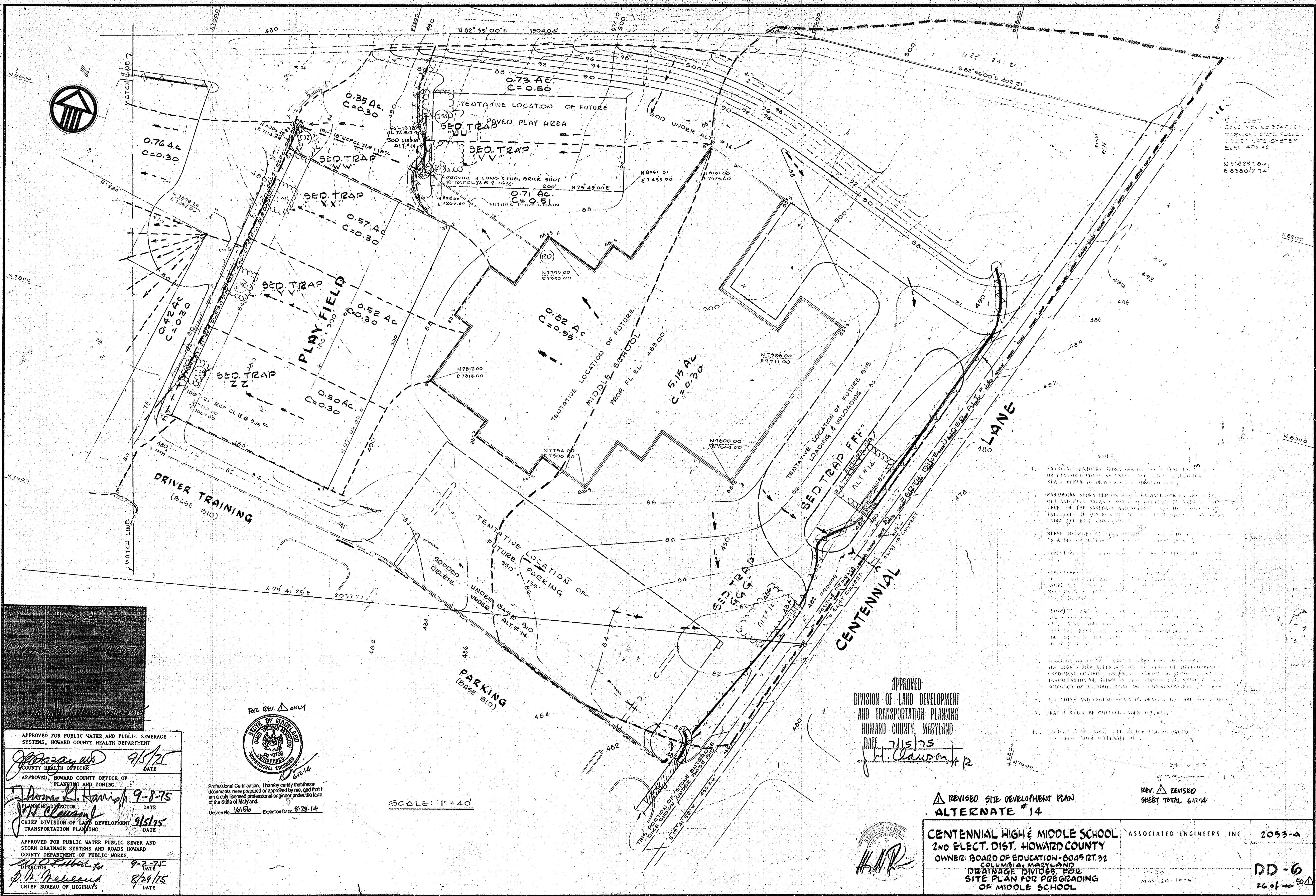
APPROVED FOR SPECIAL WATERS AND PUBLIC UTILITY SERVICE
[Signature] DATE
 COUNTY HEALTH OFFICER
 APPROVED, HOWARD COUNTY SERVICE OF
 PLANNING AND ZONING
Donald L. Hamish 9-8-75
 PLANNING DIRECTOR
J. H. Clement 9/5/75
 CHIEF DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND
 STORM DRAINAGE SYSTEMS AND STORM SEWER
 COUNTY DEPARTMENT OF PUBLIC WORKS
W. O. Pickett 9-2-75
 CHIEF
D. M. McCreland 8/24/75
 CHIEF DEPARTMENT OF ENGINEERS

ASSOCIATED ENGINEERS, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 8555 SIXTEENTH STREET
 SILVER SPRING, MARYLAND 20910
 TEL. 301-589-7311

STANLEY H. ARTHUR A.I.A. ARCHITECT
 4905 DEL RAY AVENUE BETHESDA MARYLAND 654-4888

SHEET TITLE DRAINAGE DIVIDES <small>REVISED SITE DEVELOPMENT</small>	DRAWN BY	JOB NUMBER
JOB TITLE CENTENNIAL HIGH SCHOOL PLAN	DATE	SHEET NUMBER
2nd ELECT. DIST. HOWARD CO. MARYLAND OWNER: THE BOARD OF EDUCATION-HOWARD COUNTY, MARYLAND 8045 ROUTE # 32 COLUMBIA, MD. 21044	REVISIONS REV. Δ REVISED SHEET TOTAL 6-12-14	DD-5 25 of 40 Δ 50 Δ

SDP-75-86



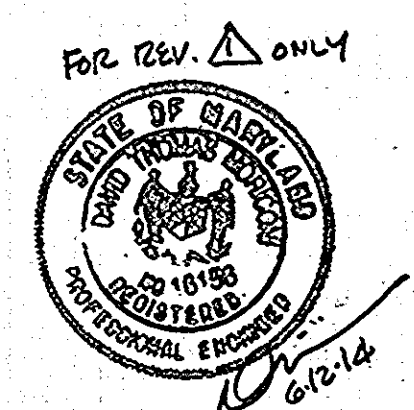
U.S. 5297.00
E. 6360.74

NOTES
 1. EXISTING UTILITIES SHOWN HEREON ARE BASED ON RECORD PLANS AND FIELD SURVEY. REFER TO DRAWING SHEET 173-39-714 FOR DETAILS.
 2. FUTURE WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MARYLAND STATE ENGINEERING PROFESSIONAL ACT AND THE MARYLAND STATE BOARD OF PROFESSIONAL ENGINEERS. REFER TO THE MARYLAND STATE BOARD OF PROFESSIONAL ENGINEERS FOR THE LATEST EDITIONS OF THE MARYLAND STATE ENGINEERING PROFESSIONAL ACT AND THE MARYLAND STATE BOARD OF PROFESSIONAL ENGINEERS.
 3. REFER TO SHEET 173-39-714 FOR DETAILS OF THE EXISTING UTILITIES.
 4. THE LOCATION OF THE FUTURE MIDDLE SCHOOL IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.
 5. THE LOCATION OF THE FUTURE PAVED PLAY AREA IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.
 6. THE LOCATION OF THE FUTURE DRIVER TRAINING AREA IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.
 7. THE LOCATION OF THE FUTURE PARKING AREA IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.
 8. THE LOCATION OF THE FUTURE SED TRAP AREAS IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.
 9. THE LOCATION OF THE FUTURE PLAY FIELDS IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.
 10. THE LOCATION OF THE FUTURE MIDDLE SCHOOL IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.
 11. THE LOCATION OF THE FUTURE PAVED PLAY AREA IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.
 12. THE LOCATION OF THE FUTURE DRIVER TRAINING AREA IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.
 13. THE LOCATION OF THE FUTURE PARKING AREA IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.
 14. THE LOCATION OF THE FUTURE SED TRAP AREAS IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.
 15. THE LOCATION OF THE FUTURE PLAY FIELDS IS TENTATIVE AND SUBJECT TO THE APPROVAL OF THE BOARD OF EDUCATION.

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
 J. H. Lawson Jr.

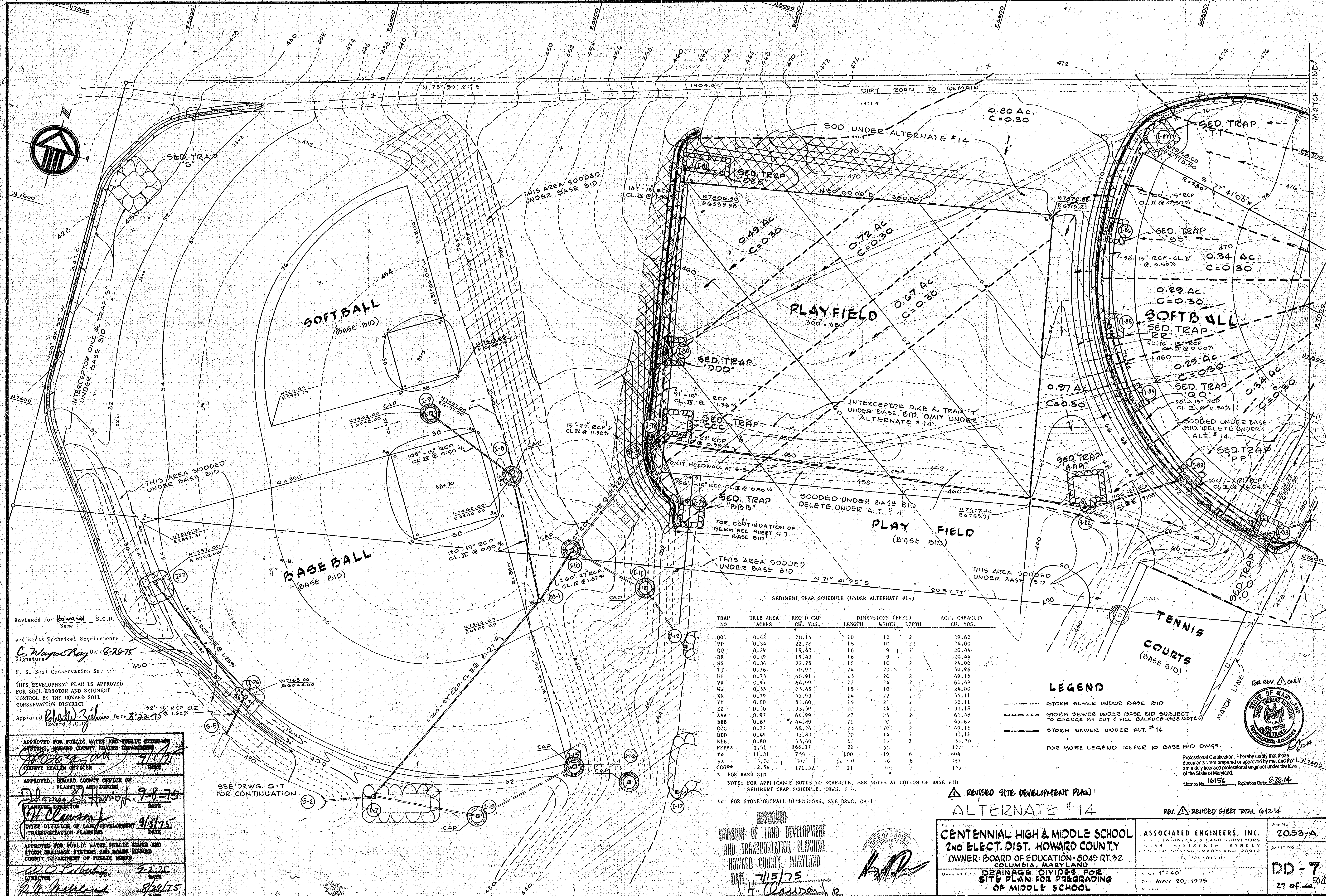
Δ REVISED SITE DEVELOPMENT PLAN
 ALTERNATE # 14
 CENTENNIAL HIGH & MIDDLE SCHOOL ASSOCIATED ENGINEERS INC 2053-A
 2ND ELECT. DIST. HOWARD COUNTY
 OWNER: BOARD OF EDUCATION-8045 RT. 32
 COLUMBIA, MARYLAND
 DRAINAGE DIVISION PER
 SITE PLAN FOR PREPARING
 OF MIDDLE SCHOOL
 DD-6
 26 of 50 Δ
 MAY 20 1975

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER 9/5/75
 APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR 9-8-75
 CHIEF DIVISION OF LAND DEVELOPMENT TRANSPORTATION PLANNING 9/5/75
 APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR 9-2-75
 CHIEF BUREAU OF HIGHWAYS 8/29/75



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 8-28-14

SCALE: 1" = 40'



Reviewed for Howard S.C.D. Name
 and meets Technical Requirements
C. Wayne King Dr. 8-26-75
 Signature
 U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved *Robert J. Zilman* Date 8-22-75 @ 1.62%

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 9/1/75
 COUNTY HEALTH OFFICER
 APPROVED, DEMAND COUNTY OFFICE OF PLANNING AND ZONING
Thomas L. Harshbarger 9-8-75
 PLANNING DIRECTOR
 APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND BOARD DEMAND COUNTY DEPARTMENT OF PUBLIC WORKS
W.O. Falkenberg 9-2-75
 DIRECTOR
P.H. Ireland 9-21-75
 CHIEF BUREAU OF HYGIENE

SEDIMENT TRAP SCHEDULE (UNDER ALTERNATE #14)

TRAP NO	TRIB AREA ACRES	REQ'D CAP CU. YDS.	DIMENSIONS (FEET)			ACT. CAPACITY CU. YDS.
			LENGTH	WIDTH	DEPTH	
00	0.42	28.14	20	12	2	29.62
PP	0.34	22.78	16	10	2	24.00
QQ	0.29	19.43	16	9	2	20.44
RR	0.29	19.43	16	9	2	20.44
SS	0.34	22.78	18	10	2	24.00
TT	0.76	50.92	24	20	2	30.96
VV	0.73	48.91	23	20	2	49.18
WW	0.97	64.99	27	24	2	63.48
UU	0.35	23.45	18	10	2	24.00
XX	0.79	52.93	24	22	2	55.11
YY	0.80	53.60	24	22	2	55.11
ZZ	0.30	33.50	20	14	2	33.18
AAA	0.97	64.99	27	24	2	63.48
BBB	0.67	44.89	21	20	2	46.62
CCC	0.72	48.74	23	20	2	49.18
DDD	0.69	47.83	20	16	2	33.18
EEE	0.80	53.60	24	22	2	55.11
FFF**	2.51	166.17	21	50	6	172
T*	11.31	755	100	19	6	404
S*	1.70	112	10	26	6	187
GGG**	2.56	171.52	21	50	6	172

* FOR BASE BID
 ** FOR STONE OUTFALL DIMENSIONS, SEE DRWG. GA-1

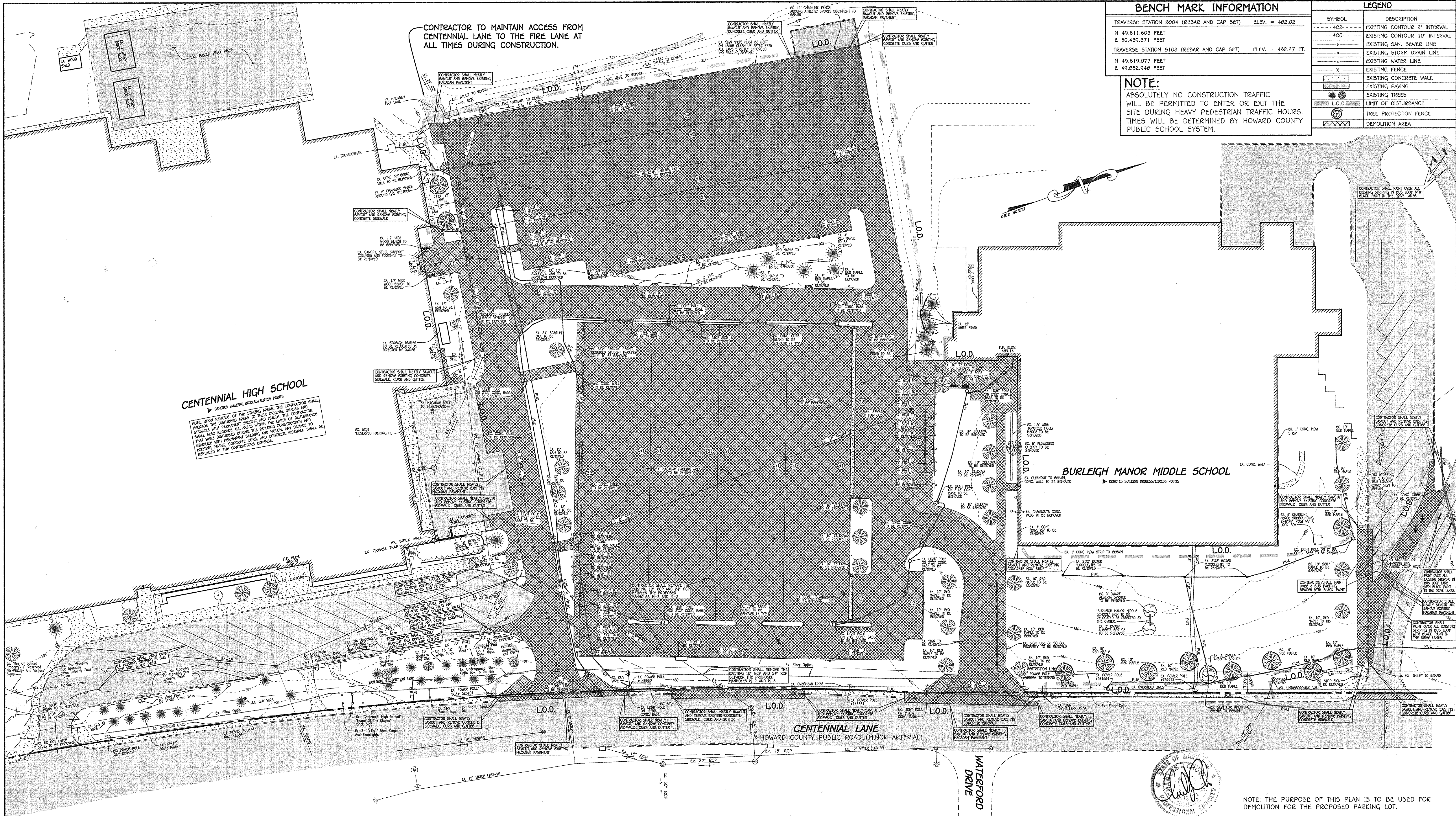
LEGEND
 --- STORM SEWER UNDER BASE BID
 --- STORM SEWER UNDER BASE BID SUBJECT TO CHANGE BY CUT & FILL BALANCE (SEE NOTES)
 --- STORM SEWER UNDER ALT. #14
 FOR MORE LEGEND REFER TO BASE BID DWGS
 Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No. 16156, Expiration Date: 8-28-14

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 7/15/75
H. Clauson

REVISOR'S SITE DEVELOPMENT PLAN
 ALTERNATE #14
 REV. #1 REVISOR SHEET TOTAL 61214

CENTENNIAL HIGH & MIDDLE SCHOOL 2ND ELECT. DIST. HOWARD COUNTY OWNER: BOARD OF EDUCATION - 8045 RT. 32 COLUMBIA, MARYLAND	ASSOCIATED ENGINEERS, INC. 1115 S. WALKER STREET SILVER SPRING, MARYLAND 20910 TEL. 101-589-7311	REV. NO. 2053-A SHEET NO. DD-7 27 of 40
------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------	-----------------------------------------------

DATE MAY 20, 1975
 50A
 SDA-75-86



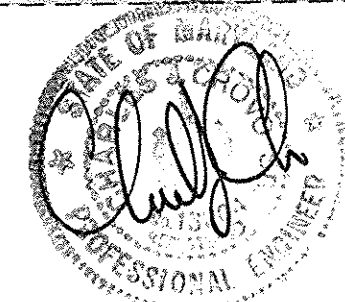
BENCH MARK INFORMATION		LEGEND	
TRAVERSE STATION 8004 (REBAR AND CAP SET)	ELEV. = 482.02	SYMBOL	DESCRIPTION
N 49,611.603 FEET	E 50,439,371 FEET	---	EXISTING CONTOUR 2' INTERVAL
TRAVERSE STATION 8103 (REBAR AND CAP SET)	ELEV. = 482.27 FT.	---	EXISTING CONTOUR 10' INTERVAL
N 49,619.077 FEET	E 49,852.948 FEET	---	EXISTING SAN. SEWER LINE
		---	EXISTING STORM DRAIN LINE
		---	EXISTING WATER LINE
		---	EXISTING FENCE
		---	EXISTING CONCRETE WALK
		---	EXISTING PAVING
		---	EXISTING TREES
		---	LIMIT OF DISTURBANCE
		---	TREE PROTECTION FENCE
		---	DEMOLITION AREA

NOTE:
ABSOLUTELY NO CONSTRUCTION TRAFFIC WILL BE PERMITTED TO ENTER OR EXIT THE SITE DURING HEAVY PEDESTRIAN TRAFFIC HOURS. TIMES WILL BE DETERMINED BY HOWARD COUNTY PUBLIC SCHOOL SYSTEM.

CENTENNIAL HIGH SCHOOL
 ▶ DENOTES BUILDING INGRESS/EGRESS POINTS
 NOTE: UPON REMOVAL OF THE STAGING AREA, THE CONTRACTOR SHALL REGRADE THE DISTURBED AREAS TO THEIR ORIGINAL GRADES AND STABILIZE WITH PERMANENT SEEDING AND MULCH. THE CONTRACTOR SHALL ALSO REGRADE ALL AREAS WITHIN THE LIMITS OF DISTURBANCE THAT WERE DISTURBED DURING THE BUILDING CONSTRUCTION AND STABILIZE WITH PERMANENT SEEDING AND MULCH. ANY DAMAGE TO EXISTING PAVING, CONCRETE CURBS AND CONCRETE SIDEWALKS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

BURLEIGH MANOR MIDDLE SCHOOL
 ▶ DENOTES BUILDING INGRESS/EGRESS POINTS

CENTENNIAL LANE
 HOWARD COUNTY PUBLIC ROAD (MINOR ARTERIAL)



NOTE: THE PURPOSE OF THIS PLAN IS TO BE USED FOR DEMOLITION FOR THE PROPOSED PARKING LOT.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21104
 (410) 461-2255



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. 16150, Expiration Date: 8-23-14

DATE	DESCRIPTION	REVISION BLOCK
6-12-14	REVISED SHEET TOTAL	
7-6-10	REVISED PARKING LOT AND ADDED BUILDING ADDITION	

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Thomas S. Butler 12/21/10 Date
 Director - Department of Planning and Zoning

West S. Redwood 12/21/10 Date
 Chief, Division of Land Development

Mike Simmons 12/17/10 Date
 Chief, Development Engineering Division

PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 10910 Maryland Route 108
 Ellicott City, Maryland 21042
 Attention: Bruce Gist
 410-313-6005

SCHAMU MACHOWSKI GRECO
 ARCHITECTS, INC.
 1016 MORTON STREET,
 BALTIMORE, MD 21201
 TEL 410.685.3582
 FAX 410.625.4790

SMG
 ARCHITECTS

Address Chart	
Parcel Number	Street Address
P. 291	4300 CENTENNIAL LANE ELLICOTT CITY, MD. 21042

PROJECT	SECTION/AREA	PARCELS
CENTENNIAL HIGH SCHOOL	-	291

DEED REF.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
	19.1	R-20	24.30	SECOND	6023.03

WATER CODE	SEWER CODE
-	-

DEMOLITION SHEET

"REVISED SITE DEVELOPMENT PLAN"
CENTENNIAL HIGH SCHOOL

DANCE STUDIO ADDITION AND
 PARKING LOT RECONFIGURATION

PARCEL No.: 291
 TAX MAP No.: 24 GRID No.: 19
 TAX MAP No.: 30 GRID No.: 1
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 40' DATE: DECEMBER 7, 2010
 SHEET 28 OF 28 **SDP-75-86**

K:\SDP\PROJ\16147\DWG\16147.DWG DEMO PLAN 12/28/2010 8:09:13 AM 1:1



LEGEND	
SYMBOL	DESCRIPTION
--- 482 ---	EXISTING CONTOUR 2' INTERVAL
--- 480 ---	EXISTING CONTOUR 10' INTERVAL
---	EXISTING SAN. SEWER LINE
---	EXISTING STORM DRAIN LINE
---	EXISTING WATER LINE
---	EXISTING FENCE
---	PROPOSED CONTOUR 2' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
+ 484.34	SPOT ELEVATION
---	PROPOSED CONCRETE WALK
---	PROPOSED MACADAM PAVING
---	PROPOSED STORM DRAIN LINE
---	LIMIT OF DISTURBANCE
---	TREE PROTECTION FENCE
---	LIGHT POLE

CENTENNIAL HIGH SCHOOL
 ▶ DENOTES BUILDING INGRESS/EGRESS POINTS

BUILDING AND PDC MUST REMAIN ACCESSIBLE FOR EMERGENCY VEHICLES AT ALL TIMES DURING THE DEMOLITION AND CONSTRUCTION PROCESS.

BURLEIGH MANOR MIDDLE SCHOOL
 ▶ DENOTES BUILDING INGRESS/EGRESS POINTS

CENTENNIAL LANE
 HOWARD COUNTY PUBLIC ROAD (MINOR ARTERIAL)

FTSHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2895

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: 9-28-14

HANDICAP ACCESS AT CENTENNIAL LANE
 SCALE: 1" = 20'

6-12-14 **REVISED SHEET TOTAL**
 7-6-10 REVISED PARKING LOT AND ADDED BUILDING ADDITION
 DATE DESCRIPTION REVISION BLOCK

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Director of Planning and Zoning Date: 12/21/10
Chief, Division of Land Development Date: 12/17/10
Chief, Development Engineering Division Date: 12/17/10

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

SMG ARCHITECTS
 SICHAMU MACHOWSKI GREGO
 ARCHITECTS, INC.
 1016 MORTON STREET,
 BALTIMORE, MD 21201
 TEL 410.685.3582
 FAX 410.625.4790

Address Chart	
Parcel Number	Street Address
P. 291	4300 CENTENNIAL LANE ELLICOTT CITY, MD. 21042

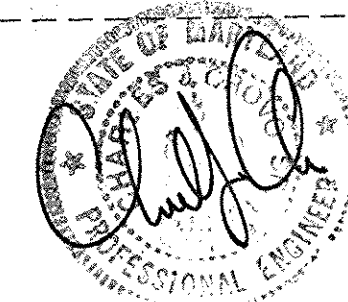
PROJECT	SECTION / AREA	PARCELS
CENTENNIAL HIGH SCHOOL	-	291

DEED REF.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
	19. 1	R-20	24. 30	SECOND	6023.03

WATER CODE	SEWER CODE

SITE IMPROVEMENT PLAN
"REVISED SITE DEVELOPMENT PLAN"
CENTENNIAL HIGH SCHOOL
 DANCE STUDIO ADDITION AND
 PARKING LOT RECONFIGURATION

PARCEL No.: 291
 TAX MAP No.: 30 GRID No.: 19
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 40' DATE: DECEMBER 7, 2010
 SHEET 29 OF 44 **SDP-75-86**



NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW THE PARKING LOT IMPROVEMENTS.

K:\SDP\603016\17\603016\17.dwg, SITE PLAN, 12/28/2010 8:10:31 AM, 1:1

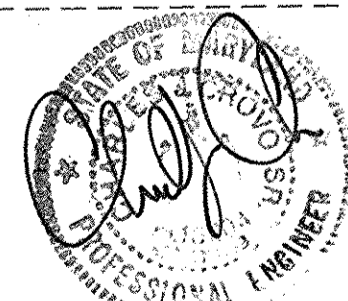


CENTENNIAL HIGH SCHOOL
 ▶ DENOTES BUILDING INGRESS/EGRESS POINTS

BURLEIGH MANOR MIDDLE SCHOOL
 ▶ DENOTES BUILDING INGRESS/EGRESS POINTS

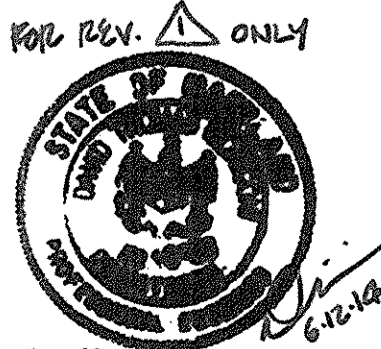
CENTENNIAL LANE
 HOWARD COUNTY PUBLIC ROAD (MINOR ARTERIAL)

WATERLOO DRIVE



NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW THE PARKING LOT IMPROVEMENTS.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2955



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. 16176 Expiration Date: 5-25-14

6-12-14	REVISED SHEET TOTAL
7-6-10	REVISED PARKING LOT AND ADDED BUILDING ADDITION
DATE	DESCRIPTION
	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
<i>Morgan & Ruttle</i>	12/2/10
Director - Department of Planning and Zoning	Date
<i>Kevin Sheehan</i>	12/2/10
Chief, Division of Land Development	Date
<i>John DeWitt</i>	12/7/10
Chief, Development Engineering Division	Date

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

CHAMU MACHOWSKI GREGO
 ARCHITECTS, INC.
 1016 MORTON STREET,
 BALTIMORE, MD 21201
 TEL 410.685.3582
 FAX 410.625.4790

Address Chart					
Parcel Number	Street Address				
P. 291	4300 CENTENNIAL LANE				
ELLICOTT CITY, MD. 21042					
PROJECT	SECTION/AREA	PARCELS			
CENTENNIAL HIGH SCHOOL	-	291			
DEED REF.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
	19, 1	R-20	24, 30	SECOND	6023.03
WATER CODE	SEWER CODE				

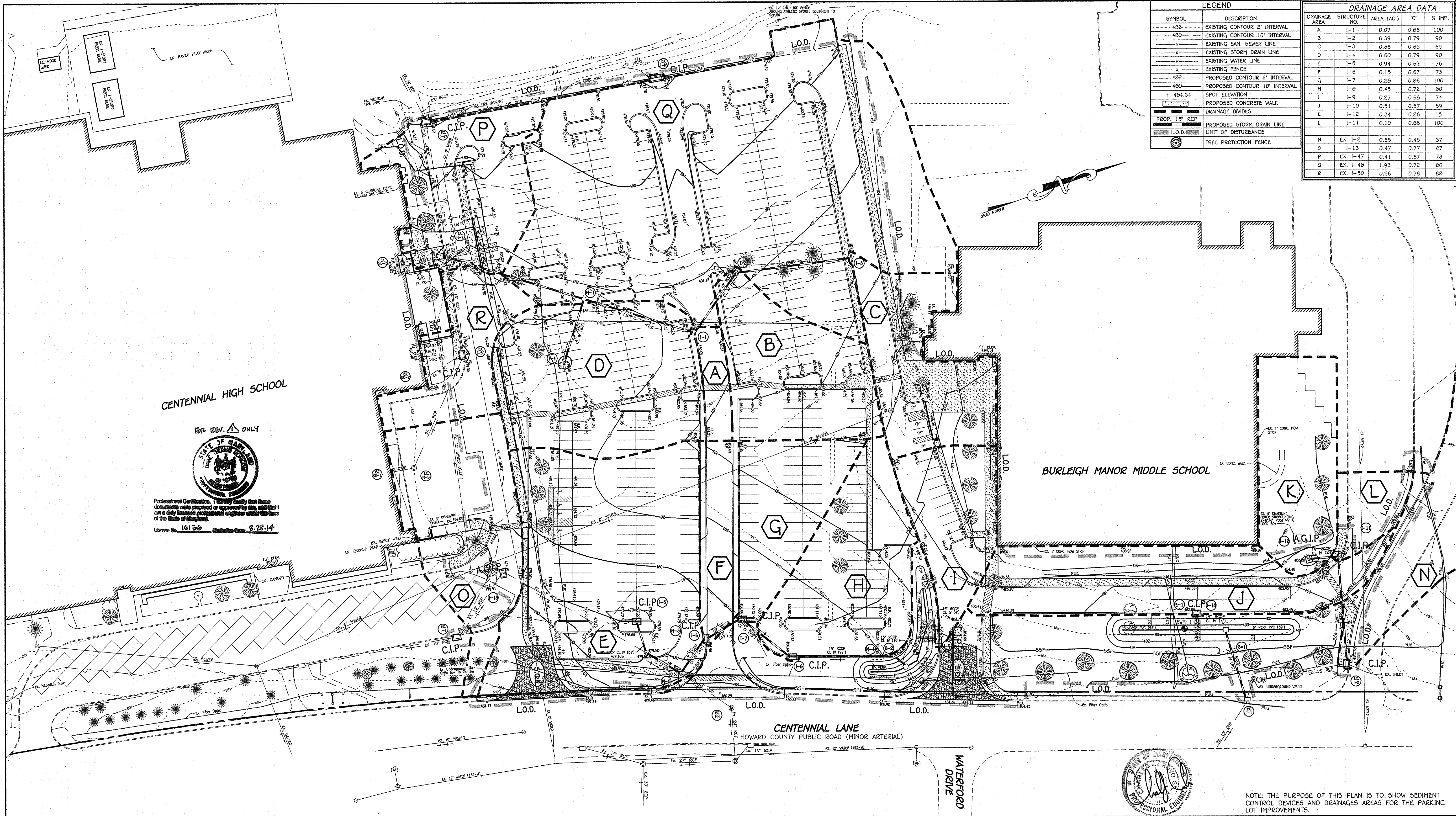
GEOMETRY PLAN

"REVISED SITE DEVELOPMENT PLAN"
CENTENNIAL HIGH SCHOOL

DANCE STUDIO ADDITION AND
 PARKING LOT RECONFIGURATION

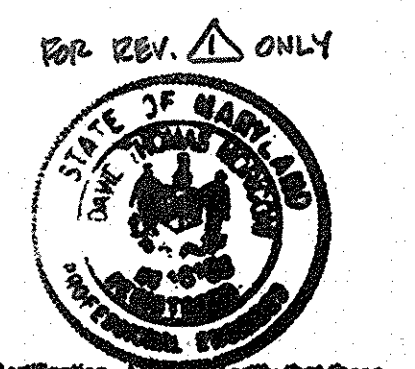
PARCEL No.: 291
 TAX MAP No.: 24 GRID No.: 19
 TAX MAP No.: 30 GRID No.: 1
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 40' DATE: DECEMBER 7, 2010
 SHEET 30 OF 46 SDP-75-86

K:\506PROJ\61474\DWG\61475.DWG, GEOMETRY, 12/07/2010 8:12:20 AM, 1:1



LEGEND		DRAINAGE AREA DATA			
SYMBOL	DESCRIPTION	DRAINAGE AREA	STRUCTURE NO.	AREA (AC.)	% IMP.
---	EXISTING CONTOUR 2' INTERVAL	A	1-1	0.07	0.86
---	EXISTING CONTOUR 10' INTERVAL	B	1-2	0.39	0.79
---	EXISTING SAN. SEWER LINE	C	1-3	0.36	0.65
---	EXISTING STORM DRAIN LINE	D	1-4	0.60	0.79
---	EXISTING WATER LINE	E	1-5	0.94	0.69
---	EXISTING FENCE	F	1-6	0.15	0.67
---	PROPOSED CONTOUR 2' INTERVAL	G	1-7	0.28	0.86
---	PROPOSED CONTOUR 10' INTERVAL	H	1-8	0.45	0.72
---	SPOT ELEVATION	I	1-9	0.27	0.68
---	PROPOSED CONCRETE WALK	J	1-10	0.51	0.57
---	DRAINAGE DIVIDES	K	1-12	0.34	0.26
---	PROPOSED STORM DRAIN LINE	L	1-11	0.10	0.86
---	LIMIT OF DISTURBANCE	N	EX. 1-2	0.65	0.45
---	TREE PROTECTION FENCE	O	1-13	0.47	0.77
---		P	EX. 1-47	0.41	0.67
---		Q	EX. 1-48	1.93	0.72
---		R	EX. 1-50	0.26	0.78

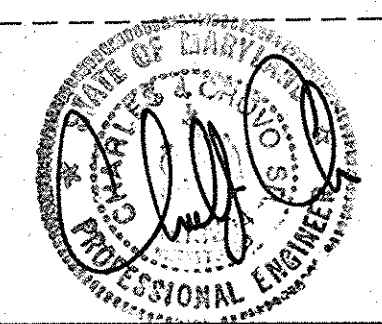
CENTENNIAL HIGH SCHOOL



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: 8-25-14

BURLEIGH MANOR MIDDLE SCHOOL

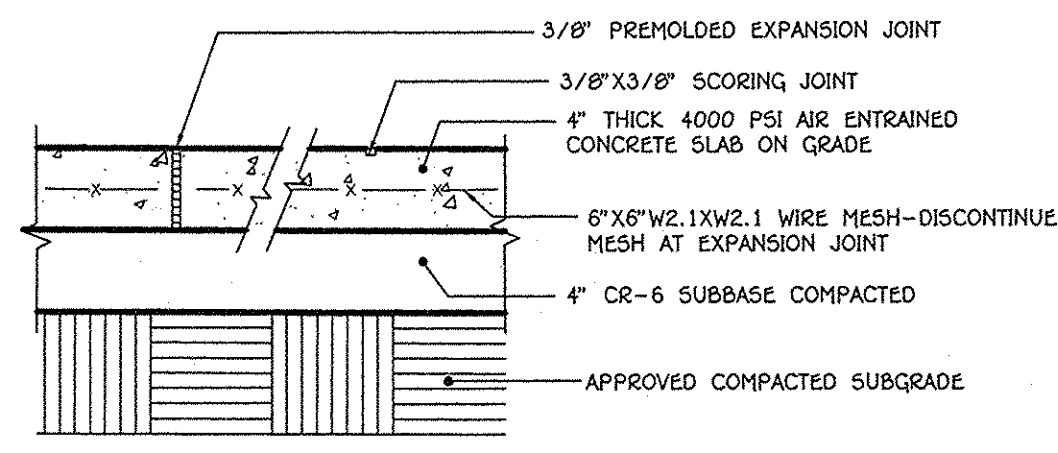
CENTENNIAL LANE
 HOWARD COUNTY PUBLIC ROAD (MINOR ARTERIAL)



NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW SEDIMENT CONTROL DEVICES AND DRAINAGE AREAS FOR THE PARKING LOT IMPROVEMENTS.

FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21114 (410) 461-2895	ENGINEER'S CERTIFICATE "I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District." Signature of Engineer: <i>[Signature]</i> Date: 12/11/10	6-12-14 UPDATED SHEET TOTAL 7-6-10 REVISED PARKING LOT AND ADDED BUILDING ADDITION DATE DESCRIPTION REVISION BLOCK	PREPARED FOR HOWARD COUNTY PUBLIC SCHOOL SYSTEM 10910 Maryland Route 108 Ellicott City, Maryland 21042 Attention: Bruce Gist 410-313-6805	Address Chart Parcel Number Street Address P. 291 4300 CENTENNIAL LANE ELLICOTT CITY, MD. 21042	DRAINAGE AREA MAP, SEDIMENT AND EROSION CONTROL PLAN "REVISED SITE DEVELOPMENT PLAN" CENTENNIAL HIGH SCHOOL DANCE STUDIO ADDITION AND PARKING LOT RECONFIGURATION PARCEL No.: 291 TAX MAP No.: 24 GRID No.: 19 TAX MAP No.: 30 GRID No.: 1 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: 1" = 40' DATE: DECEMBER 7, 2010 SHEET 31 OF 50
	DEVELOPER'S CERTIFICATE "I/We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District." Signature of Developer: <i>[Signature]</i> Date: 12-08-10	This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT. Signature: <i>[Signature]</i> Date: 12/17/10 Howard SCD	APPROVED: DEPARTMENT OF PLANNING AND ZONING Director - Department of Planning and Zoning: <i>[Signature]</i> Date: 12/21/10 Chief, Division of Land Development: <i>[Signature]</i> Date: 12/11/10 Chief, Development Engineering Division: <i>[Signature]</i> Date: 12/17/10	SCHAMU MACHOWSKI GRECO ARCHITECTS, INC. 1016 MORTON STREET, BALTIMORE, MD 21201 TEL 410.685.3582 FAX 410.625.4790	PROJECT: CENTENNIAL HIGH SCHOOL SECTION/AREA: PARCELS: 291 DEED REF. BLOCK NO. ZONE TAX MAP ELEC. DIST. CENSUS TR. WATER CODE SEWER CODE

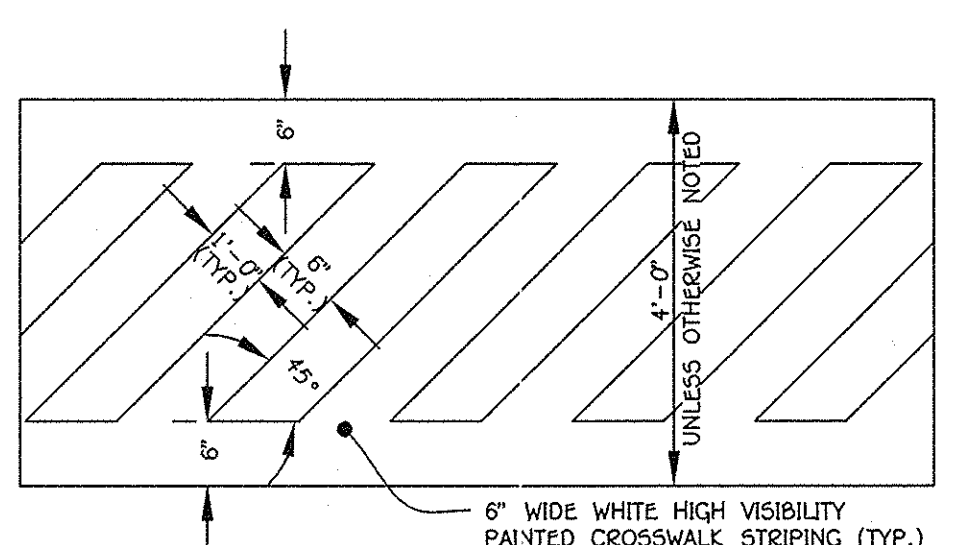
K:\50690\016147.dwg, SED CONT, 12/17/2010 3:22:24 PM, 1:1



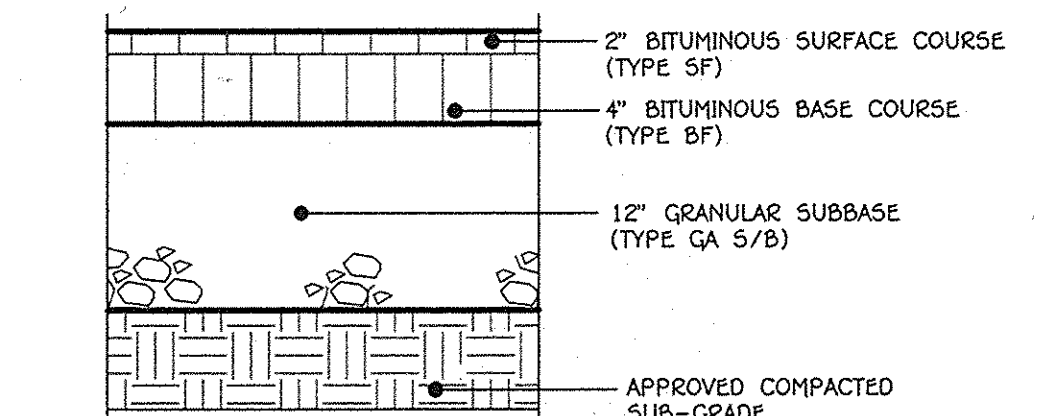
NOTE: INSTALL EXPANSION JOINTS AT MAX. 15'-0" O.C. AND INSTALL SCORING JOINTS AT MAX. 5'-0" O.C.
SLOPE ACROSS SIDEWALK SHALL BE MIN. 1/8" / FT.

5
32

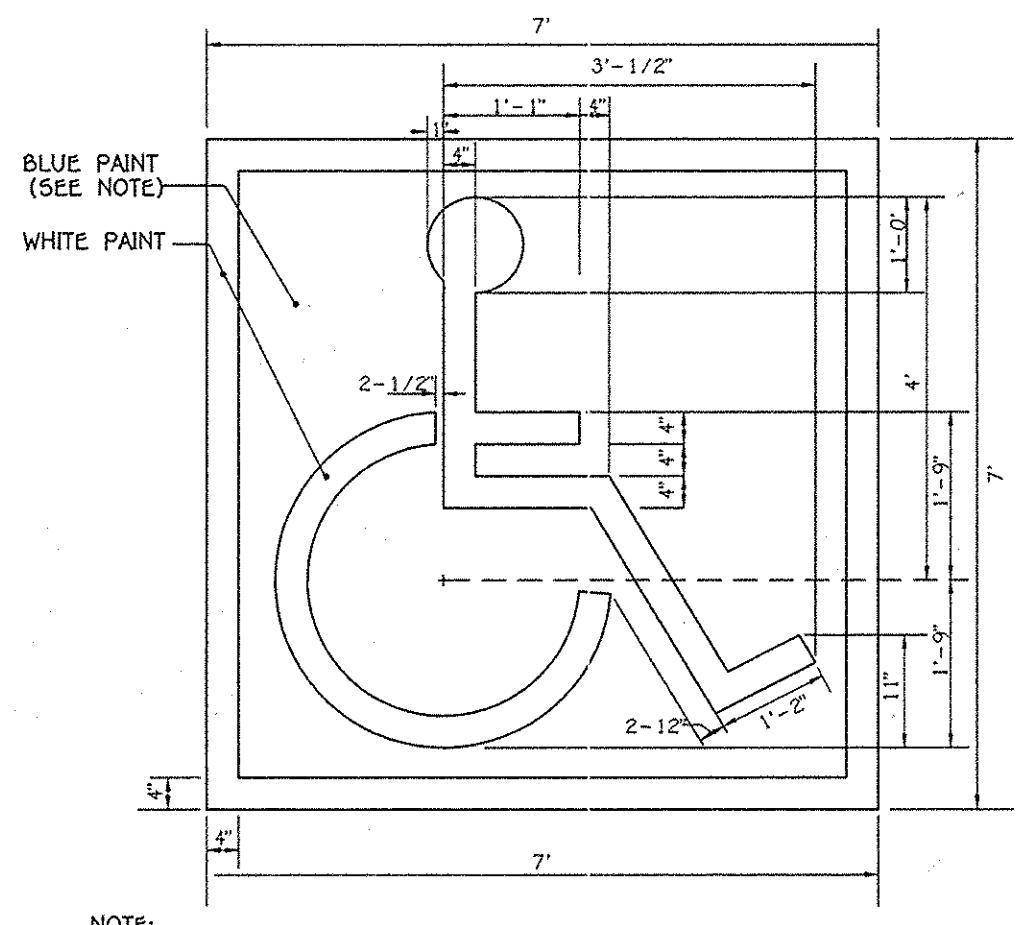
CONCRETE WALK DETAIL
NO SCALE



CROSSWALK DETAIL
NO SCALE

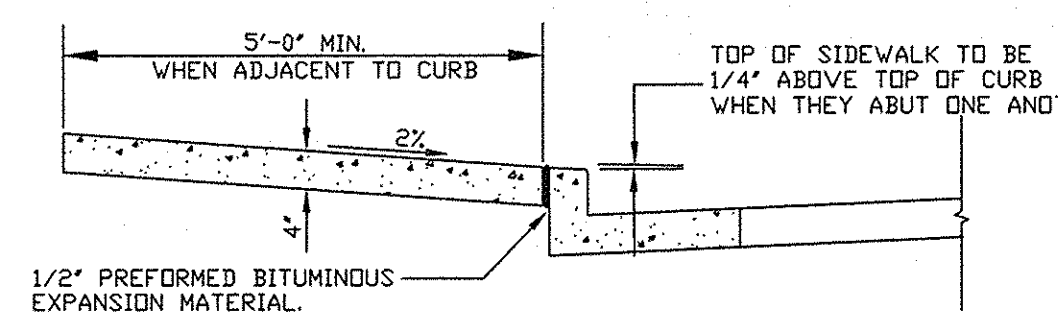


HEAVY DUTY ASPHALTIC PAVING DETAIL
NO SCALE



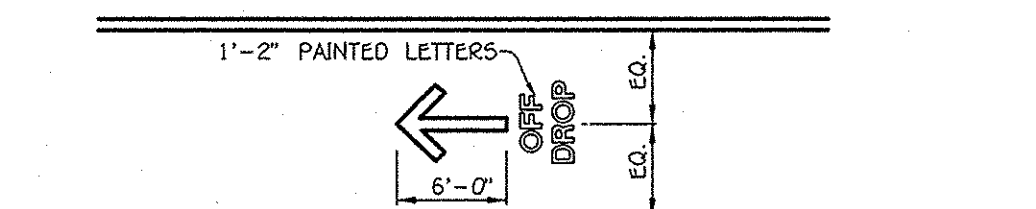
NOTE: SYMBOL IS REQUIRED TO CONTRAST WITH BACKGROUND (WHITE ON BLUE; COLOR NO. 105090 IN FED. STANDARD 5952-DOUBLE COAT TYP.)

HANDICAP SPACE STENCIL LAYOUT
SCALE: 1" = 20"

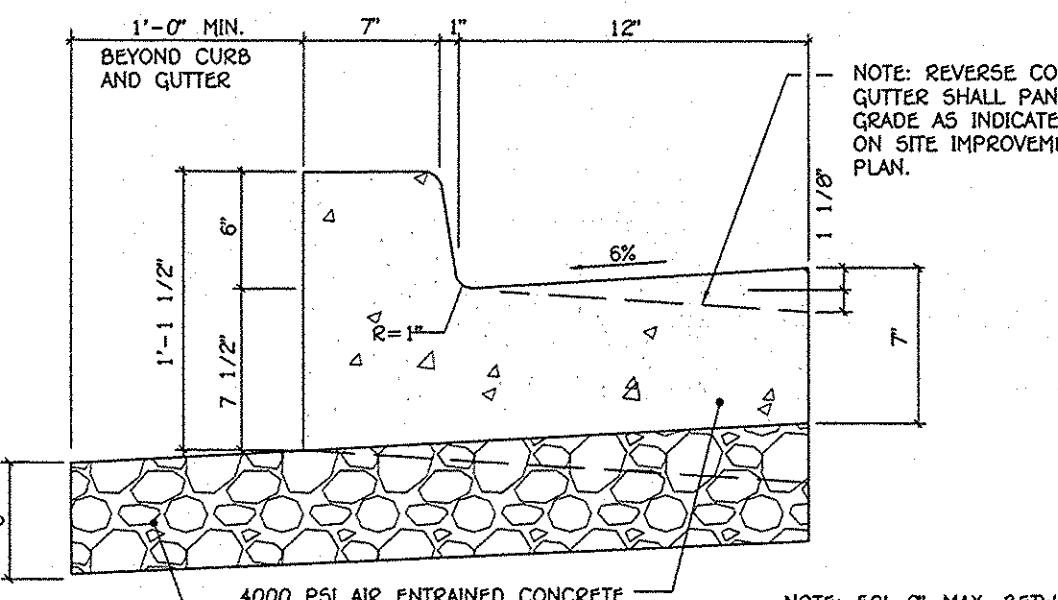


- NOTES:
- SIDEWALK TO BE SCRIBED IN 5'-0" MAXIMUM SQUARES.
 - EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO MORE THAN 15' APART.
 - 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE KEPT 1/4" BELOW SURFACE OF SIDEWALK.
 - 4000 PSI AIR ENTRAINED CONCRETE SHALL BE USED.
 - WHEN SIDEWALK 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 40 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'-0" IN WIDTH WITH A 5' X 5' PAVED SECTION PLACED 200' APART.

