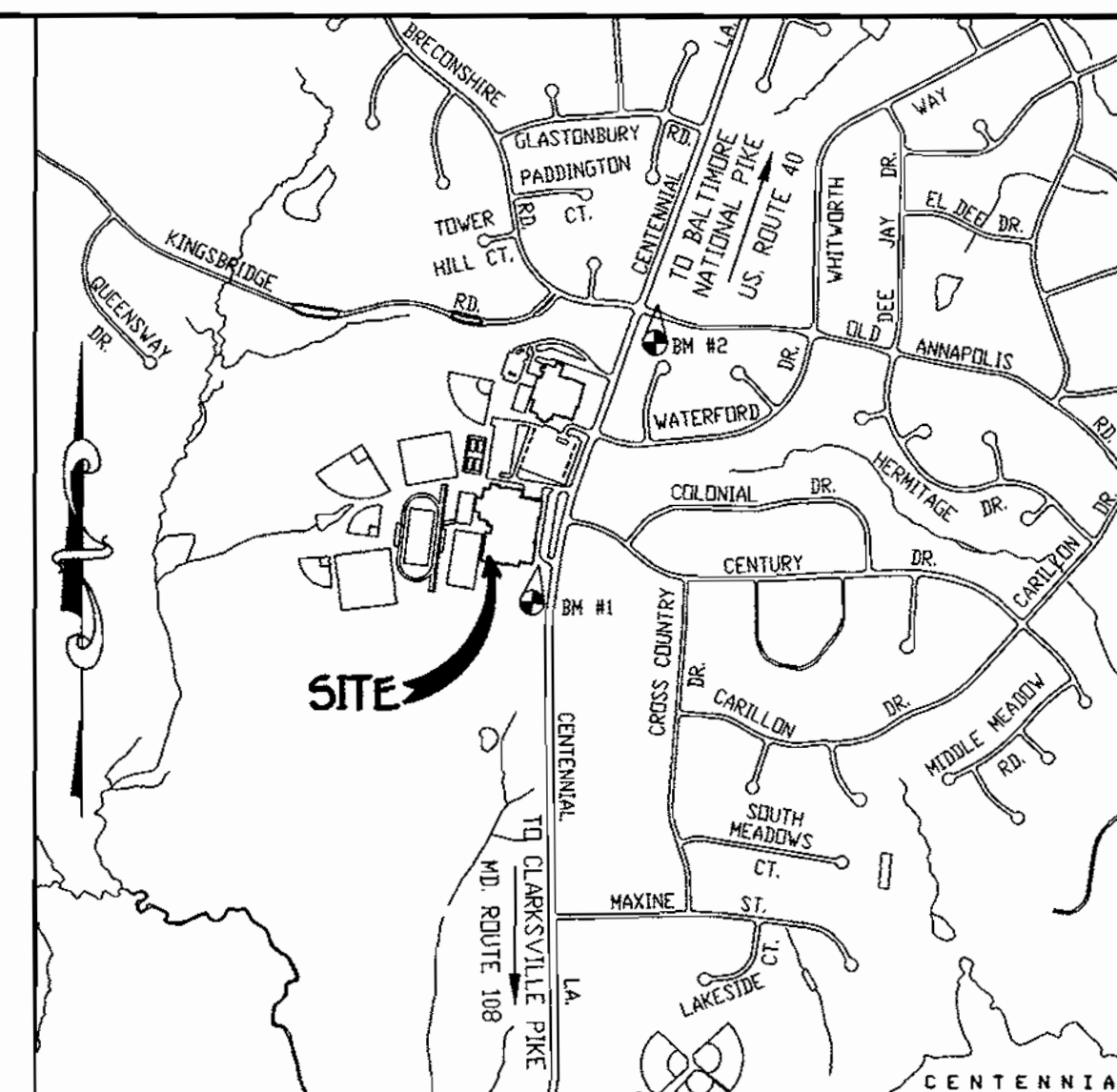


### BENCH MARKS

BM NO. 1  
 ELEV. = 480.008 FT.  
 146.306 M.  
 N 577,373,333 FT. - 175,983,683 M.  
 E 1,349,475,227 FT. - 411,404,997 M.  
 STAMPED BRASS OR ALUMINUM DISC SET ON TOP OF A 3' DEEP CONCRETE COLUMN, LOCATED 1'-2" BELOW TERRAIN SURFACE, KNOWN AS HOWARD COUNTY CONTROL POINT '0023' ON NAD '83.  
 NAD '27 COORDINATES (APPROX.) ARE:  
 N 516,624.30 FT.  
 E 837,333.10 FT.

BM NO. 2  
 ELEV. = 386.482 FT.  
 117.8 M.  
 N 579,160,282 FT. - 176,528,407 M.  
 E 1,350,477,506 FT. - 411,626,367 M.  
 STAMPED BRASS OR ALUMINUM DISC SET ON TOP OF A 3' DEEP CONCRETE COLUMN, LOCATED 1'-2" BELOW TERRAIN SURFACE, KNOWN AS HOWARD COUNTY CONTROL POINT '24GA' ON NAD '83.  
 NAD '27 COORDINATES (APPROX.) ARE:  
 N 518,411 FT.  
 E 830,059 FT.



VICINITY MAP  
 SCALE: 1" = 1200'

PUBLIC ROAD  
**CENTURY DRIVE**  
 (VARIABLE R/W)

PUBLIC ROAD  
**CENTENNIAL LANE**  
 (VARIABLE R/W)