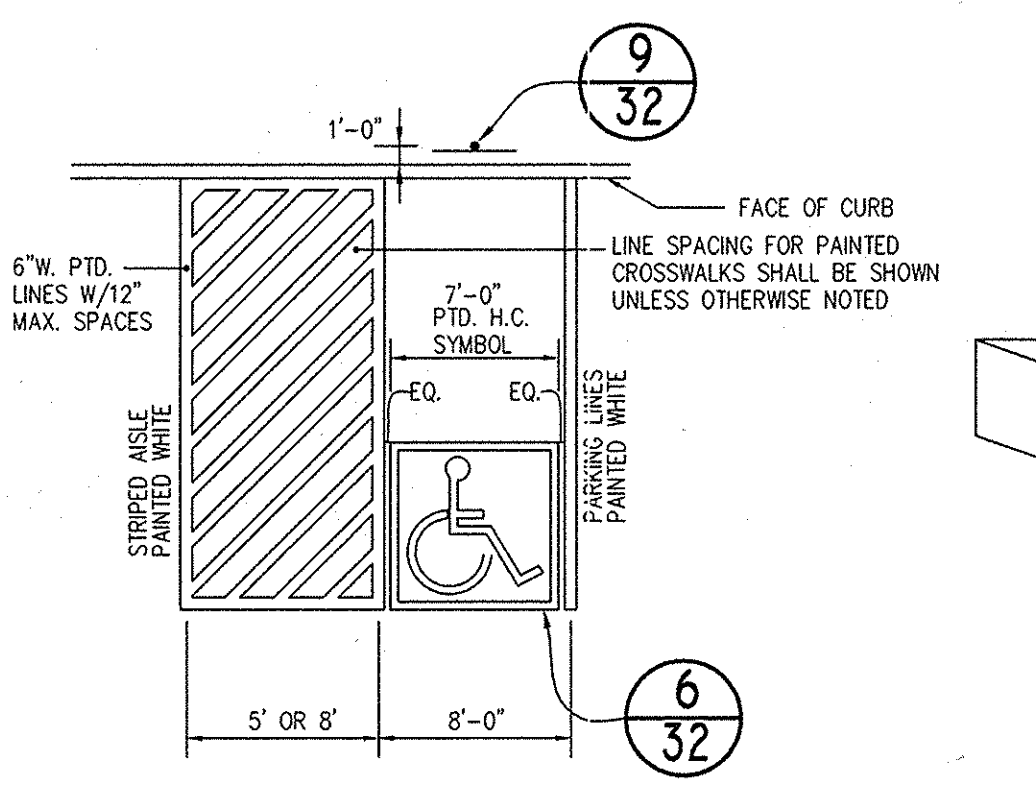
CONCRETE SIDEWALK DETAIL
NO SCALE



PARENT DROPOFF DETAIL
NO SCALE



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

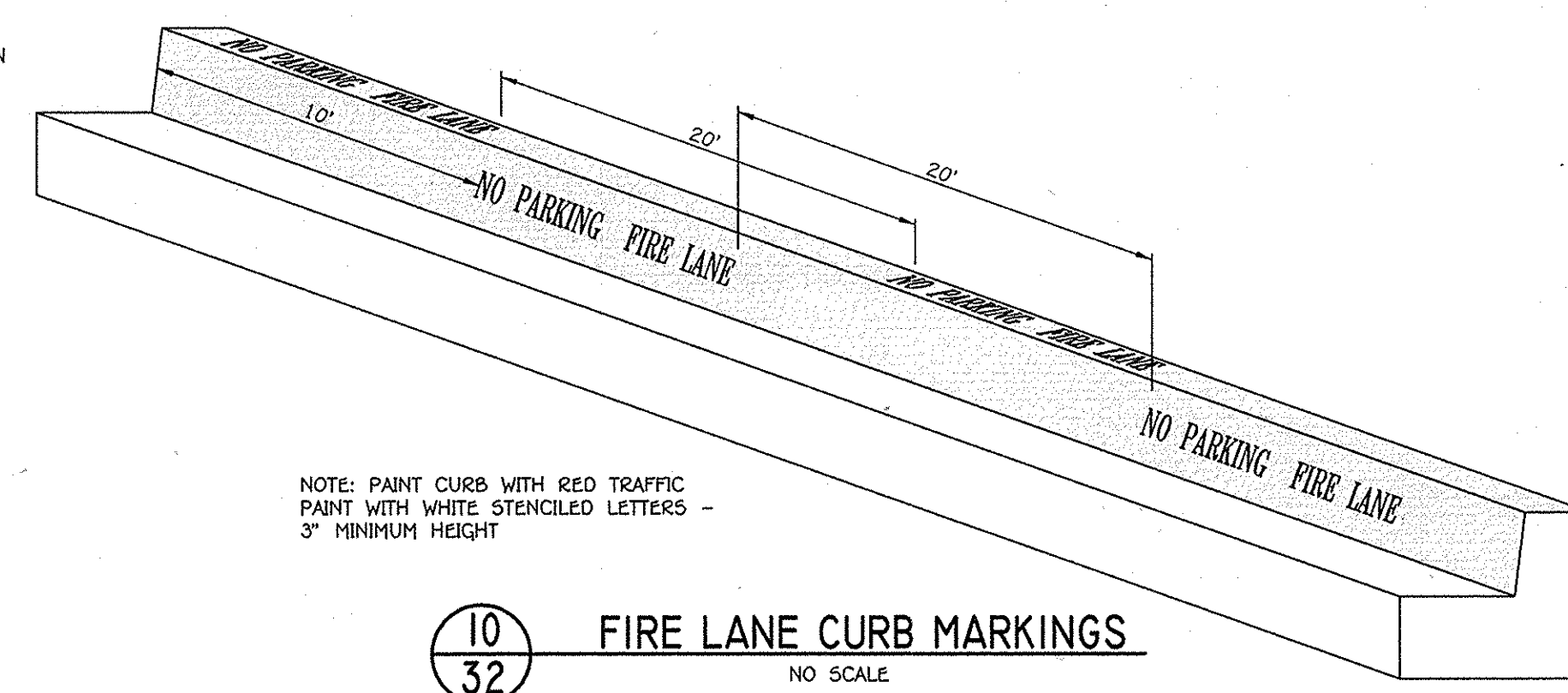


ACCESSIBLE SPACE LAYOUT
NO SCALE

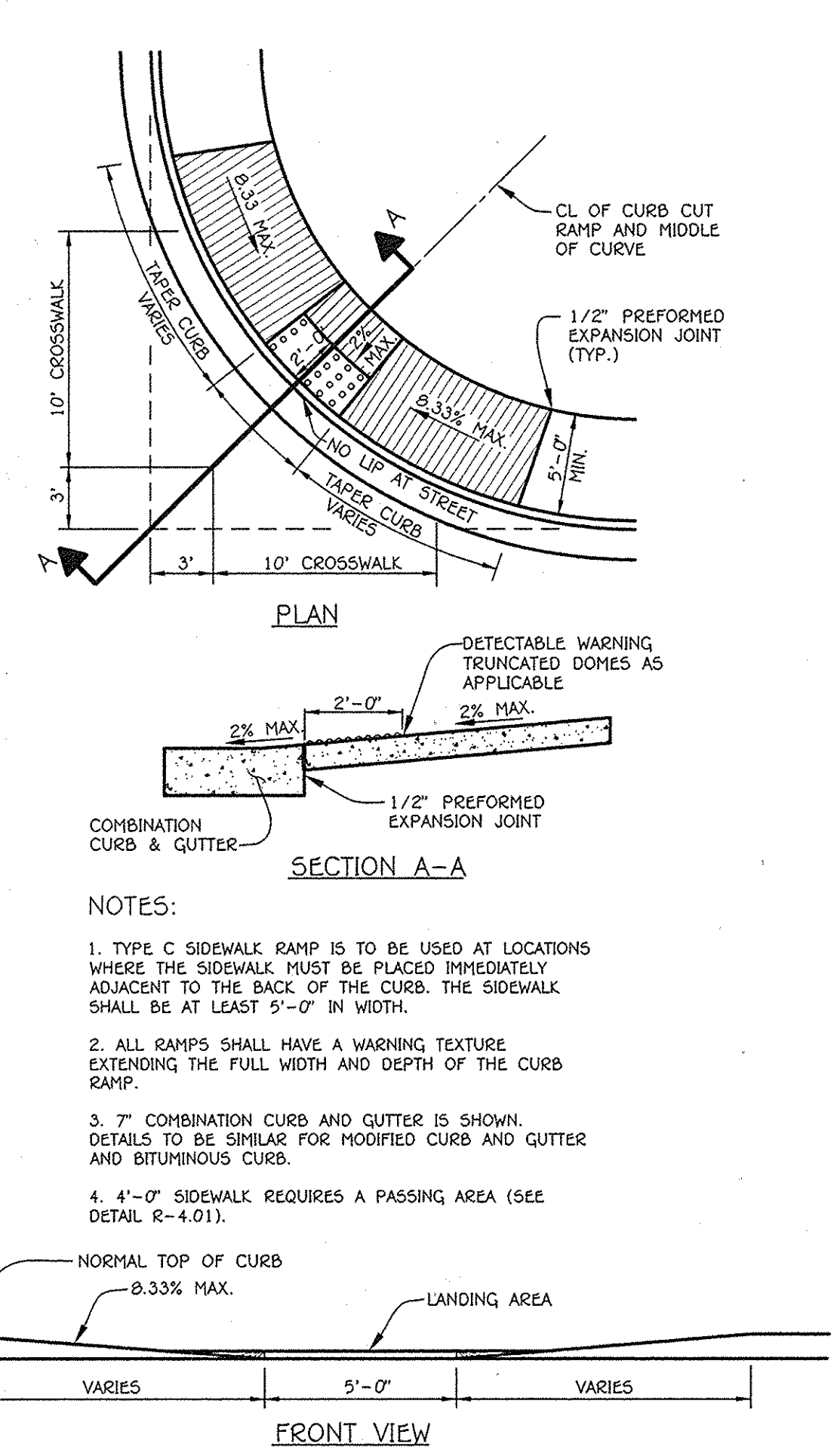


- GENERAL NOTES:
- SIGNS SHALL MEET DESIGN STANDARDS OF THE FEDERAL HIGHWAY ADMINISTRATION AND CONFORM TO THE STATE OF MARYLAND STANDARD HIGHWAY SIGN BOOKLET DETAIL R7-8.
 - ONE SIGN IS REQUIRED PER SPACE PLACED AS SHOWN ON SITE IMPROVEMENT PLAN.
 - SIGNS SHALL BE POLE MOUNTED WITH HOT DIPPED GALVANIZED COUNTY APPROVED PERFORATED CHANNEL POSTS W/TOP OF SIGNS 9'-1" ABOVE FINISHED GRADE OR AS INDICATED ON SITE DRAWINGS.
 - SIGN SHALL BE ATTACHED TO FLANGED SIDE OF POST. POST SHALL EXTEND INTO GROUND 2'-6" MIN.
 - COLORS: LEGEND AND BORDER-GREEN
SYMBOL-WHITE ON BLUE BACKGROUND
BACKGROUND-WHITE
 - CONTRACTOR SHALL COORDINATE ARROW DIRECTION WITH LOCATION OF ADJACENT AISLE.
 - SPACES INDICATED ON SITE DEVELOPMENT PLANS AS "VAN ACCESSIBLE" SHALL BE SIGNED ACCORDINGLY.

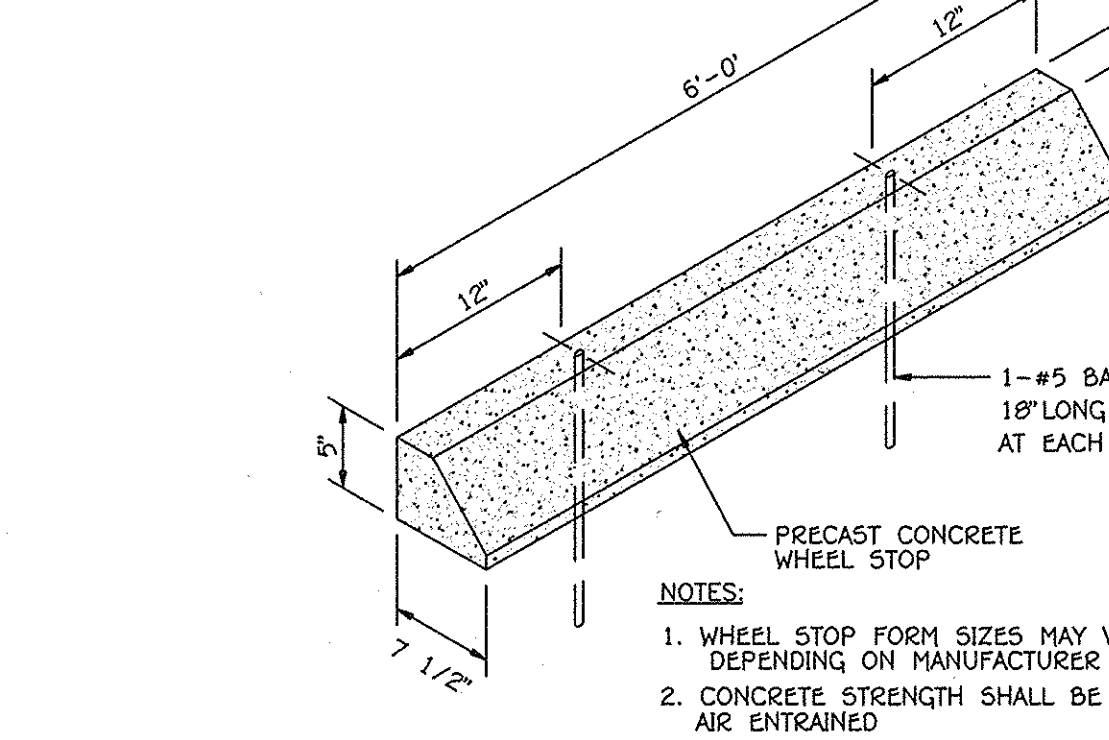
HANDICAP PARKING SIGN DETAIL
NOT TO SCALE



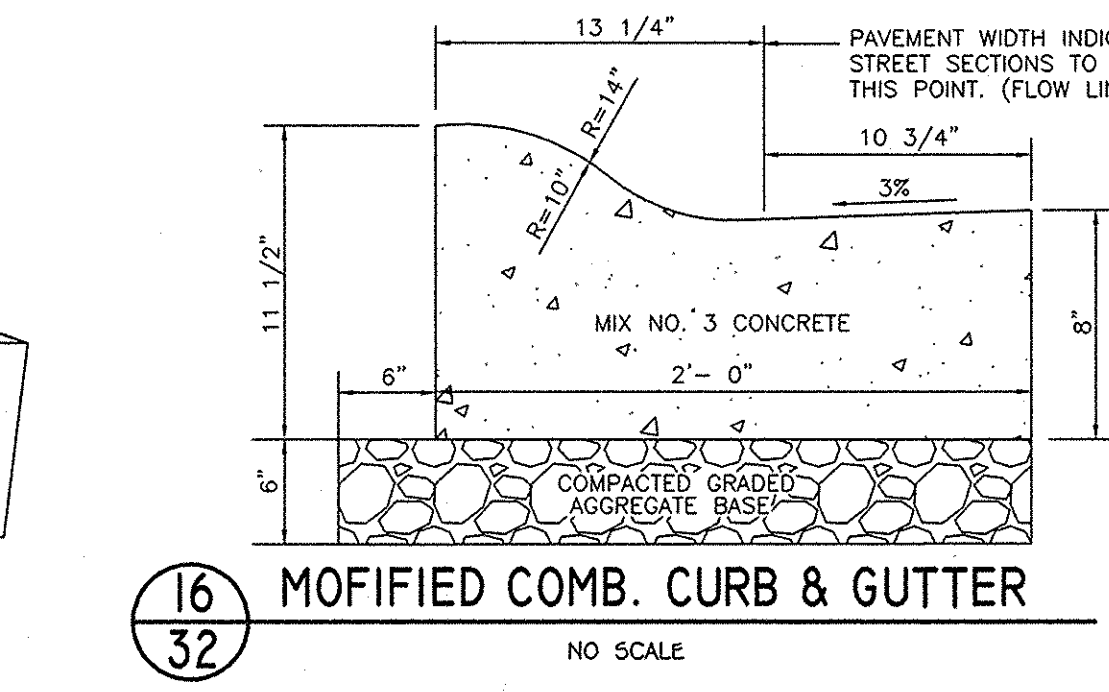
FIRE LANE CURB MARKINGS
NO SCALE



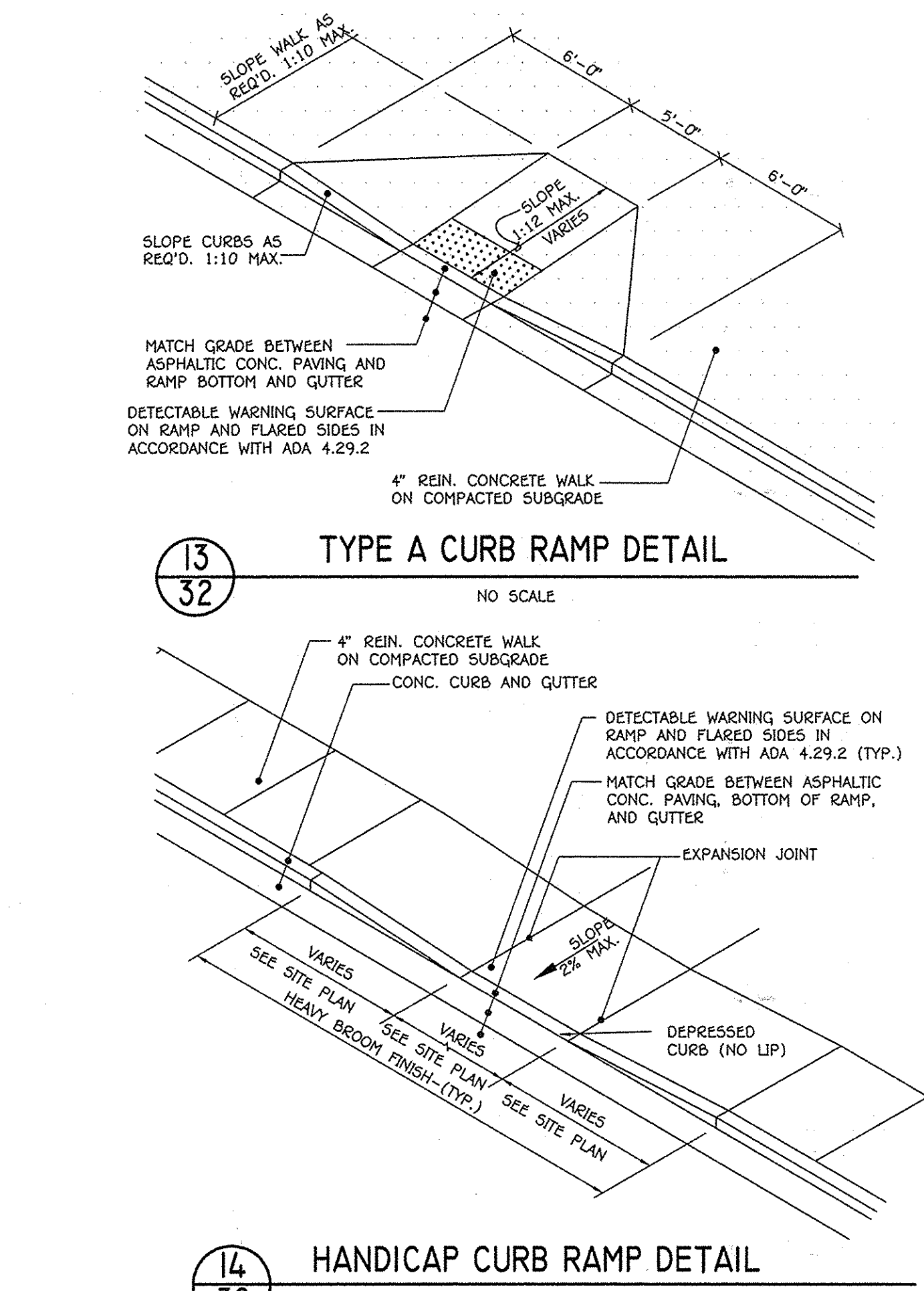
HANDICAP RAMP DETAIL
NO SCALE



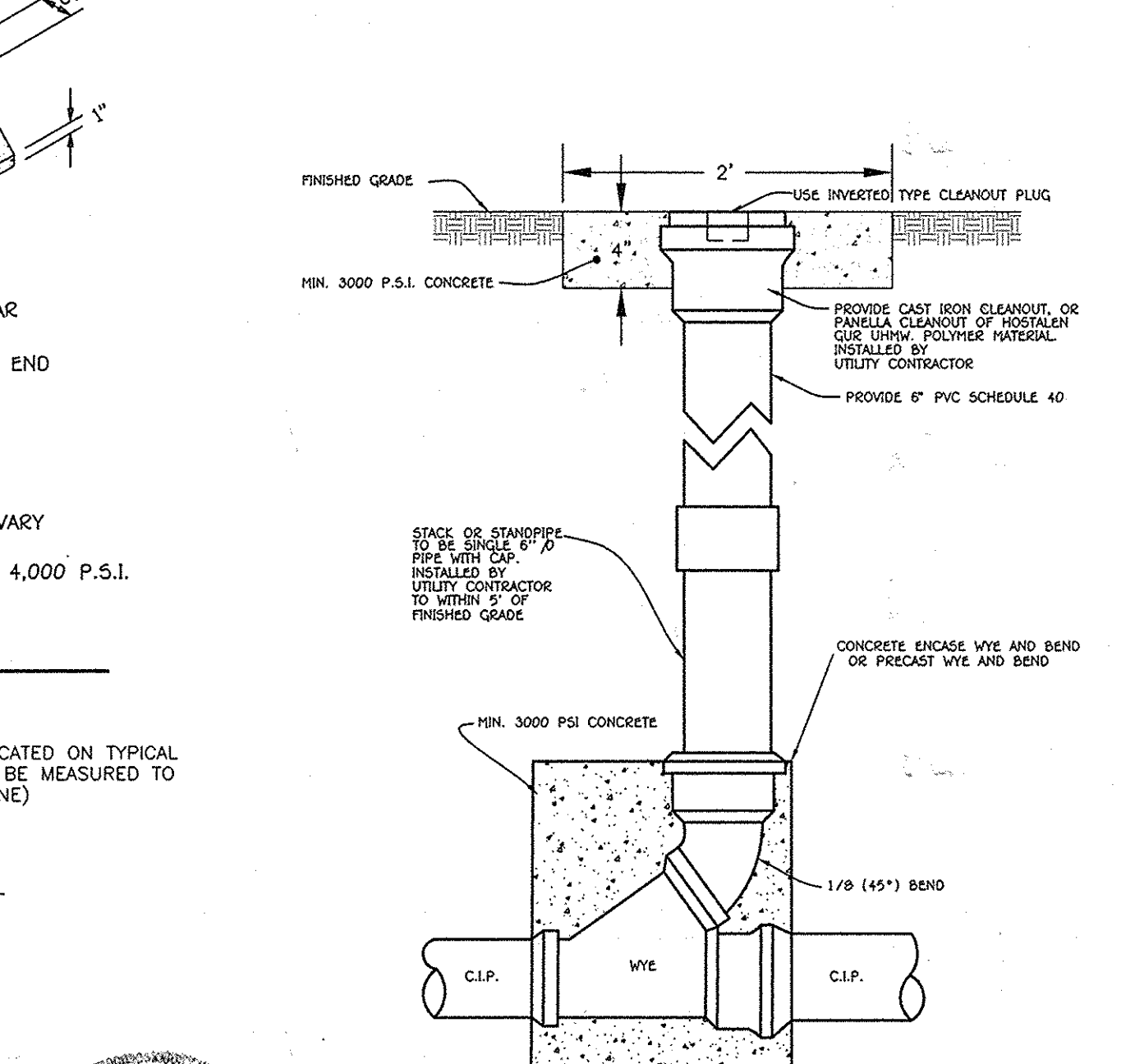
WHEEL STOP DETAIL
NO SCALE



MODIFIED COMB. CURB & GUTTER
NO SCALE



TYPE A CURB RAMP DETAIL
NO SCALE



TYPICAL ROOF LEADER CLEAN-OUT
NO SCALE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461-2055

FOR REV. ONLY

STATE OF MARYLAND

Professional Certification (Showing exactly 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. 16150 Expiration Date: 8-28-14

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Mona S. Butler 12/2/10
Director - Department of Planning and Zoning

Ken Steinhilber 12/17/10
Chief, Division of Land Development

William... 12/17/10
Chief, Development Engineering Division

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

PROJECT: CENTENNIAL HIGH SCHOOL
SECTION/AREA: -
PARCELS: 291

DEED REF. BLOCK NO. ZONE TAX MAP ELEC. DIST. CENSUS TR.
19. 1 R-20 24, 30 SECOND 6023.03

WATER CODE SEWER CODE

SCHAMU MACHOWSKI GRECO ARCHITECTS, INC.
1016 MORTON STREET, BALTIMORE, MD 21201
TEL 410.685.3582 FAX 410.625.4790

SMG ARCHITECTS

Address Chart

Parcel Number: P. 291
Street Address: 4300 CENTENNIAL LANE
ELLICOTT CITY, MD. 21042

PROJECT: CENTENNIAL HIGH SCHOOL
SECTION/AREA: -
PARCELS: 291

DEED REF. BLOCK NO. ZONE TAX MAP ELEC. DIST. CENSUS TR.
19. 1 R-20 24, 30 SECOND 6023.03

WATER CODE SEWER CODE

DETAIL SHEET

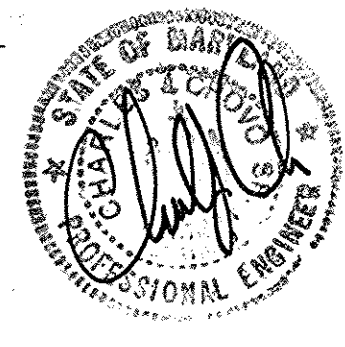
"REVISED SITE DEVELOPMENT PLAN" CENTENNIAL HIGH SCHOOL

DANCE STUDIO ADDITION AND PARKING LOT RECONFIGURATION

PARCEL No.: 291
TAX MAP No.: 24 GRID No.: 19
TAX MAP No.: 30 GRID No.: 1
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: DECEMBER 7, 2010

SHEET 32 OF 40
SDP-75-86

NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW DETAILS FOR THE PARKING LOT IMPROVEMENTS.



HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION

Project Name: Centennial High School Dance Studio Addition Boring No.: SWM-1
Location: Howard County, Maryland Job #: 10449A

Datum: Hammer Wt. 140 lbs. Hole Diameter 6" Foreman: T. Carroll
Surf. Elev. 483.35 Ft. Hammer Drop 30 in. Rock Core Diameter Inspector:
Date Started: 9/16/2010 Pipe Size 2 in. Boring Method HSA Date Completed: 9/16/2010

Elevation/ Depth	SOIL SAMPLES/ SAMPLE CONDITIONS	Description	Boring and Sampling Notes	Rec.	NM	SPT Blows		SPT Blows/Foot Curve
						N	N	
0		Reddish-brown, moist, dense to medium dense, micaceous silty SAND (SM)	Topsoil-1"			5-12-16	31	
1			No groundwater encountered while drilling.			8-8-9	17	
2						9-8-8	16	
3						9-9-8	17	
4						8-8-9	17	
15.0		Bottom of Boring at 15.0'	Boring backfilled at completion for safety.					

SAMPLER TYPE: DRIVEN SPLIT SPOON UNLESS OTHERWISE NOTED
SAMPLER TYPE: FI - FINISHED DRIFT TUBE
SAMPLER TYPE: CA - CONTINUOUS FLIGHT AUGER
SAMPLER TYPE: RC - ROCK CORE

GROUND WATER: D - DISINTEGRATED
AT COMPLETION: Dry
AFTER 24 HRS: n
AFTER 48 HRS: n

CAVE-IN DEPTH: 9.0 ft
HSA - HOLLOW STEM AUGERS
CFA - CONTINUOUS FLIGHT AUGERS
DC - DRIVING CASING
MD - MUD DRILLING
L - LOST

STANDARD PENETRATION TEST - DRIVING 2" O.D. SAMPLER WITH 140LB HAMMER FALLING 30" COUNT MADE AT 6" INTERVALS.

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION

Project Name: Centennial High School Dance Studio Addition Boring No.: SWM-2
Location: Howard County, Maryland Job #: 10449A

Datum: Hammer Wt. 140 lbs. Hole Diameter 6" Foreman: T. Carroll
Surf. Elev. 483.13 Ft. Hammer Drop 30 in. Rock Core Diameter Inspector:
Date Started: 9/16/2010 Pipe Size 2 in. Boring Method HSA Date Completed: 9/16/2010

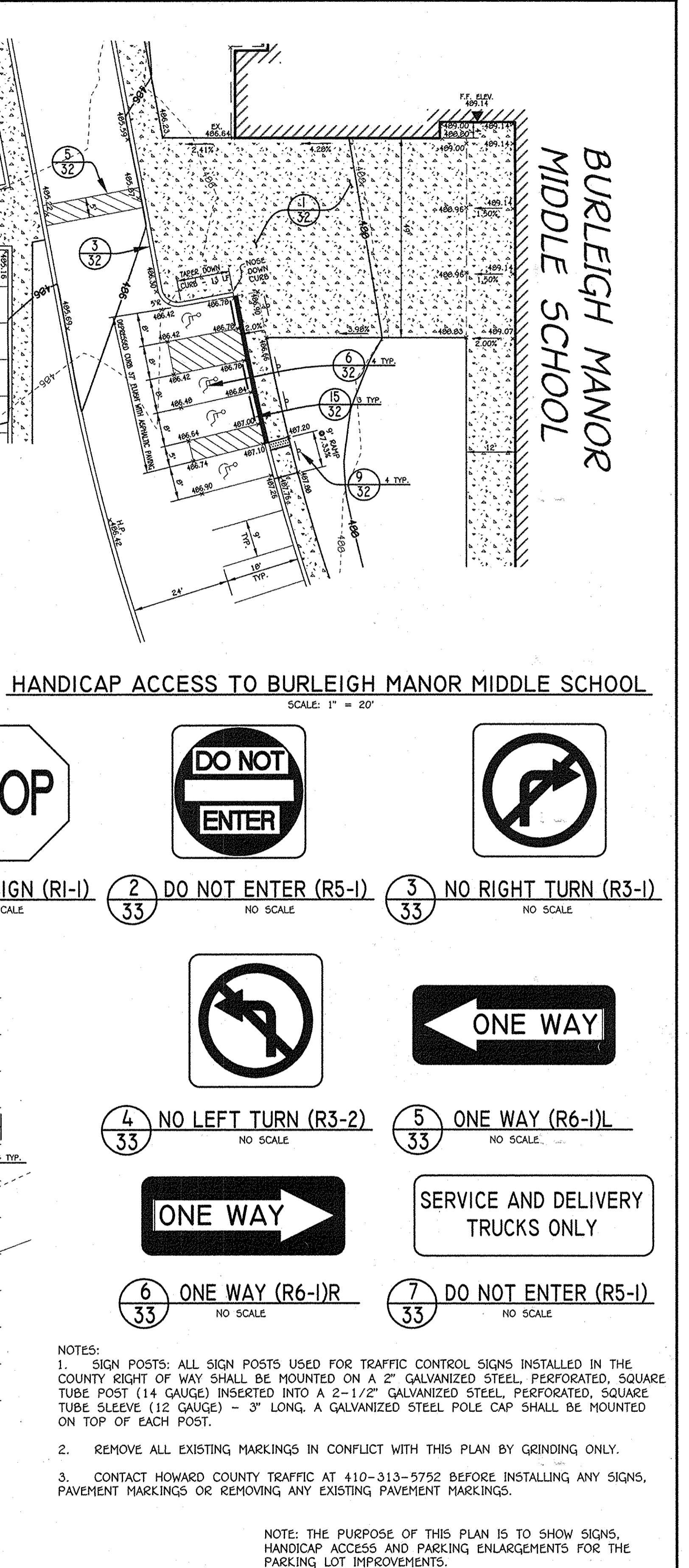
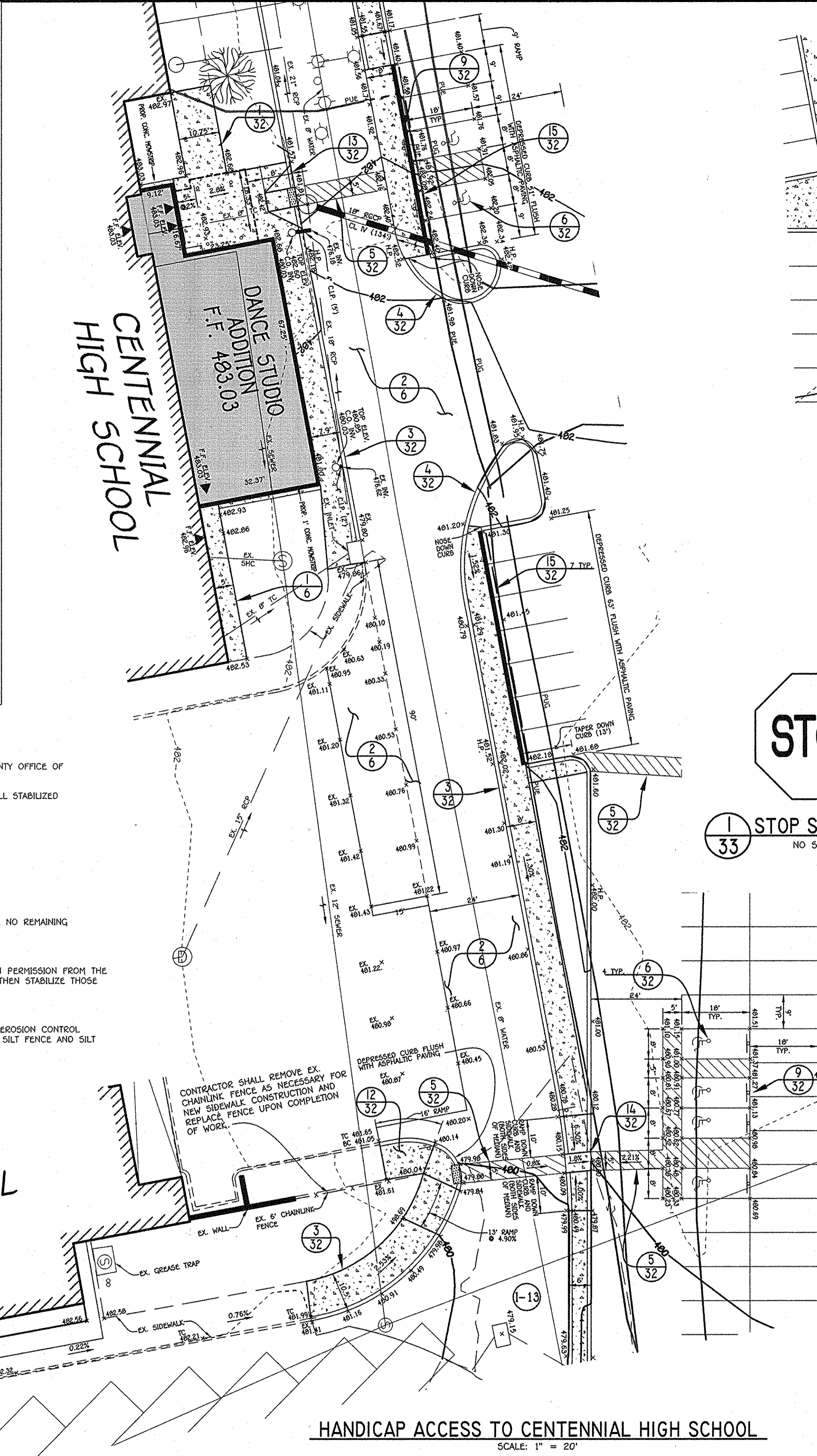
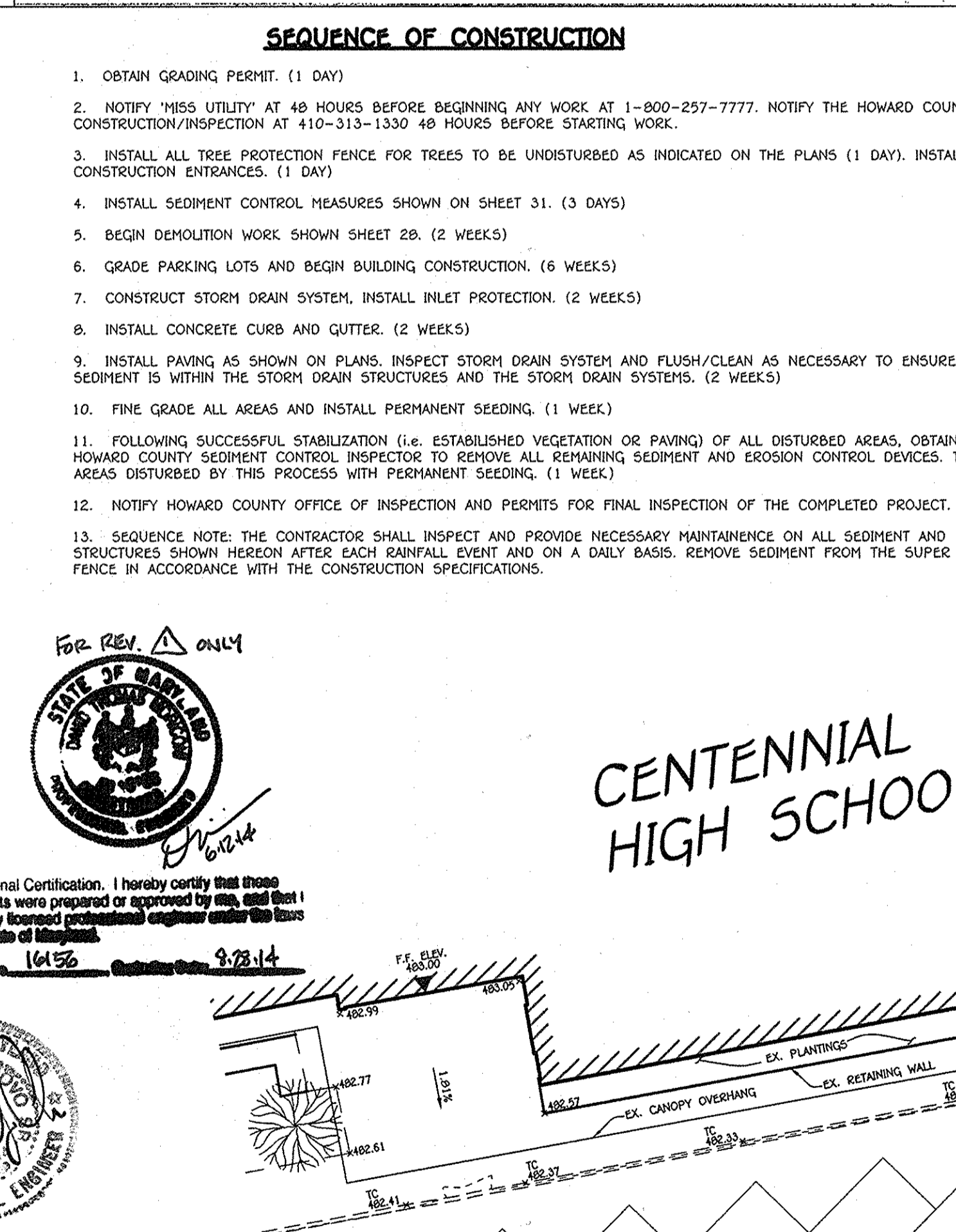
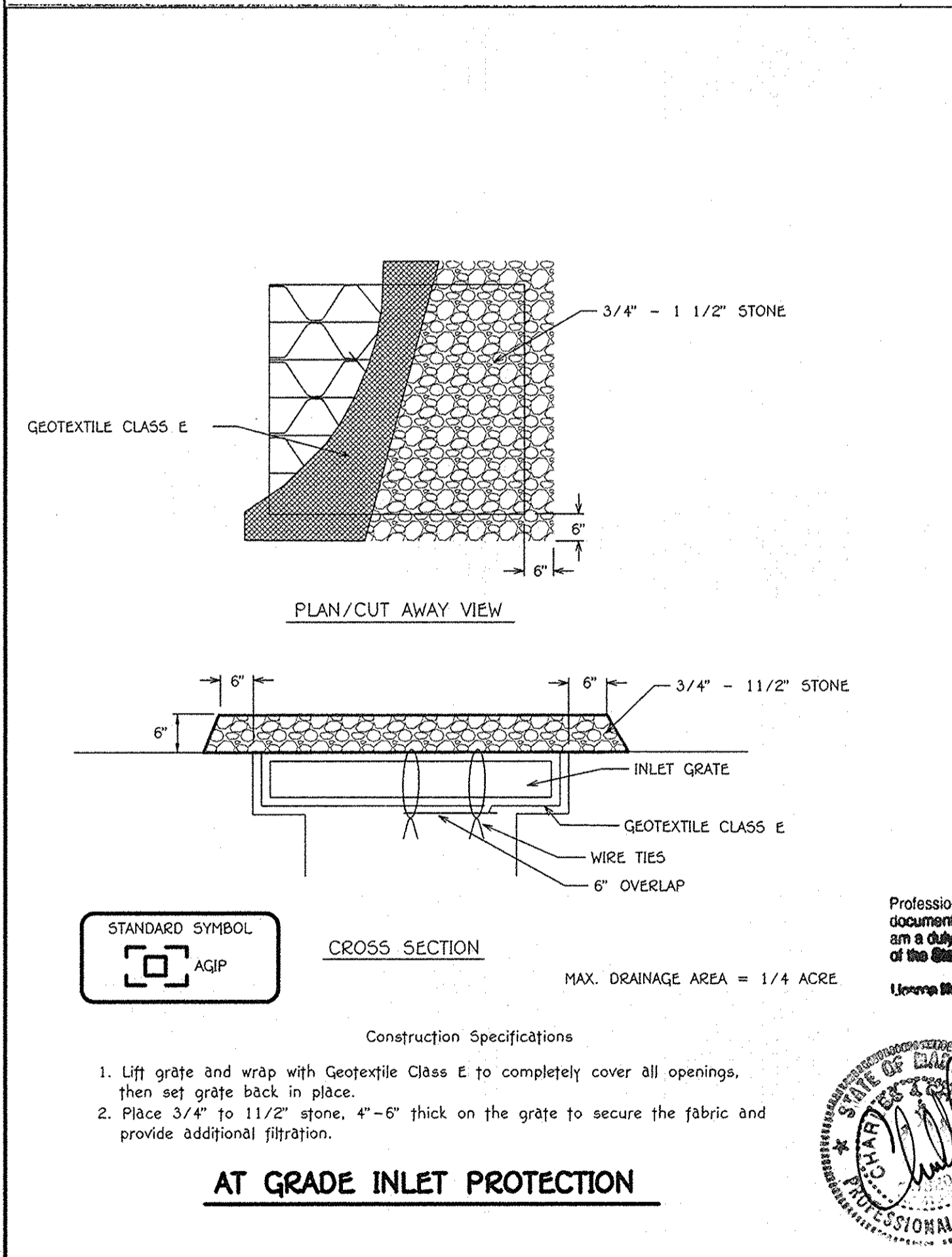
Elevation/ Depth	SOIL SAMPLES/ SAMPLE CONDITIONS	Description	Boring and Sampling Notes	Rec.	NM	SPT Blows		SPT Blows/Foot Curve
						N	N	
0		Light reddish brown, moist, loose, micaceous silty SAND, some rock fragments (SM, FL)	Topsoil-1"			3-5-5	10	
1		Reddish brown, moist, loose to medium dense micaceous silty sand (SM)	Trace hydrocarbon odor in Sample 2			4-5-5	10	
2			No groundwater encountered while drilling.			6-8-7	15	
3						6-7-8	15	
4						10-14-12	26	
15.0		Bottom of Boring at 15.0'	Boring backfilled at completion for safety.					

SAMPLER TYPE: DRIVEN SPLIT SPOON UNLESS OTHERWISE NOTED
SAMPLER TYPE: FI - FINISHED DRIFT TUBE
SAMPLER TYPE: CA - CONTINUOUS FLIGHT AUGER
SAMPLER TYPE: RC - ROCK CORE

GROUND WATER: D - DISINTEGRATED
AT COMPLETION: Dry
AFTER 24 HRS: n
AFTER 48 HRS: n

CAVE-IN DEPTH: 8.7 ft
HSA - HOLLOW STEM AUGERS
CFA - CONTINUOUS FLIGHT AUGERS
DC - DRIVING CASING
MD - MUD DRILLING
L - LOST

STANDARD PENETRATION TEST - DRIVING 2" O.D. SAMPLER WITH 140LB HAMMER FALLING 30" COUNT MADE AT 6" INTERVALS.



ENGINEER'S CERTIFICATE

"I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Signature of Engineer: *[Signature]* Date: 12/11/10

DEVELOPER'S CERTIFICATE

"I/we certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer: *[Signature]* Date: 12/08/10

AT GRADE INLET PROTECTION

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: 9/23/14

6-12-14 REVISED SHEET TOTAL

7-6-10 PARKING LOT DETAILS

DATE: 12/14/10

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Director: *[Signature]* Date: 12/21/10
Chief, Department of Planning and Zoning

Chief, Development Engineering Division: *[Signature]* Date: 12/17/10

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

PROJECT: CENTENNIAL HIGH SCHOOL
SECTION/AREA: -
PARCELS: 291

DEED REF.: 19, 1
BLOCK NO.: R-20
TAX MAP: 24, 30
ELEC. DIST.: SECOND
CENSUS TR.: 6023.03

WATER CODE: -
SEWER CODE: -

SMG ARCHITECTS

ENGINEER'S CERTIFICATE

"I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Signature of Engineer: *[Signature]* Date: 12/11/10

DEVELOPER'S CERTIFICATE

"I/we certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer: *[Signature]* Date: 12/08/10

SIGNAGE DETAILS, ENLARGMENTS OF HANDICAP PARKING AND SEDIMENT CONTROL DETAILS

"REVISED SITE DEVELOPMENT PLAN" CENTENNIAL HIGH SCHOOL

DANCE STUDIO ADDITION AND PARKING LOT RECONFIGURATION

PARCEL No.: 291
TAX MAP No.: 24 GRID No.: 19
TAX MAP No.: 30 GRID No.: 1
SECOND ELECTION DISTRICT: HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: DECEMBER 7, 2010

SHEET 33 OF 50
SDP-75-86

K:\506000\061471\dwg\61471_SDP_PARKING_DETAILS.dwg, STAGE, 12/08/2010 8:15:54 AM, 11

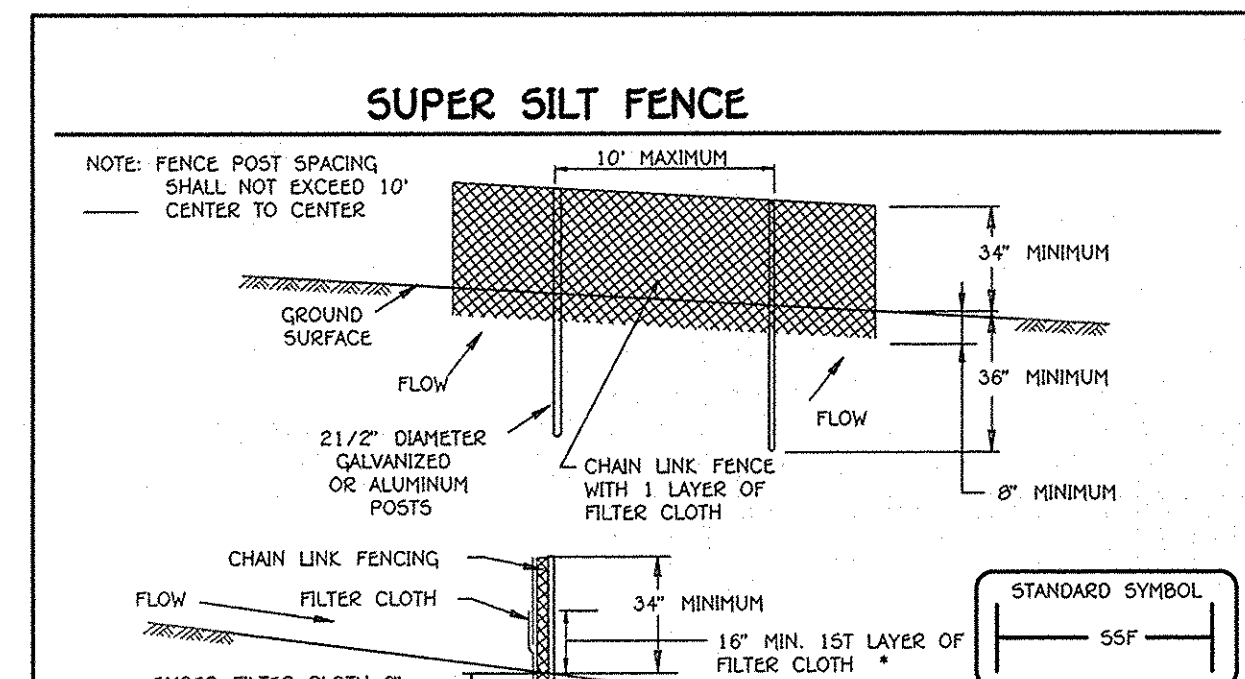
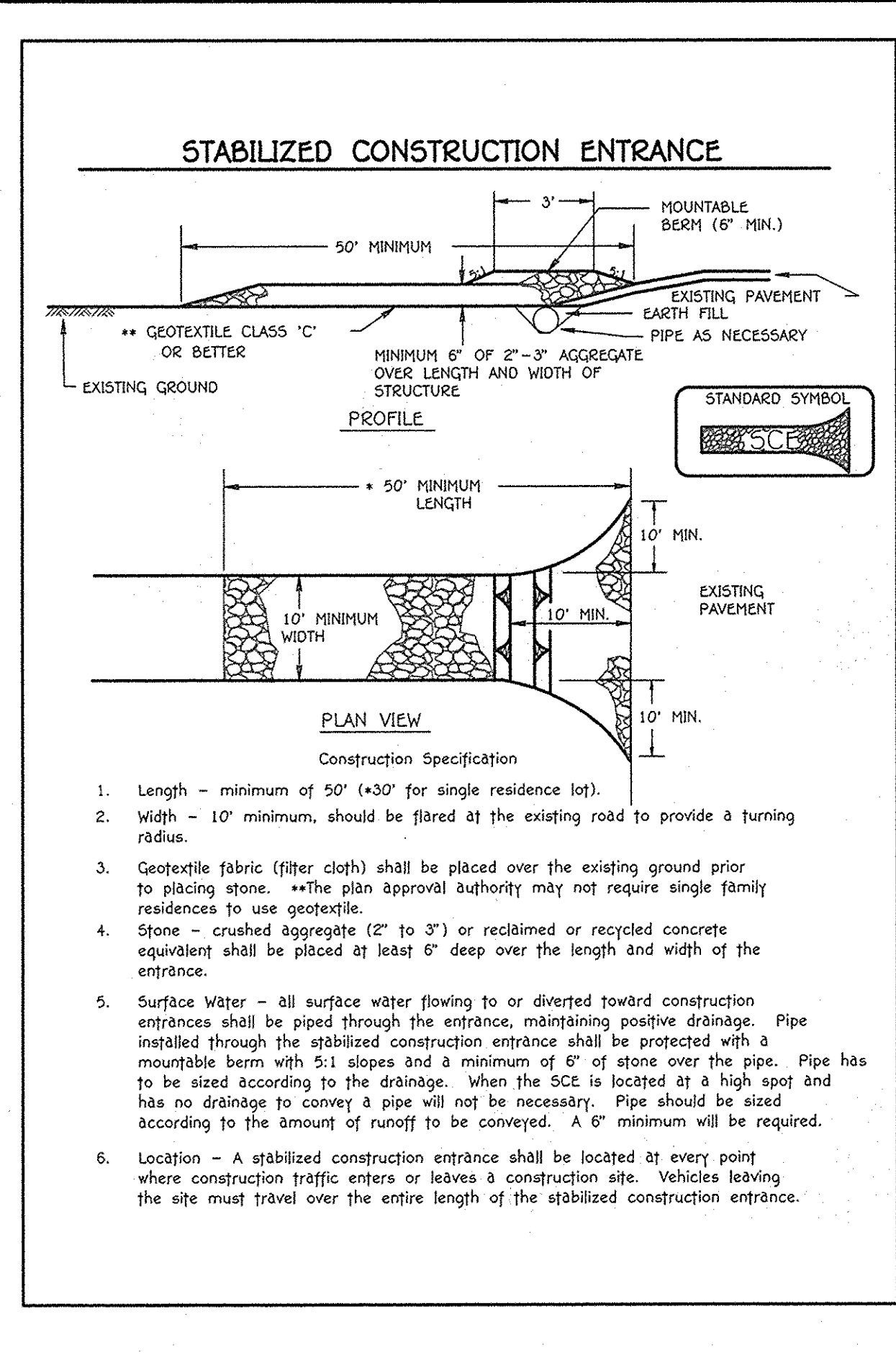
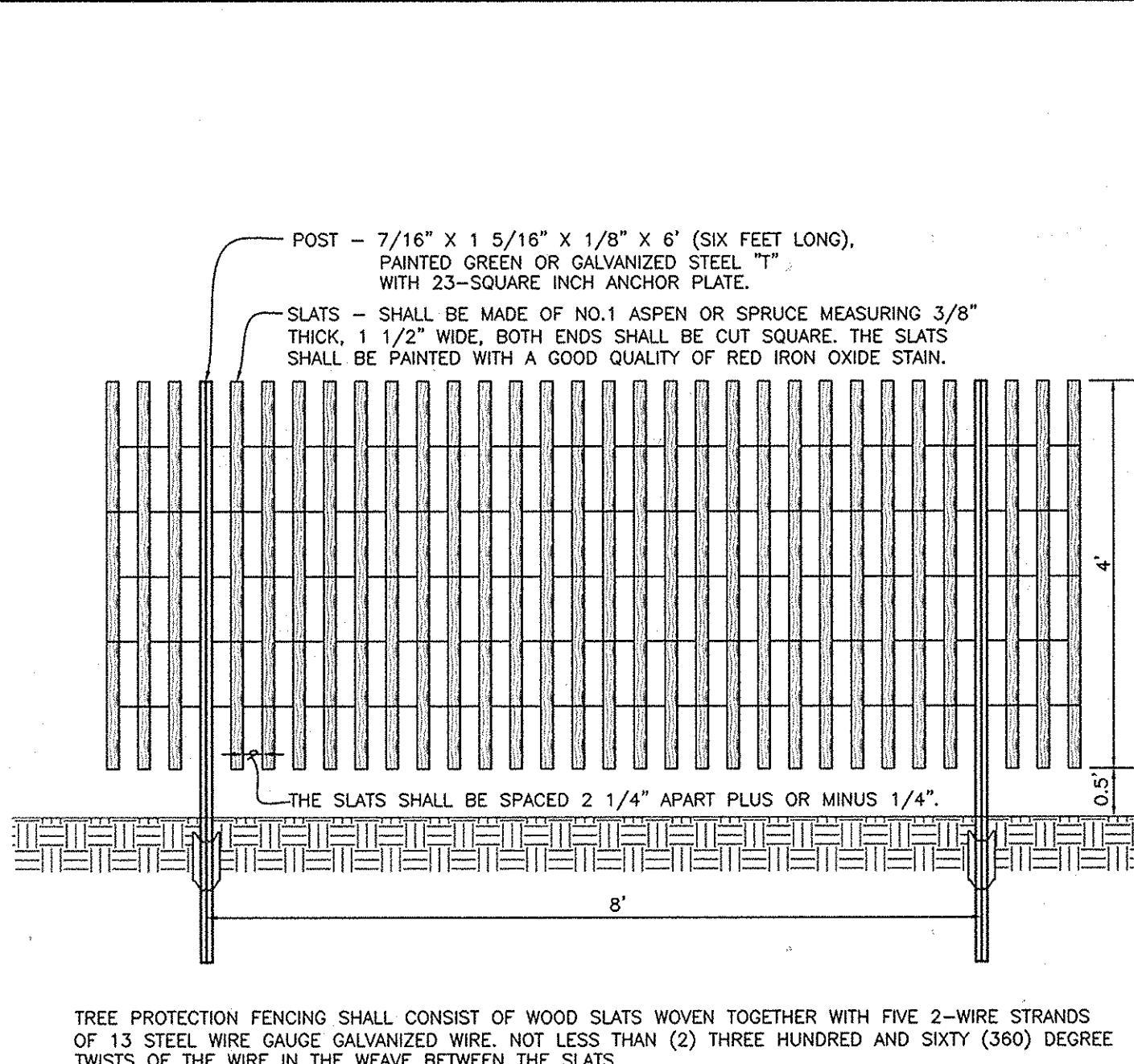
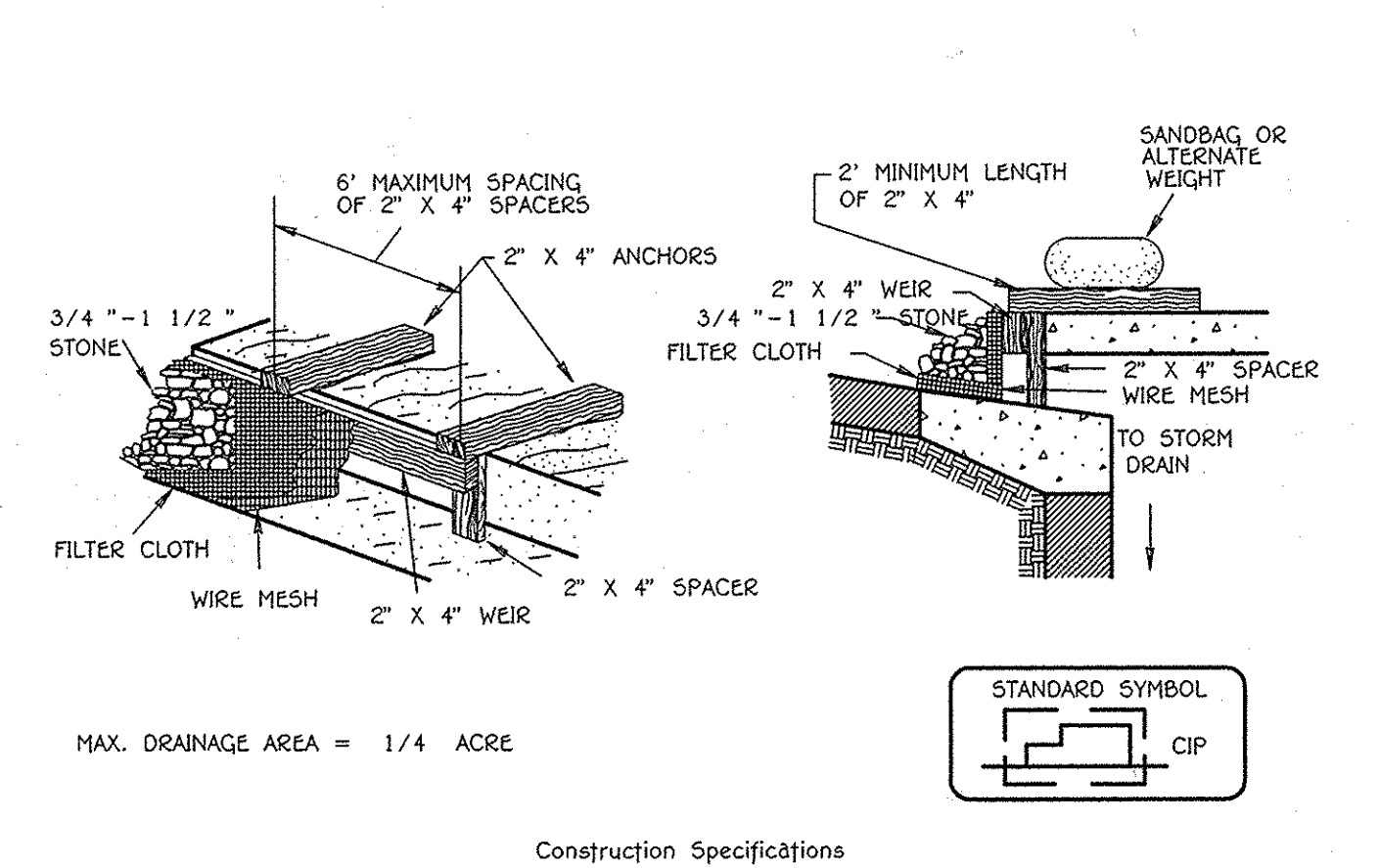


Table with 3 columns: Tensile Strength, Tensile Modulus, and Filtering Efficiency. It lists specifications for Geotextile Class F and provides design criteria for slope, slope length, and silt fence length.



Tree Protection Fencing shall consist of wood slats woven together with five 2-wire strands of 13 steel wire gauge galvanized wire, not less than two three hundred and sixty (360) degrees twists of the wire in the weave between the slats.



1. Attach a continuous piece of wire mesh (30\"/>

CURB INLET PROTECTION (COG OR CO5 INLETS)

20.0 STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION. DEFINITION: Using vegetation as cover for barren soil to protect it from forces that cause erosion.

CONSTRUCTION WHERE PRACTICE APPLIES. This practice shall be used on disturbed areas as specified on the plans and may be used on highly erodible or critically eroding areas. This practice is intended to provide permanent stabilization of exposed soil.

SECTION 2 - TEMPORARY SEEDING. DEFINITION: Vegetation - Annual grass or grain used to provide cover on disturbed areas for up to 12 months.

SEEDING GRASS AND LEGUMES TO ESTABLISH GRASS COVER FOR A MINIMUM OF ONE YEAR ON DISTURBED AREAS. Seeding grass and legumes to establish grass cover for a minimum of one year on disturbed areas generally receiving low maintenance.

SEEDING GRASS AND LEGUMES TO ESTABLISH GRASS COVER FOR A MINIMUM OF ONE YEAR ON DISTURBED AREAS. Seeding grass and legumes to establish grass cover for a minimum of one year on disturbed areas generally receiving low maintenance.

SEEDING GRASS AND LEGUMES TO ESTABLISH GRASS COVER FOR A MINIMUM OF ONE YEAR ON DISTURBED AREAS. Seeding grass and legumes to establish grass cover for a minimum of one year on disturbed areas generally receiving low maintenance.

SEEDING GRASS AND LEGUMES TO ESTABLISH GRASS COVER FOR A MINIMUM OF ONE YEAR ON DISTURBED AREAS. Seeding grass and legumes to establish grass cover for a minimum of one year on disturbed areas generally receiving low maintenance.

SEEDING GRASS AND LEGUMES TO ESTABLISH GRASS COVER FOR A MINIMUM OF ONE YEAR ON DISTURBED AREAS. Seeding grass and legumes to establish grass cover for a minimum of one year on disturbed areas generally receiving low maintenance.

Table with 5 columns: No., Species, Application Rate (lb./ac.), Seeding Dates, Seeding Depth. Lists seed mixtures for temporary seeding.

Table with 5 columns: No., Species, Application Rate (lb./ac.), Seeding Dates, Seeding Depth. Lists seed mixtures for permanent seeding.

SEEDING GRASS AND LEGUMES TO ESTABLISH GRASS COVER FOR A MINIMUM OF ONE YEAR ON DISTURBED AREAS. Seeding grass and legumes to establish grass cover for a minimum of one year on disturbed areas generally receiving low maintenance.

SEEDING GRASS AND LEGUMES TO ESTABLISH GRASS COVER FOR A MINIMUM OF ONE YEAR ON DISTURBED AREAS. Seeding grass and legumes to establish grass cover for a minimum of one year on disturbed areas generally receiving low maintenance.

SEEDING GRASS AND LEGUMES TO ESTABLISH GRASS COVER FOR A MINIMUM OF ONE YEAR ON DISTURBED AREAS. Seeding grass and legumes to establish grass cover for a minimum of one year on disturbed areas generally receiving low maintenance.

SEEDING GRASS AND LEGUMES TO ESTABLISH GRASS COVER FOR A MINIMUM OF ONE YEAR ON DISTURBED AREAS. Seeding grass and legumes to establish grass cover for a minimum of one year on disturbed areas generally receiving low maintenance.

STANDARDS AND SPECIFICATIONS FOR TOPSOIL. DEFINITION: Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptably soil gradation.

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptably soil gradation.

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptably soil gradation.

Table with 4 columns: Slope Steepness, Slope Length, Silt Fence Length, and Silt Fence Area. Provides construction specifications for silt fences.

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptably soil gradation.

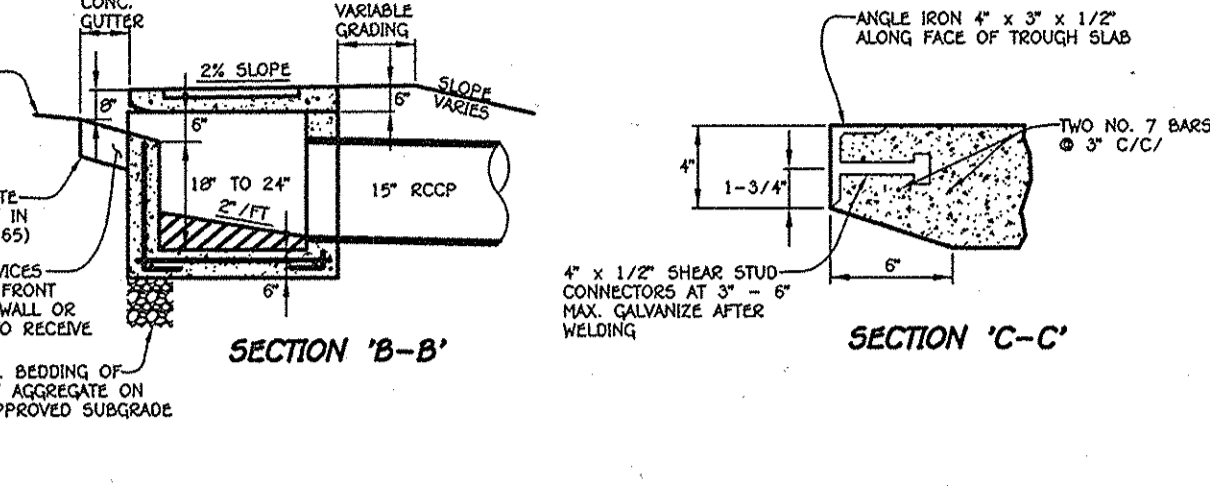
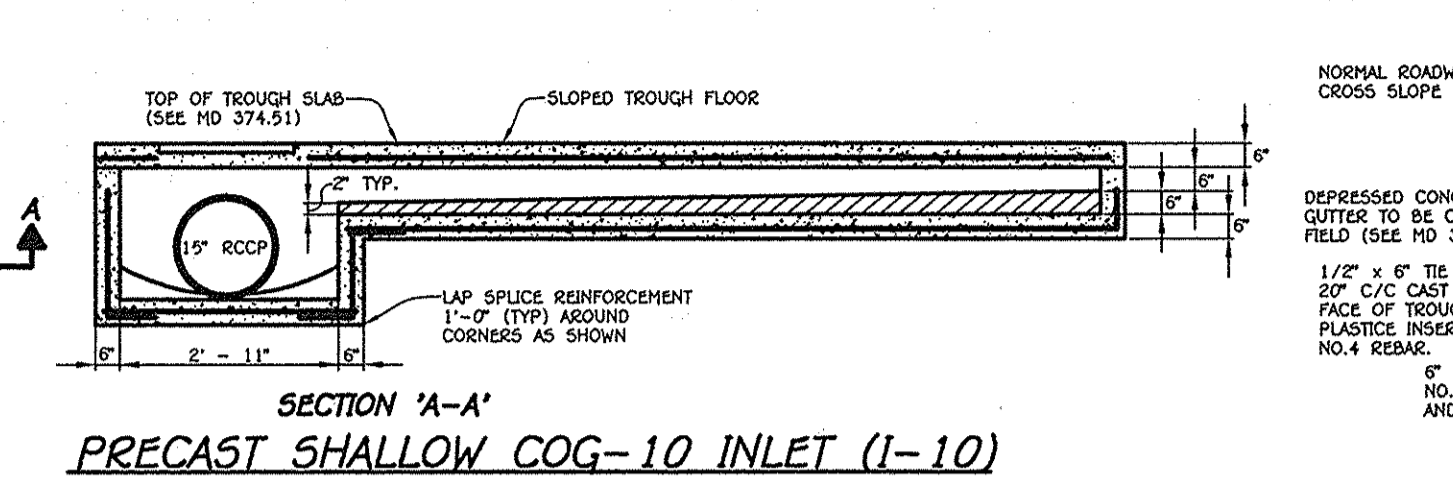
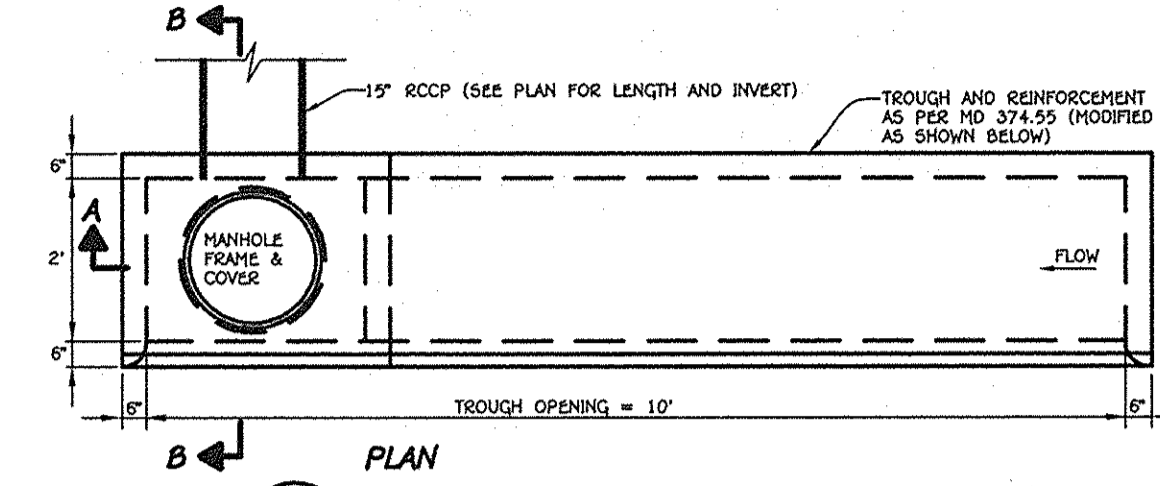
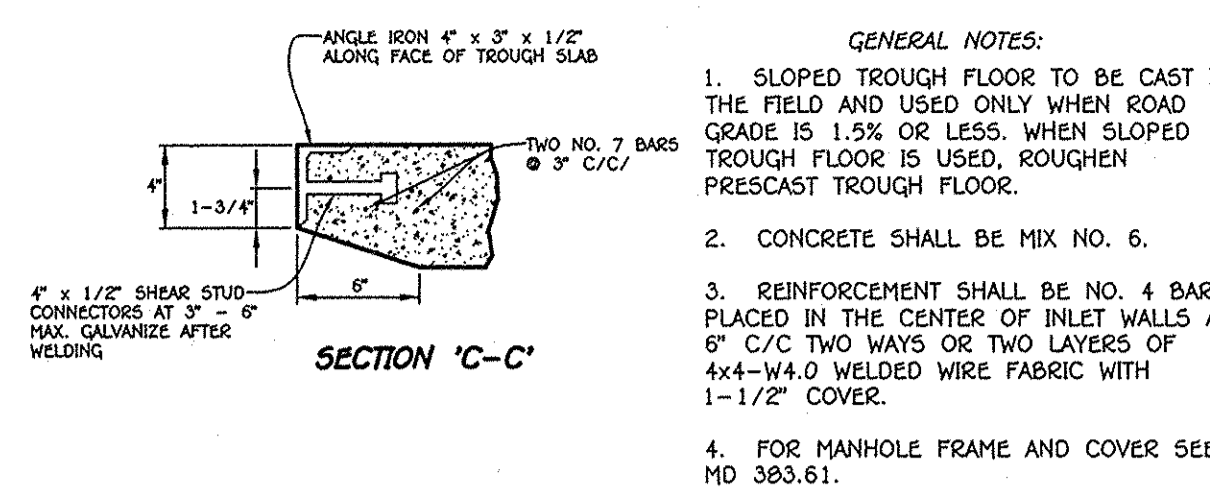
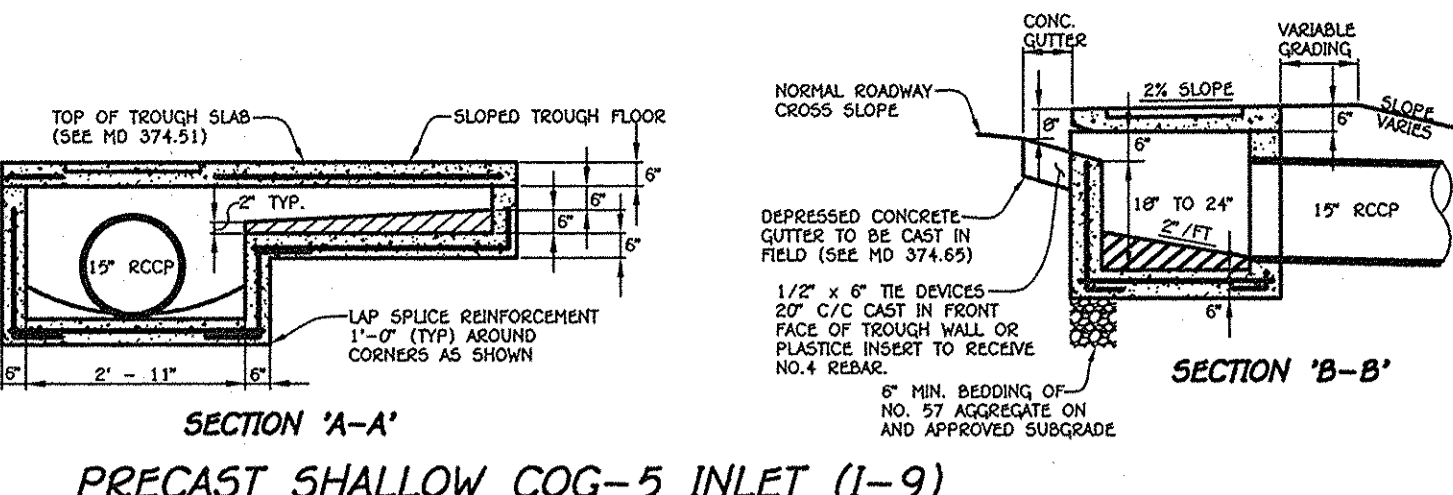
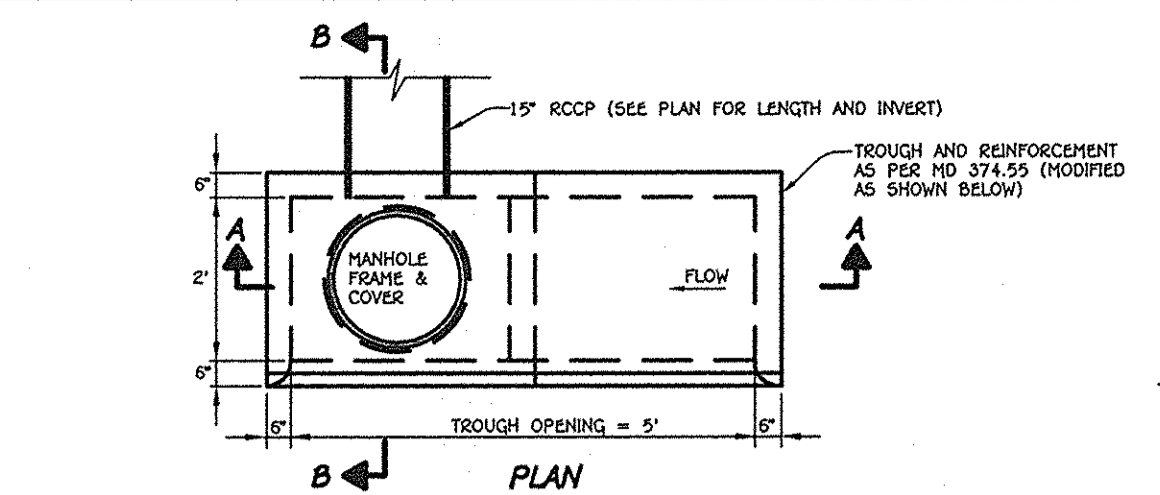
ENGINEER'S CERTIFICATE. I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

DEVELOPER'S CERTIFICATE. I/We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project.

APPROVED: DEPARTMENT OF PLANNING AND ZONING. Includes signatures and dates for approval.

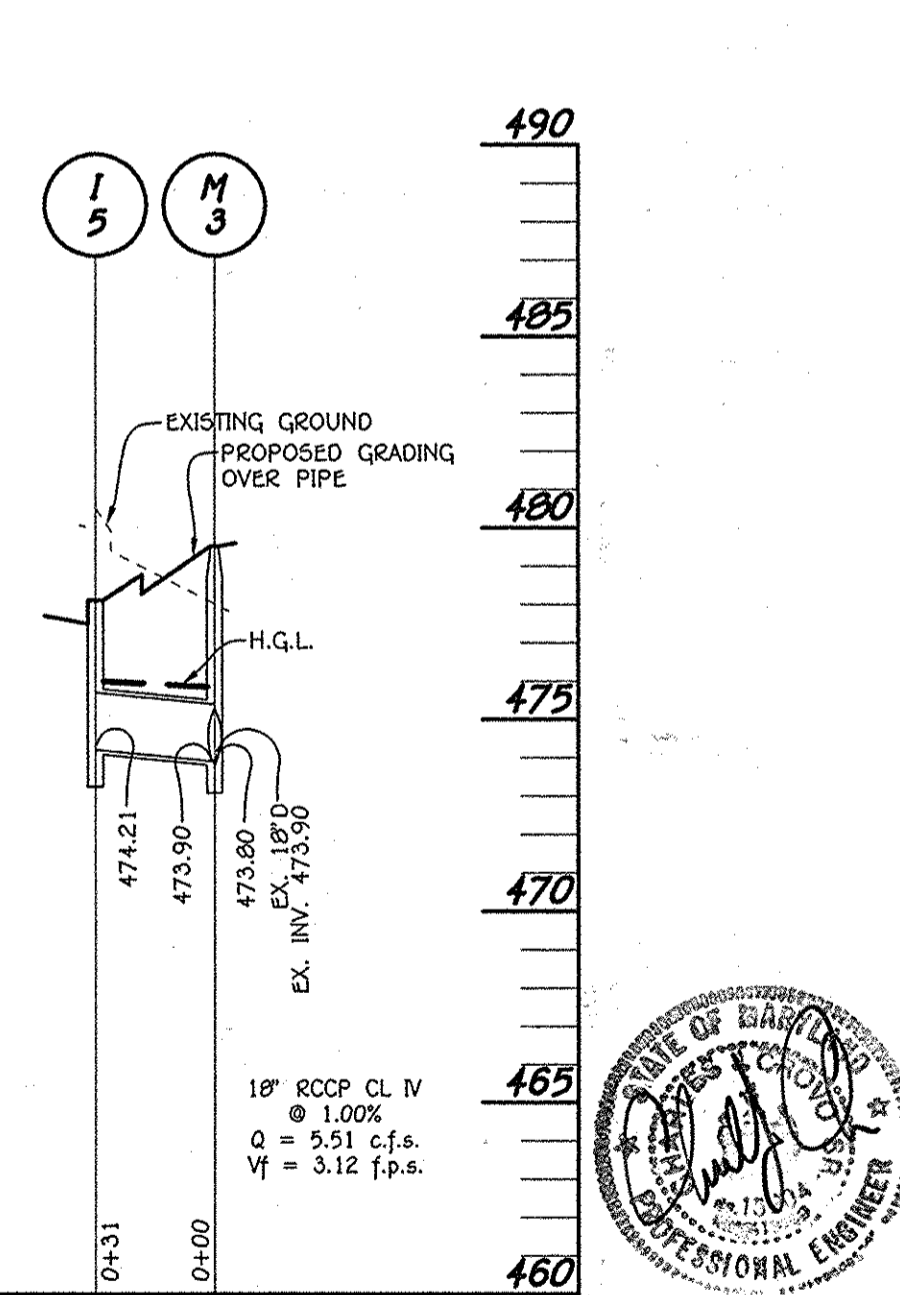
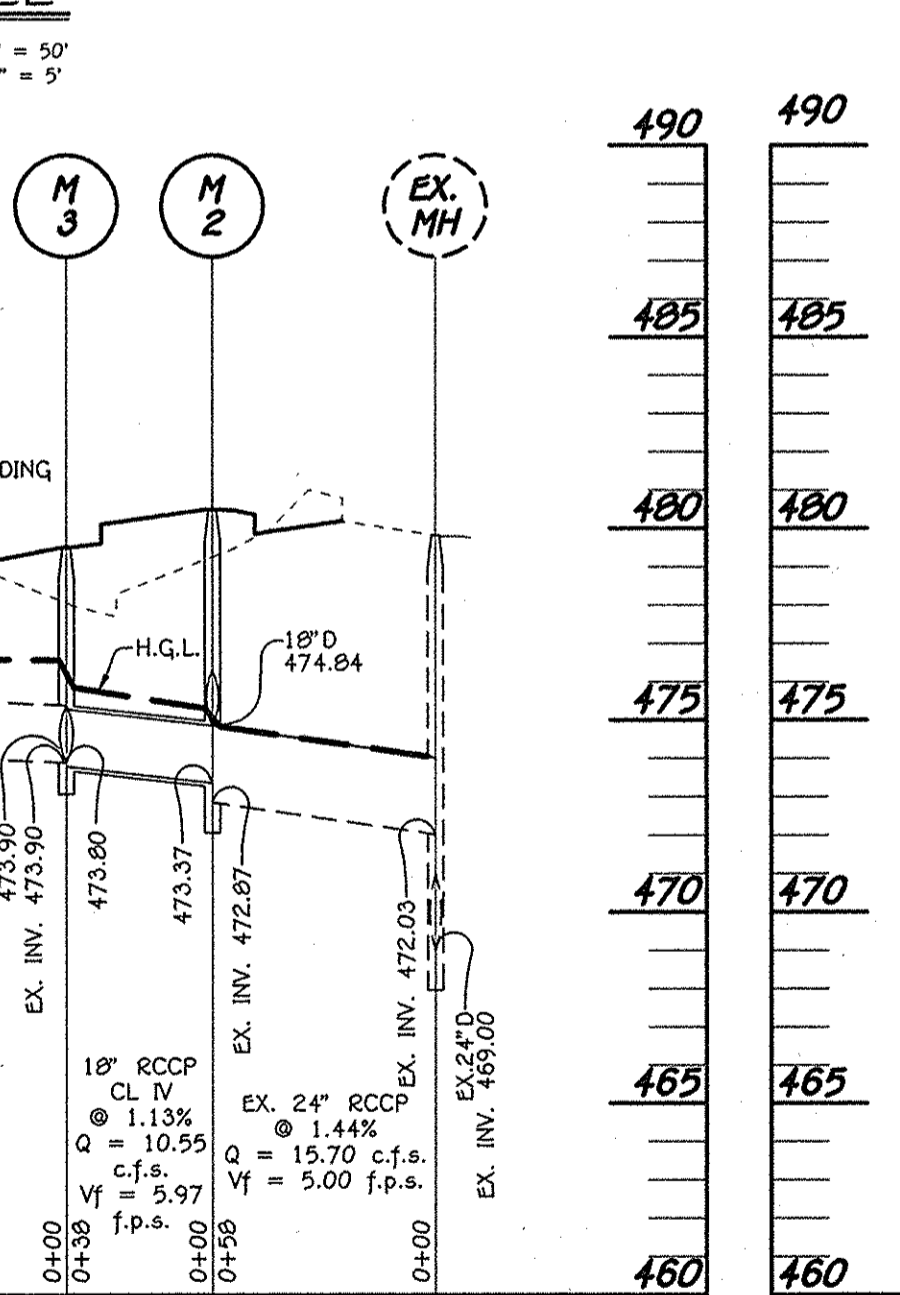
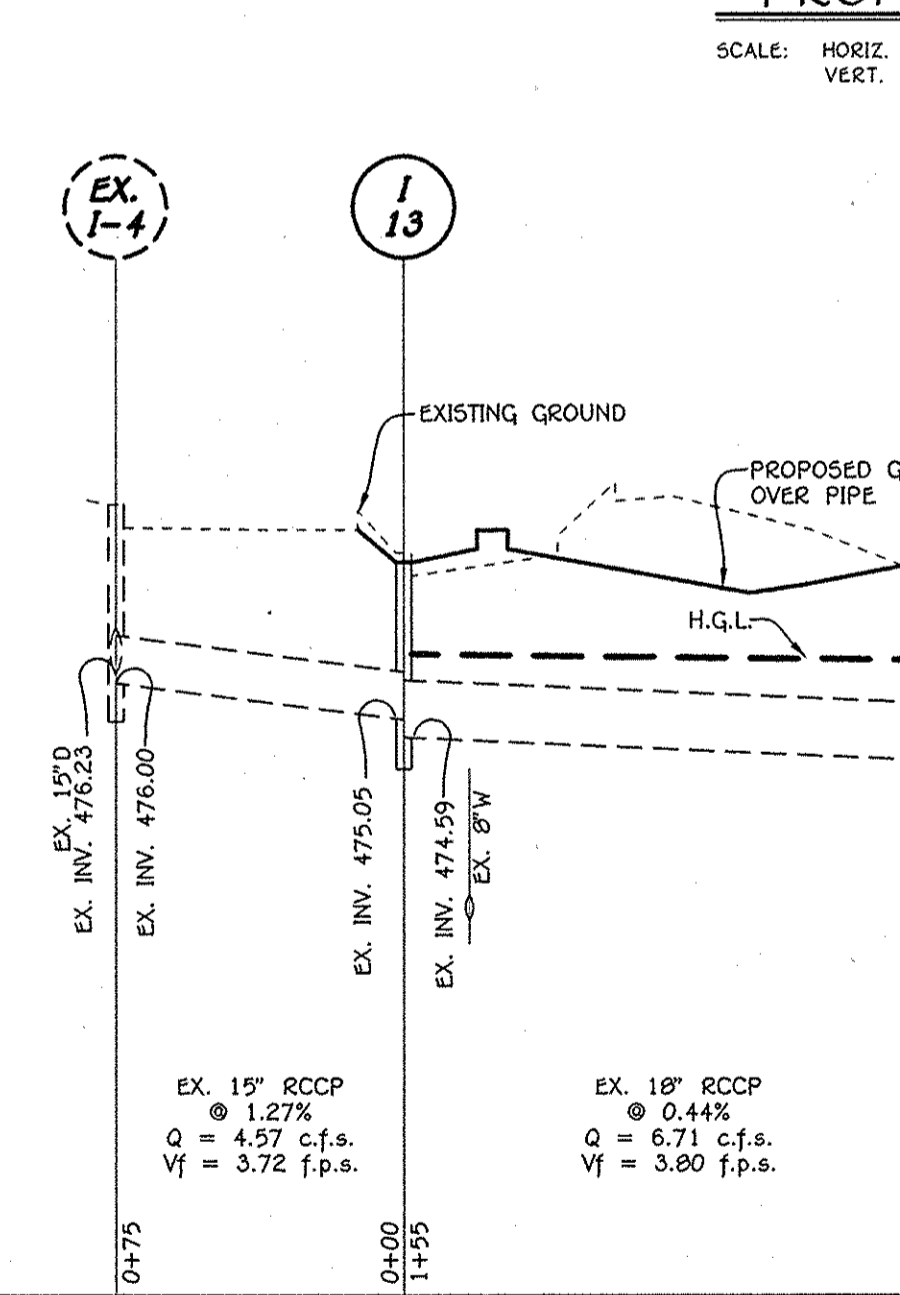
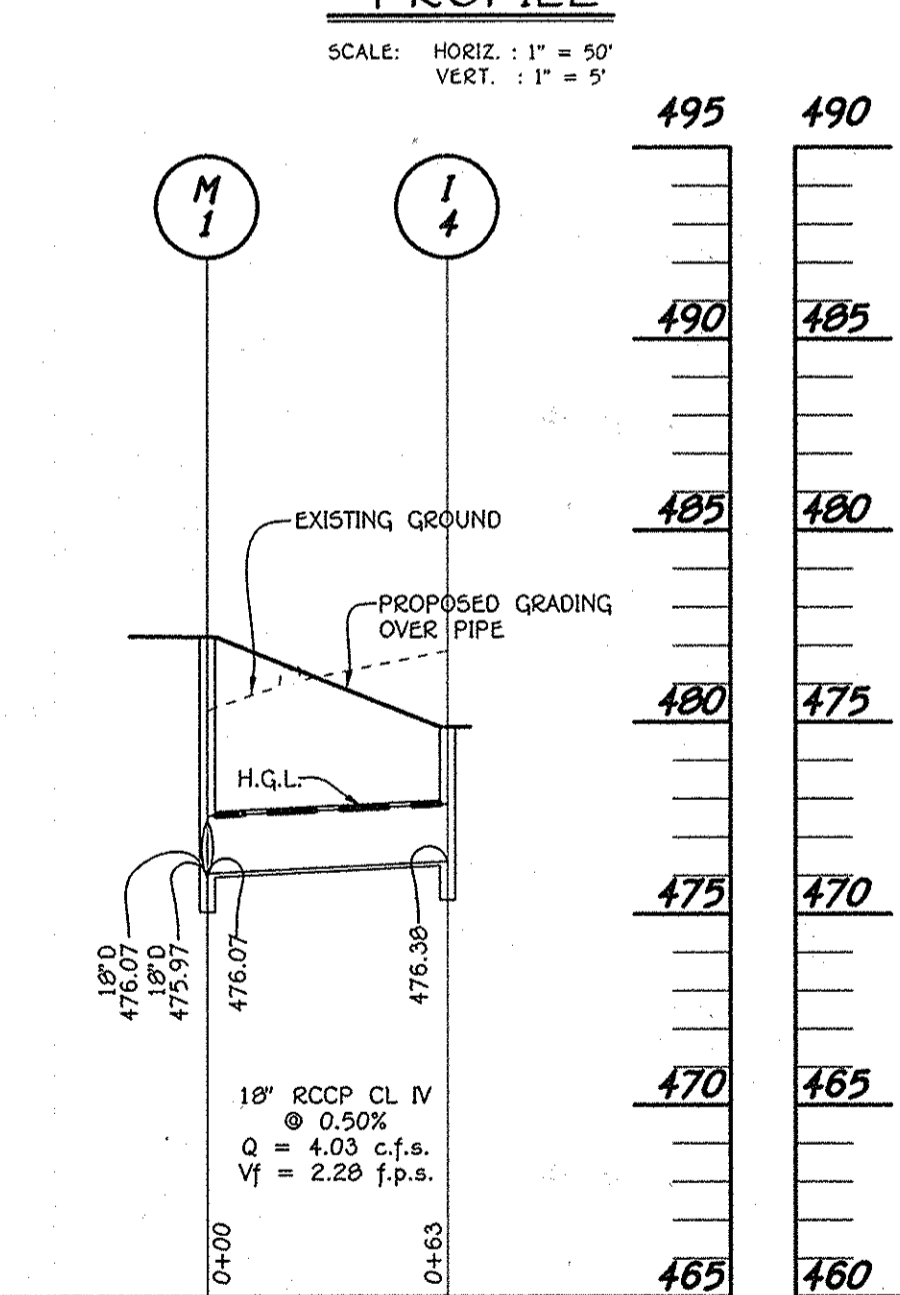
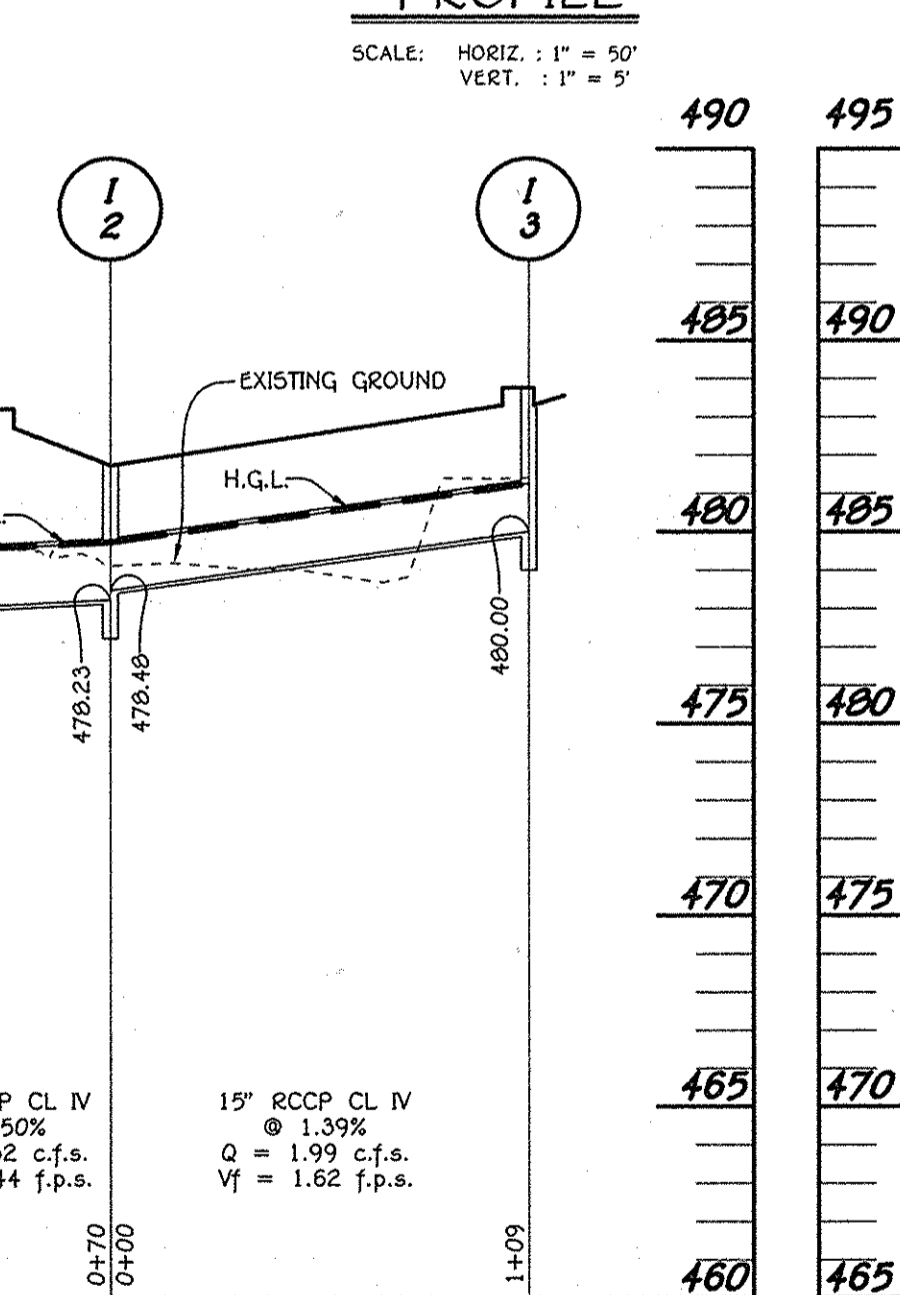
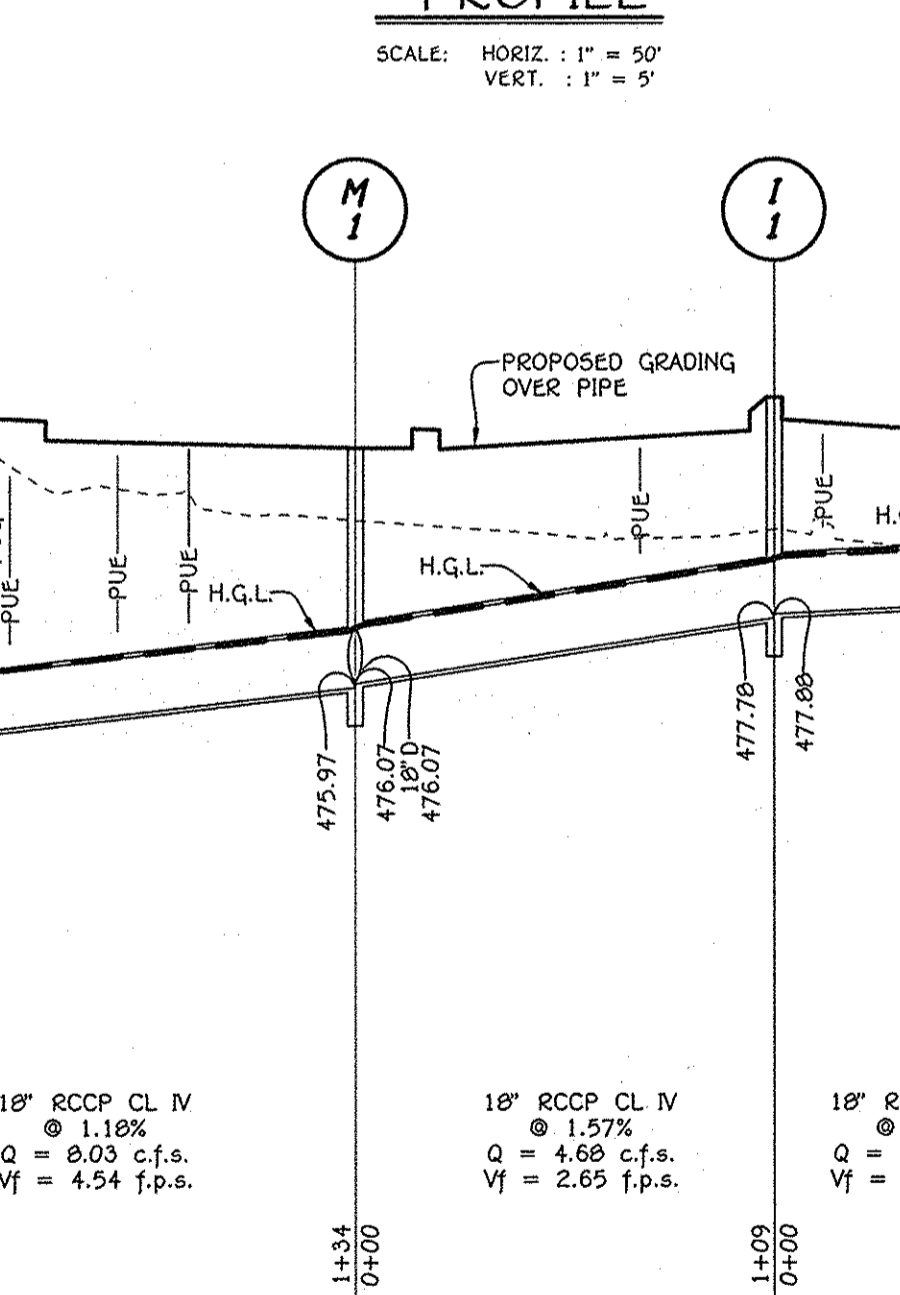
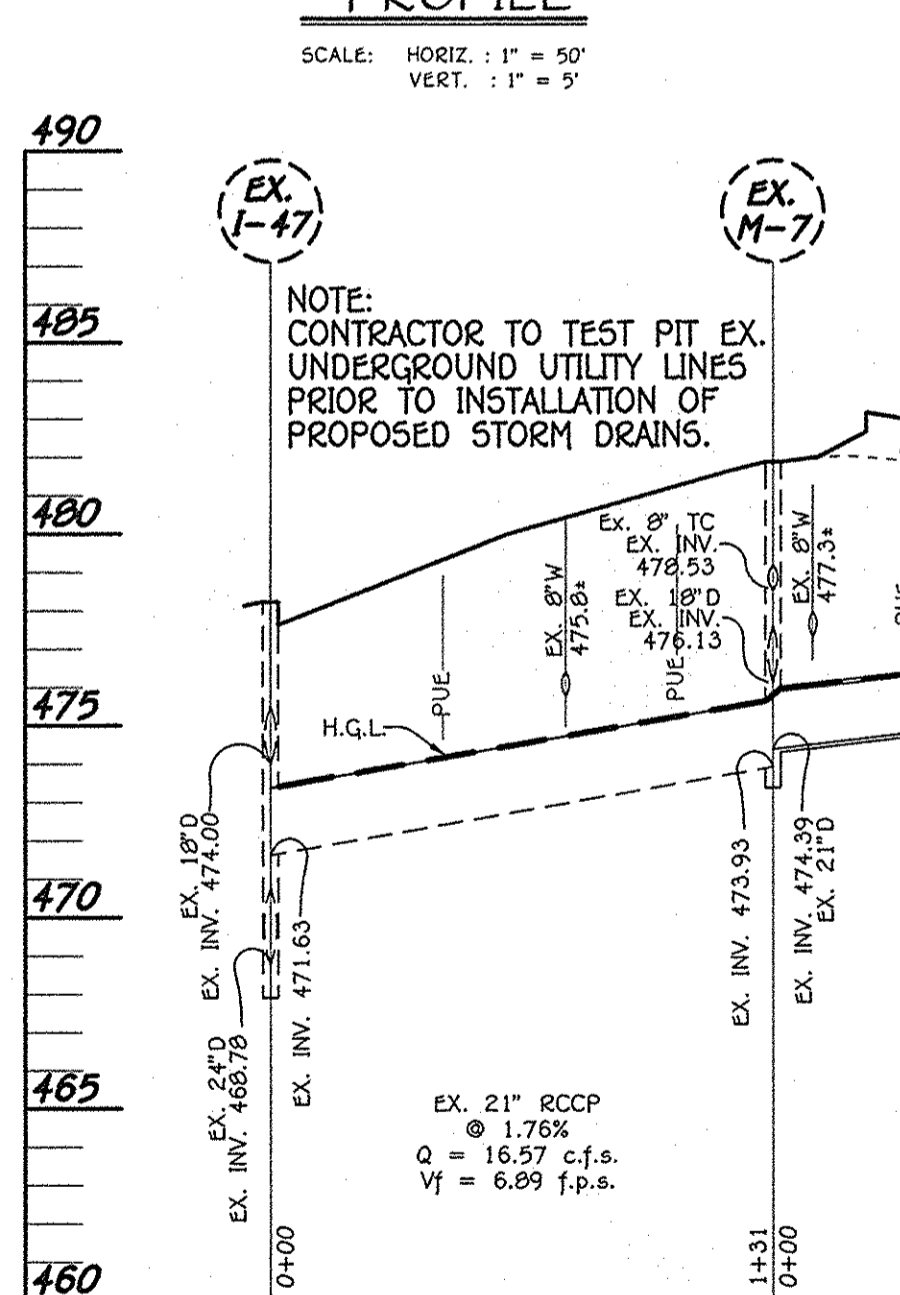
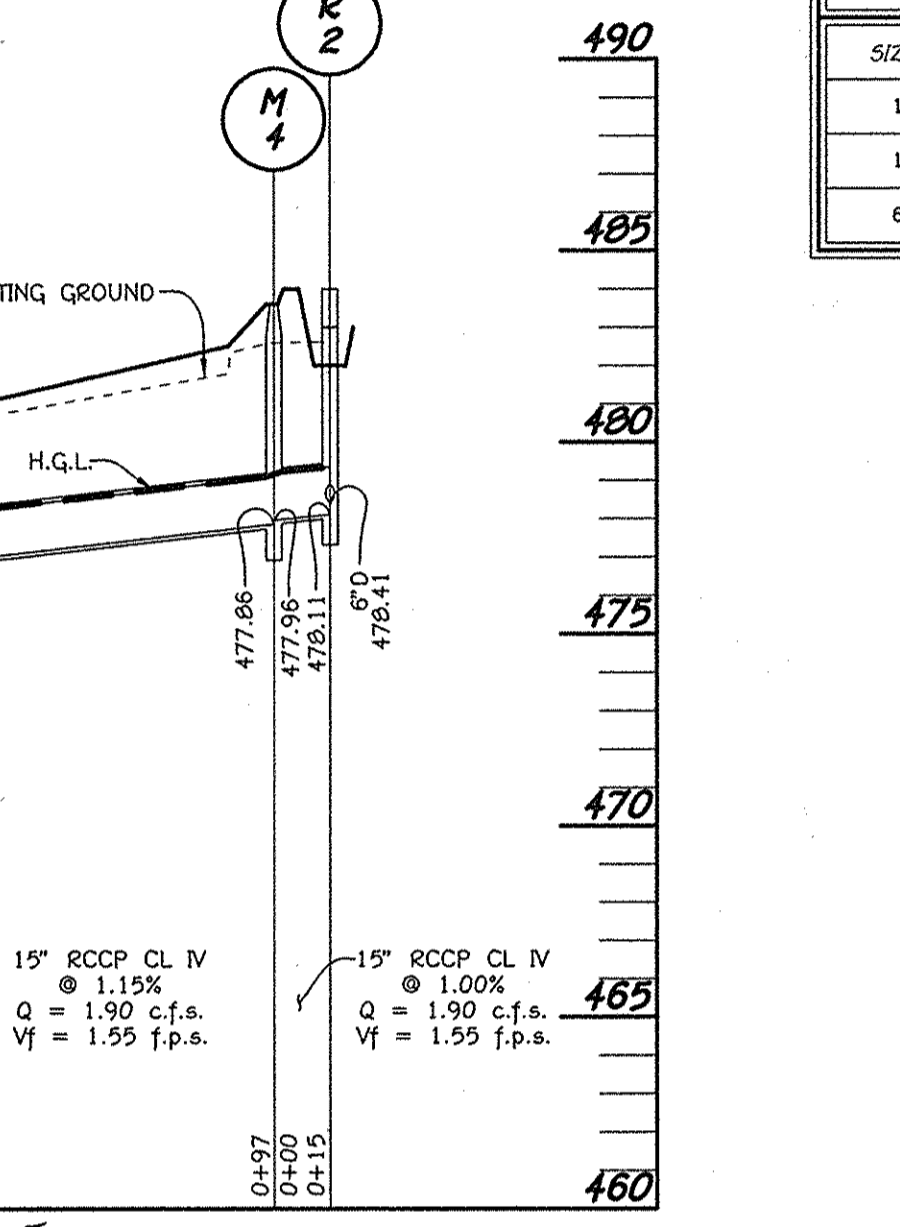
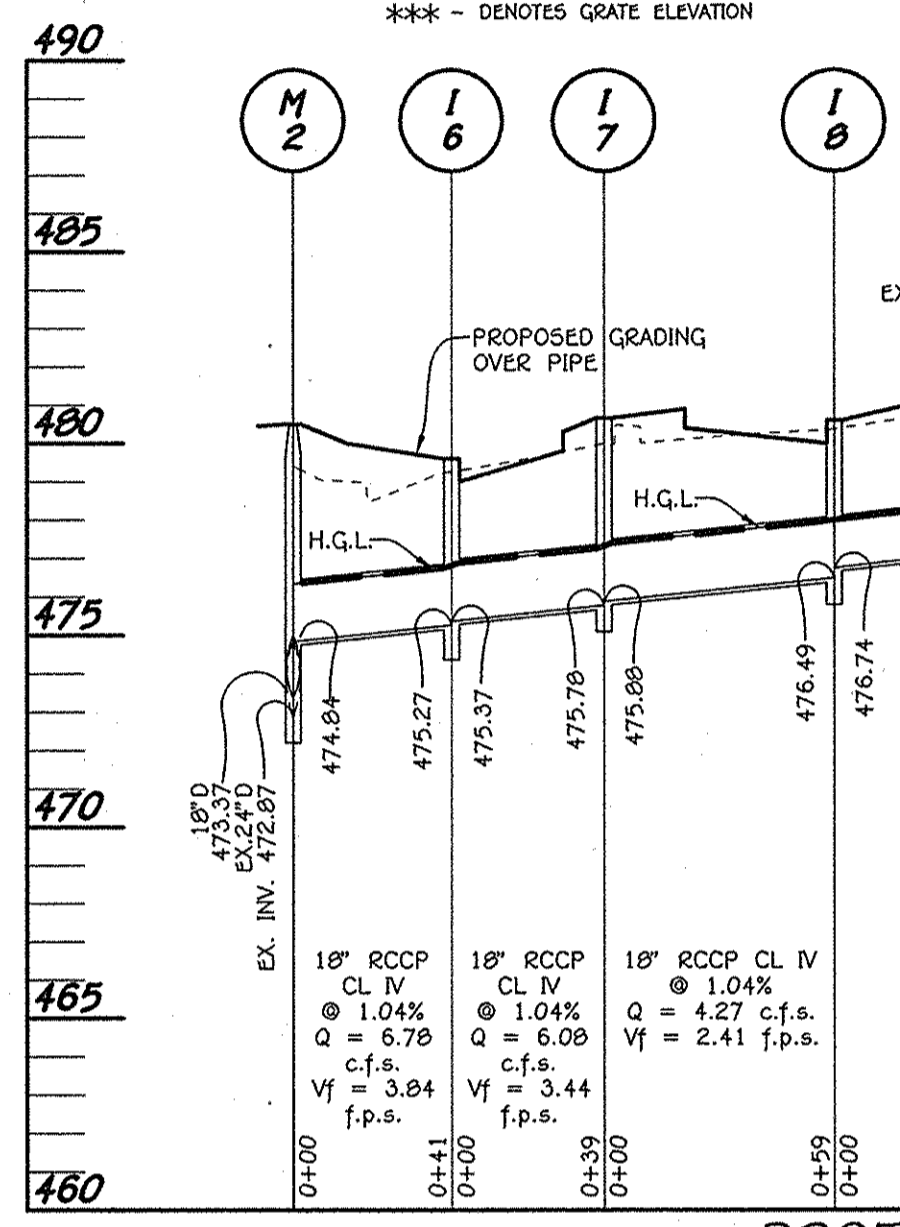
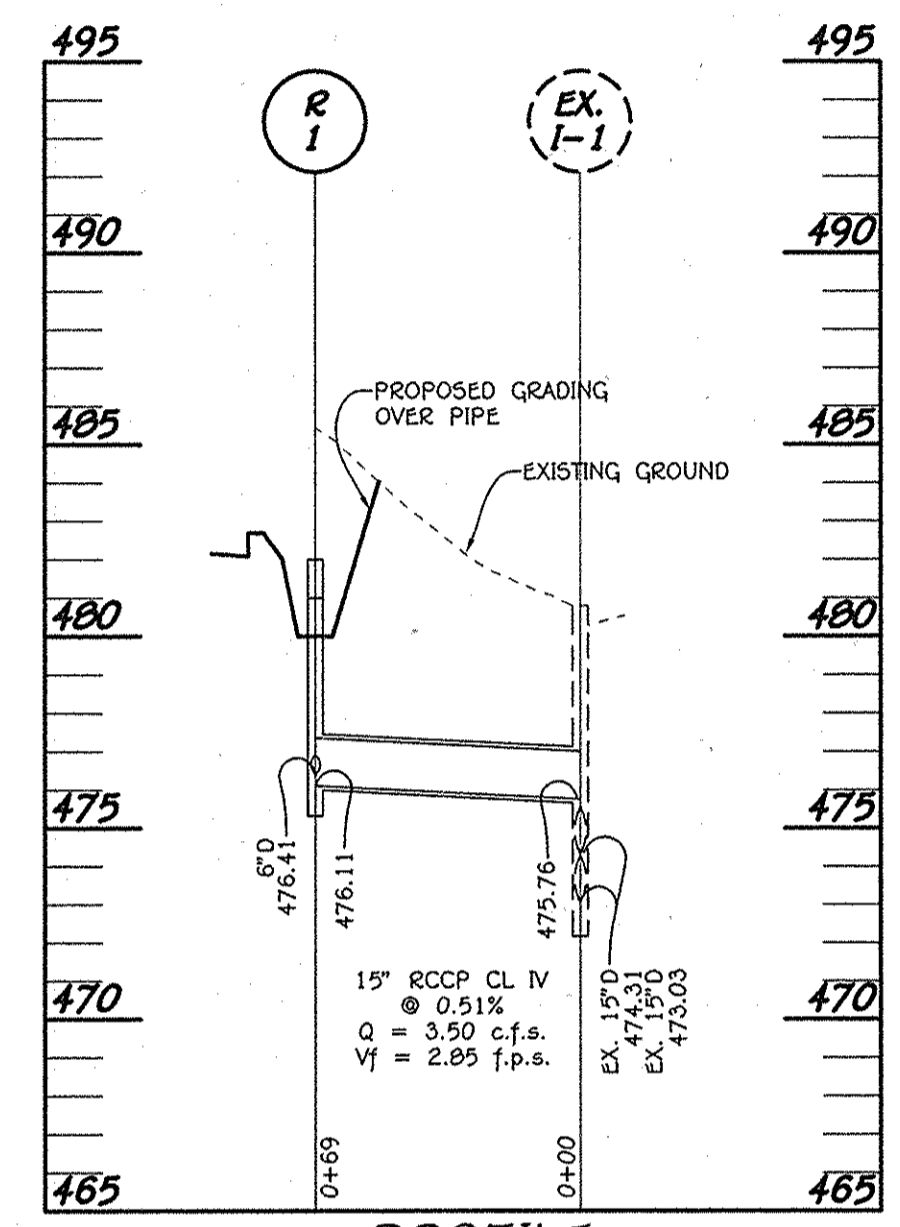
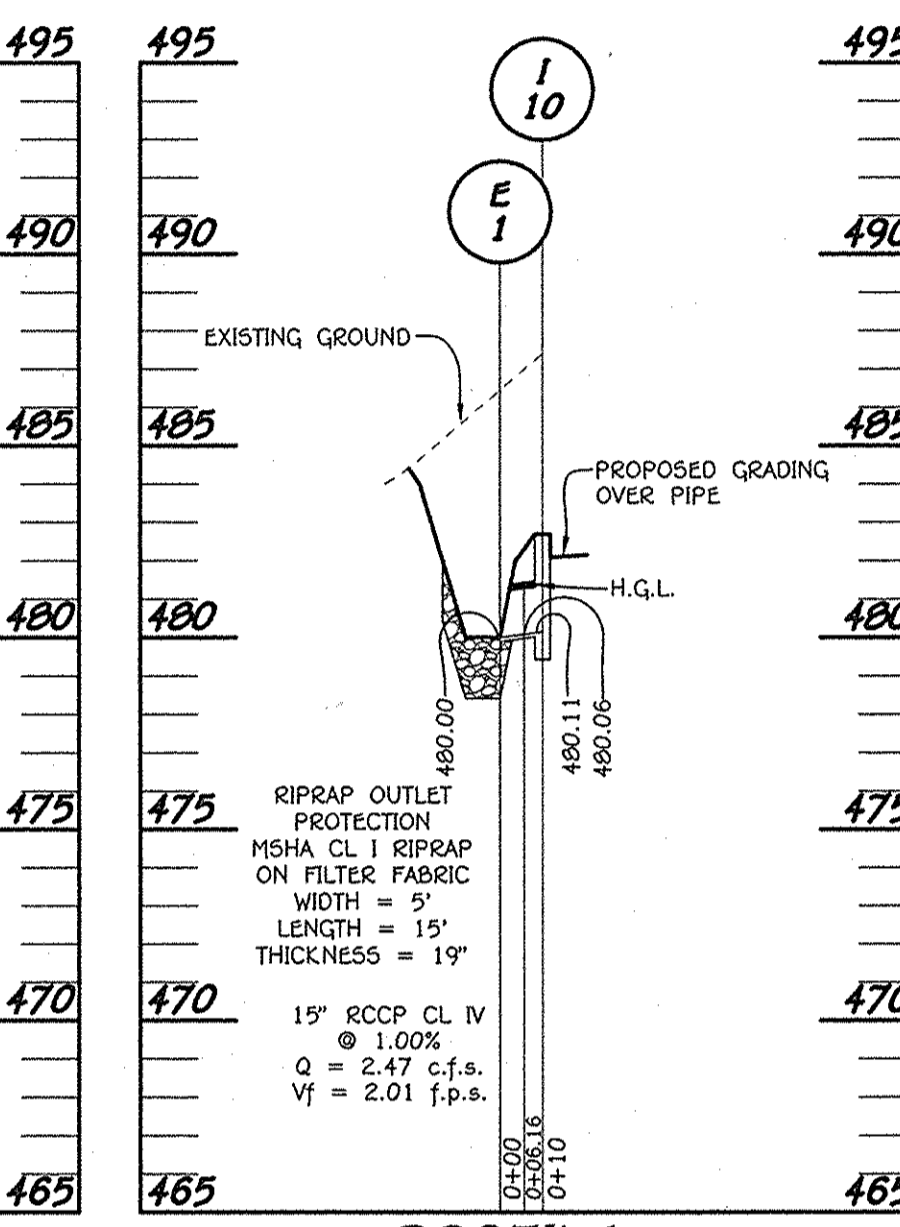
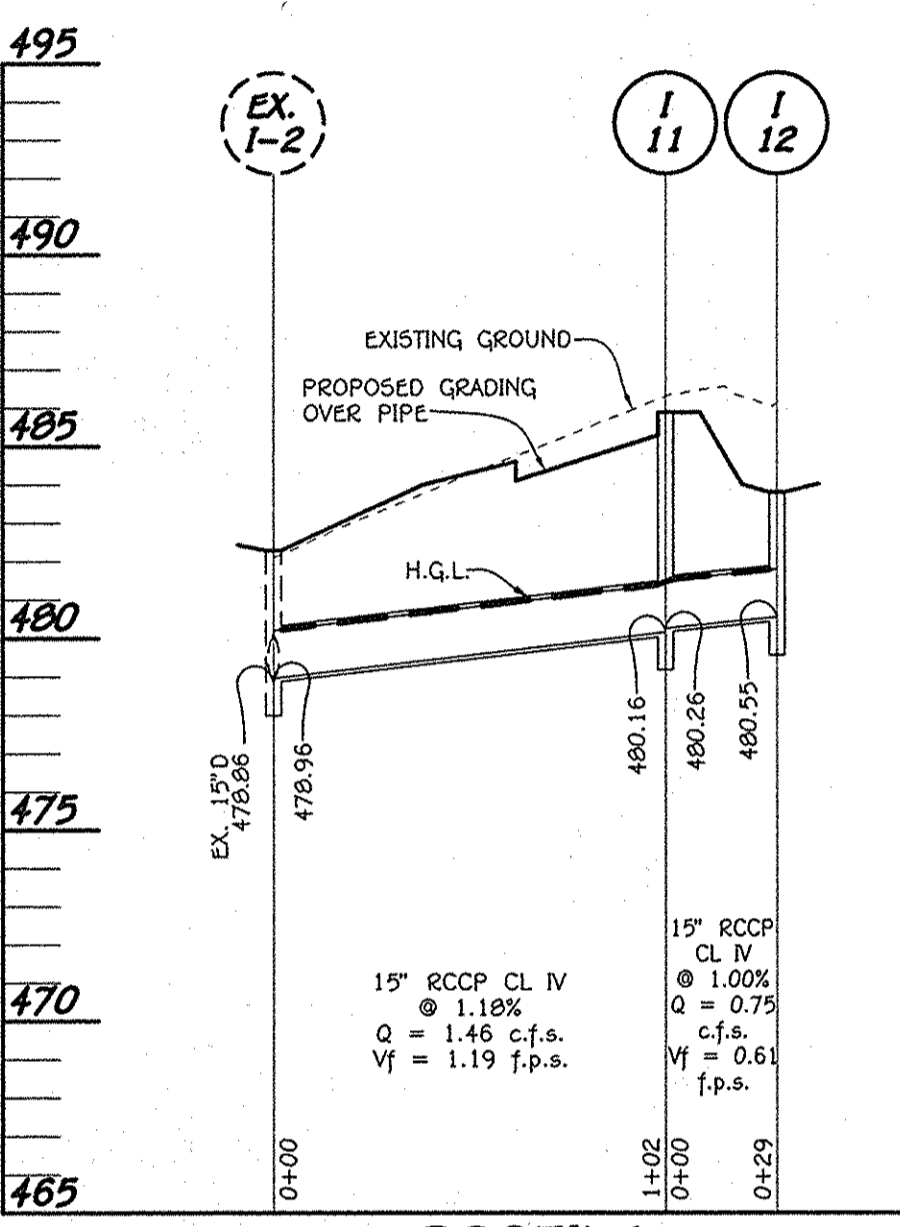
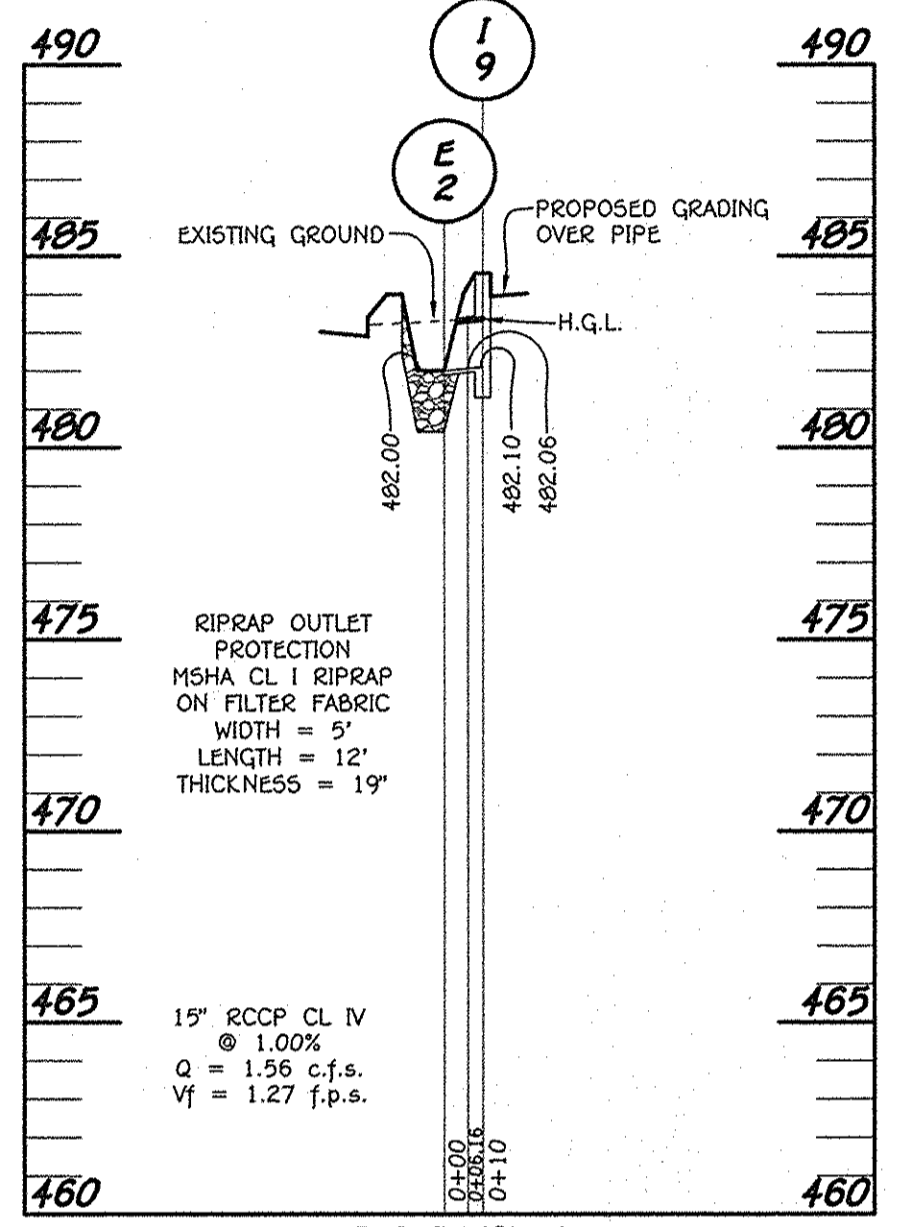
PREPARED FOR HOWARD COUNTY PUBLIC SCHOOL SYSTEM. Includes address and contact information for Schamu Machowski Greco Architects, Inc.