- ### SEQUENCE OF CONSTRUCTION
- OBTAIN A GRADING PERMIT.
  - NOTIFY MISS UTILITY AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK AT 1-800-257-7777. NOTIFY THE HOWARD COUNTY OFFICE OF CONSTRUCTION/INSPECTION AT 410-313-1890 AT LEAST 24 HOURS BEFORE STARTING WORK.
  - INSTALL ALL SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLANS, INCLUDING ALL SILT FENCE AND CONSTRUCTION FENCING. INSTALL MACADAM STABILIZED CONSTRUCTION ENTRANCE AND CONSTRUCTION ROAD. (1/2 WEEK)
  - AFTER SECURING THE SITE FROM THE INTERIOR TO DIVERT THE STUDENTS AWAY FROM THE CONSTRUCTION, PROCEED WITH REMOVING EXISTING FEATURES SHOWN TO BE REMOVED ON THE DEMOLITION PLAN. REMOVE EXISTING STORM DRAINS FROM I-37 TO I-38 TO M-3 TO M-4. REMOVE THE EXISTING ROOF DRAINS THAT ARE SHOWN TO BE REMOVED ON THE PLAN. SAWCUT EXISTING CONCRETE TO BE REMOVED. (3 WEEKS)
  - PROCEED WITH CONSTRUCTION OF THE PROPOSED BUILDING ADDITIONS AS SHOWN ON THE PLANS AND PER THE MECHANICAL AND ARCHITECTURAL PLANS. (20 WEEKS)
  - REMOVE STORM DRAIN PIPE FROM I-34 TO I-35 TO I-36. INSTALL NEW STORM DRAIN FROM I-34 TO I-34A TO I-34B TO M-4A TO I-34C TO I-34D. INSTALL ROOF LEADER DRAINS OUT OF I-34C AND I-34D TO CONNECT TO ROOF LEADER SYSTEM. INSTALL NEW INLET AT I-37 AND ROOF LEADER DRAIN. CONNECT ALL PIPES TO ROOF LEADER DRAINS. (3 WEEKS)
  - CONSTRUCT PROPOSED SANITARY SEWER CONNECTION FROM THE BUILDING EXPANSION TO THE EXISTING SANITARY MANHOLE IN THE FRONT OF THE BUILDING UPON MAKING THE CONNECTION TO THE EXISTING MANHOLE. CONTRACTOR SHALL REFORM EXISTING CHANNEL WITHIN THE EXISTING MANHOLE TO INSURE A SMOOTH FLOW. (1 WEEK)
  - CONSTRUCT PROPOSED CONCRETE SIDEWALKS AS SHOWN ON THE PLANS. (1 WEEK)
  - STABILIZE ALL DISTURBED AREAS WITH PERMANENT SEEDING AS REQUIRED. (1/2 WEEK)
  - FLUSH ALL STORM DRAIN TO REMOVE ANY TRAPPED SEDIMENT FROM THE PIPES AND NEW STRUCTURES. REMOVE ALL SEDIMENT CONTROL FEATURES THAT WERE INVOLVED WITH THE BUILDING AREA. (1/2 DAY)
  - NOTIFY HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS FOR A FINAL INSPECTION OF THIS PORTION OF THE PROJECT.
  - BEGIN CONSTRUCTION ON THE STORM WATER MANAGEMENT POND.
  - PUMP THE EXISTING POND SO THAT THE WORK ON THE RISER STRUCTURE AND FOREBAY CAN BE COMPLETED. (1/2 WEEK)
  - UPON COMPLETION OF THE PUMPING PROCESS OF THE POND, CONTRACTOR SHALL CLEAN OUT THE POND BOTTOM AND REMOVE ANY LOOSE SEDIMENT. RESTORE THE POND TO THE ORIGINAL CONTOURS AS SHOWN ON THESE PLANS. PLACE ANY LOOSE SEDIMENT UPHILL FROM THE PROJECT AND STABILIZE WITH PERMANENT SEEDING. (1 WEEK)
  - INSTALL GABION WEIR AND GRADE FOREBAY AS SHOWN ON THE PLANS. CONSTRUCT THE RIP-RAP INFLOW PROTECTION AS SHOWN OUT OF THE EXISTING STORM DRAIN END SECTION 5+2. (2 WEEKS)
  - CONTRACTOR SHALL REMOVE THE EXISTING TRASH RACK ON THE TOP OF THE EXISTING CONCRETE RISER STRUCTURE TO ALLOW FOR ACCESS TO INSTALL THE PROPOSED GATE VALVE AS SHOWN ON THE PLANS. (1/2 DAY)
  - UPON REMOVAL OF ANY VEGETATION AROUND THE RISER STRUCTURE, THE CONTRACTOR SHALL INSTALL THE GATE VALVE AND CONSTRUCT THE INVERTED SIPHON AS SHOWN ON THE PLANS. (1 DAY)
  - PLACE THE EXISTING TRASH RACK BACK ON TOP OF THE RISER STRUCTURE AND RE-BOLT THE TRASH RACK TO THE RISER. (1/2 DAY)
  - STABILIZE ANY REMAINING DISTURBED AREAS WITH PERMANENT SEEDING. (1/2 DAY)
  - NOTIFY HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS FOR A FINAL INSPECTION OF THIS FINAL SEGMENT OF THE PROJECT.
  - PROVIDE AN AS-BUILT FOR THE S.W.M. POND TO THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

- ### GENERAL NOTES:
- THE CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION AT 410-313-1890 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
  - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST ONE (1) WEEK PRIOR TO BEGINNING ANY EXCAVATION WORK.
  - LOCATIONS OF EXISTING UTILITIES SHOWN ARE TAKEN FROM PORTIONS OF FIELD RUN TOPOGRAPHY AND EXISTING SCHOOL PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATION AND VERIFICATION OF ALL UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION.
  - THE CONTRACTOR SHALL TAKE ALL MEANS NECESSARY TO PROTECT CONDITIONS TO BE PRESERVED INCLUDING TREES ON SITE, ALL CURBS, SIDEWALKS, PAVEMENT, SIGNS, FENCES, UTILITIES, UTILITY POLES, AND OTHER ITEMS OUTSIDE THE LIMIT OF DISTURBANCE UNLESS INDICATED TO BE REMOVED. IN THE EVENT OF ANY DAMAGE, THE CONTRACTOR SHALL MAKE ALL REPAIRS AND REPLACEMENTS REQUIRED TO THE APPROVAL OF THE ARCHITECT, AND AT NO ADDITIONAL COST TO THE OWNER.
  - SITE ANALYSIS:
    - PROPERTY OWNER: HOWARD COUNTY PUBLIC SCHOOL SYSTEM, 10910 MARYLAND ROUTE 108, ELLICOTT CITY, MD 21042
    - USE: CENTENNIAL HIGH SCHOOL, CLASSROOM ADDITION, CATERERIA ADDITION, CENTENNIAL LANE, ELLICOTT CITY, MARYLAND 21042
    - TAX MAP 24, PARCEL 1095
    - TOTAL AREA OF SITE: 66.16 AC.
    - ZONING: R-20
    - EXISTING PLAN NO. SDP 90-200, SDP 75-86
    - ADDITIONAL FLOOR AREA = 28,314 SQ. FT.
    - SEE SHEET 2 FOR PARKING ANALYSIS.
    - HORIZONTAL AND VERTICAL CONTROL DATUM WAS USED FROM SDP 90-200 & FROM HOWARD COUNTY CONTROL STATIONS 24 GA AND 0023 - NAD '83.
  - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
  - TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
  - ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
  - THE EXISTING TOPOGRAPHY IS TAKEN FROM A FIELD RUN SURVEY WITH TWO FOOT CONTOUR INTERVALS PREPARED BY FISHER, COLLINS & CARTER, INC. DATED JULY, 2000.
  - THE COORDINATES SHOWN HEREON ARE BASED ON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM, HOWARD COUNTY MONUMENT NOS. 24GA AND 0023 WERE USED FOR THIS PROJECT.
  - WATER IS PUBLIC (CONTRACT NO. 163 W, PATUXENT DRAINAGE AREA).
  - SEWER IS PUBLIC (CONTRACT NO. 20-1291, PATUXENT DRAINAGE AREA).
  - STORMWATER MANAGEMENT IS EXISTING AND WILL BE UPGRADED WITH A FOREBAY AS SHOWN ON THESE PLANS. OWNERSHIP AND MAINTENANCE WILL BE THE RESPONSIBILITY OF THE HOWARD COUNTY BOARD OF EDUCATION.
  - EXISTING UTILITIES ARE BASED ON FIELD RUN TOPOGRAPHY, AS WELL AS CONTRACT NOS. 163 W AND 20-1291.
  - THERE IS NO FLOODPLAIN ON THIS SITE.
  - THE EXISTING WETLANDS DELINEATION IS AS SHOWN ON THE BENGTSON, DEBELL, ELLEN & TITUS, LTD. PLANS FROM SDP 90-200. A WETLAND BUFFER IS SHOWN ON THESE PLANS. THE WETLANDS DELINEATION WAS APPROVED IN NOVEMBER, 1990 FROM SDP 90-200.
  - NO TRAFFIC STUDY IS REQUIRED FOR THIS PROJECT.
  - REFERENCE PREVIOUS FILE NUMBERS: SDP 90-200, SDP 75-86
  - THE EXISTING BUILDINGS ARE 251,225 SQ.FT. (BUILDING COVERAGE = 8.7% OF SITE). THE PROPOSED BUILDING ADDITION IS 28,314 SQ.FT. (BUILDING COVERAGE = 1.0% OF SITE). THE TOTAL BUILDING COVERAGE FOR THIS SITE IS 9.70%.
  - THERE ARE NO CEMETARIES OR BURIAL GROUNDS LOCATED ON THIS SITE.
  - ALL EXTERIOR LIGHTING SHALL COMPLY WITH SECTION 134 OF THE ZONING REGULATIONS. THE LIGHTING SHALL BE POST TOP MOUNTED MODERN FIXTURES ON A GREY 14" FIBERGLASS POLE WITH A 10,000 LUMENS BULB.
  - A WETLAND PERMIT WAS SUBMITTED ON DECEMBER 17, 2000 TO M.D.E., TRACKING NO. 20016088B.
  - THIS PLAN IS EXEMPT FROM THE FOREST CONSERVATION REQUIREMENTS OF SECTION 161202 OF THE HOWARD COUNTY CODE BASED ON SITE DEVELOPMENT APPROVAL PRIOR TO 12/31/92.