SEDIMENT AND EROSION CONTROL NOTES AND DETAILS. REVISED SITE DEVELOPMENT PLAN CENTENNIAL HIGH SCHOOL. Includes design criteria and notes for implementation.



STRUCTURE SCHEDULE									
STRUCTURE NO.	TOP ELEVATION	INV. IN	INV. OUT	COORDINATES	WIDTH	TYPE	REMARKS		
I-1	483.53**	477.86 (18")	477.78 (18")	N 4993.33 E 50842.28	2.5'	A-5	D - 4.01		
I-2	481.73**	478.46 (15")	478.23 (18")	N 50007.26 E 50281.50	2.63'	DOUBLE 5" W/ RECTANGULAR GRATES	D - 4.23 & D - 4.93		
I-3	483.65**	480.00 (15")	480.00 (15")	N 50021.46 E 50390.78	2.5'	A-10	D - 4.03		
I-4	479.89**	-	476.30 (15")	N 49923.65 E 50118.25	2.63'	DOUBLE 5" W/ RECTANGULAR GRATES	D - 4.23 & D - 4.93		
I-5	478.00**	-	474.21 (15")	N 49878.41 E 50185.71	2.5'	A-5	D - 4.01		
I-6	479.48**	475.37 (18")	475.27 (18")	N 49660.73 E 50252.71	2.5'	A-5	D - 4.01		
I-7	480.56**	475.88 (18")	475.78 (18")	N 49680.47 E 50286.04	2.5'	A-5	D - 4.01		
I-8	480.50**	-	476.49 (18")	N 49644.47 E 50333.04	2.5'	A-5	D - 4.01		
I-9	484.45**	-	482.10 (15")	N 49691.18 E 50472.71	2.5'	COG-10	SEE DETAIL THIS SHEET		
I-10	482.58**	-	480.11 (15")	N 49684.26 E 50718.41	2.5'	COG-5	SEE DETAIL THIS SHEET		
I-11	485.78**	480.26 (15")	480.16 (15")	N 49726.02 E 50922.13	2.5'	A-5	D - 4.01		
I-12	483.80**	-	480.55 (15")	N 49733.94 E 50822.33	2.5'	A-5	D - 4.01		
I-13	479.15**	475.05 (EX. 15")	474.59 (EX. 18")	N 49723.93 E 50600.01	2.63'	DOUBLE 5" W/ RECTANGULAR GRATES	D - 4.23 & D - 4.93		
M-1	482.24	476.07 (18")	476.07 (18")	N 49983.24 E 50136.92	-	4" STD. MANHOLE	G - 5.12		
M-2	480.50	474.84 (18")	474.84 (18")	N 49627.74 E 50227.57	-	4" STD. MANHOLE	G - 5.12		
M-3	479.52	473.90 (EX. 18")	473.90 (18")	N 49647.41 E 50194.92	-	4" STD. MANHOLE	G - 5.12		
M-4	483.60	477.96 (15")	477.66 (15")	N 49642.93 E 50430.09	-	4" STD. MANHOLE	G - 5.12		
E-1	481.25	480.00 (15")	-	N 49677.93 E 50716.41	-	CONCRETE END SECTION	D - 5.51		
E-2	483.25	482.00 (15")	-	N 49691.18 E 50488.22	-	CONCRETE END SECTION	D - 5.51		
R-1	481.00	-	-	N 49687.26 E 50743.22	-	MODIFIED K INLET	SEE DETAIL SHEET 10		
R-2	483.00	478.41 (6")	478.11 (15")	N 49633.11 E 50440.65	-	MODIFIED K INLET	SEE DETAIL SHEET 10		

PIPE SCHEDULE		
SIZE	CLASS	LENGTH
18"	RCCP, CL IV	584 L.F.
15"	RCCP, CL IV	429 L.F.
6"	PERF PVC	257 L.F.



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

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

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

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

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

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

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

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21114
 (410) 461-2095

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 Registration Date: 2-25-14

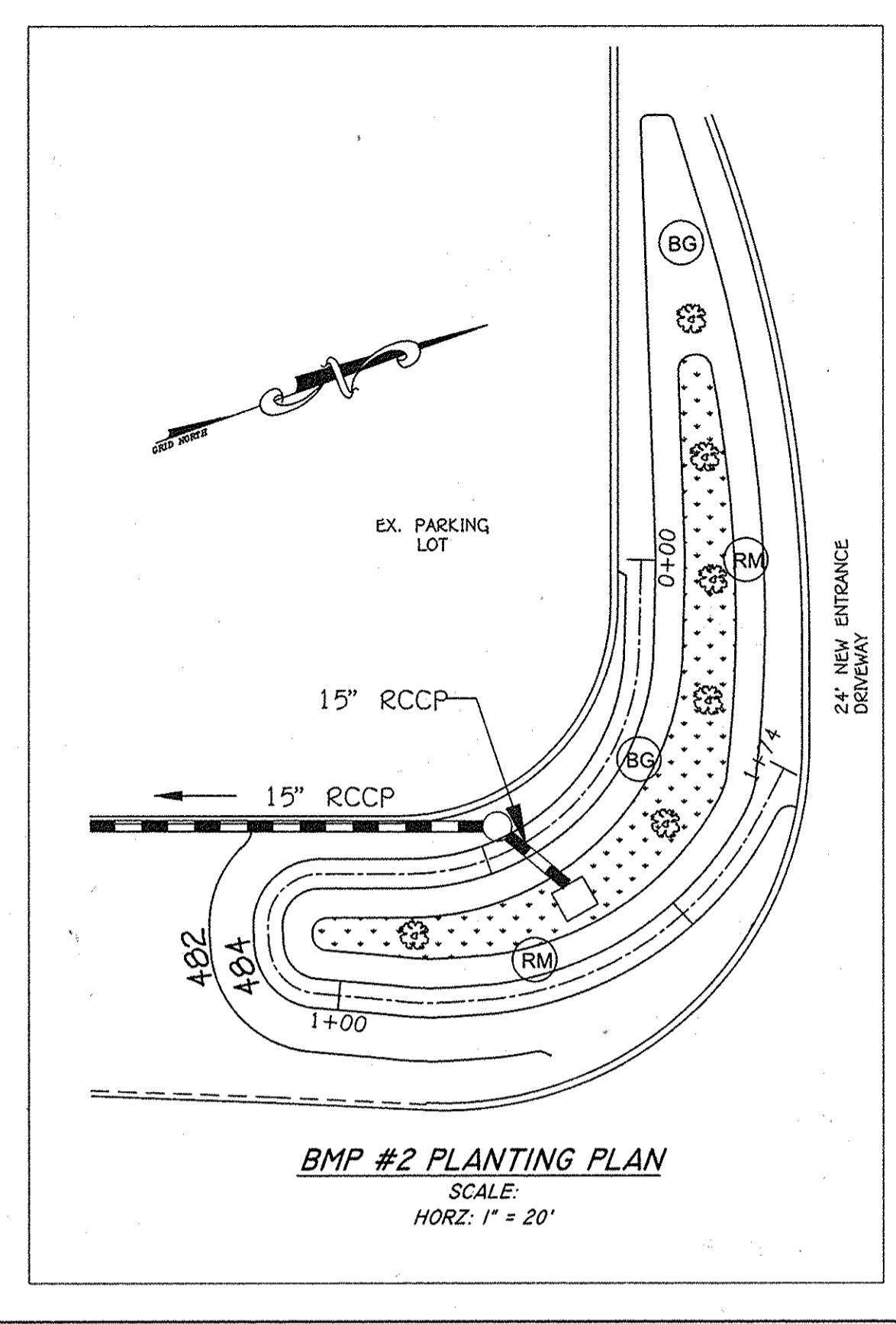
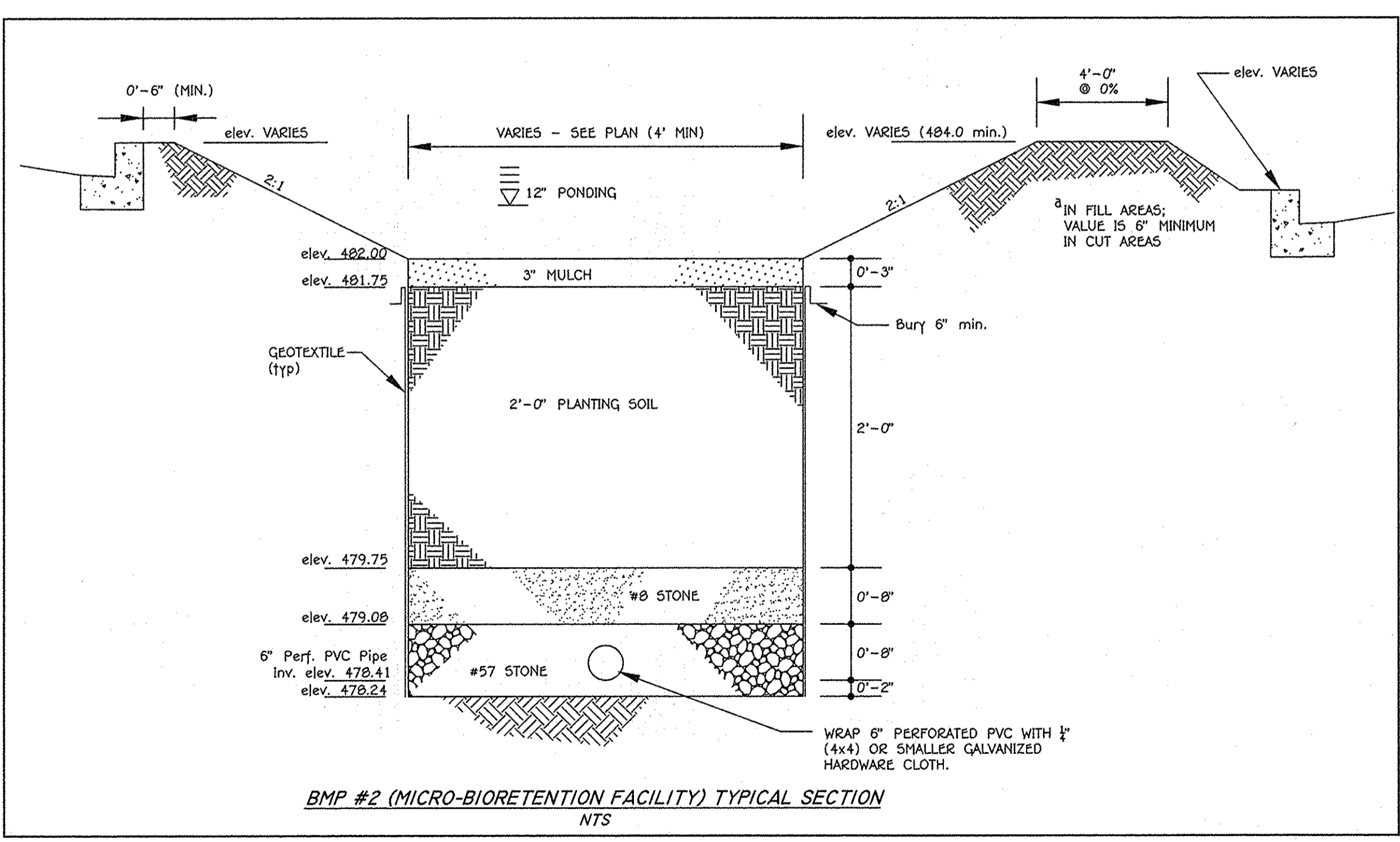
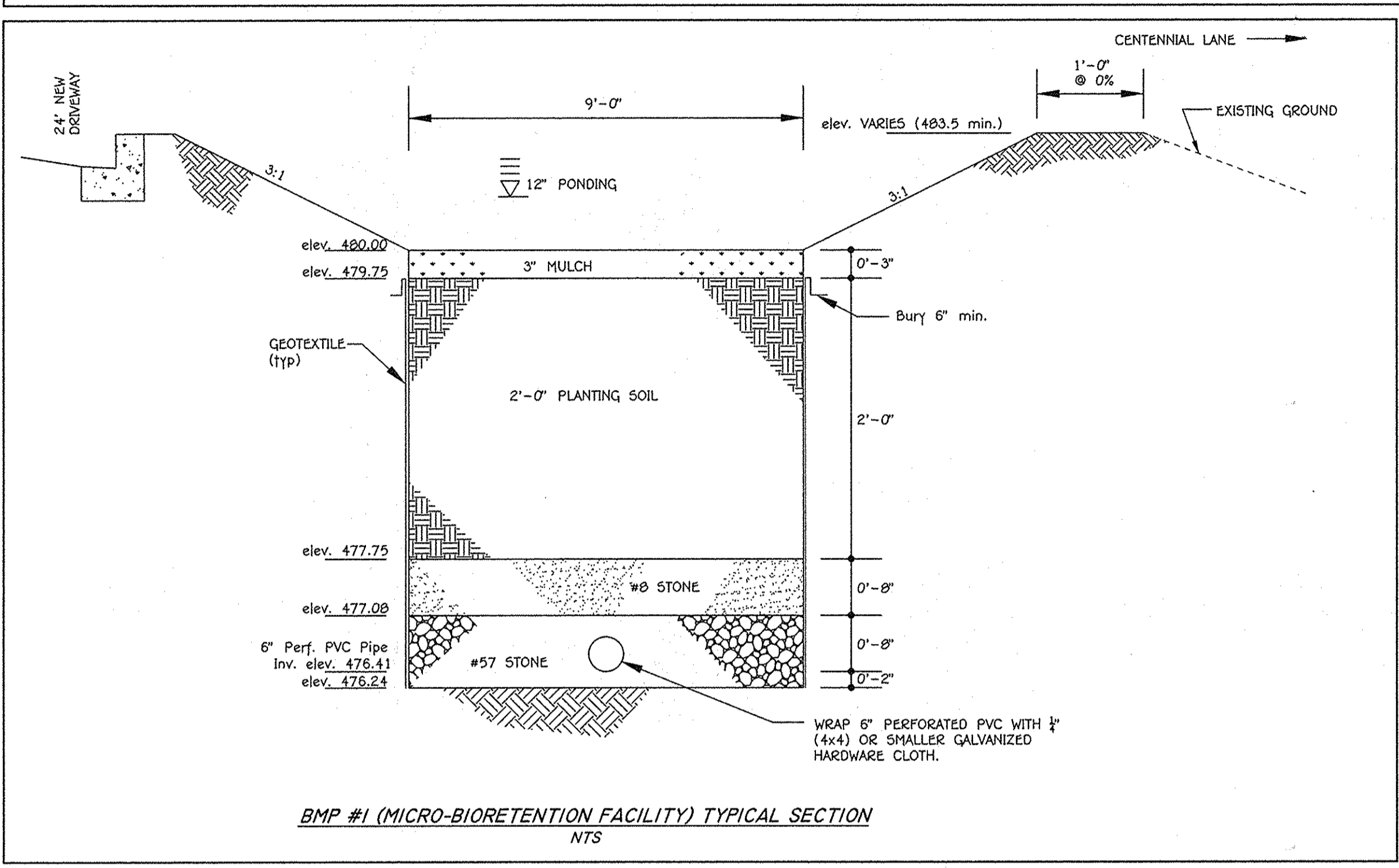
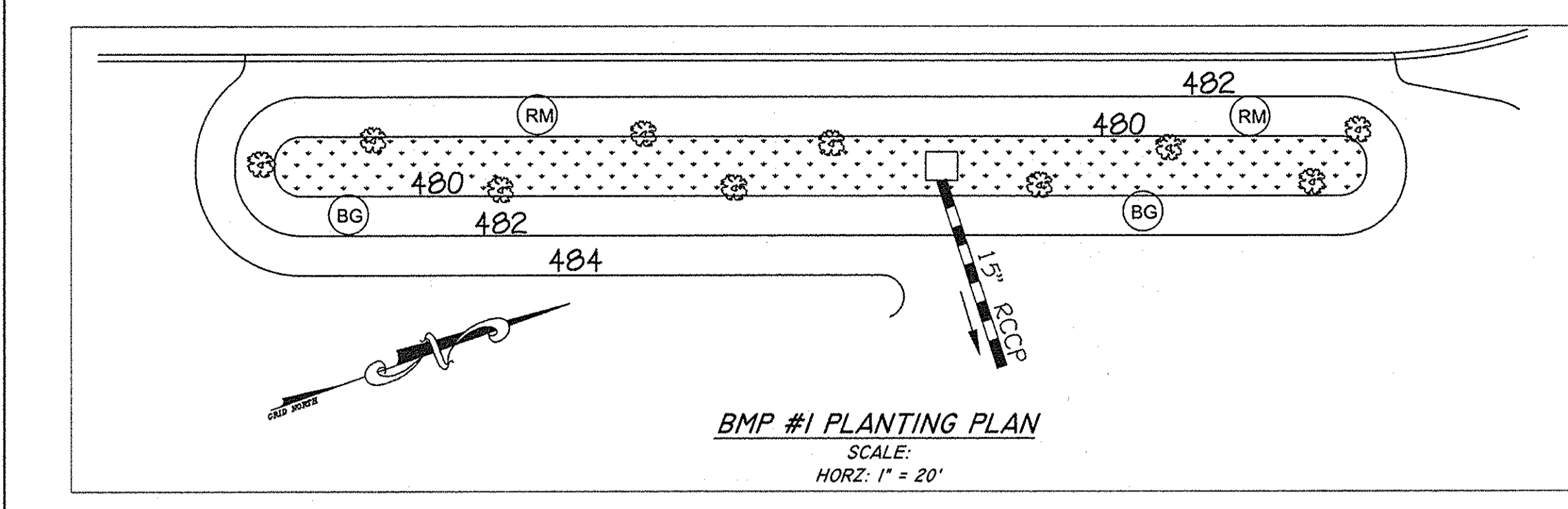
6.12.14 **REVISION SHEET TOTAL**
 7-6-10 NEW STORM DRAIN PROFILES
 DATE DESCRIPTION REVISION BLOCK
 APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Director - Department of Planning and Zoning
 Chief, Planning and Development
 Chief, Development Engineering Division

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

SMG ARCHITECTS
 SICHAMU MACHOWSKI GRECO ARCHITECTS, INC.
 1016 MORTON STREET, BALTIMORE, MD 21201
 TEL 410.685.3582 FAX 410.625.4790

Address Chart
 Parcel Number Street Address
 P. 291 4300 CENTENNIAL LANE
 ELLICOTT CITY, MD. 21042

STORM DRAIN PROFILES
 "REVISED SITE DEVELOPMENT PLAN" CENTENNIAL HIGH SCHOOL
 DANCE STUDIO ADDITION AND PARKING LOT RECONFIGURATION
 PARCEL No.: 291
 TAX MAP No.: 24 GRID No.: 19
 TAX MAP No.: 30 GRID No.: 1
 HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: DECEMBER 7, 2010
 SHEET 35 OF 40
 SDP-75-86



BMP #1 MICRO-BIORETENTION PLANTING SCHEDULE

PLANT NAME	FORM	QUANTITY	SYMBOL
SWITCH GRASS (<i>panicum virgatum</i>)	Grass	180 Qts ^a	(RM)
FOX SEDGE (<i>carex vulpinoidea</i>)	Grass	180 Qts ^a	(BG)
RED MAPLE (<i>acer rubrum</i>)	Tree (4'-6", 1" cal.)	2	(RM)
BLACKGUM (<i>nyssa sylvatica</i>)	Tree (5'-8", 1" cal.)	2	(BG)
RED OSIER DOGWOOD (<i>cornus sericea</i>)	Shrub	10	(RM)

BMP #2 MICRO-BIORETENTION PLANTING SCHEDULE

PLANT NAME	FORM	QUANTITY	SYMBOL
SWITCH GRASS (<i>panicum virgatum</i>)	Grass	100 Qts ^a	(RM)
FOX SEDGE (<i>carex vulpinoidea</i>)	Grass	100 Qts ^a	(BG)
RED MAPLE (<i>acer rubrum</i>)	Tree (4'-6", 1" cal.)	2	(RM)
BLACKGUM (<i>nyssa sylvatica</i>)	Tree (5'-8", 1" cal.)	2	(BG)
RED OSIER DOGWOOD (<i>cornus sericea</i>)	Shrub	6	(RM)

^a Plant BMP level surface only. Distribute evenly. NOTE: Stabilize side slopes w/ permanent grass seed per NRCS regs.

- BIORETENTION BMP NOTES AND SPECIFICATIONS**
- REFER TO THE 2000 MARYLAND SWM DESIGN MANUAL FOR BIORETENTION SPECIFICATIONS (PG. B.3.7) NOT LISTED HEREIN AND FOR ADDITIONAL INFORMATION.
 - THE BIORETENTION BMP MATERIALS ARE AS FOLLOWS:
 - PLANTING SOIL: SHALL MEET PLANTING SOIL SPECIFICATIONS OUTLINED IN MDE'S 2000 SWM MANUAL. SEE PLANTING SCHEDULE THIS SHEET FOR VEGETATION STABILIZATION.
 - SAND: ASTM C33 "CONCRETE SAND" - VERY CLEAN; FREE OF ALL DIRT AND DEBRIS.
 - PVC PIPE: SCHEDULE 40. PERFORATED PORTION TO BE HAVE NO SLOPE (0.0%).
 - STONE AGGREGATE: MSHA SPECIFICATIONS AS SPECIFIED ON TYPICAL SECTION; AGGREGATE MUST BE FREE OF FINES, DIRT AND DEBRIS.
 - GEOTEXTILE: PER MDE SWM MANUAL OR MIRAFI 140N.
 - MULCH: SHREDDDED, WELL-AGED (6-12 MONTHS) HARDWOOD MULCH; NO WOOD CHIPS OR PINE MULCH.
 - THE CONTRACTOR SHALL UNDER NO CIRCUMSTANCES ALLOW SURFACE DRAINAGE INTO THE MICRO-BIORETENTION BMPs UNTIL ALL UPSTREAM AREAS HAVE BEEN STABILIZED (I.E., PAVED OR HAVE WELL-ESTABLISHED VEGETATION).
 - BOARDS SHALL NOT BE LEFT IN PLACE DURING THE CONSTRUCTION OF THE BIORETENTION BMP.
 - GEOTEXTILE (FILTER FABRIC) SHALL BE PLACED AGAINST EXCAVATED SURFACES. SCARIFY EARTH PRIOR TO GEOTEXTILE PLACEMENT. INSTALL GEOTEXTILE PER MANUFACTURER'S SPECIFICATIONS/RECOMMENDATIONS AND USE A 2 FT MINIMUM OVERLAP AND NOTCH ENDS WITH A 6" MINIMUM BURY OR EQUIVALENT ANCHORING METHOD.
 - THE CONTRACTOR SHALL OBTAIN INDEPENDENT CERTIFICATION THAT THE SOILS- AND OTHER MATERIALS MEET THE SPECIFICATIONS DURING THE AS-BUILT STAGE.
 - THE BIORETENTION FACILITIES SHALL BE VEGETATED (TOP LEVEL SURFACE ONLY) IN ACCORDANCE WITH THE PLANTING SCHEDULE.

OPERATION AND MAINTENANCE SCHEDULE FOR BIO-RETENTION BMP #1 AND #2

THE MICRO-BIORETENTION FACILITIES SHALL BE INSPECTED AT LEAST TWICE PER YEAR (ONCE EACH IN THE SPRING AND FALL) AND AFTER HEAVY STORMS. THE OWNER IS RESPONSIBLE FOR MAINTAINING A DETAILED LOG OF THE MAINTENANCE INSPECTION FINDINGS AND A HISTORY OF THE COMPLETED WORK. THE LOG SHALL BE MADE AVAILABLE TO HOWARD COUNTY DPZ AND/OR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UPON REQUEST.

MICRO-BIORETENTION FACILITY COMPONENTS TO BE INSPECTED AND MAINTAINED INCLUDE THE ITEMS AS FOLLOWS:

- PLANT MATERIAL: PLANTS SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION. REMOVE AND REPLACE DEAD OR DYING VEGETATION CONSIDERED BEYOND TREATMENT (SEE NOTE BELOW). MAINTENANCE ALSO INCLUDES PRUNING, AND REPLACEMENT OF DEFICIENT STAKES AND WIRE.
 - MULCH LAYER: SHALL BE REPLACED ONCE EVERY SPRING DUE TO THE HEAVY METALS GENERATED FROM THE PARKING LOT. THE OWNER SHALL PROPERLY DISPOSE OF THE OLD MULCH SO AS NOT TO CAUSE STORMWATER CONTAMINATION ELSEWHERE. WASHED OUT AREAS SHALL BE REPAIRED AS NECESSARY.
 - SOIL LAYER: SHOULD STORMWATER POND FOR MORE THE 48 HOURS, THE TOP 6 INCHES (MINIMUM) OF THE SOIL LAYER SHALL BE REPLACED. THE OLD SOILS SHALL BE PROPERLY DISPOSED.
 - SPILLWAY OUTFALL, INTERIOR SLOPES: ERODED AREAS SHALL BE REPAIRED (FILLED IN AND SEEDED) AS NEEDED. BARE AREAS SHALL BE TREATED AND RE-SEEDED.
 - INLET: REPAIR CRACKS, DAMAGED CONCRETE, ETC. AS NECESSARY.
 - REMOVE AND PROPERLY DISPOSE ACCUMULATED SEDIMENT GREATER THAN ONE (1) INCH.
- NOTES:
1. IF SPECIFIC PLANTS ARE NOT SURVIVING, THE PLANT TYPE SHOULD CHANGED TO BETTER SUITED SPECIES.
2. PLANT WATERING MAY BE NEEDED DURING PROLONGED DRY PERIODS.

**CENTENNIAL HIGH SCHOOL
BLDG ADDITION & PARKING LOT RECONFIGURATION
STORMWATER MANAGEMENT SUMMARY TABLE**

	BMP#1		BMP#2		Method
	Required (cf)	Provided (cf)	Required (cf)	Provided (cf)	
ESD _v	1,432 ^a	1,970	881 ^a	1,120	Micro-Bioretention (M-6)
Re _v	79	97.9	49	55.1	Storage in voids in the aggregate below the micro-bioretention underdrain invert
Cp _v	Provided with the ESD _v				

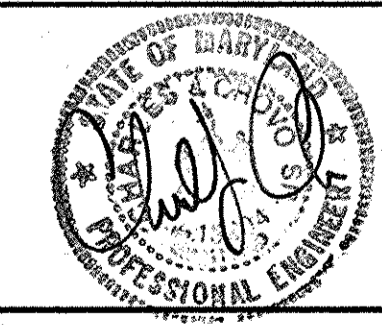
SUMMARY OF PEAK DISCHARGES
BMP #1: RCN = 88, tc = 0.1hr, DA = 0.66 Ac.; Imperv. Area = 0.30 Ac.
BMP #2: RCN = 90, tc = 0.1hr, DA = 0.35 Ac.; Imperv. Area = 0.19 Ac.

	BMP #1	BMP #2
Q ₂	1.9 cfs @ WSE 481.21	1.1 cfs @ WSE 483.12
Q ₁₀	3.5 cfs @ WSE 481.32	1.9 cfs @ WSE 483.21
Q ₁₀₀	5.2 cfs @ 481.42	2.8 cfs @ 483.28

^a These values reflect the minimum ESD_v minus the required Re_v. See calculations in Appendix B.

GENERAL STORMWATER MANAGEMENT NOTES

- STORMWATER MANAGEMENT HAS BEEN PROVIDED WITH TWO (2) MICRO-BIORETENTION FACILITIES. PLEASE REFER TO THE SWM REPORT PREPARED BY FISHER, COLLINS, & CARTER, INC. DATED SEPTEMBER 9, 2010.
- ALL CONSTRUCTION SHALL MEET THE LATEST EDITION OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS, SMALL EARTHEN DAM SPECIFICATION MD-37B, AND THE MARYLAND DEPARTMENT OF THE ENVIRONMENT'S CURRENT 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.
- CONTRACTOR SHALL NOTIFY M55 UTILITY 1-800-257-7777 AND THE HOWARD COUNTY DEPARTMENT OF INSPECTION LICENSES & PERMITS THREE (3) WORKING DAYS BEFORE BEGINNING CONSTRUCTION.
- FISHER, COLLINS & CARTER, INC. 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 BMP MAY BE GRADED, HOWEVER, THE PLANTING SOIL IN THE BMP SHALL NOT BE INSTALLED UNTIL ALL UPSTREAM AREAS HAVE BEEN STABILIZED (I.E., THICK GRASS COVER, OR PAVED).
- THE STORMWATER MANAGEMENT MICRO-BIORETENTION BMPs SHOWN ON THIS SHEET WILL BE PRIVATELY OWNED AND MAINTAINED.



NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW BMP (MICRO-BIORETENTION) FACILITY NOTES AND DETAILS.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10072 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21114
(410) 461-2095

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.
Approved By: *[Signature]* Date: 3/28/14
Capacity: 16166

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 12/21/10
Director - Department of Planning and Zoning
[Signature] 12/21/10
Chief, Division of Land Development
[Signature] 12/17/10
Chief, Development Engineering Division

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

SMG ARCHITECTS
1016 MORTON STREET,
BALTIMORE, MD 21201
TEL 410.685.3582
FAX 410.625.4790

Address Chart

Parcel Number	Street Address
P. 291	4300 CENTENNIAL LANE
ELLICOTT CITY, MD. 21042	

PROJECT	SECTION/AREA	PARCELS
CENTENNIAL HIGH SCHOOL	-	291
DEED REF.	BLOCK NO.	ZONE
	19, 1	R-20
TAX MAP	ELEC. DIST.	CENSUS TR.
24, 30	SECOND	6023.03
WATER CODE	SEWER CODE	

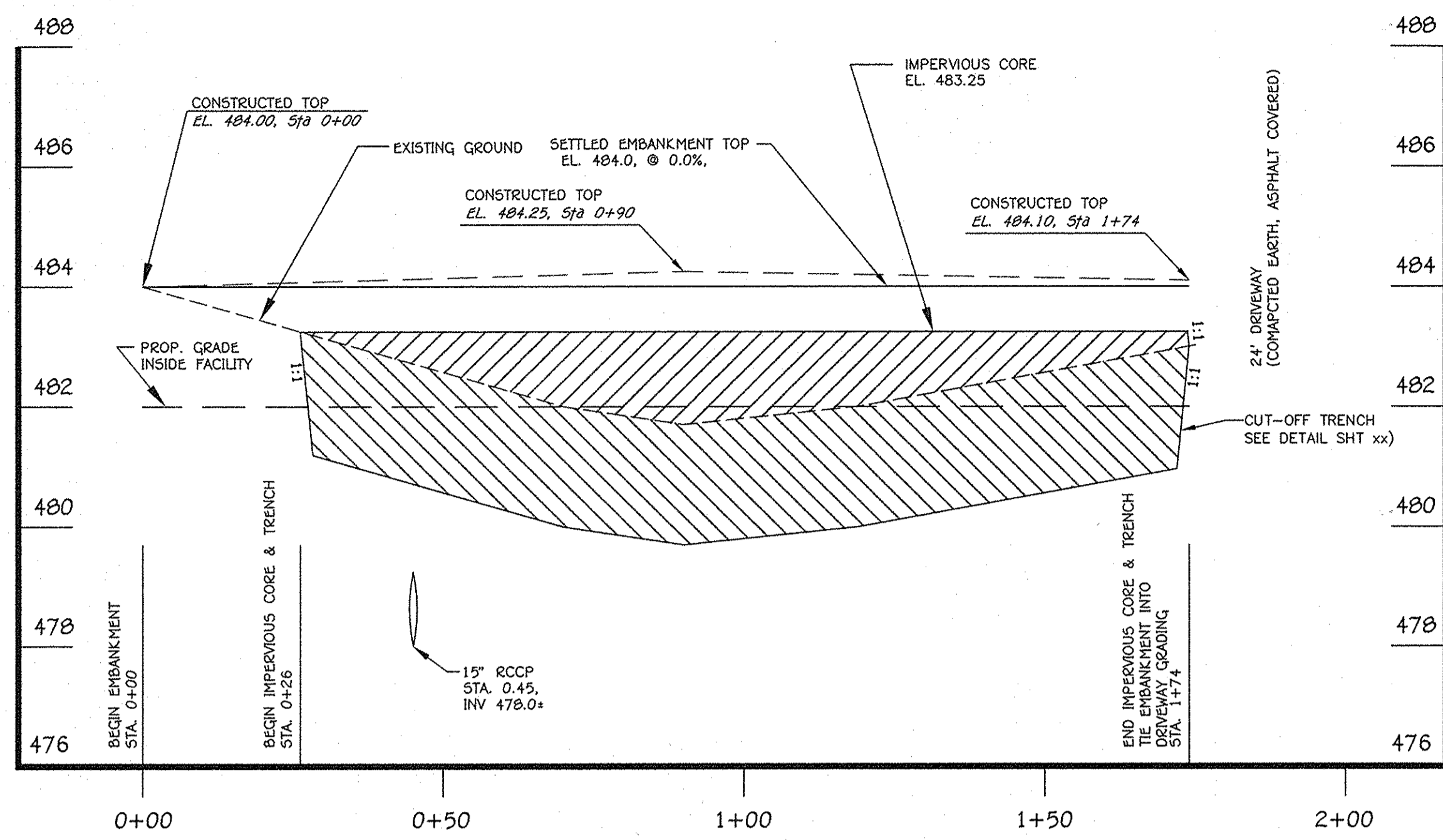
BMP (MICRO-BIORETENTION) FACILITY NOTES & DETAILS

"REVISED SITE DEVELOPMENT PLAN" CENTENNIAL HIGH SCHOOL

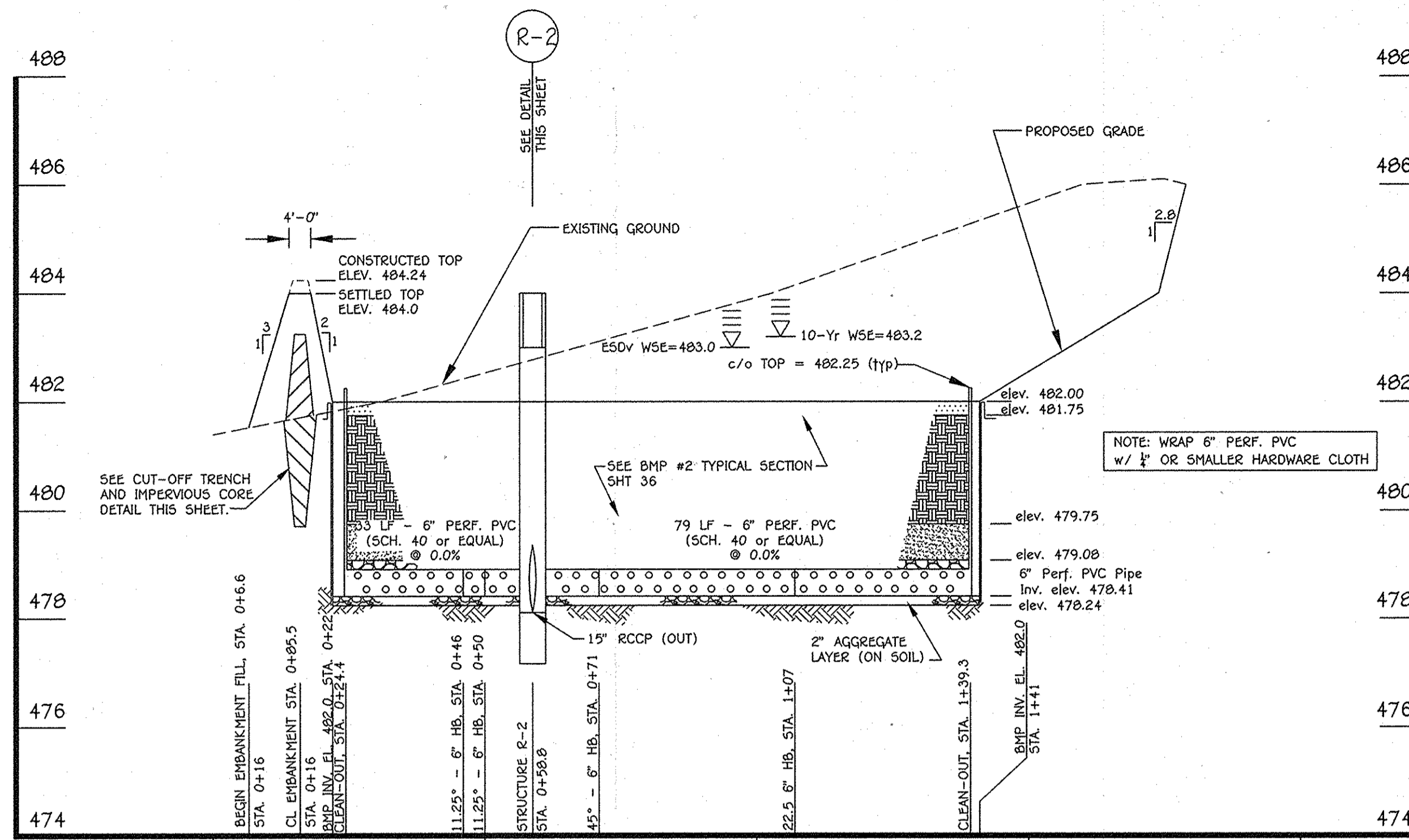
DANCE STUDIO ADDITION AND PARKING LOT RECONFIGURATION

PARCEL No.: 291
TAX MAP No.: 24 GRID No.: 19
TAX MAP No.: 30 GRID No.: 1
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: DECEMBER 7, 2010
SHEET 36 OF 40
SDP-75-86

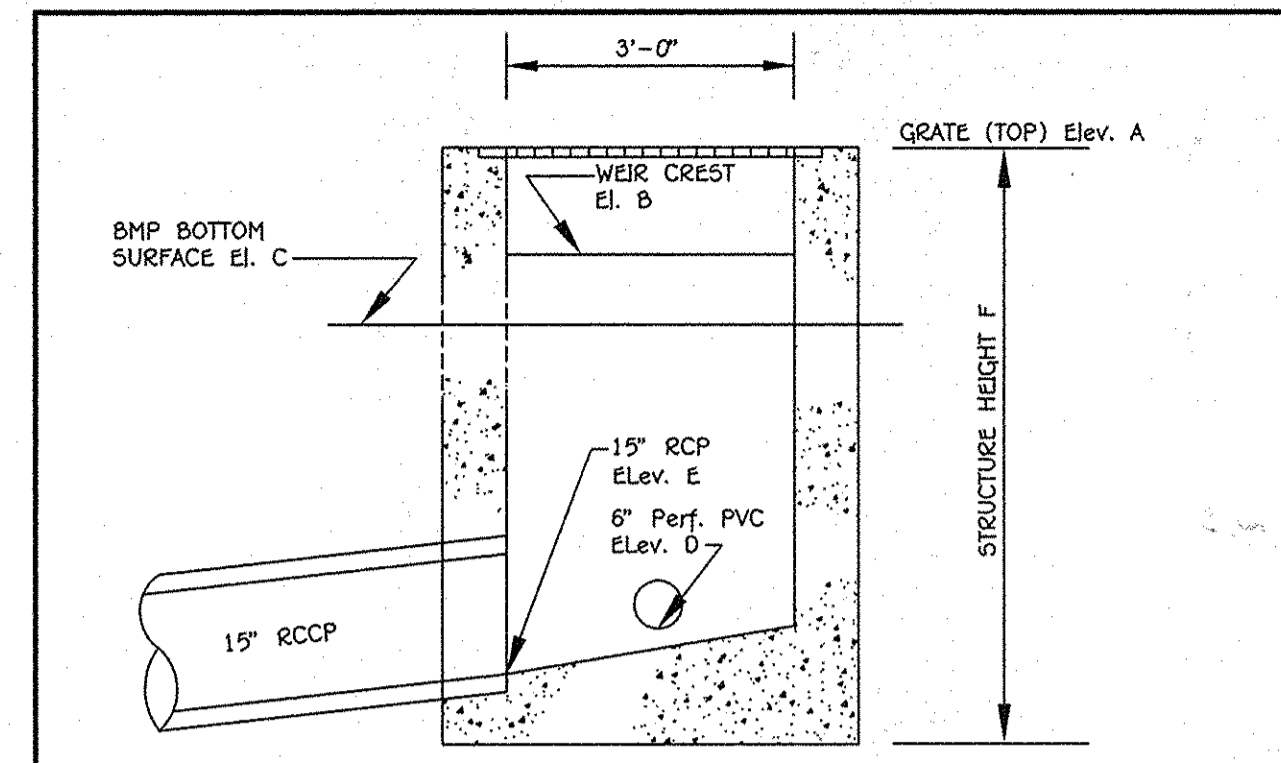
K:\SDP\03016147.dwg(147) SDP SWM DETAILS.dwg, Model, 12/8/2010 7:50:27 AM, 1/20



BMP #2 (MICRO-BIORETENTION) CENTERLINE EMBANKMENT PROFILE
 SCALE:
 HORZ. 1" = 20'
 VERT. 1" = 2'



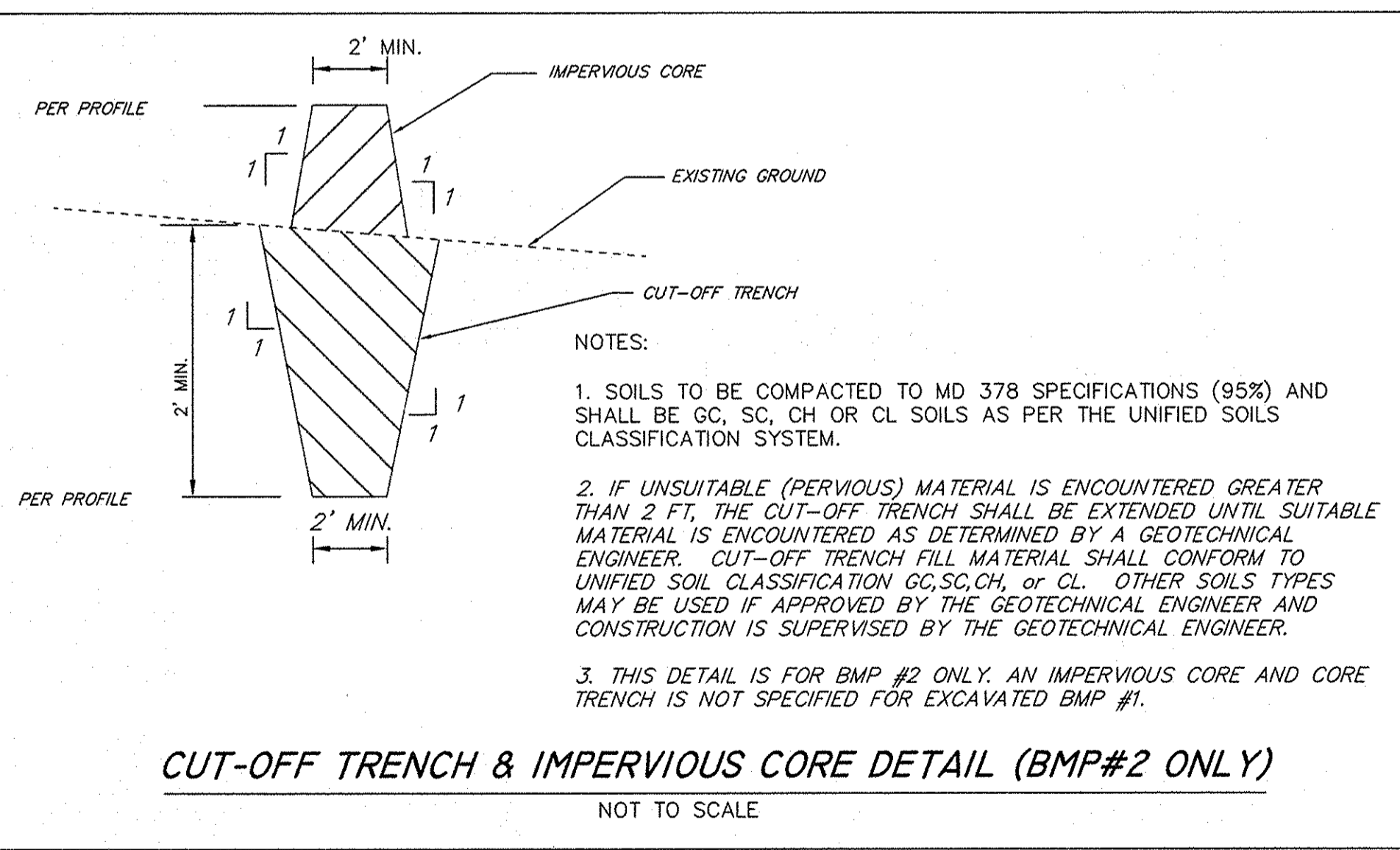
BMP #2 UNDERDRAIN OUTFALL PROFILE
 SCALE:
 HORZ. 1" = 20'
 VERT. 1" = 2'



- NOTES:
 1. USE FOR BMP RISERS R-1 AND R-2.
 2. SEE MSHA STD DETAIL MD-378.05 FOR INFORMATION NOT SHOWN ABOVE.
 3. USE DOUBLE OPENING WITH NO CONCRETE GUTTER APPROACHES.
 4. PVC UNDERDRAIN MAY ENTER INLET AT AN ANGLE TO MAINTAIN IN CENTER OF BMP.

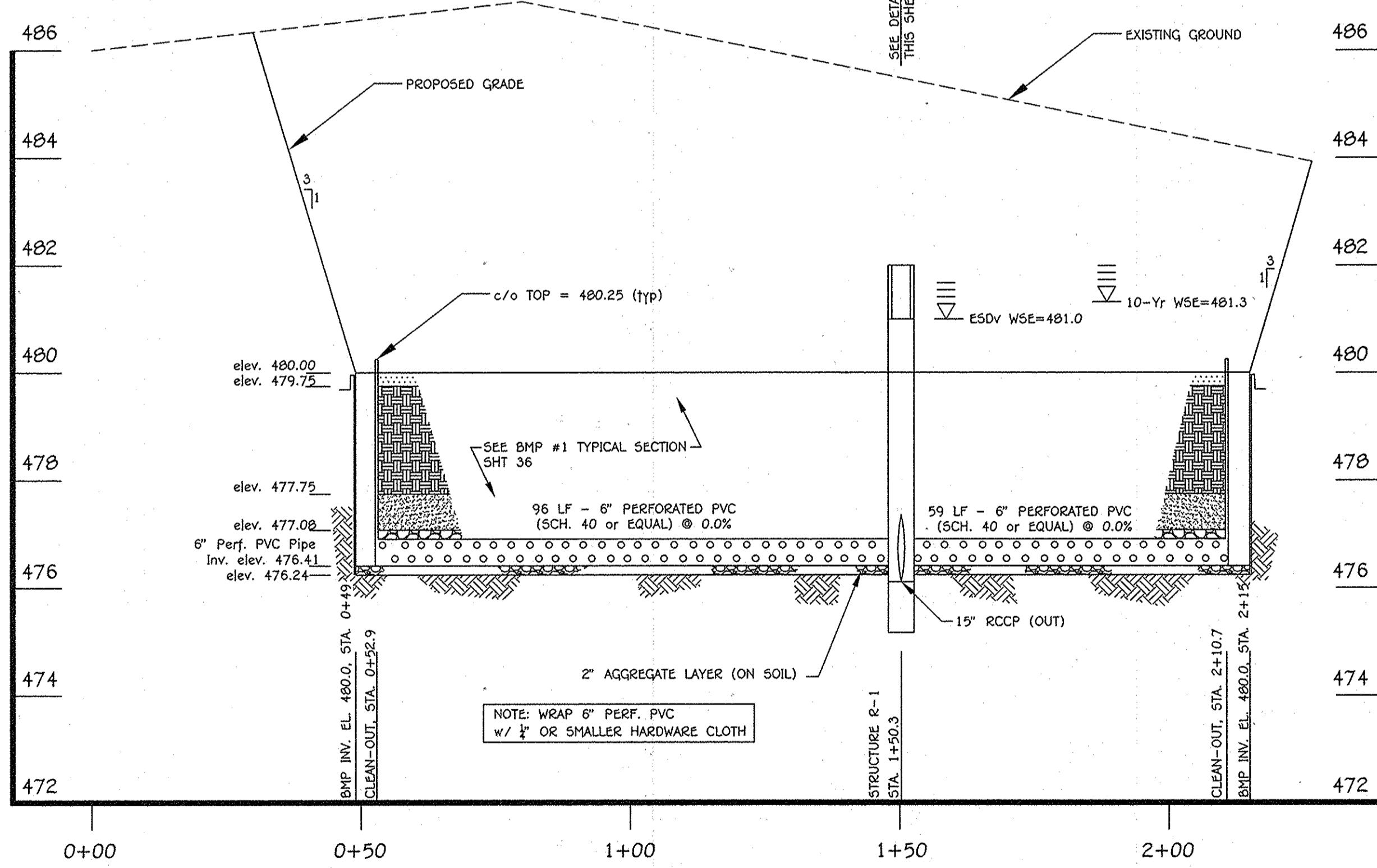
R-1 and R-2 ELEVATION TABLE			
	R-1 (BMP#1)	R-2 (BMP #2)	
ELEV. A	482.00	484.00	Top of Grate
ELEV. B	481.00	483.00	Weir Crest
ELEV. C	480.00	482.00	BMP Invert
ELEV. D	476.41	478.41	6" Perf. PVC
ELEV. E	476.11	478.11	15' RCCP Invert Out
ELEV. F	6'-10"	6'-10"	Structure Total Height

MODIFIED K-INLET TYPICAL SECTION FOR STRUCTURES R-1 and R-2
 NTS



- NOTES:
 1. SOILS TO BE COMPACTED TO MD 378 SPECIFICATIONS (95%) AND SHALL BE GC, SC, CH OR CL SOILS AS PER THE UNIFIED SOILS CLASSIFICATION SYSTEM.
 2. IF UNSUITABLE (PERVIOUS) MATERIAL IS ENCOUNTERED GREATER THAN 2 FT. THE CUT-OFF TRENCH SHALL BE EXTENDED UNTIL SUITABLE MATERIAL IS ENCOUNTERED AS DETERMINED BY A GEOTECHNICAL ENGINEER. CUT-OFF TRENCH FILL MATERIAL SHALL CONFORM TO UNIFIED SOIL CLASSIFICATION GC, SC, CH, OR CL. OTHER SOILS TYPES MAY BE USED IF APPROVED BY THE GEOTECHNICAL ENGINEER AND CONSTRUCTION IS SUPERVISED BY THE GEOTECHNICAL ENGINEER.
 3. THIS DETAIL IS FOR BMP #2 ONLY. AN IMPERVIOUS CORE AND CORE TRENCH IS NOT SPECIFIED FOR EXCAVATED BMP #1.

CUT-OFF TRENCH & IMPERVIOUS CORE DETAIL (BMP#2 ONLY)
 NOT TO SCALE



BMP #1 UNDERDRAIN OUTFALL PROFILE
 SCALE:
 HORZ. 1" = 20'
 VERT. 1" = 2'



NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW BMP (MICRO-BIORETENTION) FACILITY PROFILES AND DETAILS.

OPERATION AND MAINTENANCE SCHEDULE FOR LANDSCAPE INFILTRATION (M-3), MICRO-BIORETENTION (M-6), RAIN GARDENS (M-7), BIORETENTION SWALE (M-8), ENHANCED FILTERS (M-9)

- ANNUAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING. ACCEPTABLE REPLACEMENT PLANT MATERIAL IS LIMITED TO THE FOLLOWING: 2000 MARYLAND STORMWATER DESIGN MANUAL VOLUME II, TABLE A.4.1 AND 2.
- SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, TREATMENT OF ALL DISEASED TREES AND SHRUBS AND REPLACEMENT OF ALL DEFICIENT STAKES AND WIRES.
- MULCH SHALL BE INSPECTED EACH SPRING. REMOVE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER ONCE EVERY 2 TO 3 YEARS.
- SOIL EROSION TO BE ADDRESSED ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORM EVENTS.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21114
 (410) 461-2055

Professional Certification. I hereby certify that these drawings 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. 16150, Expiration Date: 8-28-14

6-12-14 REVISED SHEET TOTAL
 7-6-10 ADDED BMP FACILITY PROFILES AND DETAILS
 DATE DESCRIPTION REVISION BLOCK
 APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Director - Department of Planning and Zoning
 Chief, Division of Land Development
 Chief, Development Engineering Division

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

SCHAMU MACHOWSKI GRECO ARCHITECTS, INC.
 1016 MORTON STREET,
 BALTIMORE, MD 21201
 TEL 410.685.3582
 FAX 410.625.4790

Address Chart
 Parcel Number Street Address
 P. 291 4300 CENTENNIAL LANE
 ELLICOTT CITY, MD. 21042

PROJECT: CENTENNIAL HIGH SCHOOL
 SECTION/AREA: - PARCELS: 291
 DEED REF. BLOCK NO. ZONE TAX MAP ELEC. DIST. CENSUS TR.
 19, 1 R-20 24, 30 SECOND 6023.03
 WATER CODE SEWER CODE

BMP (MICRO-BIORETENTION) FACILITY PROFILES & DETAILS
"REVISED SITE DEVELOPMENT PLAN" CENTENNIAL HIGH SCHOOL
 DANCE STUDIO ADDITION AND PARKING LOT RECONFIGURATION
 PARCEL No.: 291
 TAX MAP No.: 24 GRID No.: 19
 TAX MAP No.: 30 GRID No.: 1
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: DECEMBER 7, 2010
 SHEET 37 OF 50
 5DP-75-86



SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	EXISTING SAN. SEWER LINE
---	EXISTING STORM DRAIN LINE
---	EXISTING WATER LINE
X	EXISTING FENCE
---	PROPOSED CONTOUR 2' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
+	SPOT ELEVATION
---	PROPOSED CONCRETE WALK
---	PROPOSED MACADAM PAVING
---	PROPOSED STORM DRAIN LINE
---	LIMIT OF DISTURBANCE
---	TREE PROTECTION FENCE
---	LIGHT POLE

CENTENNIAL HIGH SCHOOL
 ▶ DENOTES BUILDING INGRESS/EGRESS POINTS

BURLEIGH MANOR MIDDLE SCHOOL
 ▶ DENOTES BUILDING INGRESS/EGRESS POINTS

Note: This plan is intended for landscape use only. See other plan sheets for more information on grading, sediment control, layout, etc.

NOTE: TREE AND SHRUB TYPES ARE ONLY A RECOMMENDATION, THESE MAY BE REVISED TO A COUNTY APPROVED EQUIVALENT FROM THE HOWARD COUNTY LANDSCAPE MANUAL. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.

NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW THE PARKING LOT IMPROVEMENTS WITH LANDSCAPING.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2095

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.

BRUCE GIST
 Director
 12/21/10
 Date

LANDSCAPE CERTIFICATION

I/We certify that the landscaping shown on this plan will be done according to the approved plan, Section 16.124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion a letter of landscape installation accompanied by an executed one year guarantee of plant materials will be submitted to the Department of Planning and Zoning.

BRUCE GIST
 DIRECTOR SCHOOL PLANNING & CONSTRUCTION
 12/21/10
 Date

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Monica S. Butler
 Director - Department of Planning and Zoning
 12/21/10
 Date

Kevin S. ...
 Chief, Development Engineering Division
 12/21/10
 Date

PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 10910 Maryland Route 100
 Ellicott City, Maryland 21042
 Attention: Bruce Gist
 410-313-6805

SMG ARCHITECTS

SCHAMU MACHOWSKI GREGO ARCHITECTS, INC.
 1016 MORTON STREET,
 BALTIMORE, MD 21201
 TEL 410.685.3582
 FAX 410.625.4790

Address Chart	
Parcel Number	Street Address
P. 291	4300 CENTENNIAL LANE ELLICOTT CITY, MD. 21042

PROJECT	SECTION/AREA	PARCELS
CENTENNIAL HIGH SCHOOL	-	291

DEED REF.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
-	19, 1	R-20	24, 30	SECOND	6023.03

LANDSCAPE PLAN

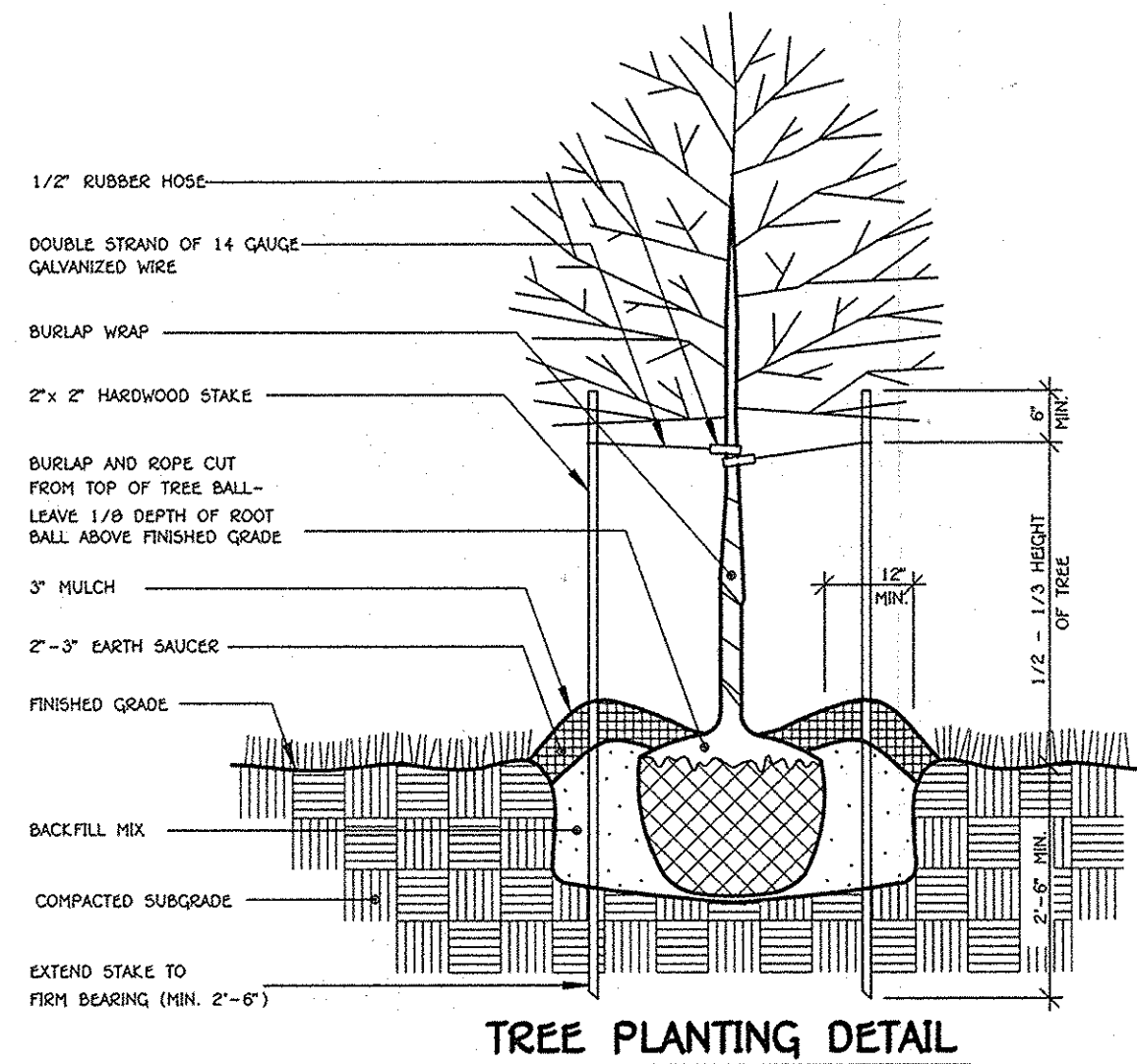
"REVISED SITE DEVELOPMENT PLAN" CENTENNIAL HIGH SCHOOL

DANCE STUDIO ADDITION AND PARKING LOT RECONFIGURATION

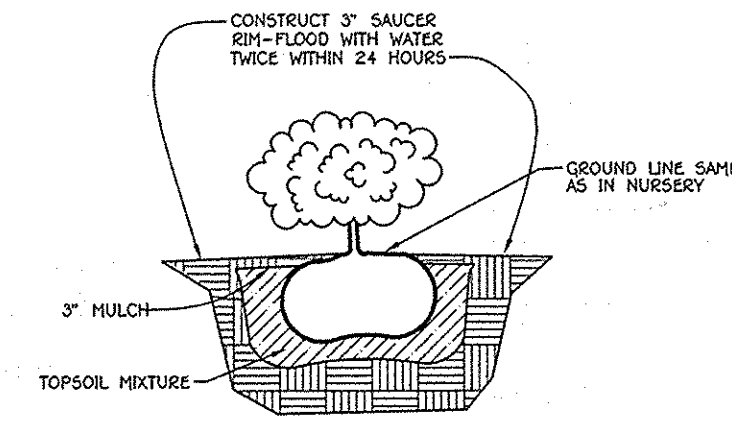
PARCEL No.: 291
 TAX MAP No.: 24 GRID No.: 19
 TAX MAP No.: 30 GRID No.: 1
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 40' DATE: DECEMBER 7, 2010

SHEET 38 OF 46 **5DP-75-86**

K:\5DP\PROJ\6147\DWG\6147_5DP_LANDSCAPE.DWG, LANDSCAPE.PLC, 12/27/2010 3:02:24 PM, 11



TREE PLANTING DETAIL



SHRUB PLANTING DETAIL

SCHEDULE B PARKING LOT INTERNAL LANDSCAPING	
NUMBER OF PARKING SPACES	463
NUMBER OF TREES REQUIRED (1/20 SP)	24
NUMBER OF TREES PROVIDED	
SHADE TREES	24
OTHER TREES (2:1 SUBSTITUTION)	-

LANDSCAPE LEGEND					
SYMBOL	QTY.	BOTANICAL AND COMMON NAME	SIZE	COMMENTS	
EA ⊗	157	EDONYPAS KANTICAVIUS MANHATTAN EDONYPAS	24" - 30" HEIGHT	18" - 24" SPACING	
AG ⊗	51	ABELIA X GRANDIFLORA GLOSSY ABELIA	24" - 30" HEIGHT	18" - 24" SPACING	
GL ⊕	4	CARPINUS CAROLINIANA AMERICAN HORNBEAM	2 1/2 - 3" CAL.	SHADE	
AS ⊙	8	CORNUS FLORIDA WHITE FLOWERING DOGWOOD	8" - 10" HEIGHT	ORNAMENTAL	
TC ⊕	10	TILIA CORDATA 'GREENSPIRE' GREENSPIRE LITTLELEAF LINDEN	2 1/2 - 3" CAL.	SHADE	
QR ⊙	4	QUERCUS RUBRA RED OAK	2 1/2 - 3" CAL.	SHADE	
AP ⊕	10	ACER ROBRUM RED SUNSET RED MAPLE	2 1/2 - 3" CAL.	SHADE	
ER ⊙	6	CERCIS CANADENSIS EASTERN REDBUD	1 1/2 - 2" CAL.	ORNAMENTAL	
RC ⊕	3	JUNIPERUS VIRGINIANA CULTIVERS RED CEDAR	6" - 8" HEIGHT	EVERGREEN	

SCHEDULE A PERIMETER LANDSCAPE EDGE												
PERIMETER	CATEGORY (PROPERTIES, ROADWAYS)	LANDSCAPE TYPE	LINEAR FEET OF ROADWAY FRONTAGE PERIMETER	CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NUMBER OF PLANTS REQUIRED			NUMBER OF PLANTS PROVIDED			
						SHADE TREES	EVERGREEN TREES	SHRUBS	SHADE TREES	ORNAMENTAL TREES	EVERGREEN TREES	SHRUBS
P-1	ADJACENT TO ROADWAY	E	826'	YES, 9 TREES	NO	21	-	207	4	14	3	208

"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. 13204, Expiration Date: November 3, 2008."

PLANTING NOTES:

- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124 OF HOWARD COUNTY CODE AND LANDSCAPE MANUAL AND IS TO BE USED FOR PLANTING ONLY. LANDSCAPING SHALL BE PROVIDED AS SHOWN ON THIS PLAN SHEET. NO SURETY IS REQUIRED SINCE THIS IS A HOWARD COUNTY BOARD OF EDUCATION PROJECT.
- CONTRACTOR SHALL NOTIFY ALL UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK. ALL GENERAL NOTES FROM SHEET 1, SHALL APPLY.
- FIELD VERIFY UNDERGROUND UTILITY LOCATIONS AND EXISTING CONDITIONS BEFORE STARTING PLANTING WORK, EVEN WHERE PLANT LOCATIONS ARE DIMENSIONED. CONTACT CONSTRUCTION MANAGER IF ANY RELOCATION ARE REQUIRED.
- PLANT QUANTITIES SHOWN ON PLANT LIST ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IF DISCREPANCIES EXIST BETWEEN QUANTITIES SHOWN ON THE PLAN AND THOSE SHOWN ON THE PLANT LIST, THE QUANTITIES ON THE PLAN SHALL TAKE PRECEDENCE.
- ALL PLANT MATERIALS SHALL BE FULL AND HEAVY, BE WELL FORMED AND SYMMETRICAL, CONFORM TO THE A.A.N. SPECIFICATIONS, AND BE INSTALLED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES BUT NOT OTHERWISE PLANTED, PAVED OR MULCHED SHALL BE SEEDED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- ALL EXPOSED EARTH WITHIN THE LIMITS OF THE PLANTING BEDS SHALL BE MULCHED WITH SHREDDED HARDWOOD MULCH PER PLANTING DETAILS.
- THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING IF SOIL OR DRAINAGE CONDITIONS ARE ENCOUNTERED WHICH MAY BE DETRIMENTAL TO THE GROWTH OF PLANTS.
- NO SUBSTITUTION SHALL BE MADE WITHOUT WRITTEN CONSENT OF THE OWNER OR HIS REPRESENTATIVE.
- REFER TO OTHER SITE DWGS. FOR ADDITIONAL SEEDING REQUIREMENTS.

Note: THERE IS NO LANDSCAPING SURETY FOR THIS PLAN.

PLANTING SPECIFICATIONS

PLANTS, RELATED MATERIAL AND OPERATIONS SHALL MEET THE DETAILED DESCRIPTION AS GIVEN ON THE PLANS AND AS DESCRIBED HEREIN.

ALL PLANT MATERIAL, UNLESS OTHERWISE SPECIFIED, SHALL BE NURSERY GROWN, UNIFORMLY BRANCHED, HAVE A VIGOROUS ROOT SYSTEM, AND SHALL CONFORM TO THE SPECIES, SIZE, ROOT AND SHAPE SHOWN ON THE PLANT LIST AND THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN) STANDARDS. PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, FREE FROM DEFECTS, DECAY, DISFIGURING ROOTS, SUN SCALD INJURIES, ABRASIONS OF THE BARK, PLANT DISEASE, INSECT PEST EGGS, BORERS AND ALL FORMS OF INSECT INFESTATIONS OR OBJECTIONABLE DISFIGUREMENTS. PLANT MATERIAL THAT IS WEAK OR WHICH HAS BEEN CUT BACK FROM LARGER GRADES TO MEET SPECIFIED REQUIREMENTS WILL BE REJECTED. TREES WITH FORKED LEADERS WILL NOT BE ACCEPTED. ALL PLANTS SHALL BE FRESHLY DUG; NO HEALED-IN PLANTS FROM COLD STORAGE WILL BE ACCEPTED.

UNLESS OTHERWISE SPECIFIED, ALL GENERAL CONDITIONS, PLANTING OPERATIONS, DETAILS AND PLANTING SPECIFICATION SHALL CONFORM TO "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS", (HEREINAFTER "LANDSCAPE GUIDELINES") APPROVED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF METROPOLITAN WASHINGTON AND THE POTOMAC CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECT, LATEST EDITION, INCLUDING ALL AGENDA.

CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THE LANDSCAPE GUIDELINES. CONTRACTOR'S ATTENTION IS DIRECTED TO THE MAINTENANCE REQUIREMENTS FOUND WITHIN THE ONE YEAR SPECIFICATIONS INCLUDING WATERING AND REPLACEMENT OF SPECIFIED PLANT MATERIAL.

BID SHALL BE BASE ON ACTUAL SITE CONDITIONS. NO EXTRA PAYMENT SHALL BE MADE FOR WORK ARISING FROM SITE CONDITIONS DIFFERING FROM THOSE INDICATED ON DRAWINGS AND SPECIFICATIONS.

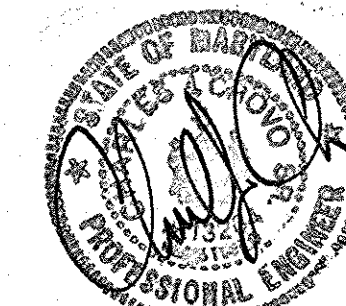
ALL SHRUBS SHALL BE PLANTED IN CONTINUOUS TRENCHES OR PREPARED PLANTING BEDS AND MULCHED WITH COMPOSTED HARDWOOD MULCH AS DETAILS AND SPECIFIED EXCEPT WHERE NOTED ON PLANS.

POSITIVE DRAINAGE SHALL BE MAINTAINED IN PLANTING BEDS 2 PERCENT SLOPE).

PLANTING MIX SHALL BE AS FOLLOWS: DECIDUOUS PLANTS - TWO PARTS TOPSOIL, ONE PART WELL-ROTTED COW OR HORSE MANURE, ADD 3 LBS. OF STANDARD FERTILIZER PER CUBIC YARD OF PLANTING MIX. EVERGREEN PLANTS - TWO PARTS TOPSOIL, ONE PART HUMUS OR OTHER APPROVED ORGANIC MATERIAL, ADD 3 LBS. OF EVERGREEN (ACIDIC) FERTILIZER PER CUBIC YARD OF PLANTING MIX. TOPSOIL SHALL CONFORM TO THE LANDSCAPE GUIDELINES.

WEED CONTROL: INCORPORATE A PRE-EMERGENT HERBICIDE INTO THE PLANTING BED FOLLOWING RECOMMENDED RATES ON THE LABEL. CAUTION: BE SURE TO CAREFULLY CHECK THE CHEMICAL USED TO ASSURE ITS ADAPTABILITY TO THE SPECIFIC GROUND COVER TO BE TREATED.

ALL AREAS WITHIN CONTRACT LIMITS DISTURBED DURING OR PRIOR TO CONSTRUCTION NOT DESIGNATED TO RECEIVE PLANTS AND MULCH SHALL BE FINE GRADED AND SEEDED.



NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW THE LANDSCAPING NOTES AND DETAILS.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461-2095

For REV. ONLY
STATE OF MARYLAND
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: 8-28-14

LANDSCAPE CERTIFICATION
I/We certify that the landscaping shown on this plan will be done according to the approved plan, Section 16.124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion a letter of landscape installation accompanied by an executed one year guarantee of plant materials will be submitted to the Department of Planning and Zoning.
Bruce Gist
BRUCE GIST
DIRECTOR SCHOOL PLANNING & CONSTRUCTION
12/10/08
Date

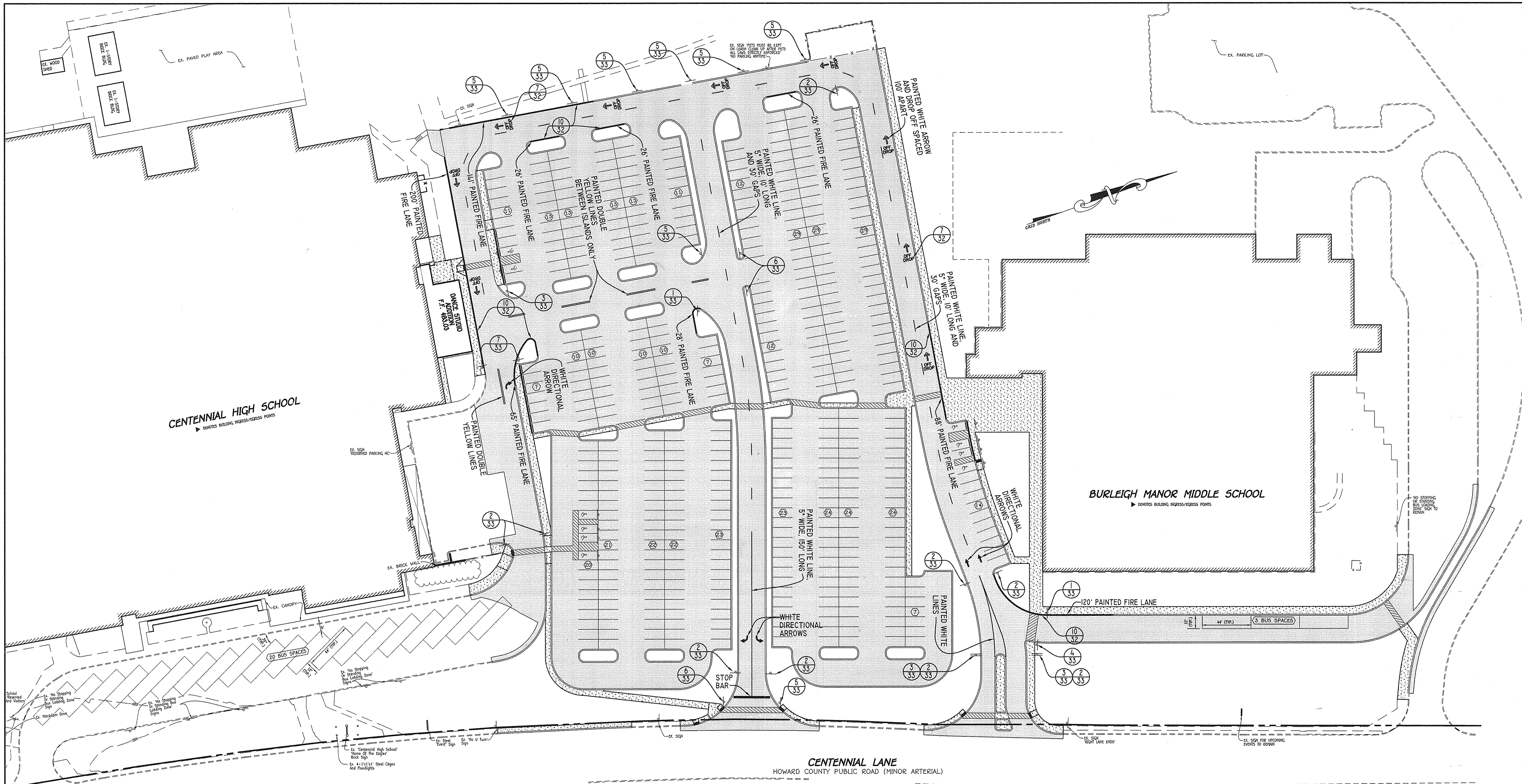
6-12-14 REVISED SHEET TOTAL
7-6-10 ADDED LANDSCAPING NOTES AND DETAILS
DATE DESCRIPTION REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING
Thomas E. Butler 12/23/10 Date
Director - Department of Planning and Zoning
Victor Schelomo 12/21/10 Date
Chief, Division of Land Development
William J. ... 12/17/10 Date
Chief, Development Engineering Division

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
10910 Maryland Route 108
Ellicott City, Maryland 21042
Attention Bruce Gist
410-315-6805
SMG
ARCHITECTS
SCHAMU MACHOWSKI GRECO
ARCHITECTS, INC.
1016 MORTON STREET,
BALTIMORE, MD 21201
TEL 410.685.3582
FAX 410.625.4790

Address Chart					
Parcel Number	Street Address				
P. 291	4300 CENTENNIAL LANE ELLICOTT CITY, MD. 21042				
PROJECT	SECTION/AREA	PARCELS			
CENTENNIAL HIGH SCHOOL	-	291			
DEED REF.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
	19, 1	R-20	24, 30	SECOND	6023.03
WATER CODE	SEWER CODE				

LANDSCAPE NOTES AND DETAILS
"REVISED SITE DEVELOPMENT PLAN"
CENTENNIAL HIGH SCHOOL
DANCE STUDIO ADDITION AND
PARKING LOT RECONFIGURATION
PARCEL No.: 291
TAX MAP No.: 24 GRID No.: 19
TAX MAP No.: 30 GRID No.: 1
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: DECEMBER 7, 2010
SHEET 39 OF 40
SDP-75-86

K:\526\603\6147\6147.dwg LANDSCAPING DETAILS.dwg, LANDSCAPING, 12/17/2010 3:18:42 PM, 1:1

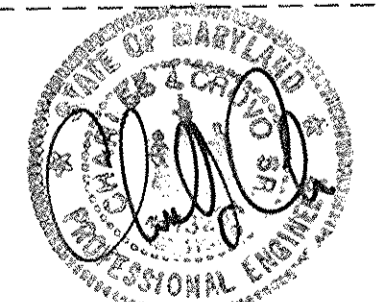


CENTENNIAL HIGH SCHOOL
 ▶ DENOTES BUILDING INGRESS/EGRESS POINTS

BURLEIGH MANOR MIDDLE SCHOOL
 ▶ DENOTES BUILDING INGRESS/EGRESS POINTS

CENTENNIAL LANE
 HOWARD COUNTY PUBLIC ROAD (MINOR ARTERIAL)

WATERFORD DRIVE



NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW STRIPING AND SIGNAGE FOR THE PARKING LOT IMPROVEMENTS.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2099



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. 16150 Expiration Date: 9-28-14

6-12-14	REVISED SHEET TOTAL	
DATE	DESCRIPTION	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
<i>Momas & Suble</i>	Director - Department of Planning and Zoning	12/21/10
<i>Viet Slavich</i>	Chief, Division of Land Development	12/21/10
<i>Chris Deussen</i>	Chief, Development Engineering Division	12/17/10

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

SCHAMU MACHOWSKI GRECO
 ARCHITECTS, INC.
 1016 MORTON STREET,
 BALTIMORE, MD 21201
 TEL 410.685.3582
 FAX 410.625.4790

Address Chart					
Parcel Number	Street Address				
P. 291	4300 CENTENNIAL LANE				
ELLICOTT CITY, MD. 21042					
PROJECT	SECTION/AREA	PARCELS			
CENTENNIAL HIGH SCHOOL	-	291			
DEED REF.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
	19, 1	R-20	24, 30	SECOND	6023.03
WATER CODE	SEWER CODE				

STRIPING AND SIGNAGE PLAN
"REVISED SITE DEVELOPMENT PLAN"
CENTENNIAL HIGH SCHOOL

DANCE STUDIO ADDITION AND
 PARKING LOT RECONFIGURATION

PARCEL No.: 291
 TAX MAP No.: 24 GRID No.: 19
 TAX MAP No.: 30 GRID No.: 1
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 40' DATE: DECEMBER 7, 2010

SHEET 40 OF 40 **SDP-75-86**

K:\526\0300\614747.dwg(61475) SDP SIGNAGE PLAN-1.dwg, SIGNAGE, 12/07/2010 8:13:22 AM, 1:1