**PLAN**  
 SCALE: 1" = 50'

**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.

### LEGEND

Symbol	Description
--- (dashed)	Existing Contour 2' Interval
--- (longer dashes)	Existing Contour 10' Interval
--- (shorter dashes)	Proposed Contour 2' Interval
--- (longer shorter dashes)	Proposed Contour 10' Interval
+ 624	Spot Elevation
-SF-SF-	Silt Fence
FF	First Floor Elevation
BE	Basement Elevation
-X-X-	Tree Protection
--- (wavy)	Existing Tree Line
L.O.D.	Limit Of Disturbance
(X)	Existing Street Tree
--- (cross-hatched)	Demolition Area

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PLACE  
 ELLICOTT CITY, MARYLAND 21042  
 410.461.2065

SDP 01-41  
 CONFORMING 5/24/07 C1 0819 PLANNING

**ENGINEER'S CERTIFICATE**  
 "I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."  
 Signature of Engineer (Print name below signature) *Chell* Date *1/12/01*

**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 any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."  
 Signature of Developer (Print name below signature) *M. P. ...* Date *1/12/01*

Reviewed for HOWARD SCD and meet Technical Requirements.  
 Signature *Jim ...* Date *2/27/01*  
 U.S. Department of Natural Resources  
 Conservation Service  
 This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.  
 Signature *...* Date *2/27/01*  
 Howard SCD

**OWNER**  
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM  
 10910 MARYLAND ROUTE 108  
 ELLICOTT CITY, MARYLAND 21042

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature *...* Date *2/1/01*  
 Chief, Division of Land Development

Signature *...* Date *2/2/01*  
 Chief, Development Reviewing Division

Signature *...* Date *3/2/01*  
 Director, Department of Planning and Zoning

PROJECT	SECTION/AREA	PARCEL NO.
CENTENNIAL HIGH SCHOOL		1095

DEED	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
698/608	19	R-20	24	2nd.	60 23.01

WATER CODE	SEWER CODE
J 01	5740300

### SHEET INDEX

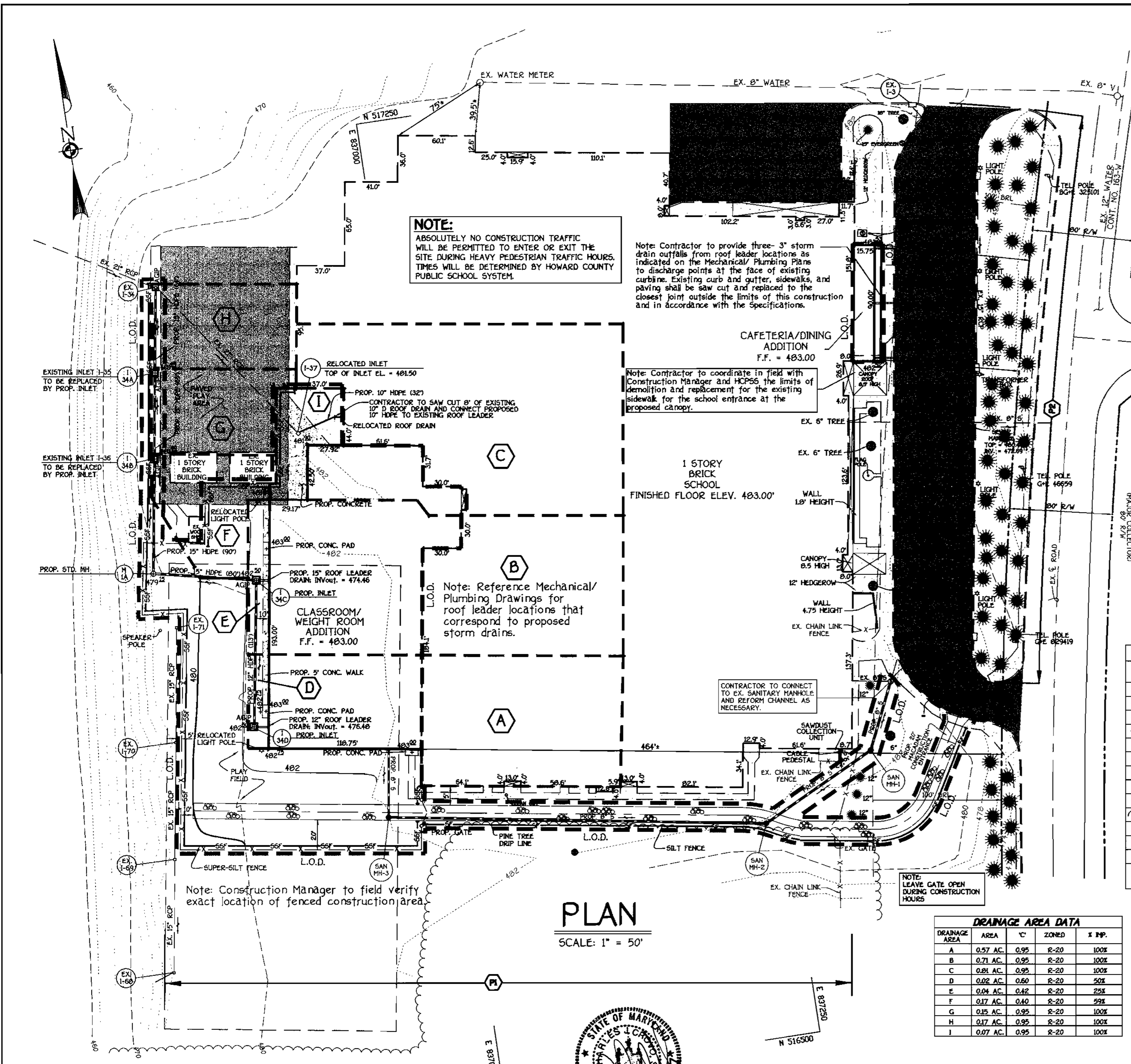
Sheet No.	Description
1	DEMOLITION PLAN, VICINITY MAP & GENERAL NOTES
2	SITE IMPROVEMENT PLAN, S.W.M. POND ACCESS
3	STORMWATER MANAGEMENT PLAN AND DETAILS
4	PROFILE AND DETAIL SHEET
5	SEDIMENT & EROSION CONTROL NOTES AND DETAILS

**DEMOLITION PLAN**  
**BUILDING ADDITIONS AND S.W.M. ACCESS**  
**CENTENNIAL HIGH SCHOOL**

ZONED R-20

TAX MAP No: 24 PARCEL No: 1095 GRID No: 19  
 2nd. ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JANUARY 12, 2001  
 SHEET 1 OF 5

SDP-01-41



**PARKING TABULATION INFORMATION**

- HOWARD COUNTY PUBLIC SCHOOL SYSTEM PROJECTS 1400 STUDENT CAPACITY FOR CENTENNIAL HIGH SCHOOL AFTER COMPLETION OF THIS WORK.
- 1400 STUDENTS • 1 PARKING SPACE PER 3 STUDENTS = 467 SPACES REQUIRED.
- 460 PARKING SPACES EXIST FOR THE USE OF CENTENNIAL HIGH SCHOOL (457 STANDARD SPACES AND 11 HANDICAP ACCESSIBLE SPACES).
- NO NEW SPACES ARE REQUIRED TO ACCOMMODATE THE PROPOSED BUILDING ADDITION.
- OVERFLOW PARKING ABOVE AND BEYOND THE 460 SPACES PROVIDED FOR THIS PROJECT ARE LOCATED TO THE NORTH SIDE OF THIS LOT.
- IN ADDITION, HOWARD COUNTY PUBLIC SCHOOL SYSTEM WILL BE REMARKING THE EXISTING BUS LOOP TO ADD A FEW FACULTY SPACES, AS WELL AS 5 ADDITIONAL BUS SPACES.

**BOUNDARY INFORMATION**

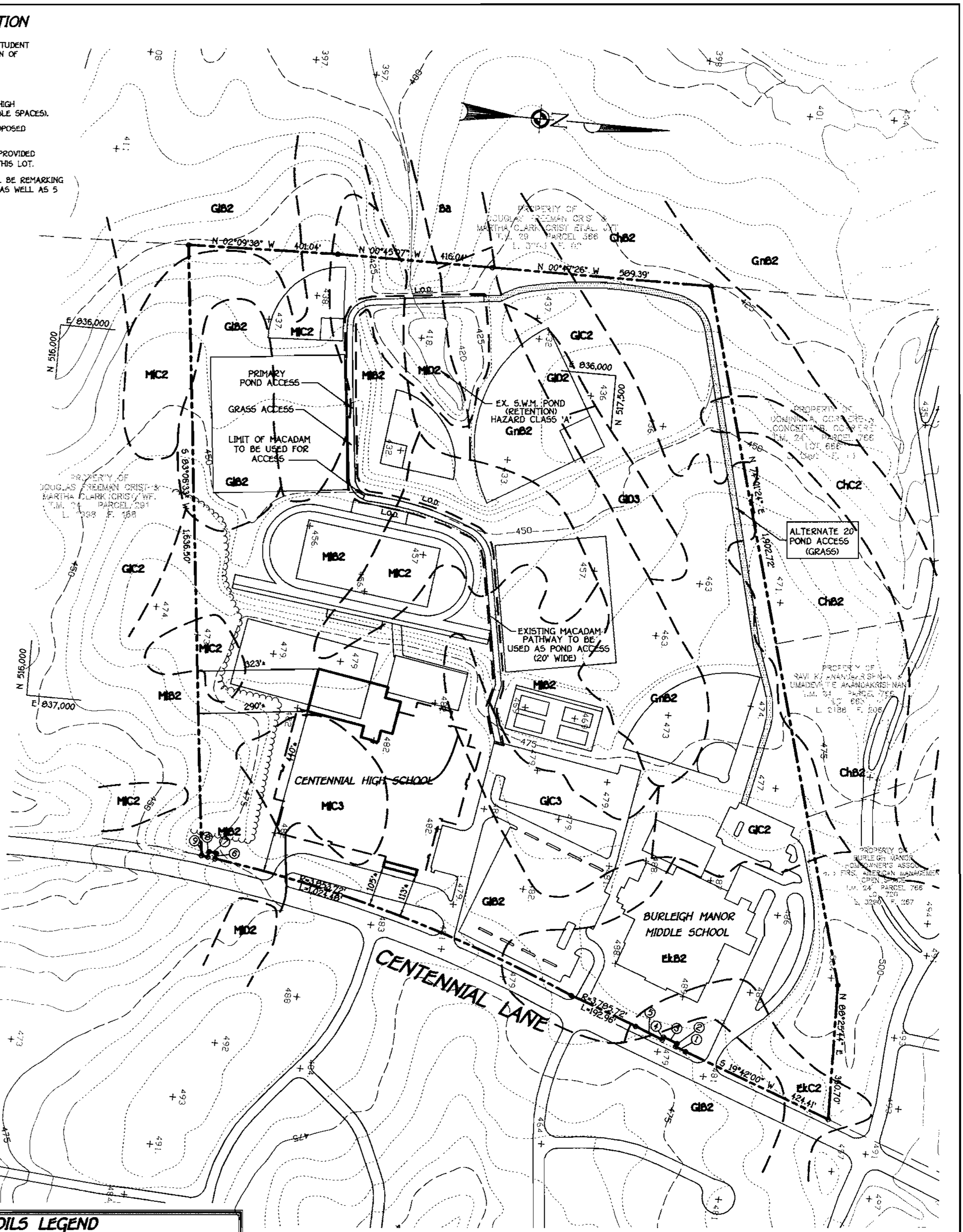
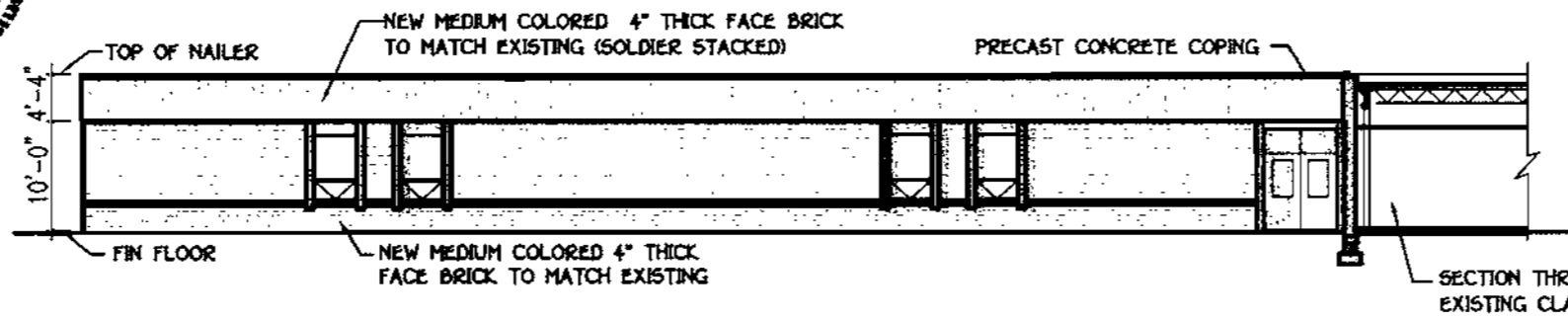
BOUND. LINE	BEARING & DISTANCE
1	S 21°13'39" W 30.01'
2	N 70°18'00" W 9.20'
3	S 19°42'00" W 40.00'
4	S 70°18'00" E 8.13'
5	S 21°13'31" W 80.02'
6	N 82°53'52" W 15.00'
7	S 07°15'08" W 20.26'
8	S 82°53'52" E 15.00'
9	R = 3,853.72" L = 17.44'