CENTENNIAL HIGH SCHOOL FIELD IMPROVEMENTS

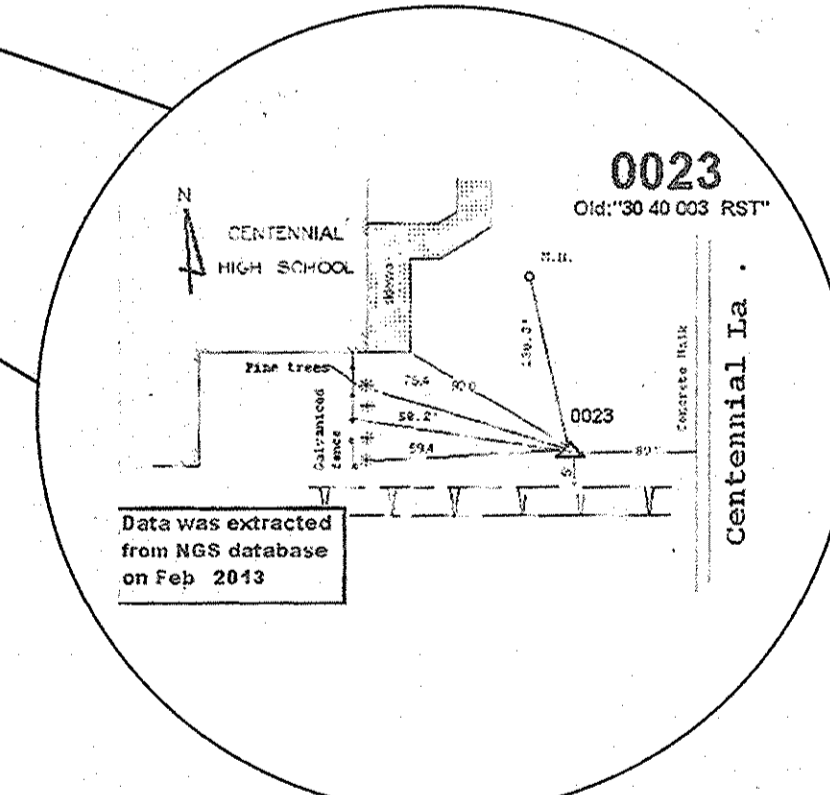
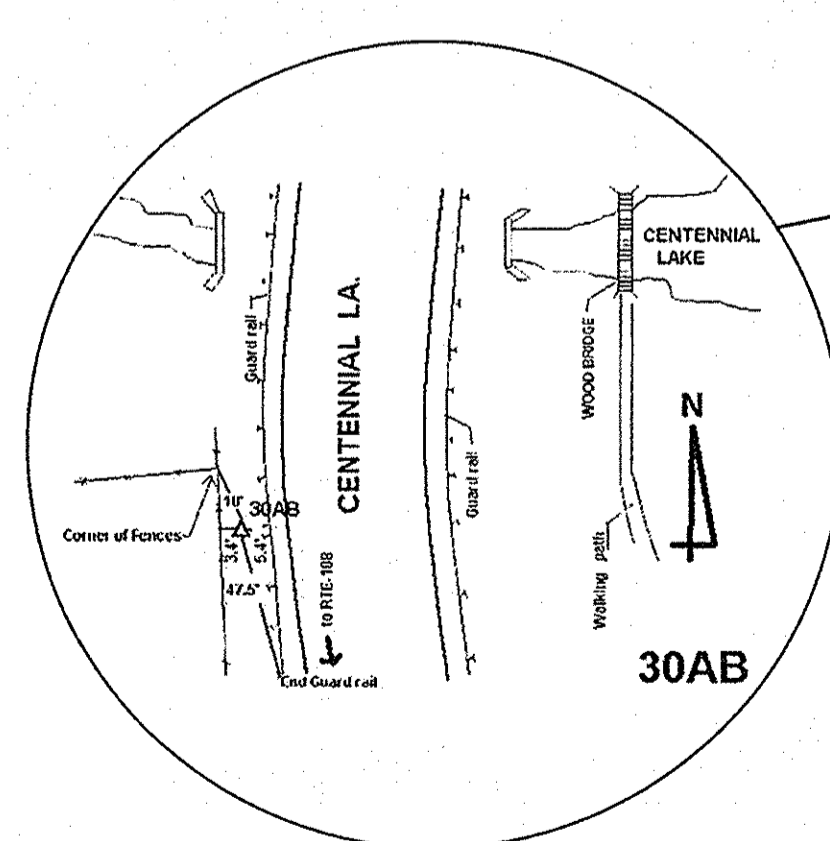
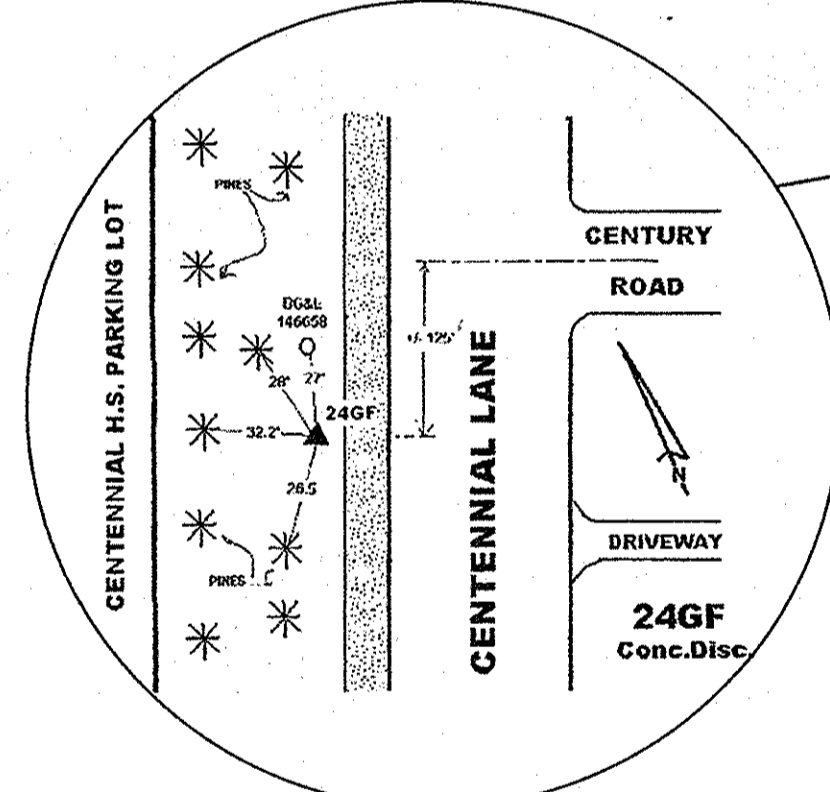
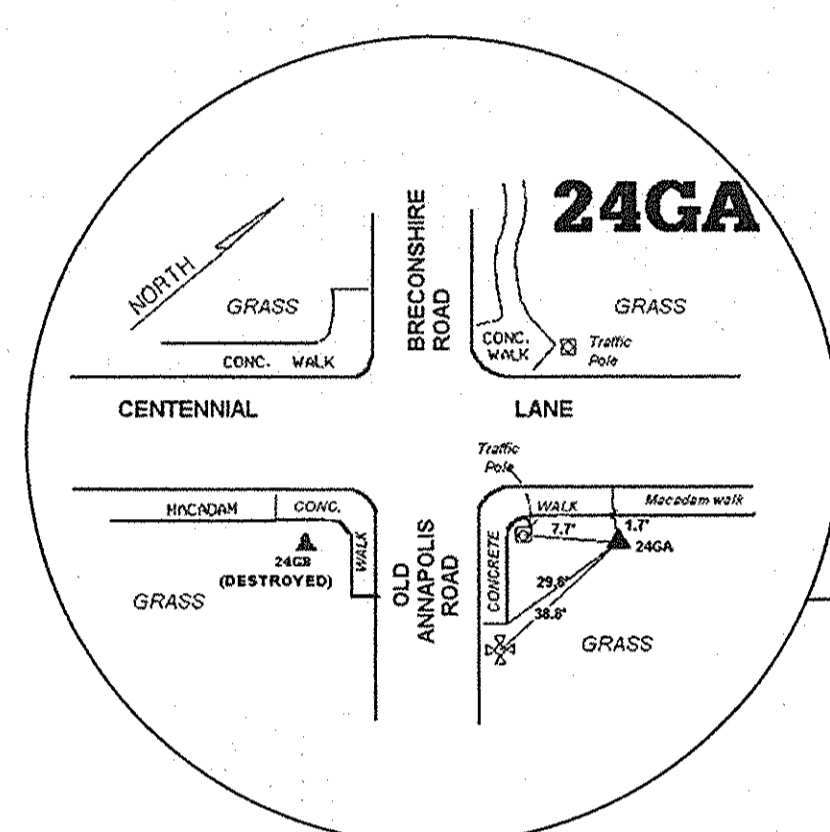
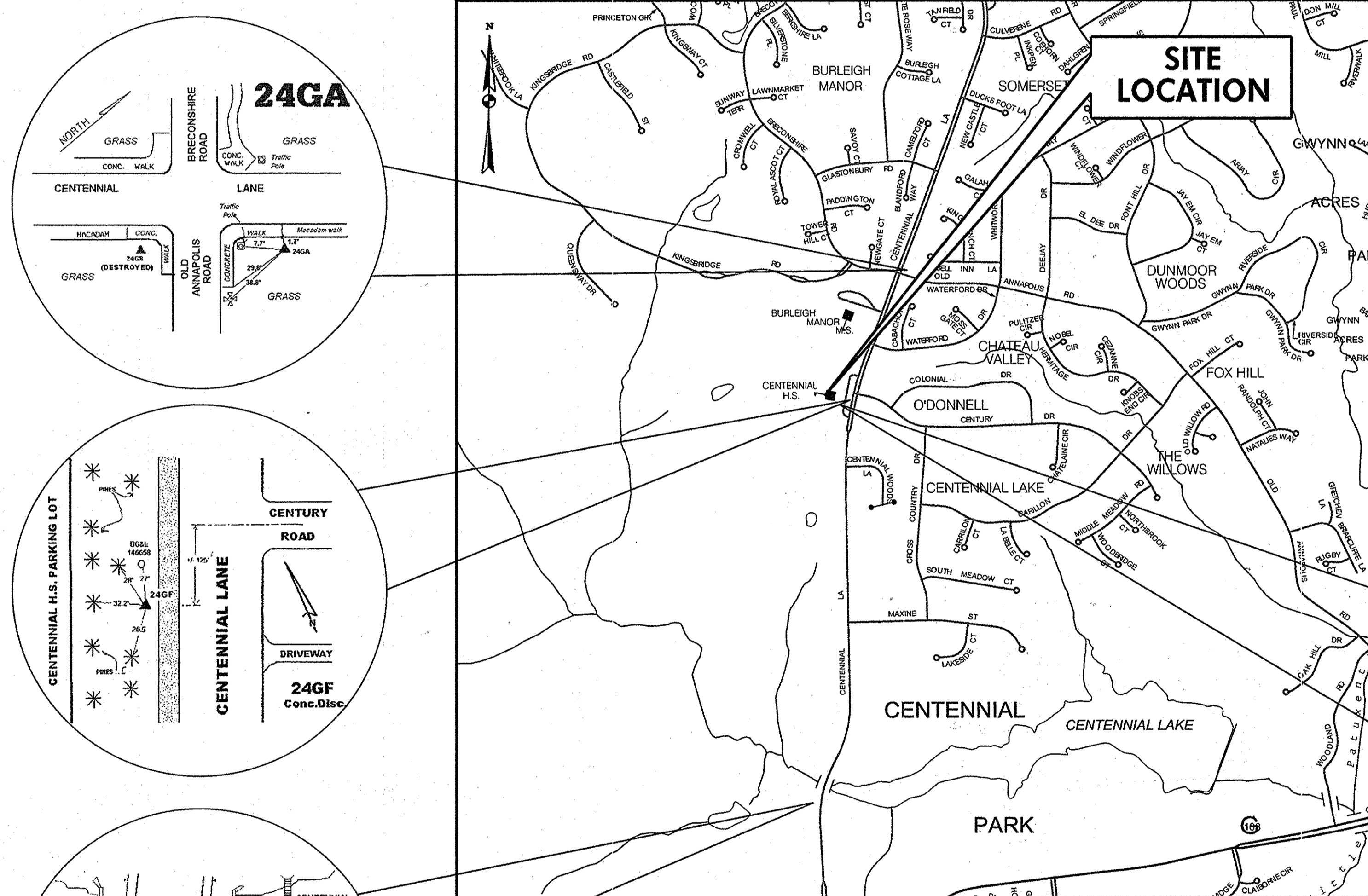
INDEX OF DRAWINGS

- 41 (1) TITLE SHEET
- 42 (2) EXISTING PLAN/DEMOLITION PLAN
- 43 (3) STAKE-OUT PLAN
- 44 (4) SITE PLAN AND EROSION & SEDIMENT CONTROL PLAN
- 45-48 (5-8) SITE DETAILS I, II, III & IV
- 49 (9) PIPE PROFILES
- 50 (10) 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. THE HORIZONTAL AND VERTICAL CONTROL FOR THESE PLANS ARE BASED ON THE MARYLAND STATE SYSTEM OF PLANE COORDINATES AS ESTABLISHED FROM THE FOLLOWING HOWARD COUNTY CONTROL POINTS:
0023, 24GA, 24GF & 30AB
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 JANUARY 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 |

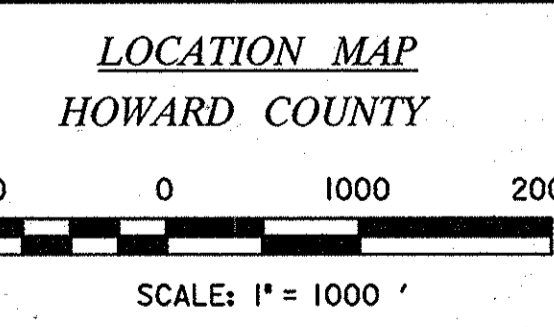


DEVELOPER'S CERTIFICATION
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."
A. P. Deane 5-30-14
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."
David T. Morlock 5-30-14
URS CORPORATION 4 NORTH PARK DRIVE HUNT VALLEY, MD 21030
DAVID T. MORLOCK DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.
John R. Robinson 5/30/14
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: 8/28/2014."
David T. Morlock 5-30-14



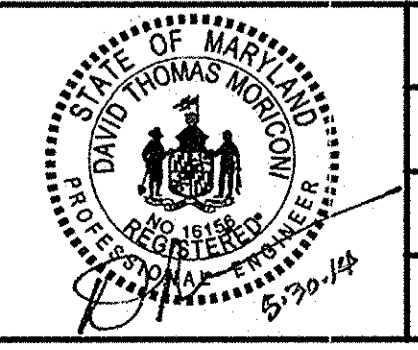
TRAVERSE POINTS AND BENCHMARK INFORMATION

POINT NO.	NORTHING	EASTING	ELEVATION
0023	577,373.1430	1,349,751.2730	479.25
24GA	579,160.3280	1,350,477.5520	491.74
24GF	577,631.5880	1,349,886.4080	482.16
30AB	573,239.3850	1,349,548.0290	361.93

DATE	DESCRIPTION
	REVISION BLACK
6/23/14	APPROVED: DEPARTMENT OF PLANNING AND ZONING
6-23-14	DIRECTOR - DEPARTMENT OF PLANNING AND ZONING
6-20-14	CHIEF, DIVISION OF LAND DEVELOPMENT
6-20-14	CHIEF, DEVELOPMENT ENGINEERING DIVISION

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND
John R. Robinson 5/30/14
DIRECTOR, HOWARD COUNTY RECREATION AND PARKS DATE

PREPARED BY
URS
4 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
TEL: (410) 785-1220
David T. Morlock 6-2-14
ASSISTANT MANAGER, GROUNDS SERVICES, DATE
HOWARD COUNTY PUBLIC SCHOOL SYSTEM

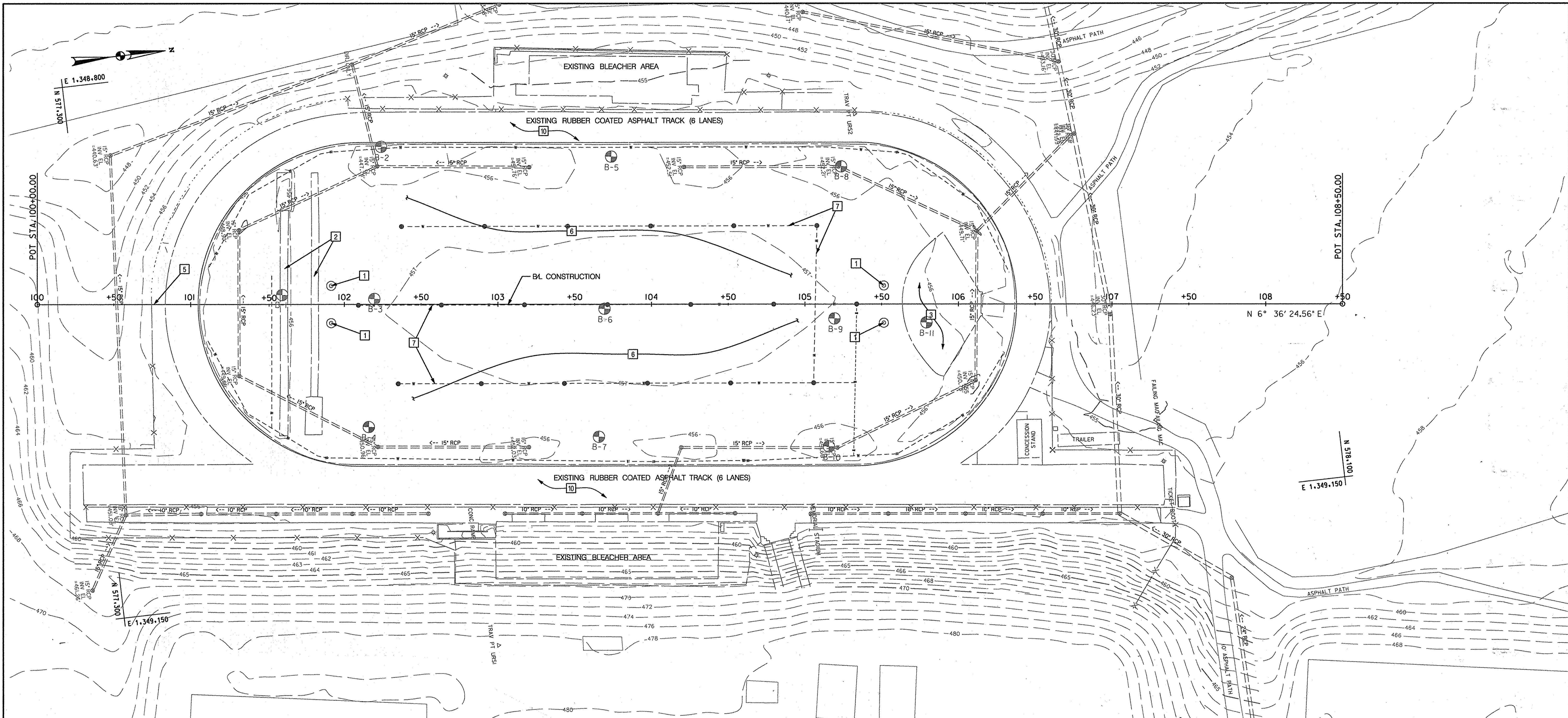


DES: RLL					
DRN: CDF					
CHK: DTM					
DATE: 04/13					
BY NO.					

TITLE SHEET
SCALE MAP NO. N/A BLOCK NO.

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

SCALE
AS SHOWN
SHEET
41 OF 49
50



DEMOLITION NOTES:

- 1 REMOVE AND SALVAGE EXISTING GOAL POST TO HOWARD COUNTY PUBLIC SCHOOLS (HCPSS).
- 2 REMOVE EXISTING RUBBER COVERED ASPHALT TRACK, SAND JUMP PIT AND UNDERDRAIN.
- 3 REMOVE EXISTING RUBBER COATED ASPHALT HIGH JUMP AREA.
- 4 REMOVE AND SALVAGE EXISTING IRRIGATION CONTROL VALVE EQUIPMENT TO HCPSS, IF REMAINING.
- 5 EXISTING SCOREBOARD TO REMAIN.
- 6 THERE WILL BE NO STOCKPILING OF EXISTING GRASS TURF ON SITE. THE CONTRACTOR SHALL REMOVE ALL TOPSOIL TO A SUITABLE LOCATION DETERMINED BY HOWARD COUNTY.
- 7 REMOVE EXISTING IRRIGATION LINES AND SPRINKLER HEADS, COORDINATE WITH 4.
- 8 EXISTING PVC MAIN WATER LINE TO REMAIN. THE LIMITS OF WHERE THE WATER LINE WILL REMAIN SHALL BE COORDINATED WITH HCPSS.
- 9 REMOVE EXISTING DRAINAGE STRUCTURE. BULKHEAD AND ABANDON PIPE USING FLOWABLE FILL.
- 10 EXISTING RUBBER COVERED ASPHALT TRACK TO REMAIN.

GENERAL NOTE:
REFER TO SHEET 4 FOR ANY DRAINAGE DEMOLITION REQUIREMENTS.

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. 163156 EXPIRATION DATE: 8/28/2014"

- LEGEND**
- SPRINKLER HEAD
 - - - - - EXISTING CONTOUR
 - X X X X EXISTING CHAIN LINK FENCE
 - - - - - EXISTING UNDERGROUND ELECTRIC
 - - - - - EXISTING RCP
 - - - - - EXISTING IRRIGATION LINE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Janice M. Coughlin 6/23/14
 DIRECTOR, DEPARTMENT OF PLANNING AND ZONING DATE

Victor Landwehr 6-23-14
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Paul P. ... 6-20-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 HOWARD COUNTY, MARYLAND

Adrian ... 5/20/14
 DIRECTOR, HOWARD COUNTY RECREATION AND PARKS DATE

Gregory ... 6-2-14
 ASSISTANT MANAGER, GROUNDS SERVICES, HOWARD COUNTY PUBLIC SCHOOL SYSTEM DATE

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



DES: RLL				
RN: CDF				
HK: DTM				
DATE: 04/13	BY NO.	REVISION	DATE	

EXISTING PLAN / DEMOLITION PLAN

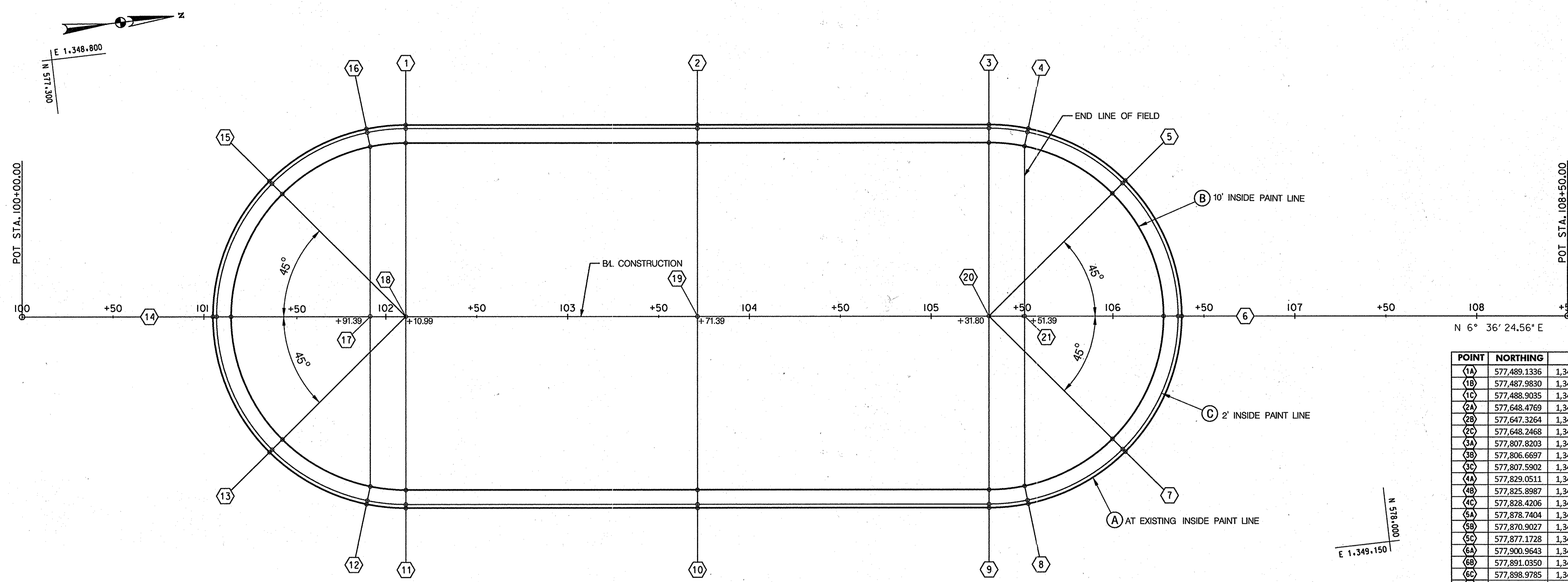
SCALE MAP NO. N/A BLOCK NO.

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

SCALE
 1" = 30'

SHEET
 2 OF 10

US:\Projects\14\HOCO\2083573\CAD\PlanSet\1400-7001-CENT.dgn Friday, May 30, 2014 AT 10:14 AM ronald.lundrum

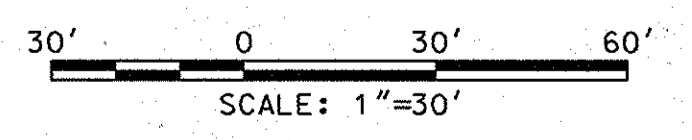


POINT	NORTHING	EASTING	ELEVATION
(1A)	577,489.1336	1,348,858.4030	456.12
(1B)	577,487.9830	1,348,868.3366	456.57
(1C)	577,488.9035	1,348,860.3897	456.08
(2A)	577,648.4769	1,348,876.8589	456.10
(2B)	577,647.3264	1,348,886.7925	456.57
(2C)	577,648.2468	1,348,878.8456	456.06
(3A)	577,807.8203	1,348,895.3148	456.15
(3B)	577,806.6697	1,348,905.2484	456.57
(3C)	577,807.5902	1,348,897.3015	456.11
(4A)	577,829.0511	1,348,900.0181	456.14
(4B)	577,825.8987	1,348,909.5082	456.58
(4C)	577,828.4206	1,348,901.9161	456.10
(5A)	577,878.7404	1,348,934.7995	456.21
(5B)	577,870.9027	1,348,941.0100	456.47
(5C)	577,877.1728	1,348,936.0416	456.17
(6A)	577,900.9643	1,349,012.9056	456.26
(6B)	577,891.0350	1,349,011.7169	456.67
(6C)	577,898.9785	1,349,012.6679	456.22
(7A)	577,861.4839	1,349,083.7875	456.21
(7B)	577,855.2734	1,349,075.9498	456.47
(7C)	577,860.2418	1,349,082.2200	456.17
(8A)	577,805.1598	1,349,106.2899	456.16
(8B)	577,804.2601	1,349,096.3305	456.58
(8C)	577,804.9798	1,349,104.2980	456.12
(9A)	577,783.4159	1,349,106.0157	456.19
(9B)	577,784.5665	1,349,096.0821	456.57
(9C)	577,783.6460	1,349,104.0290	456.15
(10A)	577,624.0726	1,349,087.5598	456.21
(10B)	577,625.2231	1,349,077.6262	456.57
(10C)	577,624.3027	1,349,085.5731	456.17
(11A)	577,464.7292	1,349,069.1040	456.17
(11B)	577,465.8798	1,349,059.1704	456.57
(11C)	577,464.9593	1,349,067.1172	456.13
(12A)	577,443.4984	1,349,064.4006	456.32
(12B)	577,446.6508	1,349,054.9105	456.58
(12C)	577,444.1289	1,349,062.5026	456.28
(13A)	577,393.8091	1,349,029.6193	456.13
(13B)	577,401.6468	1,349,023.4087	456.47
(13C)	577,395.3766	1,349,028.3772	456.09
(14A)	577,371.5852	1,348,951.5131	456.14
(14B)	577,381.5145	1,348,952.7019	456.67
(14C)	577,373.5711	1,348,951.7508	456.10
(15A)	577,411.0656	1,348,880.6312	456.05
(15B)	577,417.2761	1,348,888.4689	456.47
(15C)	577,412.3077	1,348,882.1987	456.01
(16A)	577,467.3897	1,348,856.1288	456.19
(16B)	577,468.2894	1,348,868.0883	456.58
(16C)	577,467.5697	1,348,860.1207	456.15
(17)	577,457.4701	1,348,961.4994	457.05
(18)	577,476.9314	1,348,963.7535	457.05
(19)	577,636.2696	1,348,982.2526	457.05
(20)	577,795.6181	1,349,000.6652	457.05
(21)	577,815.0794	1,349,002.9193	457.05

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Marsha A. Leavelle 6/23/14
 DIRECTOR - DEPARTMENT OF PLANNING AND ZONING
K. J. ... 6-23-14
 CHIEF, DIVISION OF LAND DEVELOPMENT
Chad ... 6-20-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

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: 8/28/2014."

NOTES:
 -FOR LONG/TRIPLE JUMP AND POLE VAULT STAKE OUT SEE SHEET 6
 -FOR HIGH JUMP STAKE OUT SEE SHEET 8



HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 HOWARD COUNTY, MARYLAND
 PREPARED BY
URS
 4 NORTH PARK DRIVE
 HUNT VALLEY, MARYLAND
 TEL: (410) 785-7220
 DATE: 04/13
 DES: RLL
 DRN: CDF
 CHK: DTM
 DATE: 04/13
 BY NO. REVISION DATE
 SCALE MAP NO. N/A BLOCK NO.
 DIRECTOR, HOWARD COUNTY RECREATION AND PARKS
 ASSTANT MANAGER, GROUNDS SERVICES, HOWARD COUNTY PUBLIC SCHOOL SYSTEM

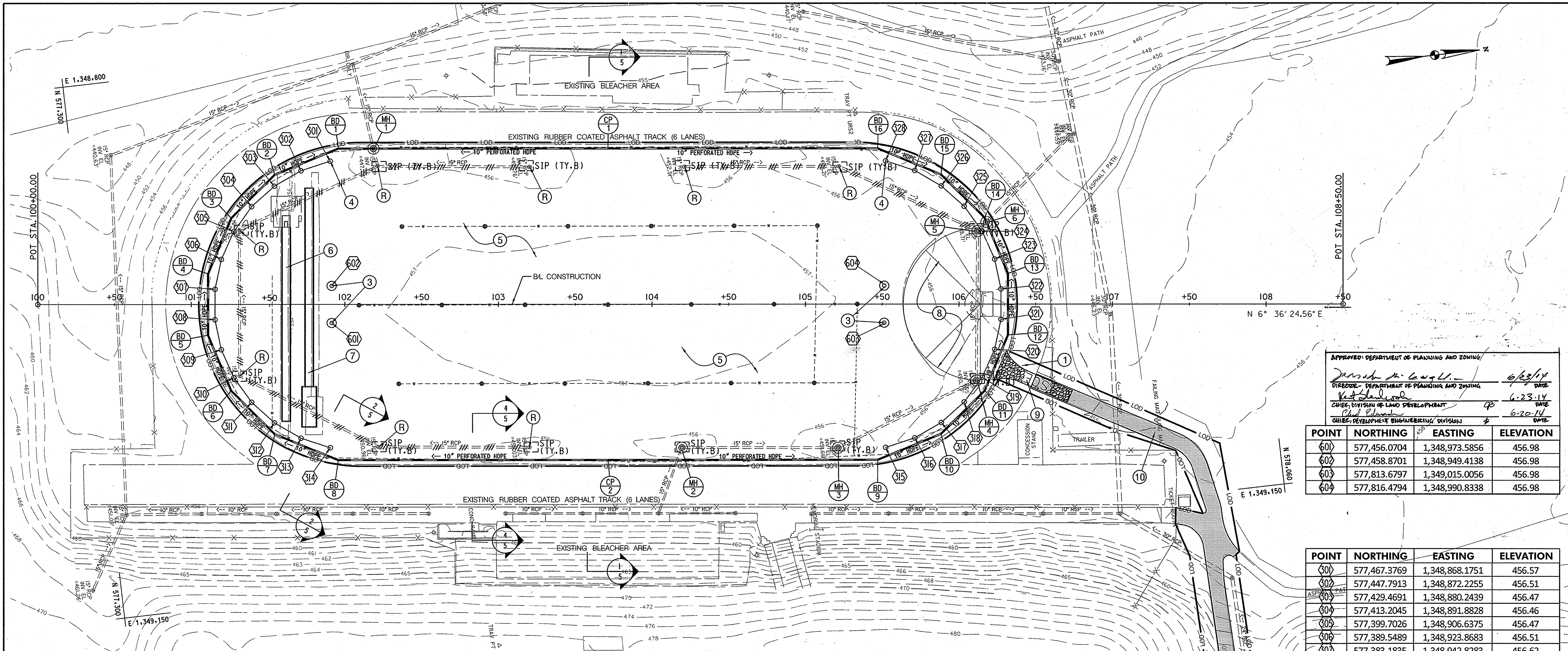
STATE OF MARYLAND
 DAVID THOMAS MORGAN
 REGISTERED PROFESSIONAL ENGINEER
 LICENSE NO. 16156
 EXPIRATION DATE: 8/28/2014

STAKE-OUT PLAN

REVISIONS
 1. NEW SHEET
 2. ...

SCALE MAP NO. N/A BLOCK NO.

REVISED SITE DEVELOPMENT PLAN
CENTENNIAL HIGH SCHOOL
 FIELD IMPROVEMENTS
 2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND
 SCALE 1"=30'
 SHEET 3 OF 10
 43 50



APPROVED: DEPARTMENT OF PLANNING AND ZONING
James M. Gagliardi 6/23/14
 DIRECTOR - DEPARTMENT OF PLANNING AND ZONING DATE
Neil S. Stalder 6-23-14
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
Chad Edwards 6-20-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

POINT	NORTHING	EASTING	ELEVATION
601	577,456.0704	1,348,973.5856	456.98
602	577,458.8701	1,348,949.4138	456.98
603	577,813.6797	1,349,015.0056	456.98
604	577,816.4794	1,348,990.8338	456.98

POINT	NORTHING	EASTING	ELEVATION
301	577,467.3769	1,348,868.1751	456.57
302	577,447.7913	1,348,872.2255	456.51
303	577,429.4691	1,348,880.2439	456.47
304	577,413.2045	1,348,891.8828	456.46
305	577,399.7026	1,348,906.6375	456.47
306	577,389.5489	1,348,923.8683	456.51
307	577,383.1835	1,348,942.8283	456.62
308	577,380.8824	1,348,962.6955	456.62
309	577,382.7454	1,348,982.6086	456.51
310	577,388.6916	1,349,001.7042	456.47
311	577,398.4633	1,349,019.1545	456.46
312	577,411.6368	1,349,034.2030	456.47
313	577,427.6411	1,349,046.1973	456.51
314	577,445.7823	1,349,054.6174	456.58
315	577,805.1726	1,349,096.2436	456.57
316	577,824.7582	1,349,092.1932	456.50
317	577,843.0804	1,349,084.1748	456.39
318	577,859.3450	1,349,072.5360	456.35
319	577,872.8469	1,349,057.7813	456.48
320	577,883.0006	1,349,040.5504	456.53
321	577,889.3659	1,349,021.5904	456.62
322	577,891.6671	1,349,001.7232	456.62
323	577,889.8041	1,348,981.8102	456.53
324	577,883.8579	1,348,962.7146	456.48
325	577,874.0862	1,348,945.2642	456.34
326	577,860.9127	1,348,930.2157	456.37
327	577,844.9084	1,348,918.2214	456.50
328	577,826.7672	1,348,909.8013	456.57

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."
A. J. DeLeon 5-30-14
 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."
David T. Moriconi 5-30-14
 URS CORPORATION DATE
 4 NORTH PARK DRIVE DAVID T. MORICONI
 HUNT VALLEY, MD 21030

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.
John R. Richardson, Jr. 5/30/14
 HOWARD SOIL CONSERVATION DISTRICT DATE

- 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
 - CIP CURB INLET PROTECTION
 - SF SILT FENCE
 - (R) REMOVE EXISTING STRUCTURE
 - ⊙ COMBINATION GOAL GROUND SLEEVE
 - MH MANHOLE
 - BD BEND
 - CP COUPLING
- TYPE B HYDROLOGIC SOIL GROUP WITHIN LOD

CONTRACTOR SHALL LOCATE THE STAGING AND STOCKPILE AREA AND IS RESPONSIBLE FOR PROVIDING ANY ADDITIONAL EROSION CONTROL MEASURES 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.

Standard Stabilization Note
 Following initial soil disturbance or re-disturbance, permanent or temporary stabilization must be completed within:
 a) 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
 b) Seven (7) calendar days as to all other disturbed or graded areas on the project site not under active grading.

- NOTES:**
- PLACE STEEL PLATES OR OTHER ACCEPTABLE MEASURES OVER EXISTING TRACK PRIOR TO CONSTRUCTION TO PREVENT DAMAGE TO THE EXISTING TRACK. ANY DAMAGE TO EXISTING TRACK SHALL BE REPAIRED AT NO COST TO HOWARD COUNTY.
 - INSTALL WATER REEL CONNECTION BOX (SEE SHEET NO. 7). 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 (1/5)
 - POLE VAULT (SEE SHEET NO. 6 FOR STAKEOUT).
 - LONG JUMP/TRIPLE EVENT (SEE SHEET NO. 6 FOR STAKEOUT).
 - HIGH JUMP (SEE SHEET NO. 8 FOR STAKEOUT).
 - THE CONTRACTOR SHALL REPAIR ANY DAMAGED ASPHALT OR CONCRETE AREAS AS A RESULT OF THE PROPOSED USE DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL REPAIR ANY DAMAGE ON THE ASPHALT PATH AS A RESULT OF THE PROPOSED USE DURING CONSTRUCTION.

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: 8/28/2014"

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 HOWARD COUNTY, MARYLAND

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

ASSISTANT MANAGER, GROUND SERVICES
David T. Moriconi 6-3-14
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM

DES: RLL
 DRN: CDF
 CHK: DTM
 DATE: 04/13

DTM
 NEW SHEET
 6/2/14

BY NO. REVISION DATE

SITE PLAN AND EROSION & SEDIMENT CONTROL PLAN

SCALE MAP NO. N/A BLOCK NO.

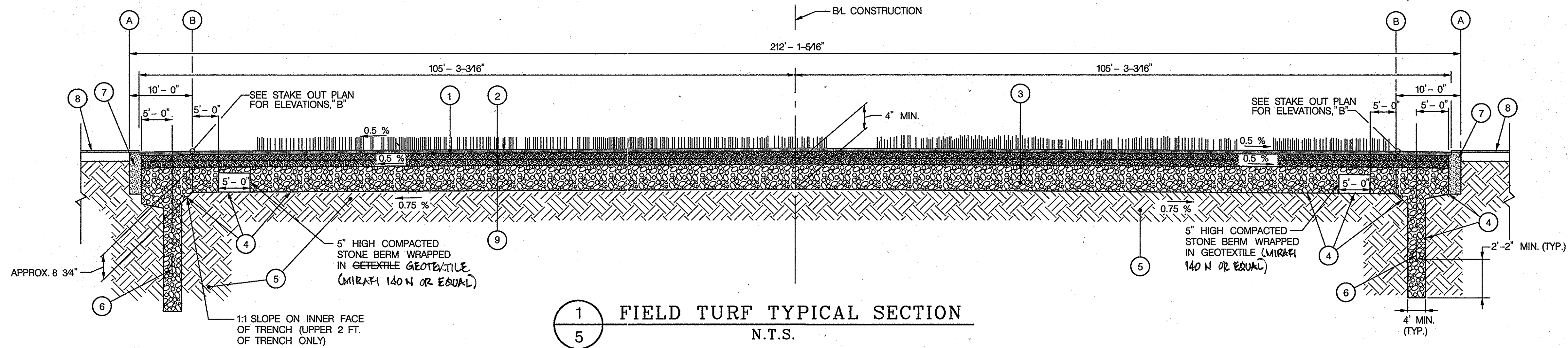
REVISED SITE DEVELOPMENT PLAN
CENTENNIAL HIGH SCHOOL
 FIELD IMPROVEMENTS

2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

SCALE 1" = 30'
 SHEET 44 OF 49

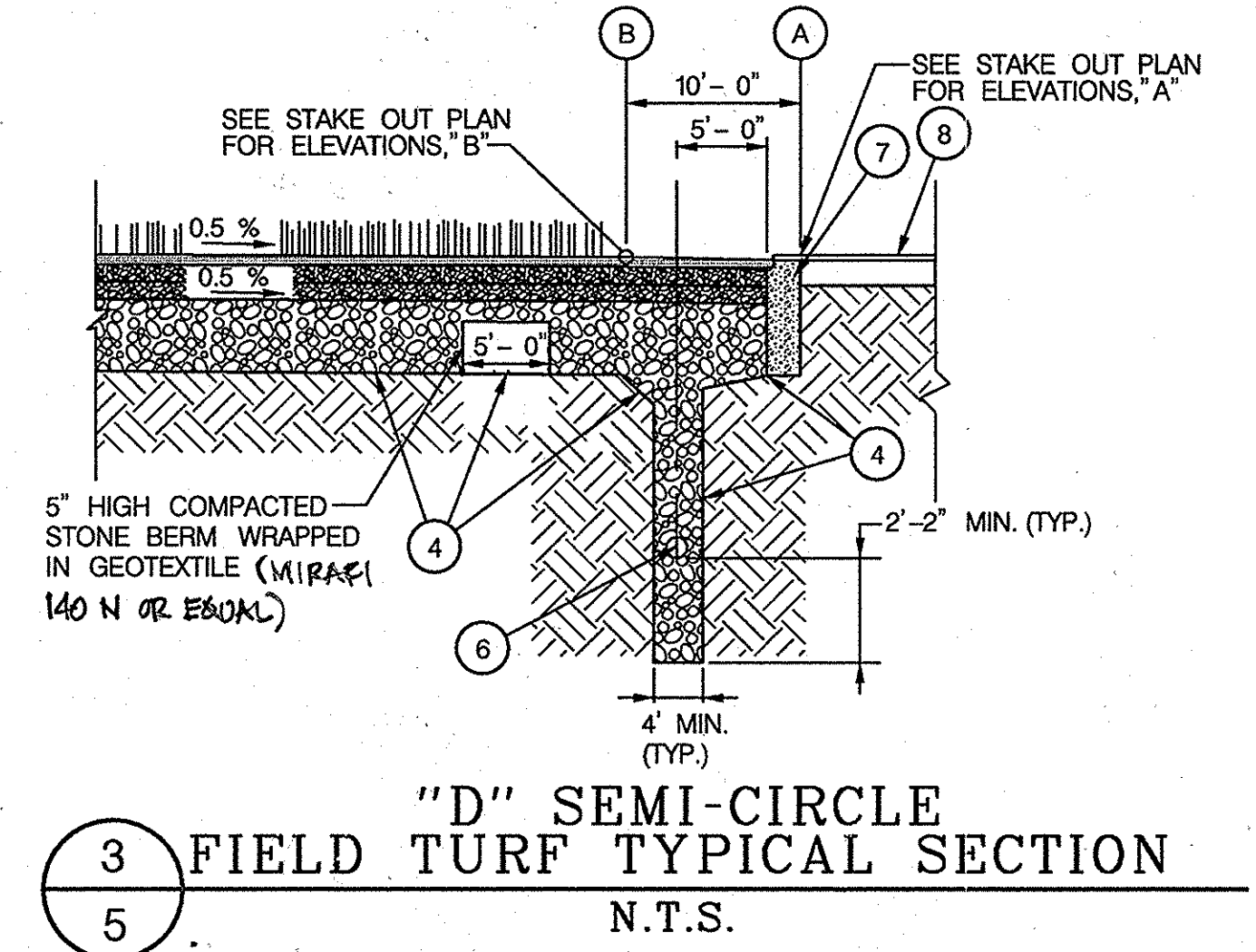
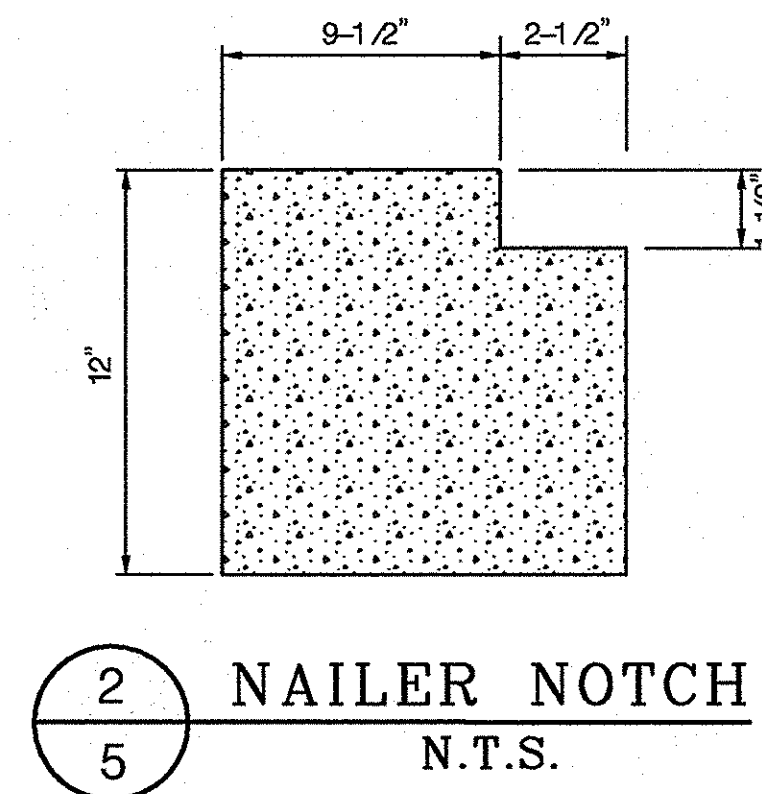
SDP-75-86

Thursday, May 29, 2014 AT 06:58 PM jrc.young

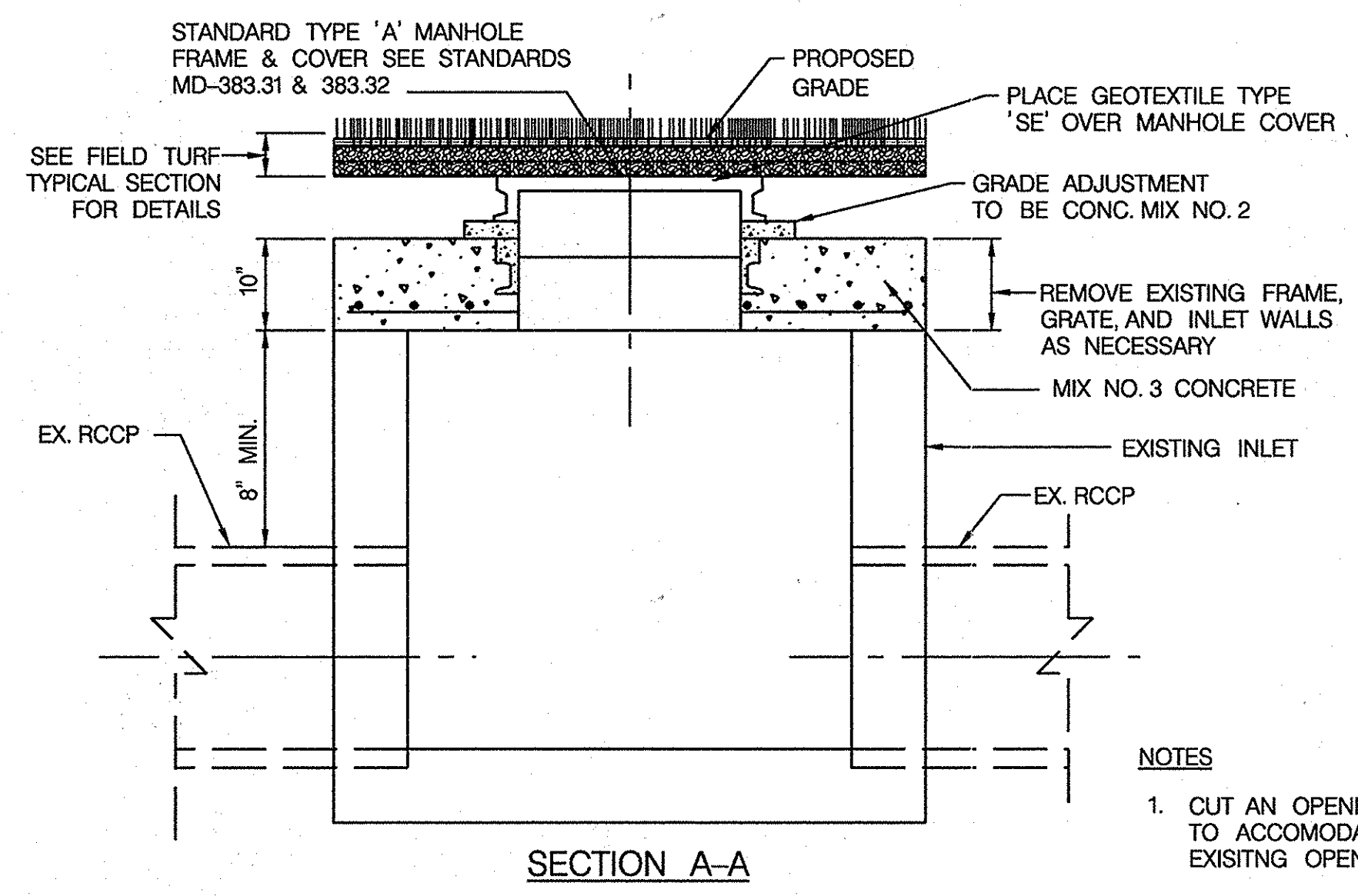
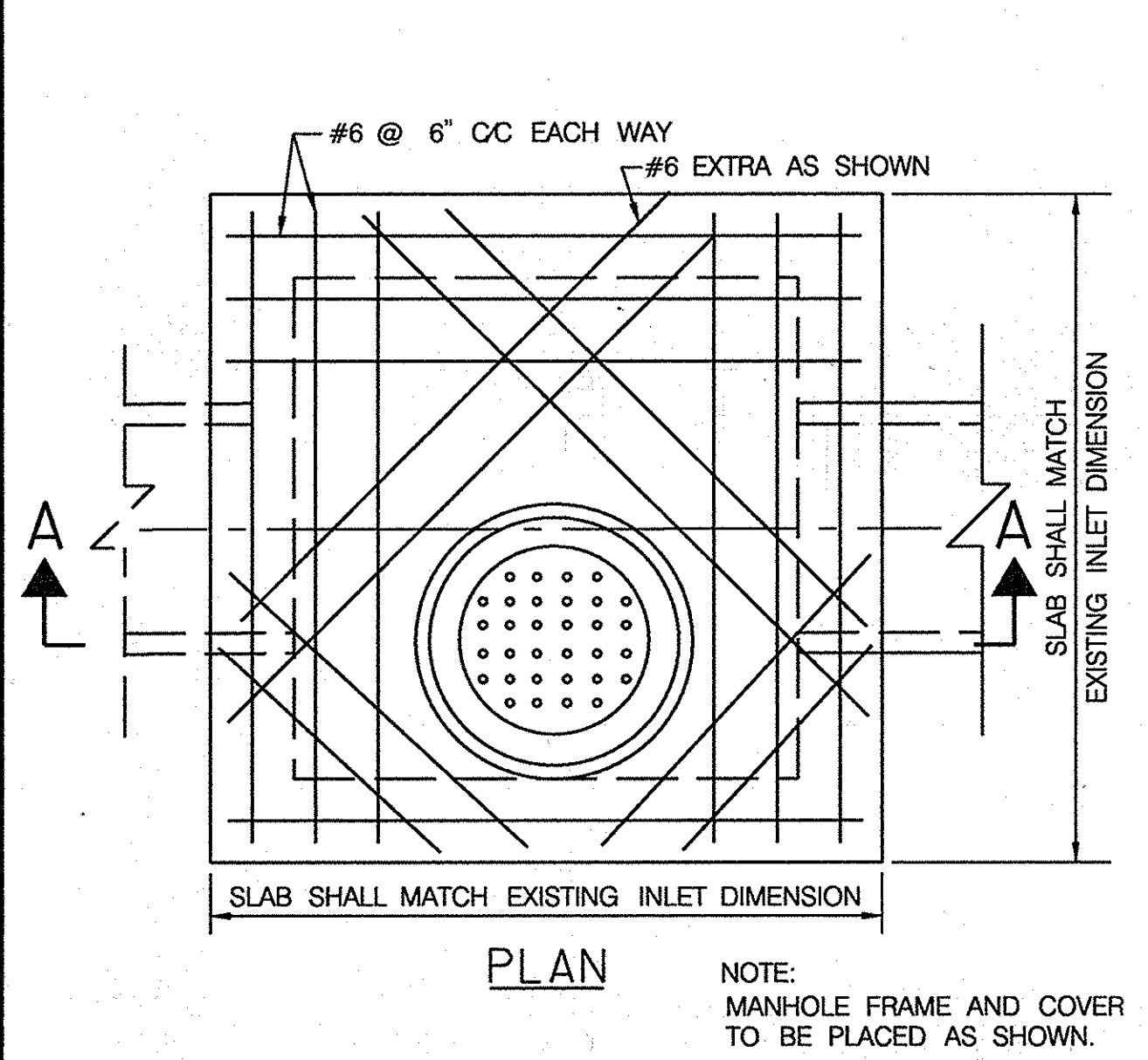


LEGEND

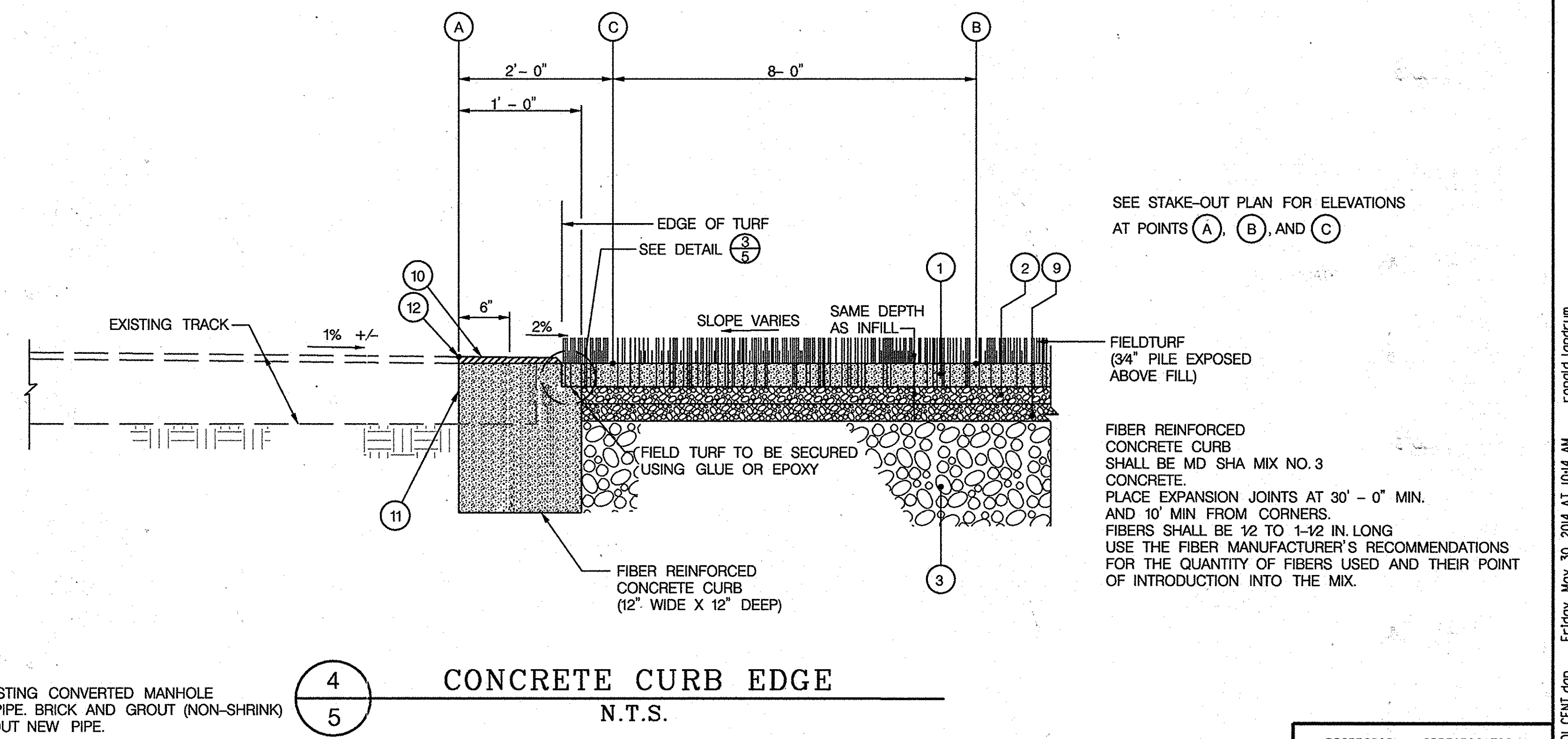
- 1 2 - 12" PILE FIELD TURF WITH 1 - 3/4" OF INFILL
- 2 1" OF FINISHING STONE AS PER SPECIFICATIONS, COMPACTED TO 95% PROCTOR AND GRADED TO WITHIN 0 - 1/2" OF DESIGN GRADE AND WITHIN 0 - 1/4" IN 10 FEET (USE LASER GUIDED GRADER).
- 3 VARIABLE DEPTH (MIN. 4" @ CENTER) #2 BASE STONE.
- 4 GEOTEXTILE (MIRAFI 140N 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 1.5" HMA SUPERPAVE FINAL SURFACE 9.5MM, PG 64-22, LEVEL 1 (ESAL)
- 14 1" HMA SUPERPAVE INTERMEDIATE SURFACE 9.5MM, PG 64-22, LEVEL 1 (ESAL)
- 15 2" HMA SUPERPAVE BASE 19.0MM, PG 64-22, LEVEL 1 (ESAL)
- 16 4" GRADED AGGREGATE BASE
- 17 FULL DEPTH SAW CUT
- 18 LIMIT OF EXCAVATION



APPROVED: DEPARTMENT OF PLANNING AND ZONING
Mark A. Gault 6/23/14
 DIRECTOR - DEPARTMENT OF PLANNING AND ZONING DATE
Neil DeDore 6-23-14
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
Paul Johnson 6-20-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE



- NOTES
- CUT AN OPENING IN THE EXISTING CONVERTED MANHOLE TO ACCOMMODATE THE NEW PIPE. BRICK AND GROUT (NON-SHRINK) EXISTING OPENINGS AND GROUT NEW PIPE.
 - SET FRAME AND COVER TO MEET PROPOSED FINISHED GRADE.
 - SEE MARYLAND STANDARD MD-383.31 & 383.32 FOR THE STANDARD TYPE 'A' MANHOLE FRAME AND COVER.
 - MANHOLE FRAME AND COVER TO BE PLACED AS SHOWN.