**LEGEND**

Symbol	Description
---	Existing Contour 2' Interval
---	Existing Contour 10' Interval
---	Proposed Contour 2' Interval
---	Proposed Contour 10' Interval
+ 624	Spot Elevation
---	Super Silt Fence
FF	First Floor Elevation
BE	Basement Elevation
-X-X-	Chain Link Construction Fencing
---	Existing Tree Line
L.O.D.	Limit Of Disturbance
⊙	Existing Street Tree
⊠	AGIP At Grade Inlet Protection
⊙	Existing Pine Tree

**DRAINAGE AREA DATA**

DRAINAGE AREA	AREA	IC	ZONED	I IMP.
A	0.57 AC.	0.95	R-20	100%
B	0.71 AC.	0.95	R-20	100%
C	0.81 AC.	0.95	R-20	100%
D	0.02 AC.	0.60	R-20	50%
E	0.04 AC.	0.42	R-20	25%
F	0.17 AC.	0.40	R-20	50%
G	0.15 AC.	0.95	R-20	100%
H	0.17 AC.	0.95	R-20	100%
I	0.07 AC.	0.95	R-20	100%



**SOILS LEGEND**

SOIL	NAME	CLASS
** BA	Balle silt loam	D
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
ChC2	Chester silt loam, 8 to 15 percent slopes, moderately eroded	B
ElB2	Elk oak silt loam, 3 to 8 percent slopes, moderately eroded	B
ElC2	Elk oak silt loam, 8 to 15 percent slopes, moderately eroded	B
GIB2	Glenels loam, 3 to 8 percent slopes, moderately eroded	B
GIC2	Glenels loam, 8 to 15 percent slopes, moderately eroded	B
GID2	Glenels loam, 15 to 25 percent slopes, moderately eroded	B
GID3	Glenels loam, 15 to 25 percent slopes, severely eroded	B
* GB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
MB2	Minor loam, 3 to 8 percent slopes, moderately eroded	B
MC2	Minor loam, 8 to 15 percent slopes, moderately eroded	B
MC3	Minor loam, 8 to 15 percent slopes, severely eroded	B

**SCHEDULE B PARKING LOT INTERNAL LANDSCAPING**

NUMBER OF PARKING SPACES	360
NUMBER OF TREES REQUIRED	30
NUMBER OF TREES PROVIDED	100% CREDIT (P-3)
SHADE TREES	
OTHER TREES (2) SUBSTITUTION	

**SCHEDULE A PERIMETER LANDSCAPE EDGE**

PERIMETER	CATEGORY	LANDSCAPE TYPE	LINEAR FEET OF ROADWAY FRONTAGE PERIMETER	CREDIT FOR EXISTING VEGETATION (YES/NO, LINEAR FEET)	CREDIT FOR WALL, FENCE OR BENCH (YES/NO, LINEAR FEET)	NUMBER OF PLANTS REQUIRED	NUMBER OF PLANTS PROVIDED
P-1	ADJACENT TO ROADWAY	A	450'	YES (450')	NO	0	0
P-2	ADJACENT TO ROADWAY	B	420'	YES (420')	NO	9	11

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

Signature of Engineer (Print name below signature) *William H. Hesse* 1/12/01 Date

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

Signature of Developer (Print name below signature) *William H. Hesse* 1/12/01 Date

Reviewed for HOWARD SCD and meets Technical Requirements.

U.S.D.A. Natural Resources Conservation Service  
Signature: *Jim Myers / us* 2/27/01 Date

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.  
Signature: *John A. ...* 2/27/01 Date

**OWNER**  
HOWARD COUNTY PUBLIC SCHOOL SYSTEM  
10910 MARYLAND ROUTE 100  
ELLCOTT CITY, MARYLAND 21042

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature: *Wanda Hamstra* 3/1/01 Date  
Chief, Division of Land Development

Signature: *John ...* 2/2/01 Date  
Chief, Development Engineering Division

Signature: *Joseph ...* 3/2/01 Date  
Director, Department of Planning and Zoning

PROJECT	CENTENNIAL HIGH SCHOOL
SECTION/AREA	
PARCEL NO.	1095
DEED	696/60B
BLOCK NO.	19
ZONE	R-20
TAX MAP	24
ELEC. DIST.	2nd
CENSUS TR.	60 23.01
WATER CODE	J 01
SEWER CODE	5740300

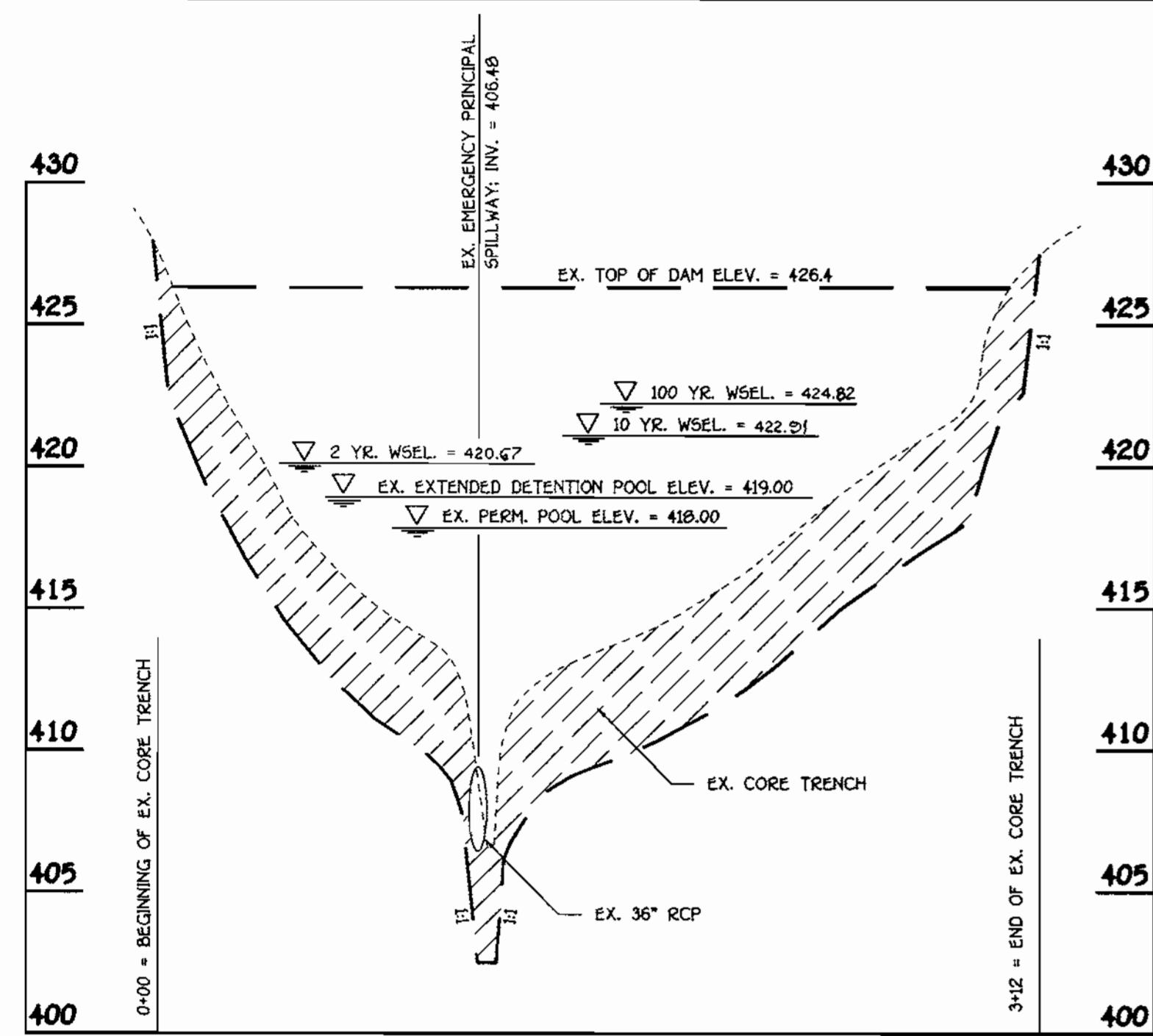
**SITE IMPROVEMENT PLAN AND S.W.M. ACCESS PLAN**

**BUILDING ADDITIONS AND S.W.M. ACCESS CENTENNIAL HIGH SCHOOL**

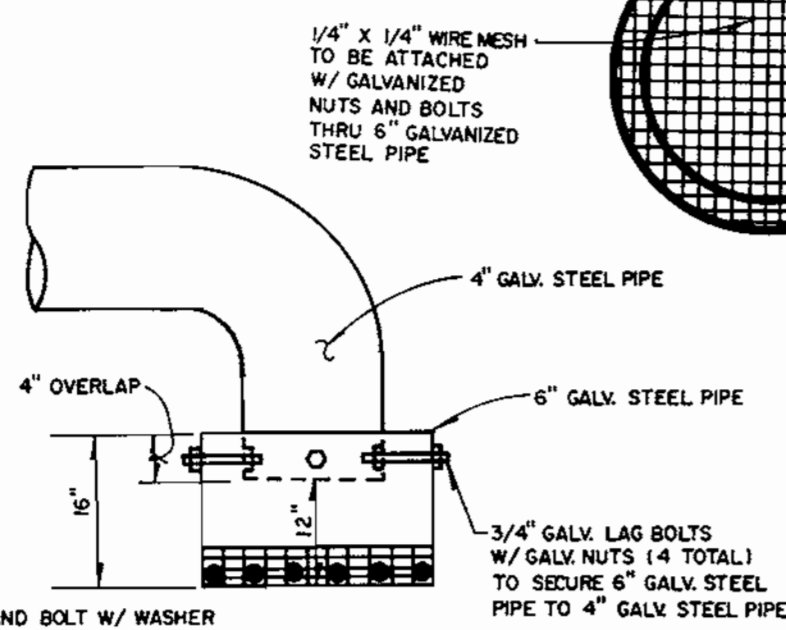
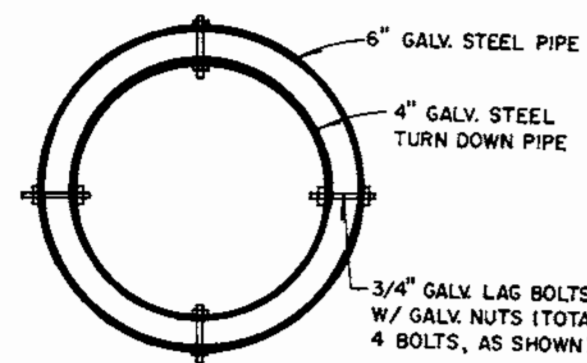
ZONED R-20

TAX MAP No: 24 PARCEL No: 1095 GRID No: 19  
2nd. ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
SCALE: A5 SHOWN DATE: JANUARY 12, 2001  
SHEET 2 OF 5

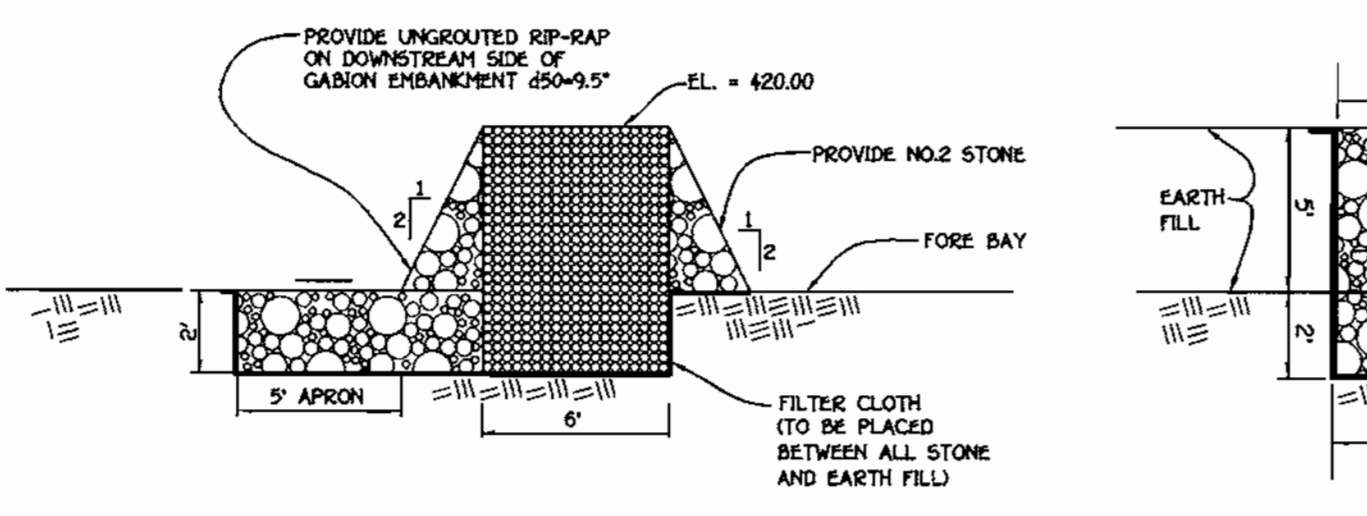
**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 3072 BALTIMORE NATIONAL FEE  
ELLCOTT CITY, MARYLAND 21042  
4100 481-7655