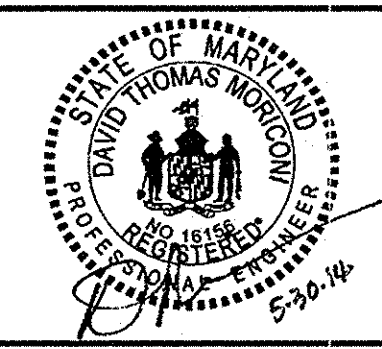
PROFESSIONAL CERTIFICATION
 "I HEREBY CERTIFY THAT DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 16156. EXPIRATION DATE: 8/28/2014"

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 HOWARD COUNTY, MARYLAND

John R. Spill 5/15/14
 DIRECTOR, HOWARD COUNTY RECREATION AND PARKS DATE

Gregory Cannon 6-23-14
 ASST. STAFF MANAGER, GROUNDS SERVICES, HOWARD COUNTY PUBLIC SCHOOL SYSTEM DATE

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



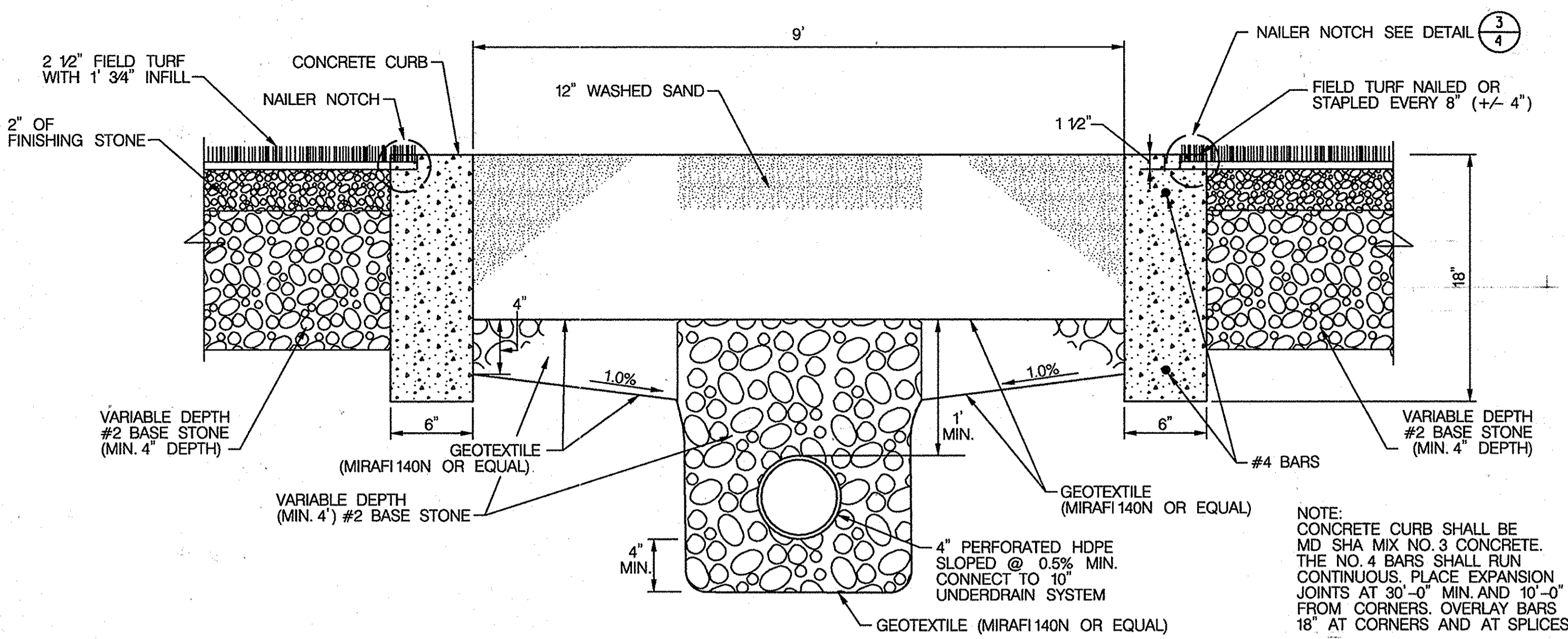
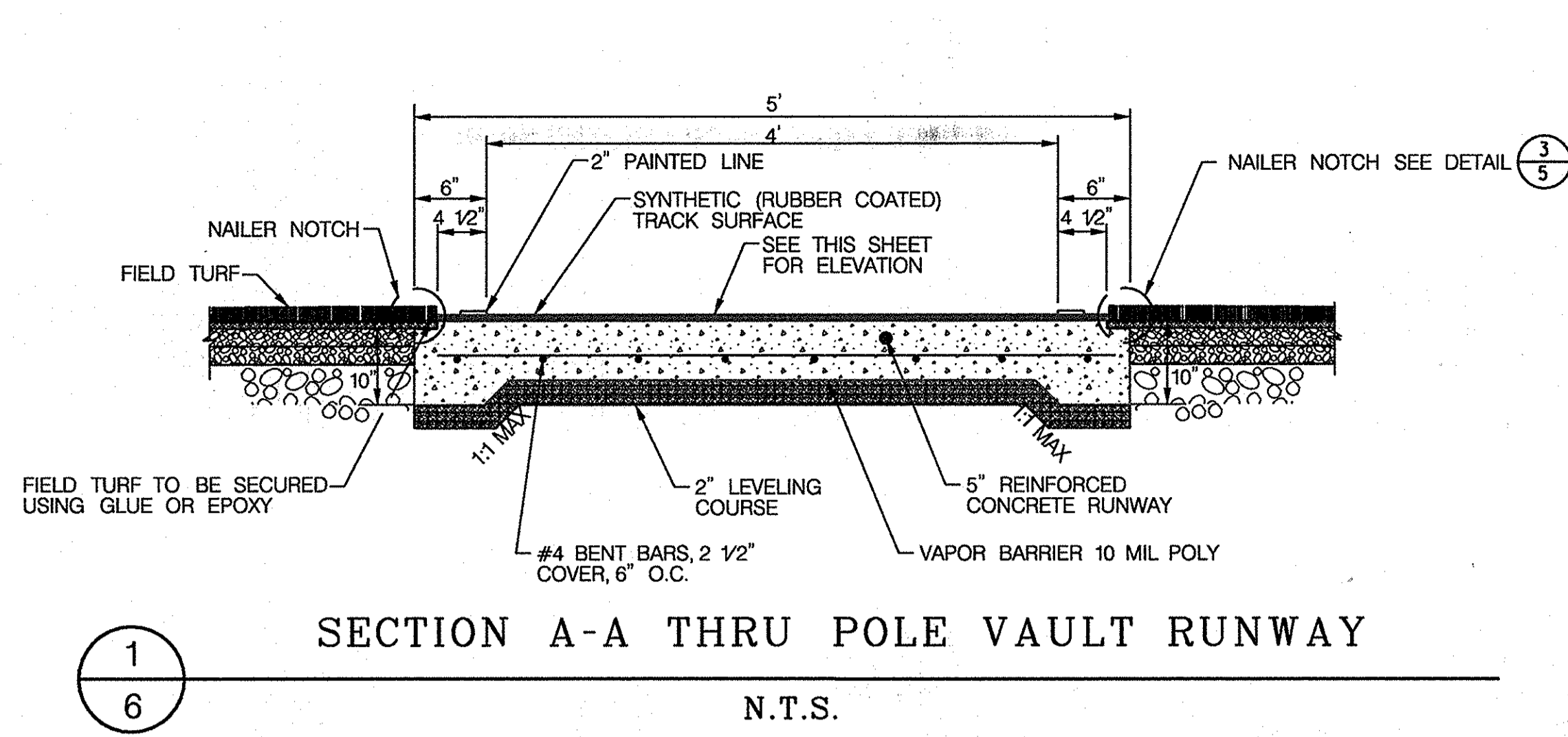
DES:	RLL				
DRN:	CDF				
CHK:	DTM				
DATE:	04/13	BY:	NO.	REVISION	DATE
				NEW SHEET	6-12-14

SITE DETAILS I

SCALE MAP NO. N/A BLOCK NO.

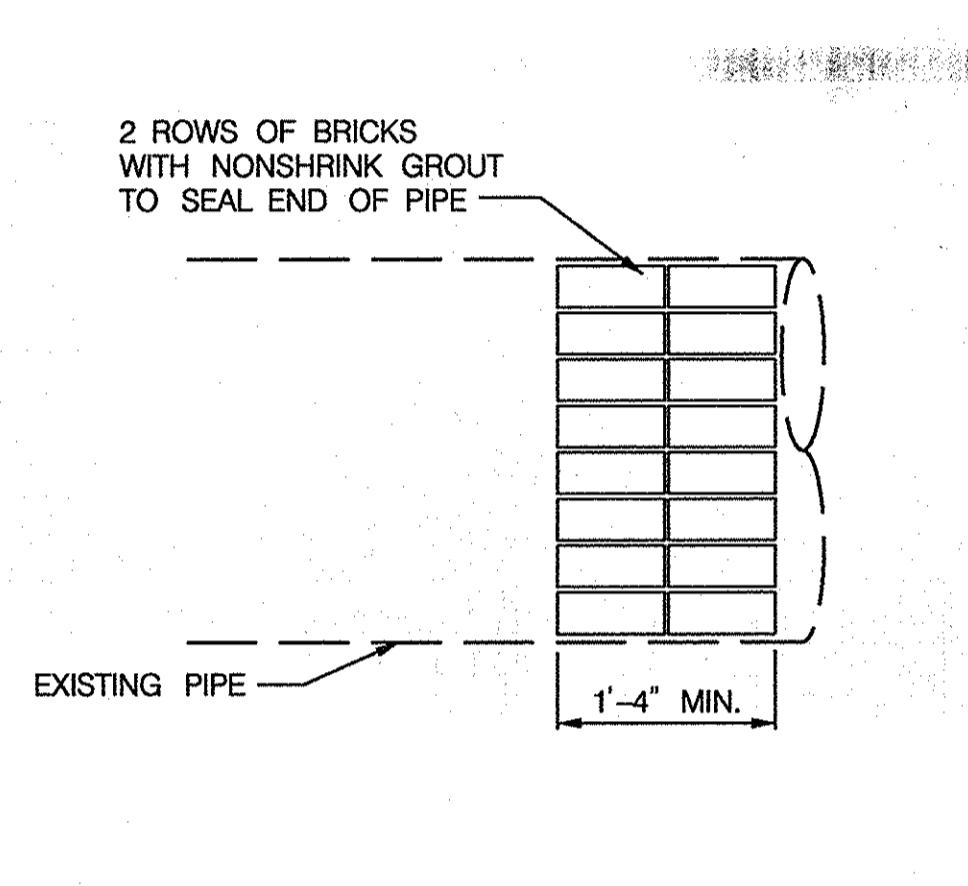
REVISED SITE DEVELOPMENT PLAN
**CENTENNIAL HIGH SCHOOL
 FIELD IMPROVEMENTS**
 2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 5 OF 10
 45 50

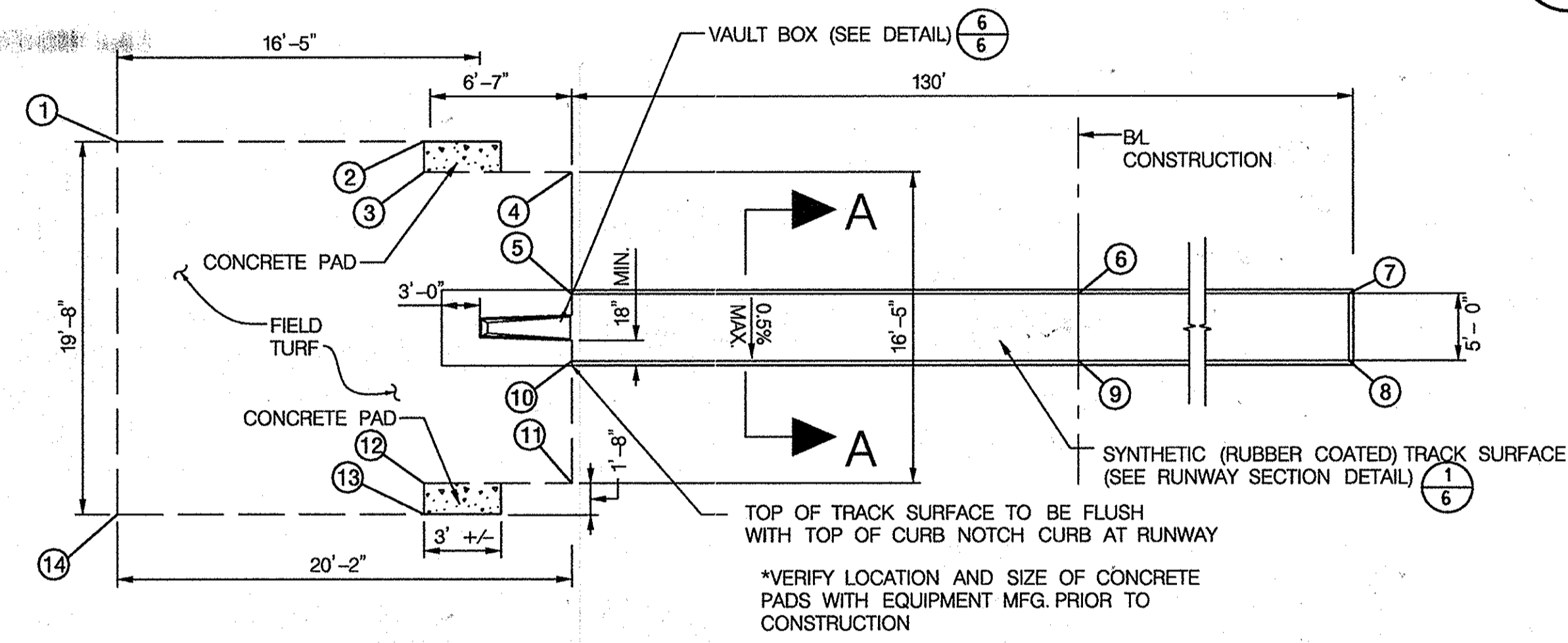


NOTE: CONCRETE CURB SHALL BE MD SHA MIX NO. 3 CONCRETE. THE NO. 4 BARS SHALL RUN CONTINUOUS. PLACE EXPANSION JOINTS AT 30'-0" MIN. AND 10'-0" FROM CORNERS. OVERLAY BARS 18" AT CORNERS AND AT SPLICES.

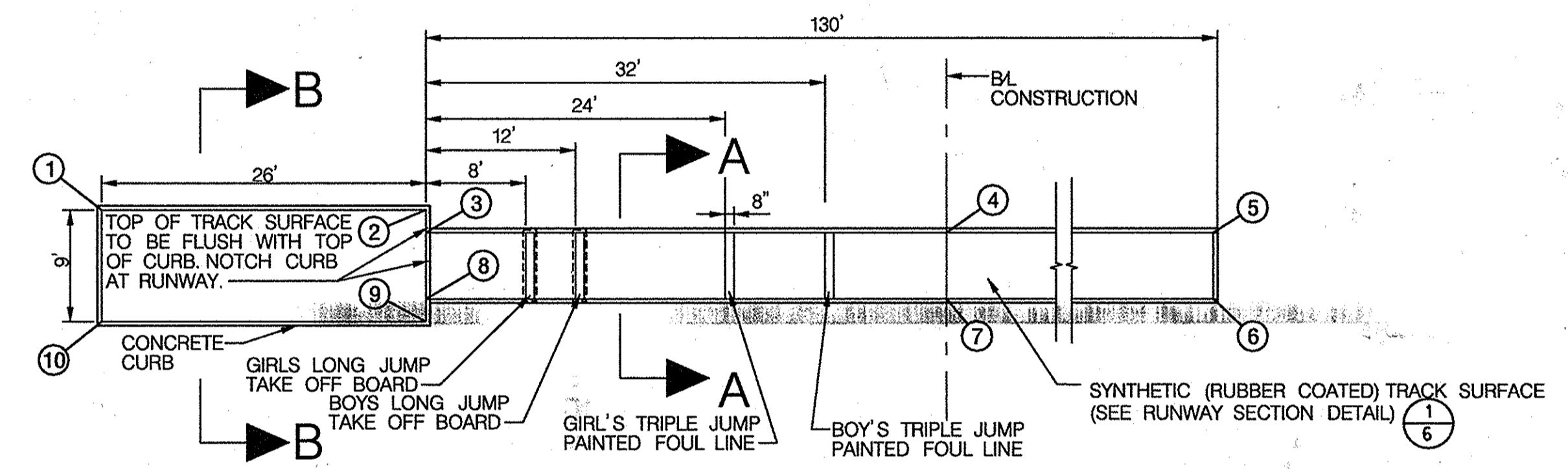
2 SECTION B-B JUMP PIT DETAIL
6 N.T.S.



3 PERMANENT BULKHEAD EXISTING PIPE
6 N.T.S.



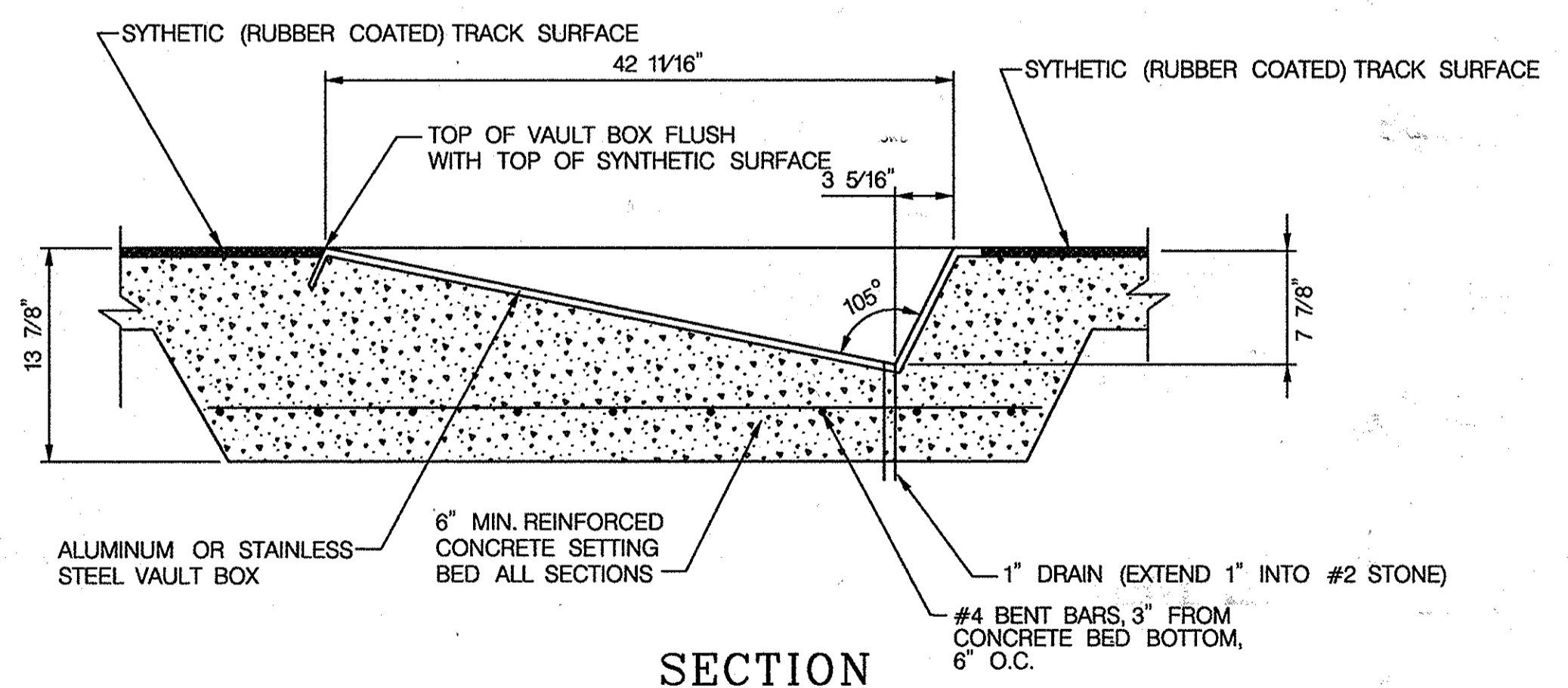
4 POLE VAULT DETAIL
6 N.T.S.



5 LONG / TRIPLE JUMP DETAIL
6 N.T.S.

POLE VAULT			
POINT	NORTHING	EASTING	ELEVATION
1	577,446.0867	1,348,888.8482	456.60
2	577,444.6198	1,348,901.5135	456.66
3	577,442.9642	1,348,901.3217	456.65
4	577,442.1523	1,348,908.6940	456.69
5	577,436.4819	1,348,908.0372	456.66
6	577,430.6494	1,348,958.3929	456.92
7	577,421.8717	1,349,034.1779	456.53
8	577,416.9049	1,349,033.6026	456.51
9	577,425.6826	1,348,957.8176	456.89
10	577,431.5151	1,348,907.4619	456.64
11	577,425.8446	1,348,906.8051	456.61
12	577,426.6980	1,348,899.4377	456.57
13	577,425.0838	1,348,899.2507	456.56
14	577,426.5507	1,348,886.5854	456.50

LONG/TRIPLE JUMP			
POINT	NORTHING	EASTING	ELEVATION
1	577,429.3919	1,349,038.7821	456.56
2	577,432.3833	1,349,012.9547	456.69
3	577,434.3700	1,349,013.1848	456.70
4	577,440.5830	1,348,959.5434	456.97
5	577,449.3272	1,348,884.0482	456.59
6	577,454.2940	1,348,884.6234	456.61
7	577,445.5498	1,348,960.1187	456.99
8	577,439.3368	1,349,013.7601	456.72
9	577,441.3235	1,349,013.9902	456.73
10	577,438.3321	1,349,039.8176	456.60



6 SECTION THROUGH VAULT BOX
6 N.T.S.

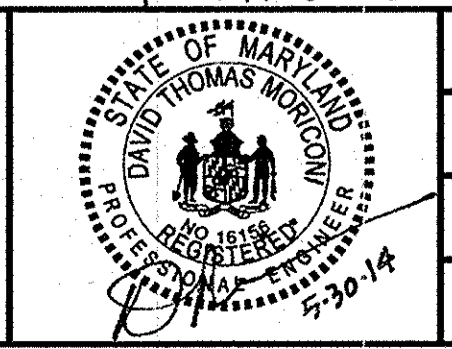
APPROVED: DEPARTMENT OF PLANNING AND ZONING
Mark A. Lewis 6/23/14
 DIRECTOR - DEPARTMENT OF PLANNING AND ZONING
Victor S. ... 6-23-14
 CHIEF, DIVISION OF LAND DEVELOPMENT
... 6-20-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

NOTES:
 1. VERIFY LOCATION AND SIZE OF CONCRETE PADS WITH EQUIPMENT MFG. PRIOR TO CONSTRUCTION.
 2. SEE 1/6 FOR BASE MATERIAL.
 3. WORK POINTS ALONG POLE VAULT AND LONG/TRIPLE JUMP RUN WAYS ARE APPLIED TO INSIDE LINE.
 BOYS LONG JUMP TAKE OFF BOARD AND GIRLS LONG JUMP TAKE OFF BOARD SHOULD BE A NON-METALLIC MATERIAL.

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: 8/28/2014."

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 HOWARD COUNTY, MARYLAND
John R. ... 5/29/14
 DIRECTOR, HOWARD COUNTY RECREATION AND PARKS
... 6-24
 ASSISTANT MANAGER, GROUNDS SERVICES,
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM

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

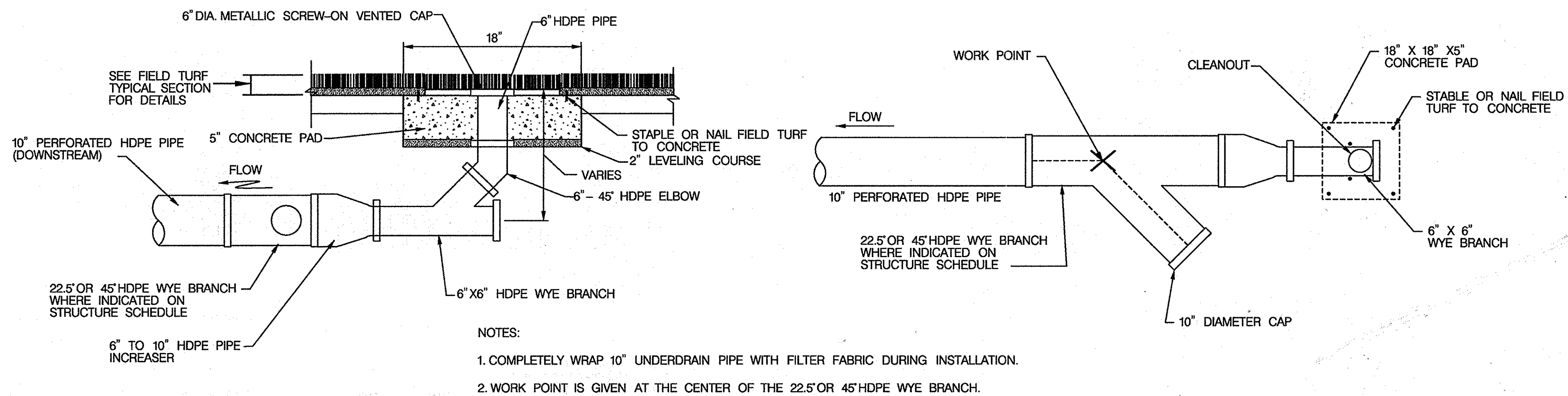


DES: RLL			
DRN: CDF			
CHK: DTM			
DATE: 04/13	DTM	NEW SHEET	6-12-14
BY NO.		REVISION	DATE

SITE DETAILS II
 SCALE MAP NO. N/A BLOCK NO.

REVISED SITE DEVELOPMENT PLAN
CENTENNIAL HIGH SCHOOL
 FIELD IMPROVEMENTS
 2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND
 SCALE AS SHOWN
 SHEET 46 OF 49

SDP-75-86

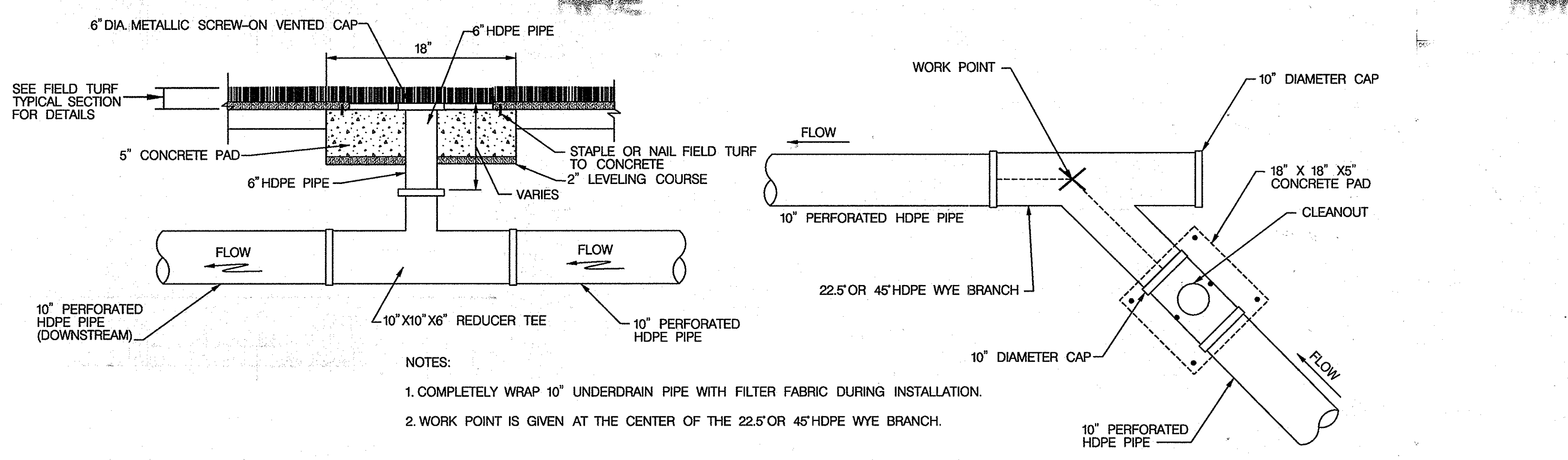


- NOTES:
1. COMPLETELY WRAP 10" UNDERDRAIN PIPE WITH FILTER FABRIC DURING INSTALLATION.
 2. WORK POINT IS GIVEN AT THE CENTER OF THE 22.5 OR 45° HDPE WYE BRANCH.

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

1A
7

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)

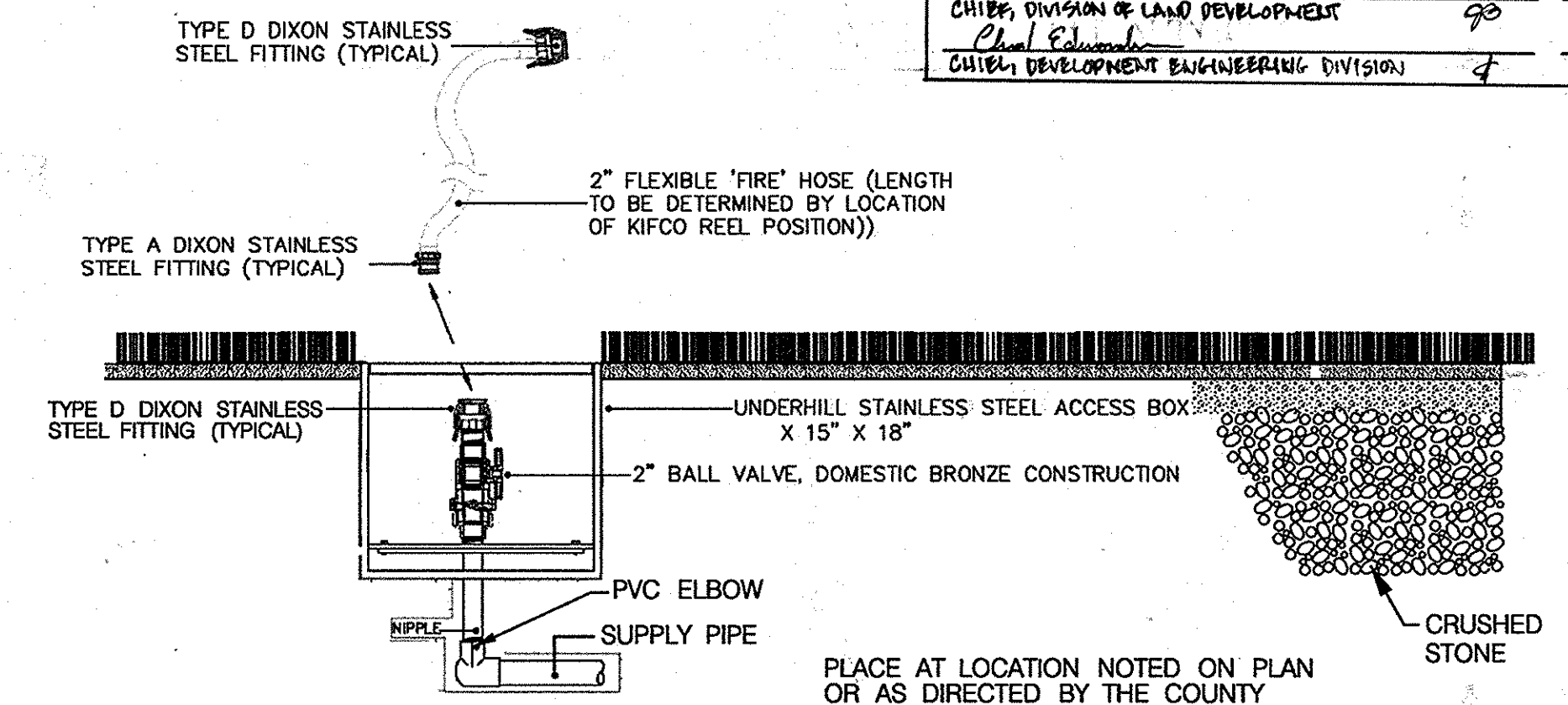
1B
7

N.T.S.

LOCATION POINT			STRUCTURE SCHEDULE			
NO.	NORTHING	EASTING	TYPE	Inv. In	Inv. Out	Top Elev.
CP-1	577,648.0167	1,348,880.8323	10" X 10" FLEX-SEAL RUBBER COUPLING	--	--	456.19
CP-2	577,624.5328	1,349,083.5864	10" X 10" FLEX-SEAL RUBBER COUPLING	--	--	456.27
BD-1	577,473.4980	1,348,860.6188	22.5 DEG. BEND	--	--	--
BD-2	577,430.5497	1,348,872.8474	22.5 DEG. BEND	--	--	--
BD-3	577,399.0341	1,348,897.8202	22.5 DEG. BEND	--	--	--
BD-4	577,379.8543	1,348,932.2700	22.5 DEG. BEND	--	--	--
BD-5	577,375.2279	1,348,972.2133	22.5 DEG. BEND	--	--	--
BD-6	577,386.0253	1,349,010.1352	22.5 DEG. BEND	--	--	--
BD-7	577,410.9981	1,349,041.6508	22.5 DEG. BEND	--	--	--
BD-8	577,450.0141	1,349,063.3728	22.5 DEG. BEND	--	--	--
BD-9	577,799.0515	1,349,103.8000	22.5 DEG. BEND	--	--	--
BD-10	577,841.9998	1,349,091.5713	22.5 DEG. BEND	--	--	--
BD-11	577,873.5154	1,349,066.5985	22.5 DEG. BEND	--	--	--
BD-12	577,892.6952	1,349,032.1488	22.5 DEG. BEND	--	--	--
BD-13	577,897.3216	1,348,992.2054	22.5 DEG. BEND	--	--	--
BD-14	577,886.5242	1,348,954.2836	22.5 DEG. BEND	--	--	--
BD-15	577,861.5514	1,348,922.7680	22.5 DEG. BEND	--	--	--
BD-16	577,822.5354	1,348,901.0459	22.5 DEG. BEND	--	--	--
MH-1	577,496.2090	1,348,863.2493	STANDARD 4 FT. CIRCULAR MANHOLE (STD. MD-383.21)	--	--	456.18
MH-2	577,673.1490	1,349,081.0171	STANDARD 4 FT. CIRCULAR MANHOLE (STD. MD-383.21)	--	--	456.58
MH-3	577,774.1950	1,349,092.9264	STANDARD 4 FT. CIRCULAR MANHOLE (STD. MD-383.21)	--	--	456.58
MH-4	577,868.7818	1,349,059.3700	STANDARD 4 FT. CIRCULAR MANHOLE (STD. MD-383.21)	--	--	456.50
MH-5	577,880.9491	1,348,962.2519	STANDARD 4 FT. CIRCULAR MANHOLE (STD. MD-383.21)	--	--	456.51
MH-6	577,887.3169	1,348,957.0677	STANDARD 4 FT. CIRCULAR MANHOLE (STD. MD-383.21)	--	--	456.23

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN THE EXISTING PIPE SYSTEMS WITHIN THE FIELD AREA PRIOR TO PLACING THE FIELD TURF.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 March 2, 2014
 DIRECTOR - DEPARTMENT OF PLANNING AND ZONING
 V. St. John
 CHIEF, DIVISION OF LAND DEVELOPMENT
 Chad Edwards
 CIVIL ENGINEERING DIVISION



2 WATER REEL CONNECTION DETAIL

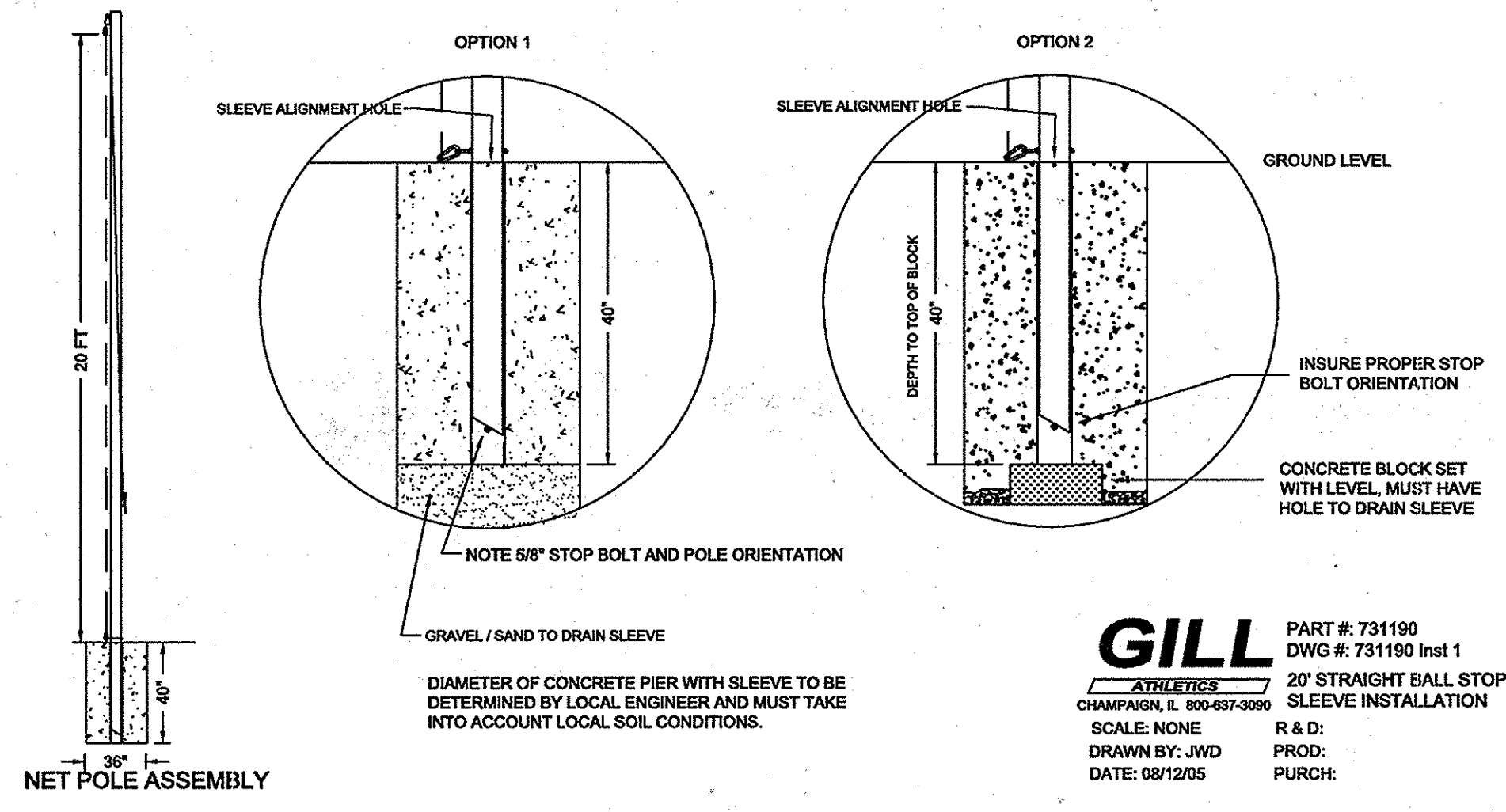
2
7

N.T.S.

GROUND SLEEVE INSTALLATION

NOTE: The proper orientation of the 5/16" 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.

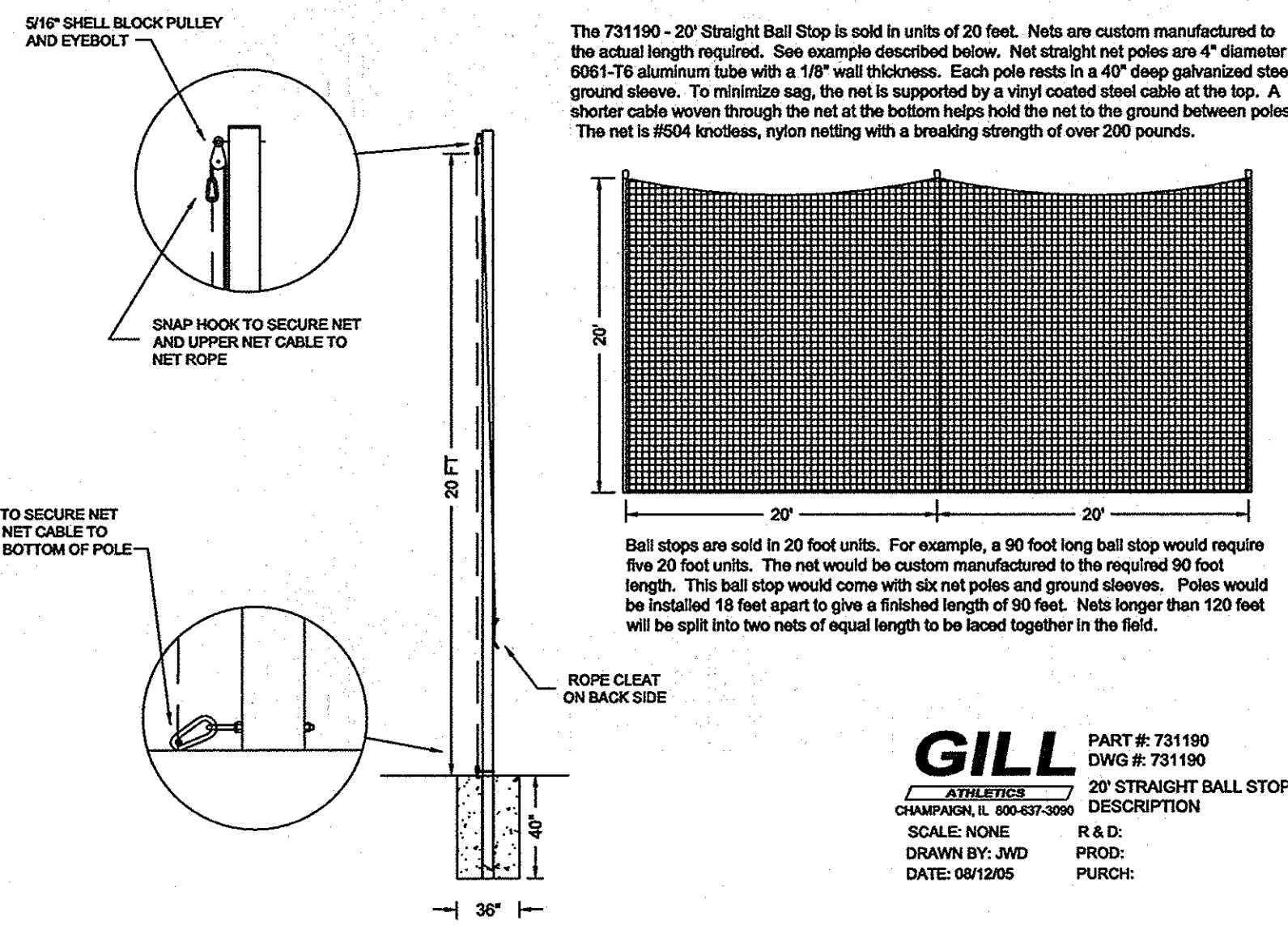
1. Dig holes for sleeves at staked locations. Size of holes are dependent on equipment used and must take into account soil conditions to support the poles.
2. Position and level gravel or a concrete block at the bottom of the hole so that the sleeve opening rests at the proper height at the surface.
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

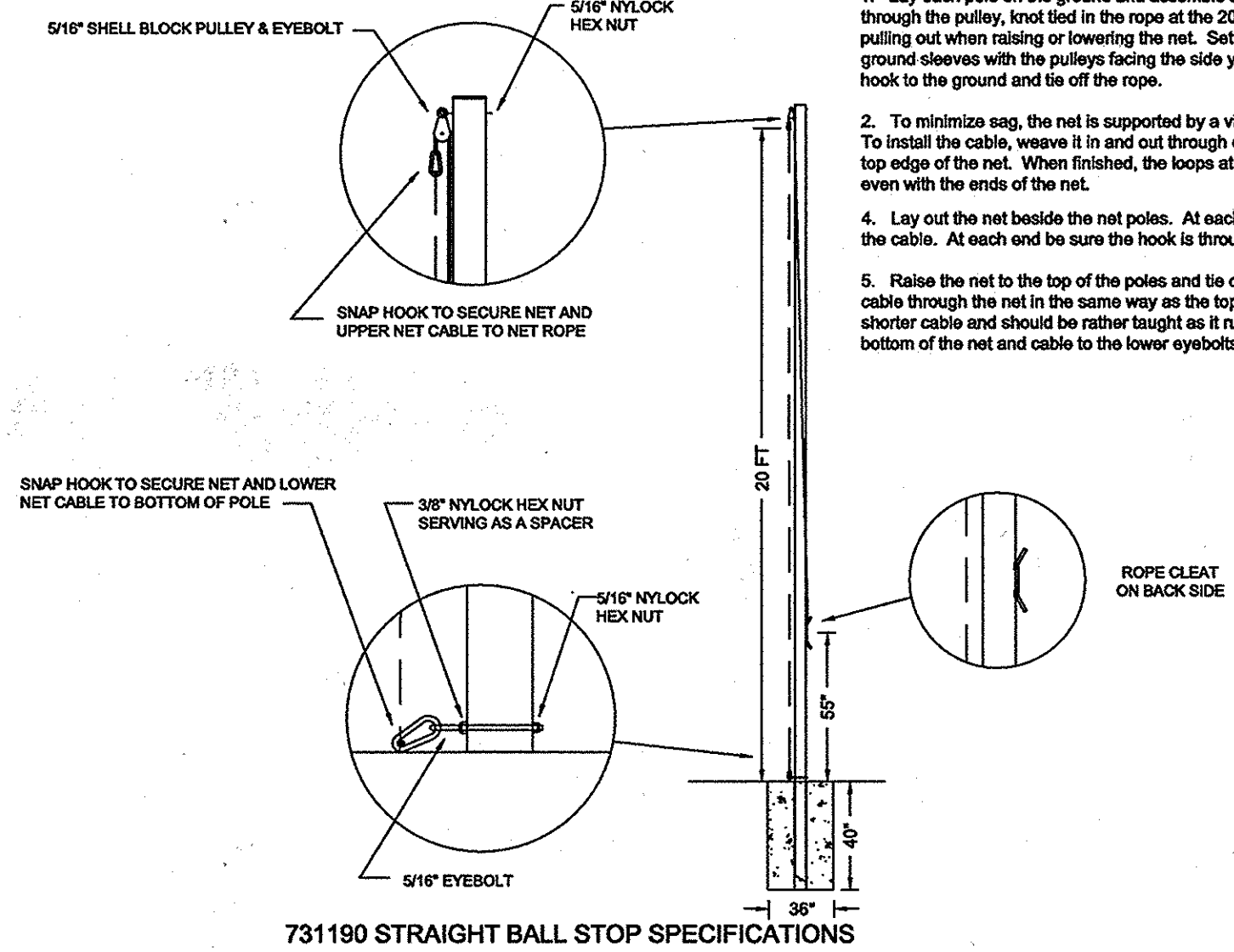
3
7

N.T.S.