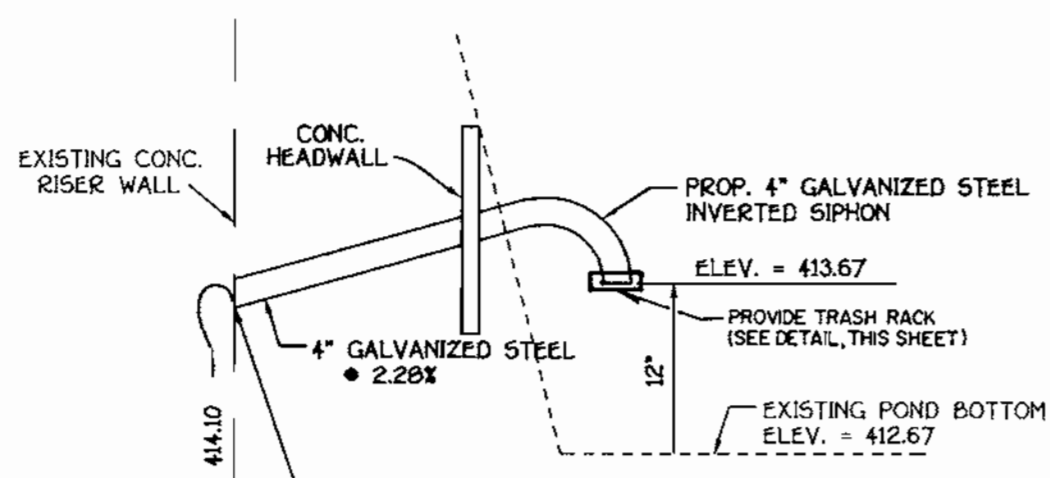
(SDP 90-200)  
**PROFILE ALONG EX. C OF DAM**  
SCALE: HORIZ. : 1" = 50'  
VERT. : 1" = 5'