GILL PART #: 731190
 DWG #: 731190
 20' STRAIGHT BALL STOP
 DESCRIPTION
 SCALE: NONE R & D:
 DRAWN BY: JWD PROJ:
 DATE: 08/12/05 PURCH:

GILL PART #: 731190
 DWG #: 731190 Inst 1
 20' STRAIGHT BALL STOP
 SLEEVE INSTALLATION
 SCALE: NONE R & D:
 DRAWN BY: JWD PROJ:
 DATE: 08/12/05 PURCH:

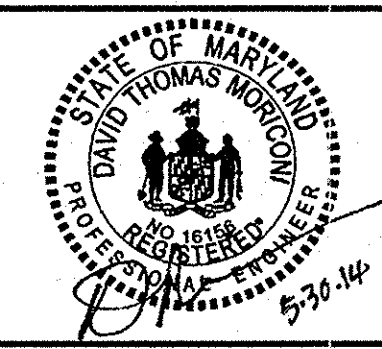


GILL PART #: 731190
 DWG #: 731190 Inst 2
 20' STRAIGHT BALL STOP
 NET POLE ASSEMBLY
 SCALE: NONE R & D:
 DRAWN BY: JWD PROJ:
 DATE: 08/12/05 PURCH:

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: 8/28/2014"

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 HOWARD COUNTY, MARYLAND
 DIRECTOR: Howard County Recreation and Parks
 ASS. MGMT. MANAGER: Grounds Services
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM

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



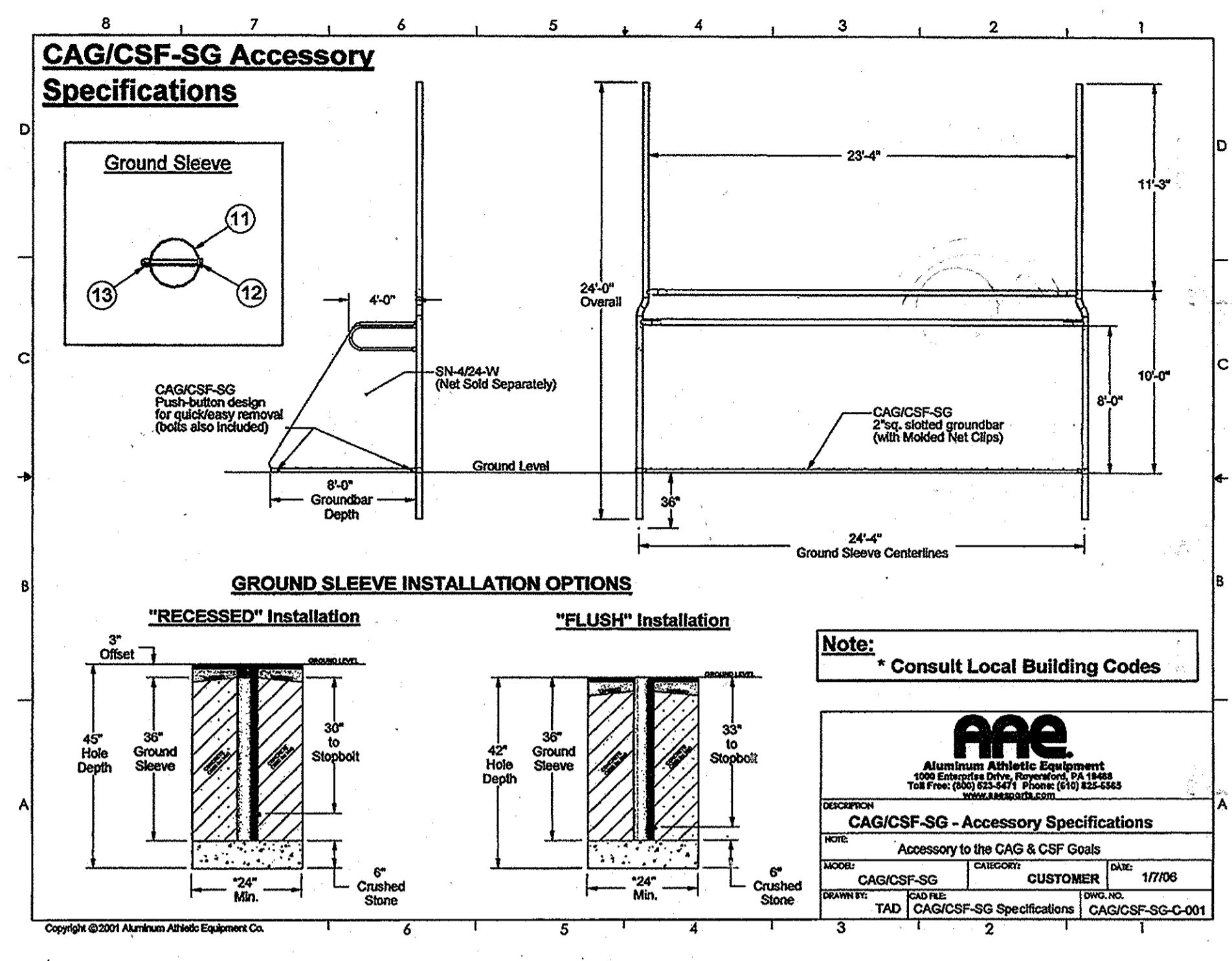
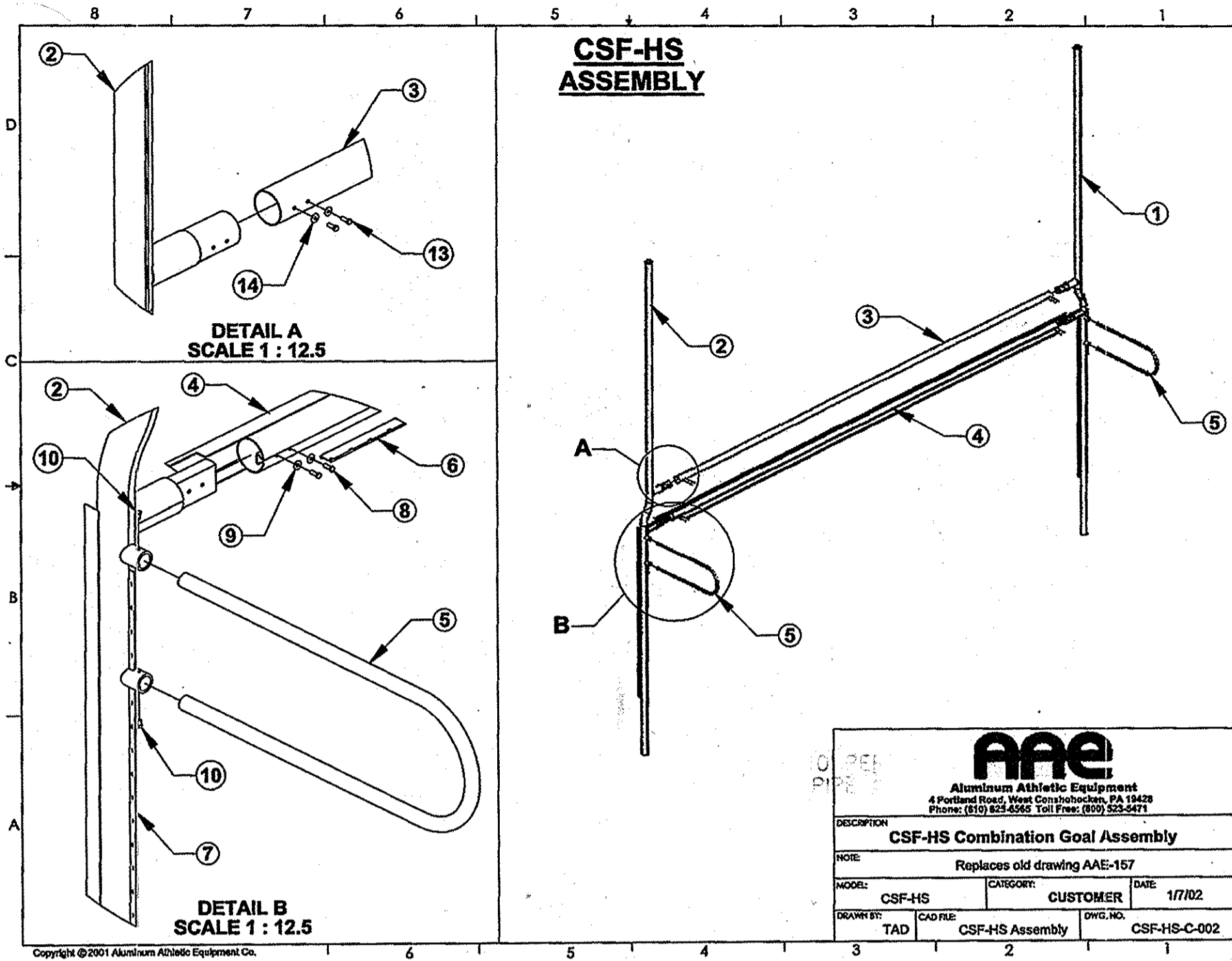
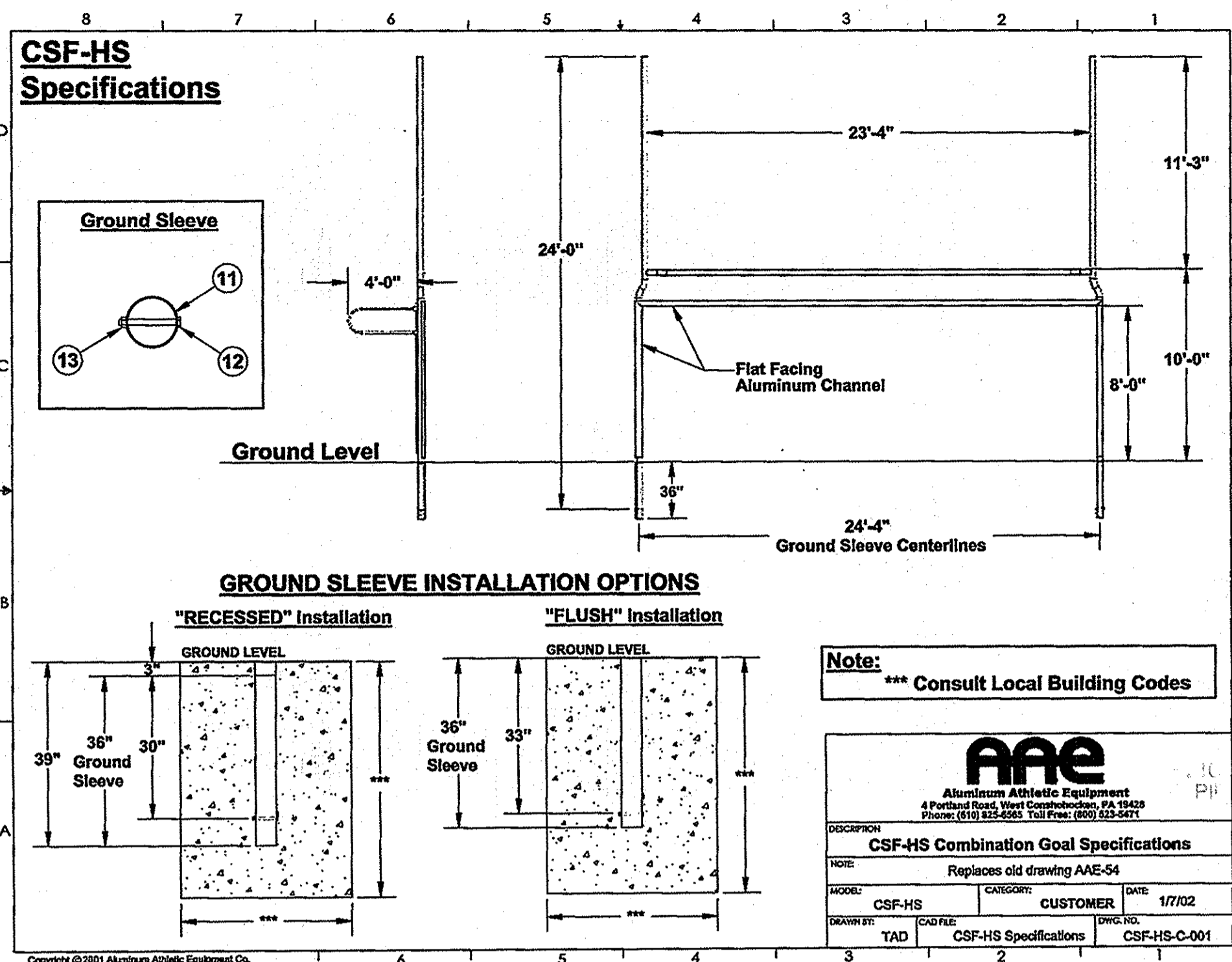
DES: RLL					
DRN: CDF					
CHK: DTM					
DATE: 04/13	BY NO.	NEW SHEET	6-2-14		
		REVISION	DATE	SCALE MAP NO.	N/A BLOCK NO.

SITE DETAIL III

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

SCALE AS SHOWN
 SHEET 47 OF 49

SDP-75-86



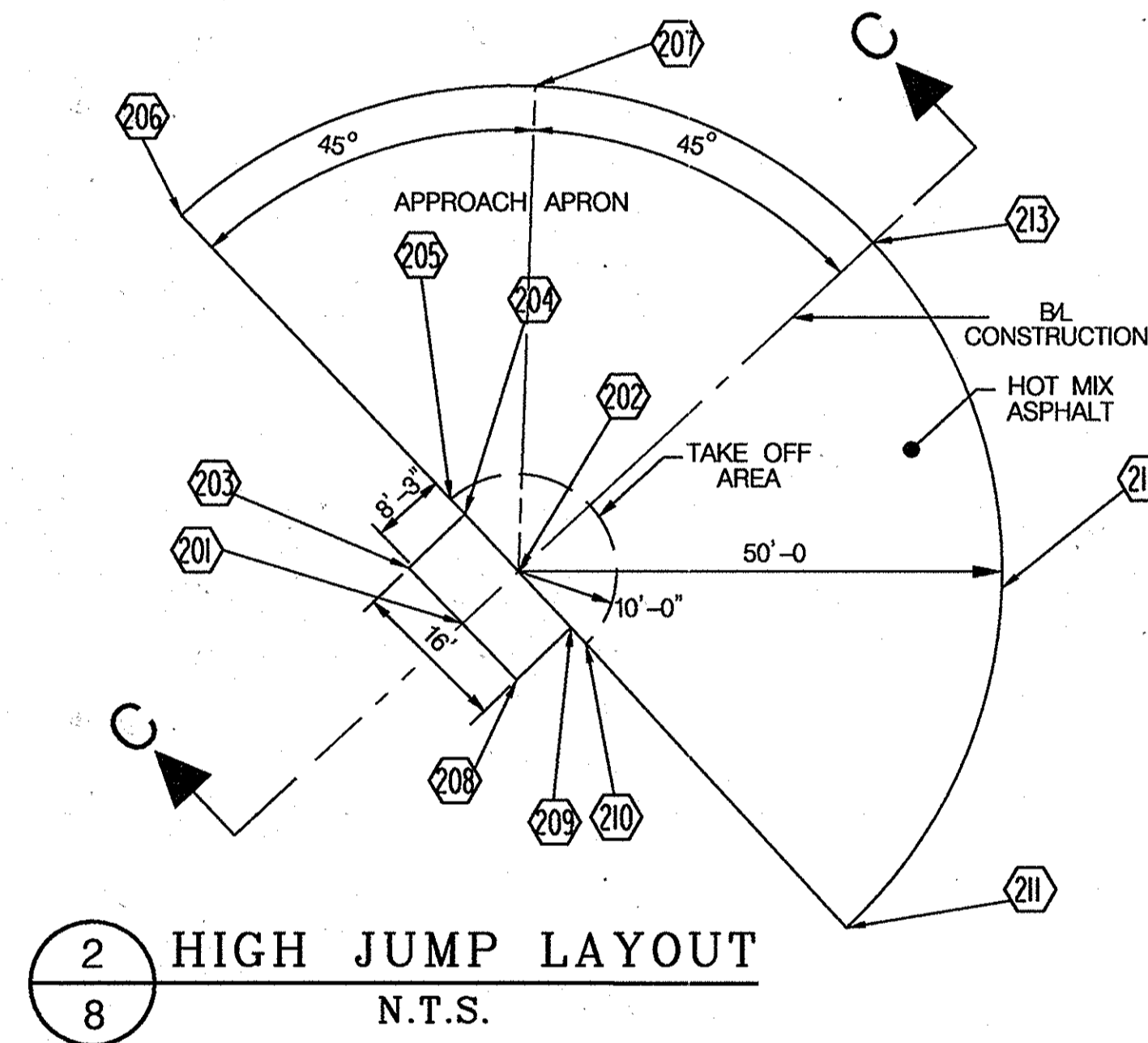
1 COMBINATION GOAL SPECIFICATIONS
8 N.T.S.

2 GROUND BAR ATTACHMENT DETAILS
8 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

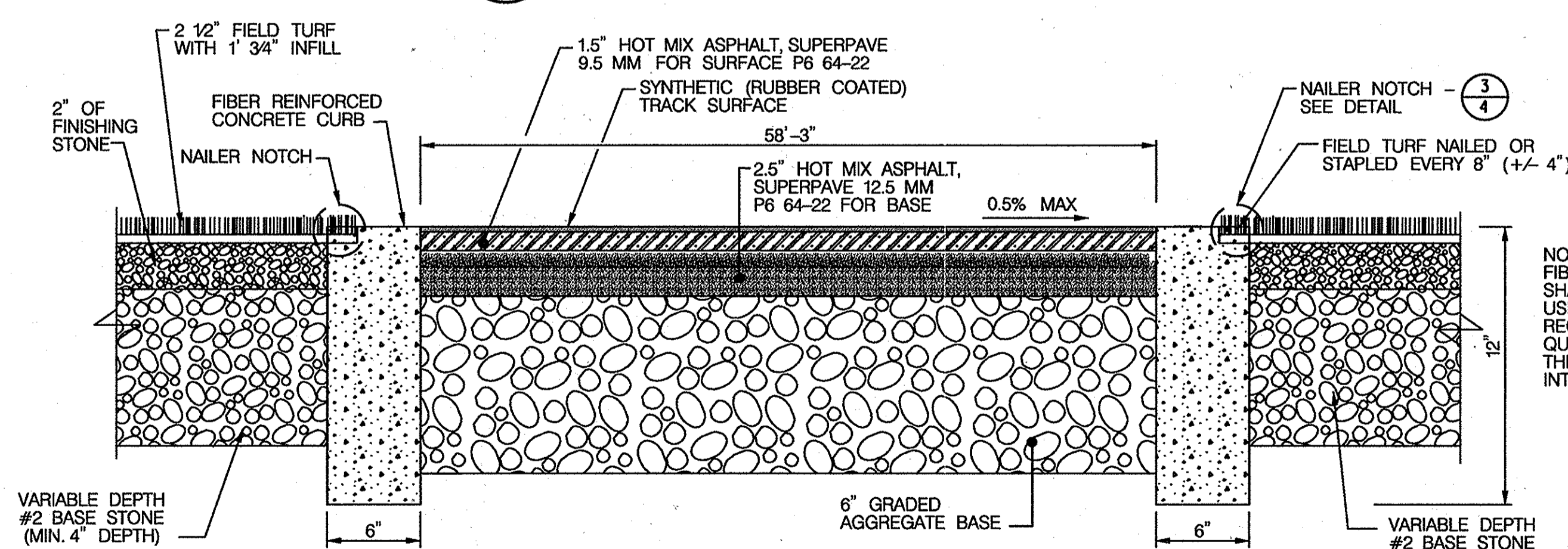
KVAE Data/Product Instructions & Parts Lists/CAG-HS/CSF-HS/CSF-HS Parts List.doc
Copyright © 2001 Aluminum Athletic Equipment Co.



POINT	NORTHING	EASTING	ELEVATION
200	577,411.6368	1,349,034.2030	456.47
202	577,427.6411	1,349,046.1973	456.51
203	577,445.7823	1,349,054.6174	456.58
204	577,805.1726	1,349,096.2436	456.57
205	577,824.7582	1,349,092.1932	456.50
206	577,843.0804	1,349,084.1748	456.39
207	577,859.3450	1,349,072.5360	456.35
208	577,872.8469	1,349,057.7813	456.48
209	577,883.0006	1,349,040.5504	456.53
210	577,889.3659	1,349,021.5904	456.62
211	577,891.6671	1,349,001.7232	456.62
212	577,889.8041	1,348,981.8102	456.53
213	577,883.8579	1,348,962.7146	456.48

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Handwritten signatures and dates:
 6/21/14
 6-23-14
 6-20-14



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: 8/28/2014

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 HOWARD COUNTY, MARYLAND

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

5/30/14
 6-3-14

ASSISTANT MANAGER OF GROUNDS SERVICES
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM

DES: RLL
 DRN: CDF
 CHK: DTM
 DATE: 04/13

NEW SHEET

REVISION

DATE

SCALE MAP NO. N/A BLOCK NO.

SITE DETAILS IV

SCALE AS SHOWN

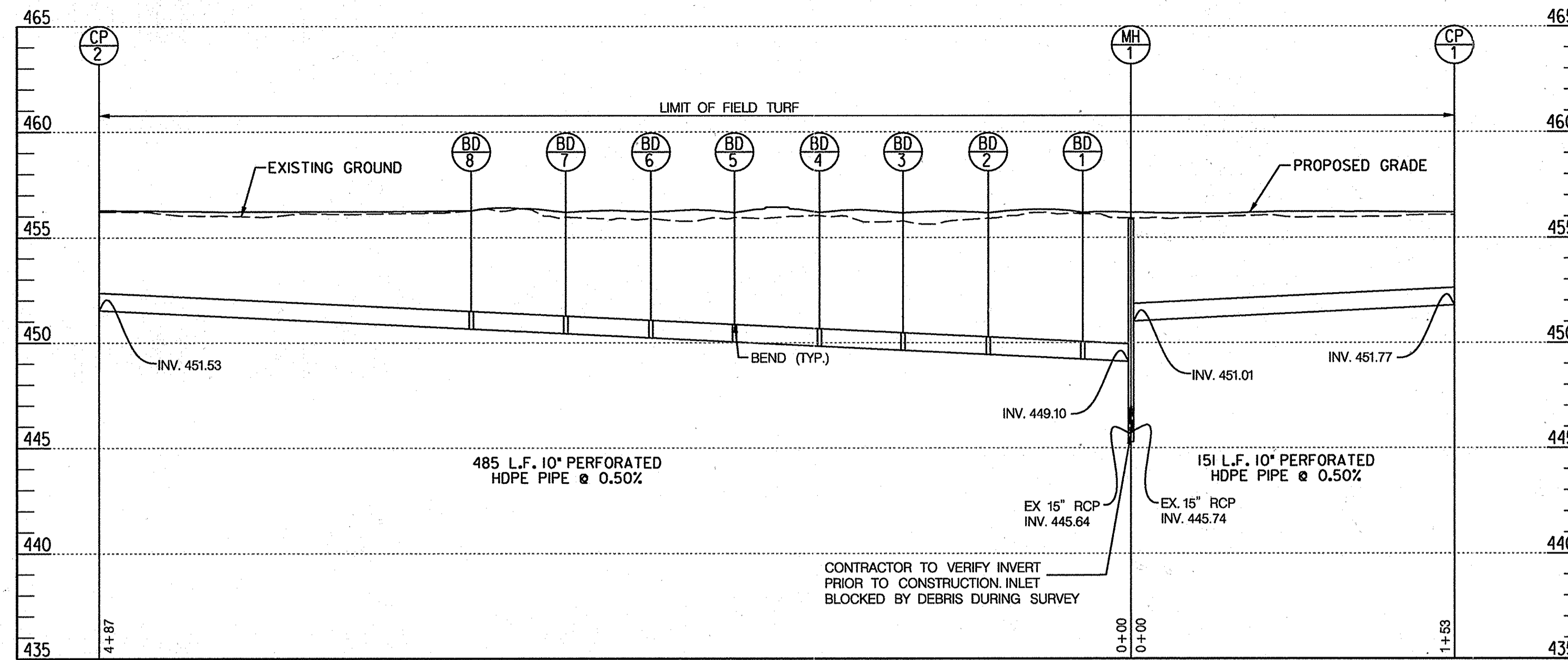
SHEET 48 OF 100

SDP-75-86

REVISED SITE DEVELOPMENT PLAN
 CENTENNIAL HIGH SCHOOL
 FIELD IMPROVEMENTS

2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

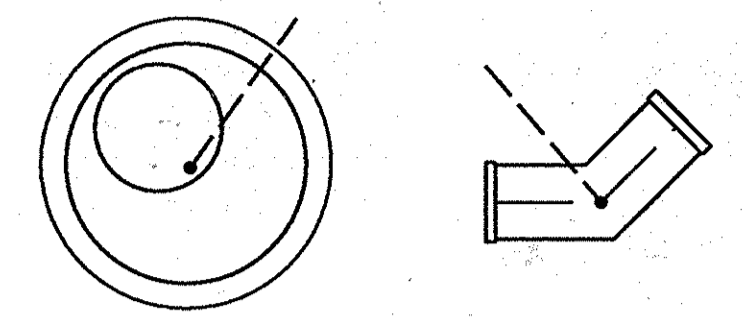
Friday, May 30, 2014 AT 10:41 AM ronald.lundrum



PIPE PROFILE (STA. 103+71, RT. TO STA. 103+71, LT.)

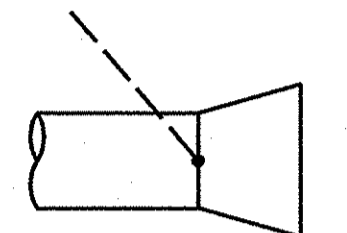
SCALE: HORZ. 1"=40'
VERT. 1"=4'

LOCATION POINT



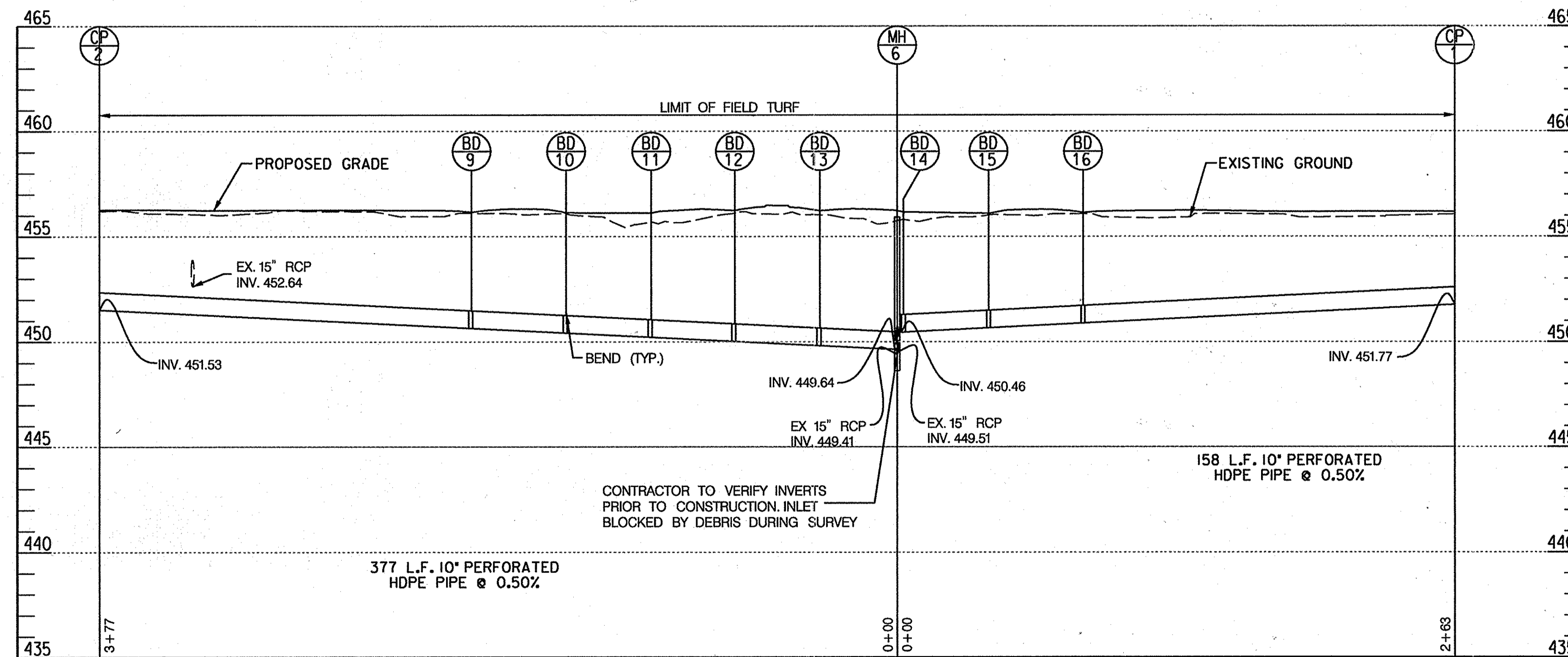
MANHOLE

BEND



END SECTION

NOTE:
SEE SHEET NO. 7 FOR STRUCTURE SCHEDULE.



PIPE PROFILE (STA. 103+71, RT. TO STA. 103+71, LT.)

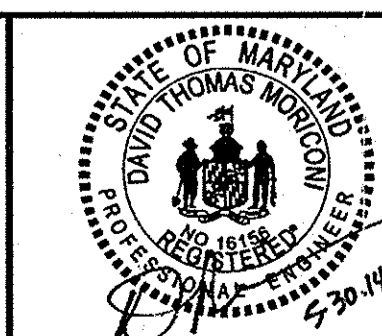
SCALE: HORZ. 1"=40'
VERT. 1"=4'

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Wanda J. Coyle 6/23/14
 DIRECTOR - DEPARTMENT OF PLANNING AND ZONING
W. J. Coyle 6-23-14
 CHIEF, DIVISION OF LAND DEVELOPMENT
Chad Edwards 6-20-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

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: 8/28/2014"

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 HOWARD COUNTY, MARYLAND
 DIRECTOR: HOWARD COUNTY RECREATION AND PARKS
 5/30/14
 ASSISTANT MANAGER: GROUNDS SERVICES
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 6/23/14

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



DES: RLL			
DRN: CDF			
CHK: DTM			
DATE: 04/13	DATE: 6-12-14	DATE: 6-12-14	DATE: 6-12-14
BY: NO.	REVISION	REVISION	REVISION

PIPE PROFILES
 SCALE MAP NO. N/A BLOCK NO.

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

SCALE AS SHOWN
 SHEET 9 OF 10
 49 50

FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS
Definition: The process of preparing the soils to sustain adequate vegetative stabilization.

FOR SEEDING AND MULCHING
Definition: The application of seed and mulch to establish vegetative cover.

FOR PERMANENT STABILIZATION
Definition: To stabilize disturbed soils with permanent vegetation.

FOR TEMPORARY STABILIZATION
Definition: To stabilize disturbed soils with vegetation for up to 6 months.

FOR SEQUENCE OF CONSTRUCTION - GENERAL NOTES
1. THE CONTRACTOR SHALL NOTIFY THE HOWARD 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.

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).

FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS
1. All seed must meet the requirements of the Maryland State Seed Law. All seed must be subject to testing by a recognized seed laboratory.

FOR SEEDING AND MULCHING
1. Soil test is required for any earth disturbance of 5 acres or more. The minimum soil conditions required for permanent vegetative establishment are:

FOR PERMANENT STABILIZATION
1. Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardiness Zone (from Figure B.3) and based on the site conditions or purpose listed on Table B.2.

FOR TEMPORARY STABILIZATION
1. Select one or more of the species or mixtures listed in Table B.1 for the appropriate Plant Hardiness Zone (from Figure B.3), and enter them in the Temporary Seeding Summary below along with application rates, seeding dates and seeding depths.

FOR SEQUENCE OF CONSTRUCTION - GENERAL NOTES
2. UTILITIES AND STORM DRAINS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS ARE FOR THE GUIDANCE OF THE CONTRACTOR ONLY.

SEDIMENT CONTROL GENERAL NOTES
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 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.

FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS
2. Permanent Stabilization
a. A soil test is required for any earth disturbance of 5 acres or more.

FOR SEEDING AND MULCHING
2. Application
a. Apply mulch to all seeded areas immediately after seeding.

FOR PERMANENT STABILIZATION
2. Turfgrass Mixtures
a. Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium to high level of maintenance.

FOR TEMPORARY STABILIZATION
2. Turfgrass Mixtures
b. Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium to high level of maintenance.

FOR SEQUENCE OF CONSTRUCTION - GENERAL NOTES
3. CLEAR AND GRUB AND PROCEED TO CONSTRUCTION ACCORDING TO THE SEQUENCE SPECIFIED ON THE TRAFFIC CONTROL PLAN SHEETS.

SEDIMENT CONTROL GENERAL NOTES
3. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS
3. Topsoiling
a. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation.

FOR SEEDING AND MULCHING
3. Mulching
a. Straw consisting of thoroughly dried wheat, rye, oat, or barley and reasonably bright in color.

FOR SEQUENCE OF CONSTRUCTION - GENERAL NOTES
4. CONSTRUCTION SHALL BE COMPLETED IN THE FOLLOWING SEQUENCE:

SEDIMENT CONTROL GENERAL NOTES
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOLUME 1, CHAPTER 7 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.

FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS
3. Topsoiling
b. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.

FOR SEEDING AND MULCHING
3. Mulching
b. Wood cellulose fiber mulch (WCFCM) consisting of specially prepared wood cellulose processed into a uniform fibrous physical state.

FOR PERMANENT STABILIZATION
3. Turfgrass Mixtures
c. Select turfgrass varieties from those listed in the most current University of Maryland Publication, Agronomy Manual #77, "Turfgrass Cultural Recommendations for Maryland".

FOR TEMPORARY STABILIZATION
3. Turfgrass Mixtures
c. Select turfgrass varieties from those listed in the most current University of Maryland Publication, Agronomy Manual #77, "Turfgrass Cultural Recommendations for Maryland".

FOR SEQUENCE OF CONSTRUCTION - GENERAL NOTES
5. MAINTAIN ALL SEDIMENT CONTROL PRACTICES ACCORDING TO THE MARYLAND 2011 STANDARDS UNTIL THE ENTIRE SITE IS STABILIZED.

SEDIMENT CONTROL GENERAL NOTES
5. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS
3. Topsoiling
c. Topsoil must be free of noxious plants or plant parts such as Bermuda grass, Johnsongrass, nut sedge, poison ivy, thistle, or others as specified.

FOR SEEDING AND MULCHING
3. Mulching
c. WCFCM material must not contain ferrous or composite at concentrations levels that will be phytotoxic.

FOR PERMANENT STABILIZATION
3. Turfgrass Mixtures
d. Select turfgrass varieties from those listed in the most current University of Maryland Publication, Agronomy Manual #77, "Turfgrass Cultural Recommendations for Maryland".

FOR TEMPORARY STABILIZATION
3. Turfgrass Mixtures
d. Select turfgrass varieties from those listed in the most current University of Maryland Publication, Agronomy Manual #77, "Turfgrass Cultural Recommendations for Maryland".

FOR SEQUENCE OF CONSTRUCTION - GENERAL NOTES
6. CONSTRUCTION SHALL BE COMPLETED IN THE FOLLOWING SEQUENCE:

SEDIMENT CONTROL GENERAL NOTES
6. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS
3. Topsoiling
d. Topsoil must be free of noxious plants or plant parts such as Bermuda grass, Johnsongrass, nut sedge, poison ivy, thistle, or others as specified.

FOR SEEDING AND MULCHING
3. Mulching
d. WCFCM material must not contain ferrous or composite at concentrations levels that will be phytotoxic.

FOR SEQUENCE OF CONSTRUCTION - GENERAL NOTES
7. CLEAR AND GRUB AND PROCEED TO CONSTRUCTION ACCORDING TO THE SEQUENCE SPECIFIED ON THE TRAFFIC CONTROL PLAN SHEETS.

SEDIMENT CONTROL GENERAL NOTES
7. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS
3. Topsoiling
e. Topsoil must be free of noxious plants or plant parts such as Bermuda grass, Johnsongrass, nut sedge, poison ivy, thistle, or others as specified.

FOR SEEDING AND MULCHING
3. Mulching
e. WCFCM material must not contain ferrous or composite at concentrations levels that will be phytotoxic.

FOR PERMANENT STABILIZATION
3. Turfgrass Mixtures
e. Select turfgrass varieties from those listed in the most current University of Maryland Publication, Agronomy Manual #77, "Turfgrass Cultural Recommendations for Maryland".

FOR TEMPORARY STABILIZATION
3. Turfgrass Mixtures
e. Select turfgrass varieties from those listed in the most current University of Maryland Publication, Agronomy Manual #77, "Turfgrass Cultural Recommendations for Maryland".

FOR SEQUENCE OF CONSTRUCTION - GENERAL NOTES
8. CONSTRUCTION SHALL BE COMPLETED IN THE FOLLOWING SEQUENCE:

SEDIMENT CONTROL GENERAL NOTES
8. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS
3. Topsoiling
f. Topsoil must be free of noxious plants or plant parts such as Bermuda grass, Johnsongrass, nut sedge, poison ivy, thistle, or others as specified.

FOR SEEDING AND MULCHING
3. Mulching
f. WCFCM material must not contain ferrous or composite at concentrations levels that will be phytotoxic.

FOR PERMANENT STABILIZATION
3. Turfgrass Mixtures
f. Select turfgrass varieties from those listed in the most current University of Maryland Publication, Agronomy Manual #77, "Turfgrass Cultural Recommendations for Maryland".

FOR TEMPORARY STABILIZATION
3. Turfgrass Mixtures
f. Select turfgrass varieties from those listed in the most current University of Maryland Publication, Agronomy Manual #77, "Turfgrass Cultural Recommendations for Maryland".

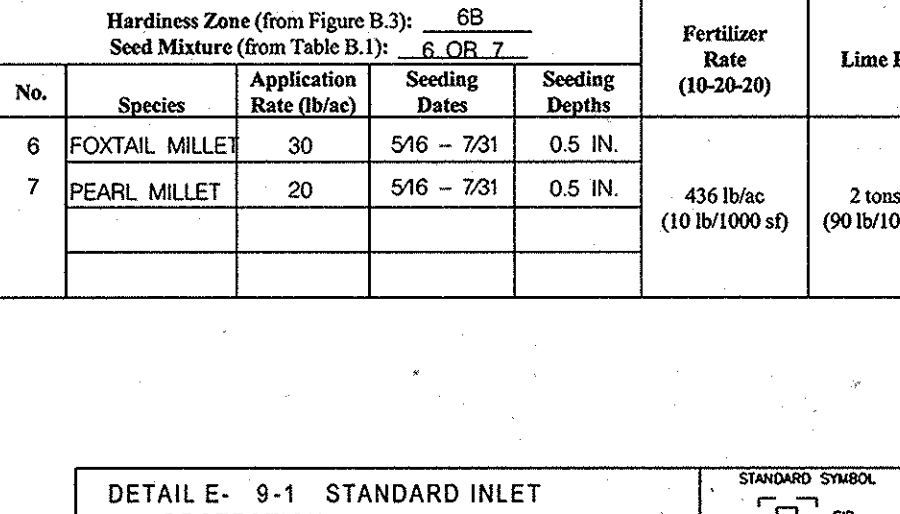
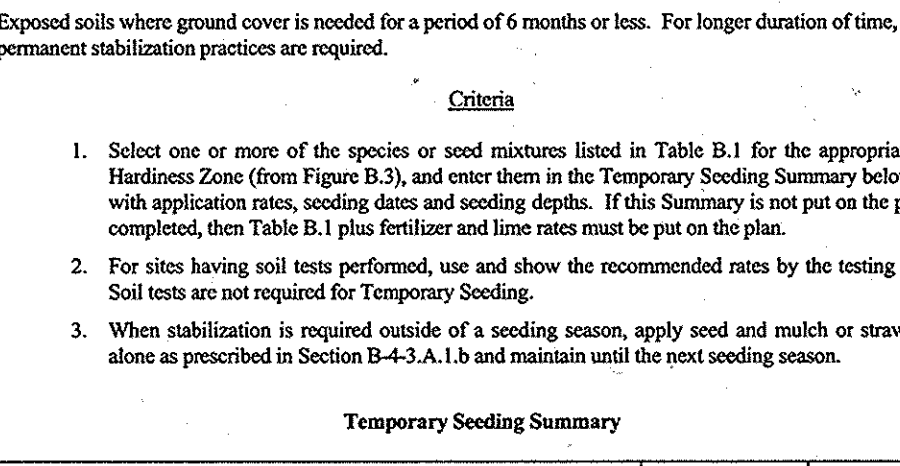
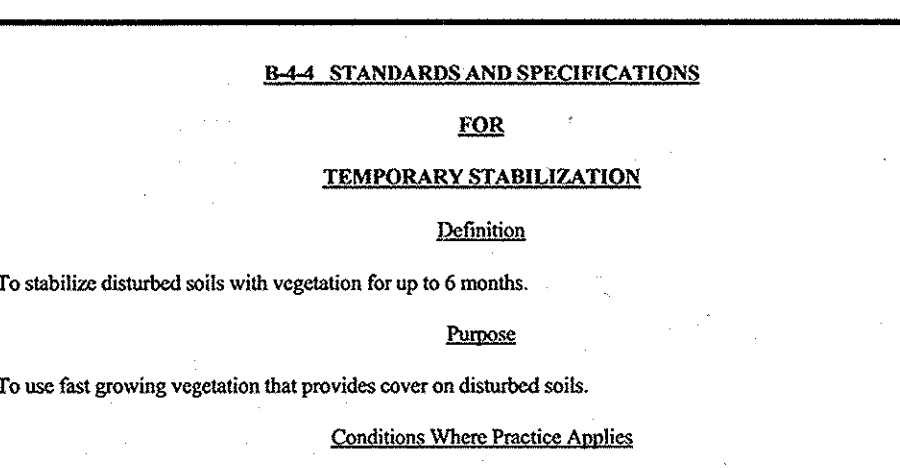


Table with 4 columns: No., Species, Application Rate (lb/acre), Seeding Date, Seeding Depth, Fertilizer Rate (lb/1000 sq ft), Lime Rate (lb/1000 sq ft). Rows include FOCIAL MILLET and PEARL MILLET.

Table with 4 columns: No., Species, Application Rate (lb/acre), Seeding Date, Seeding Depth, Fertilizer Rate (lb/1000 sq ft), Lime Rate (lb/1000 sq ft). Rows include TALL FESCUE and TALL FESCUE.

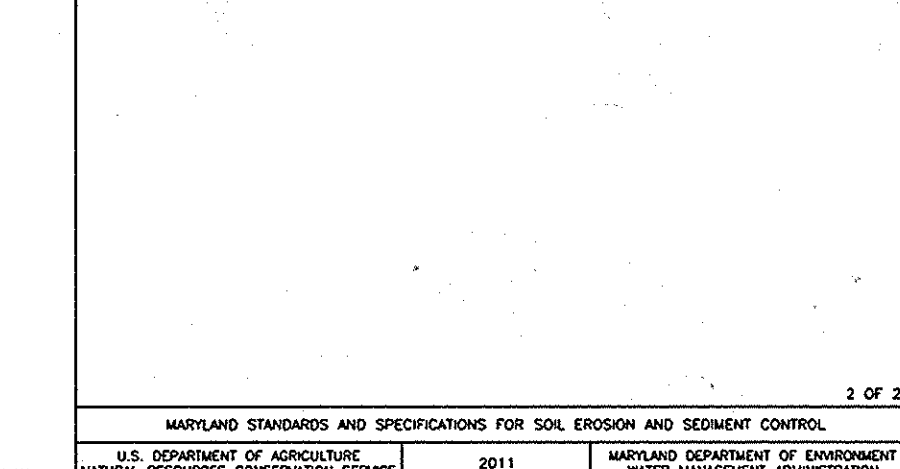
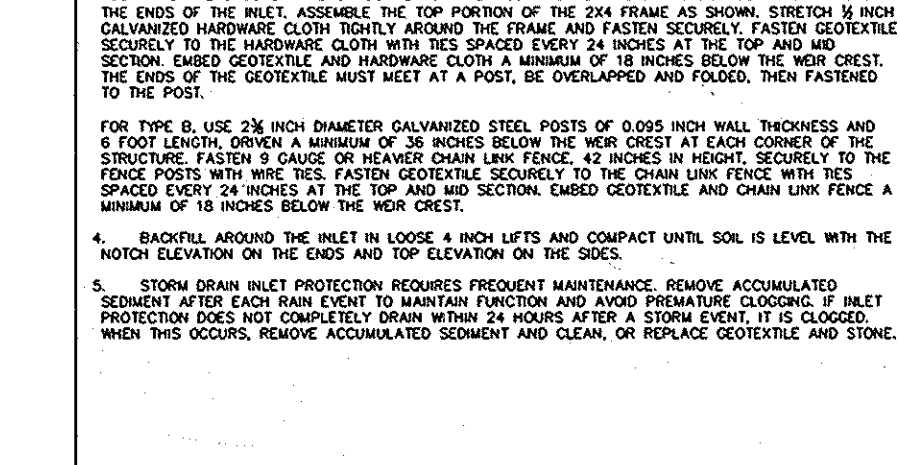
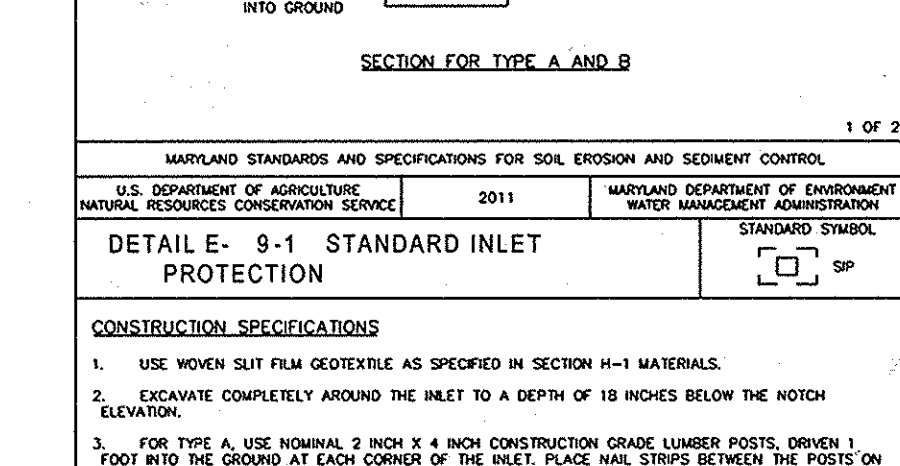
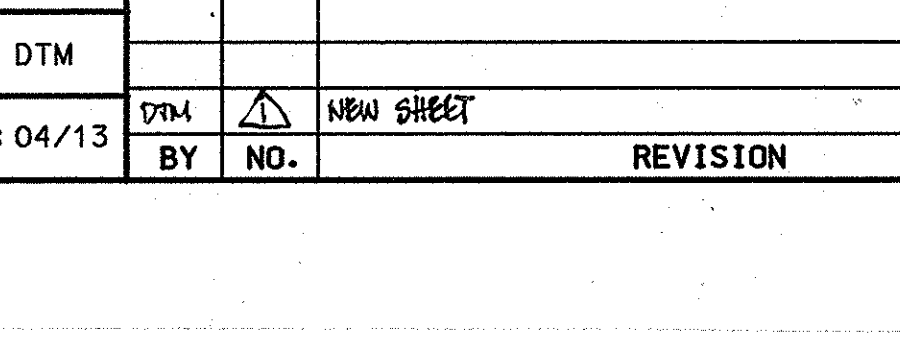


Table with 4 columns: No., Species, Application Rate (lb/acre), Seeding Date, Seeding Depth, Fertilizer Rate (lb/1000 sq ft), Lime Rate (lb/1000 sq ft). Rows include TALL FESCUE and TALL FESCUE.



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: 8/28/2014.

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
David A. ... DATE: 6/23/14

STATE OF MARYLAND
DEPARTMENT OF PLANNING AND ZONING
CHIEF, DIVISION OF LAND DEVELOPMENT

DES: RLL
DRN: CDF
CHK: DTM
DATE: 04/13

EROSION AND SEDIMENT CONTROL DETAILS AND NOTES
SCALE MAP NO. N/A BLOCK NO.

REVISOR
BY NO. REVISION DATE

SCALE MAP NO. N/A BLOCK NO.

REVISOR
BY NO. REVISION DATE

SCALE MAP NO. N/A BLOCK NO.

REVISOR
BY NO. REVISION DATE

SCALE MAP NO. N/A BLOCK NO.

REVISOR
BY NO. REVISION DATE

REVISOR
BY NO. REVISION DATE

REVISOR
BY NO. REVISION DATE

REVISOR
BY NO. REVISION DATE

REVISOR
BY NO. REVISION DATE

REVISOR
BY NO. REVISION DATE

REVISOR
BY NO. REVISION DATE

REVISOR
BY NO. REVISION DATE

REVISOR
BY NO. REVISION DATE

REVISOR
BY NO. REVISION DATE

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND
DIRECTOR, HOWARD COUNTY RECREATION AND PARKS
DATE: 5/29/14

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND
ASSTANT MANAGER, GROUNDS SERVICES
DATE: 6-23-14

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 6-20-14

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND
DATE: 04/13

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND
DATE: 6-12-14

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND
DATE: 5/20/14

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND
DATE: 5/20/14

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND

HOWARD COUNTY PUBLIC SCHOOL SYSTEM
HOWARD COUNTY, MARYLAND