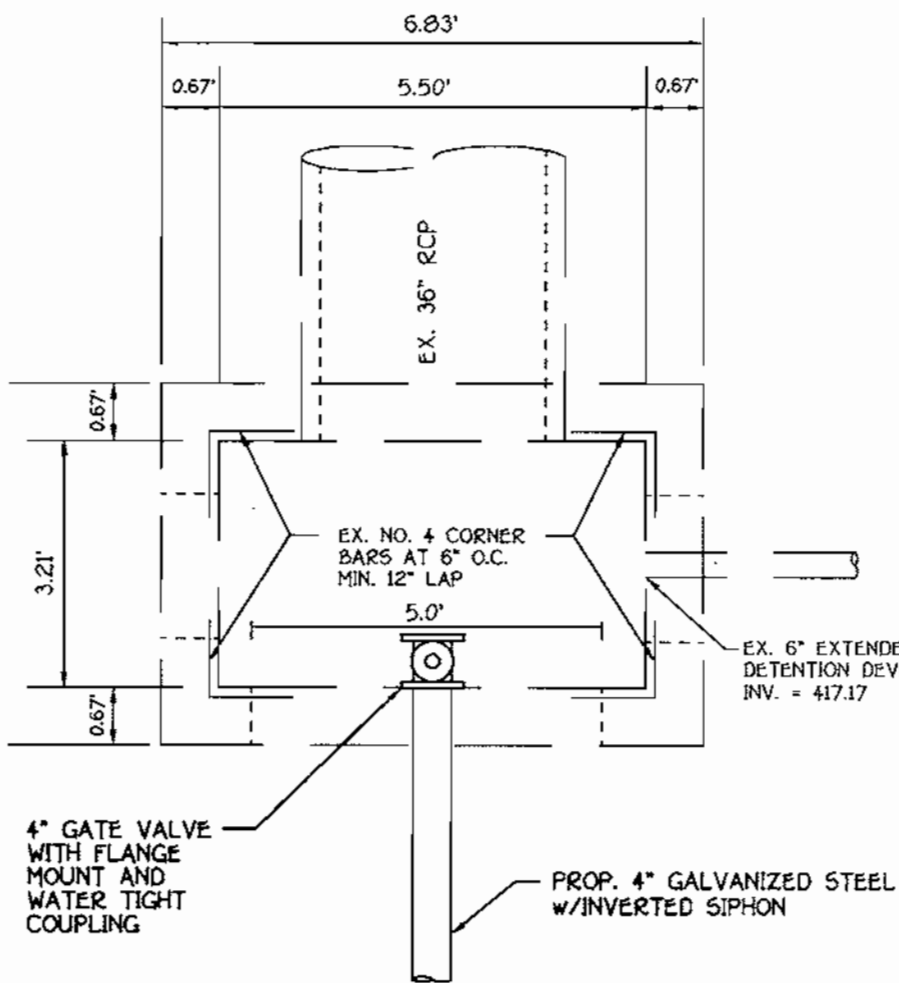
**TRASH RACK DETAIL**  
NOT TO SCALE



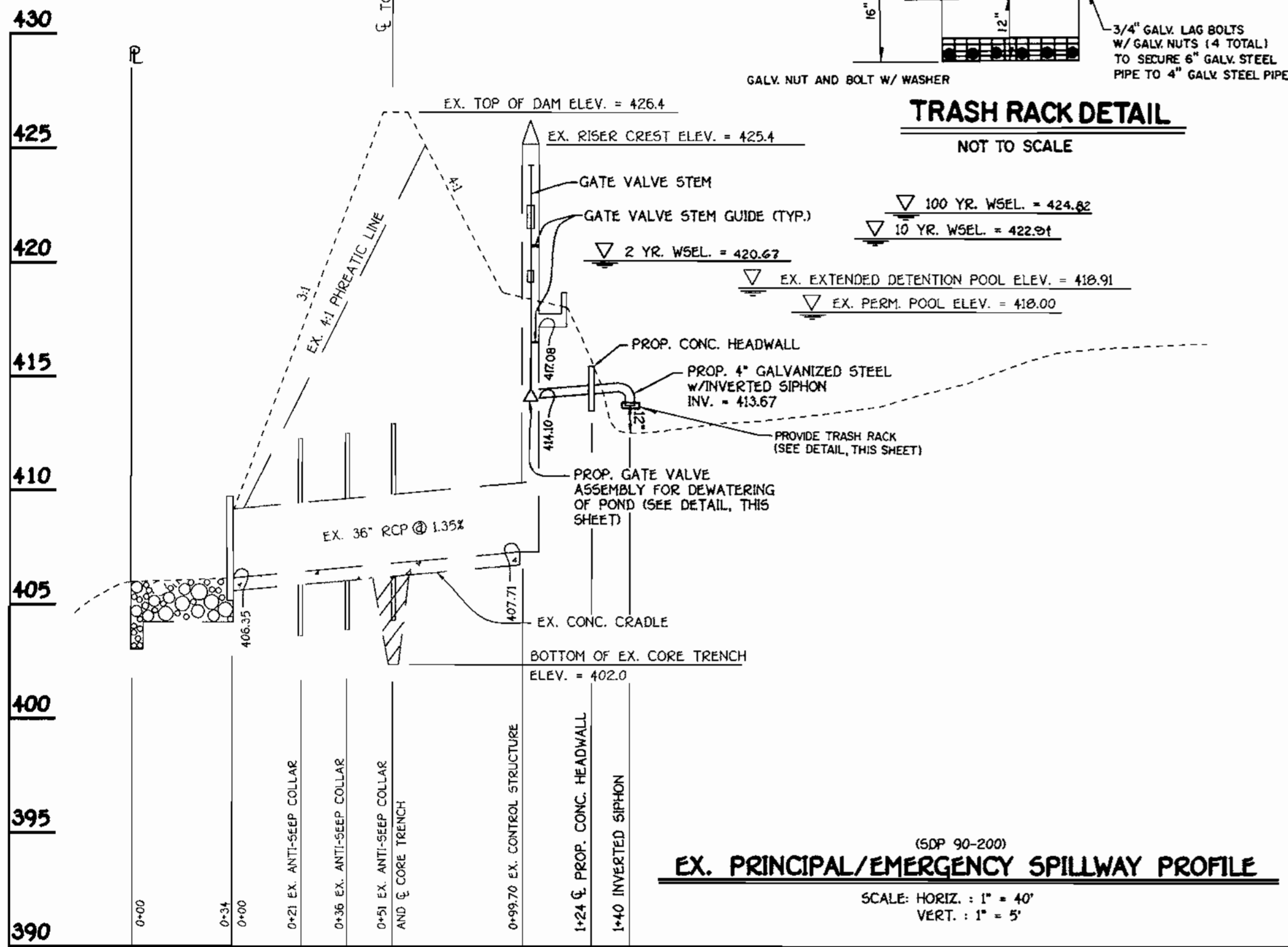
**PROPOSED GABION WEIR AT FOREBAY**  
NO SCALE



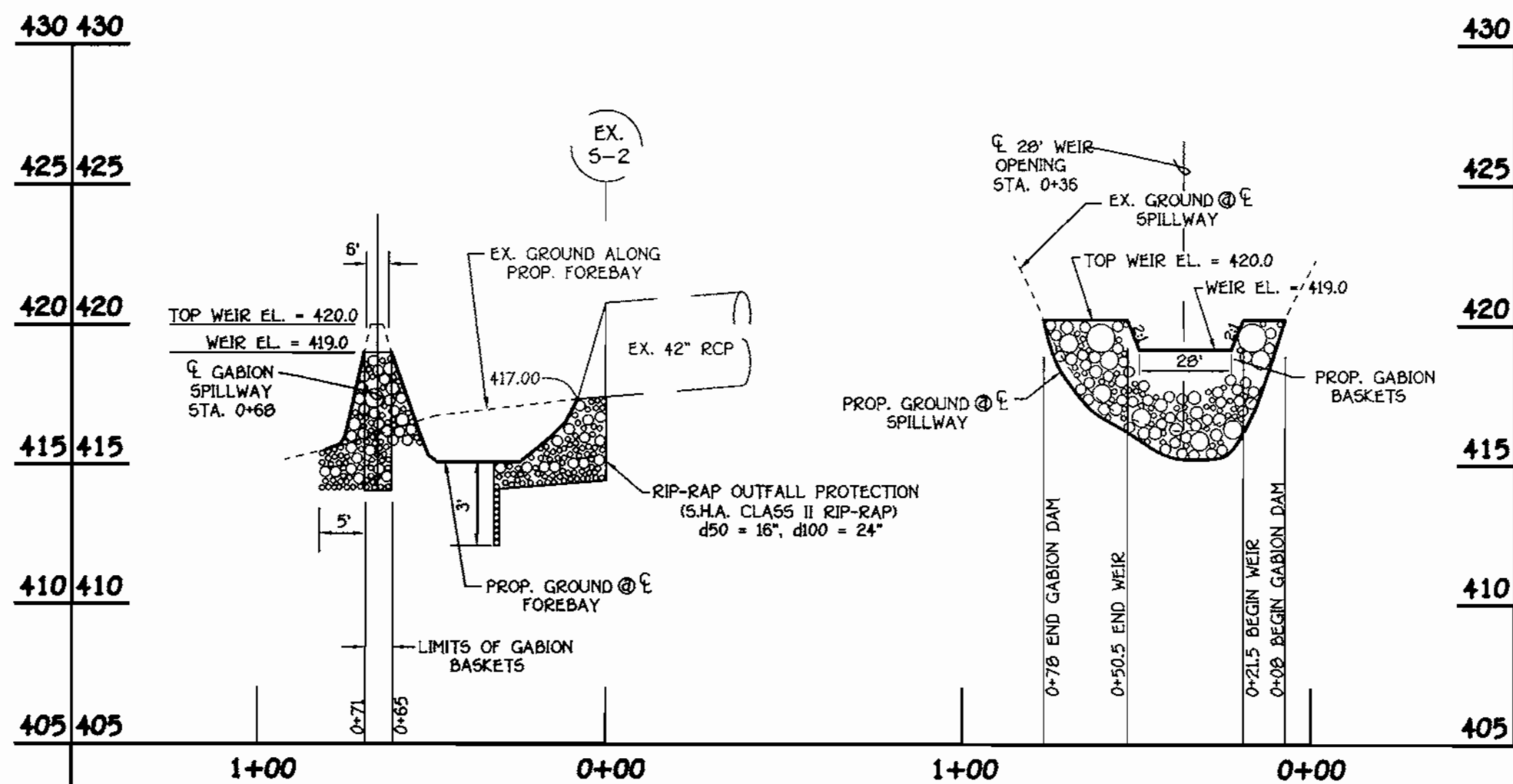
**INVERTED SIPHON DETAIL**  
NOT TO SCALE



**PLAN VIEW**  
NOT TO SCALE

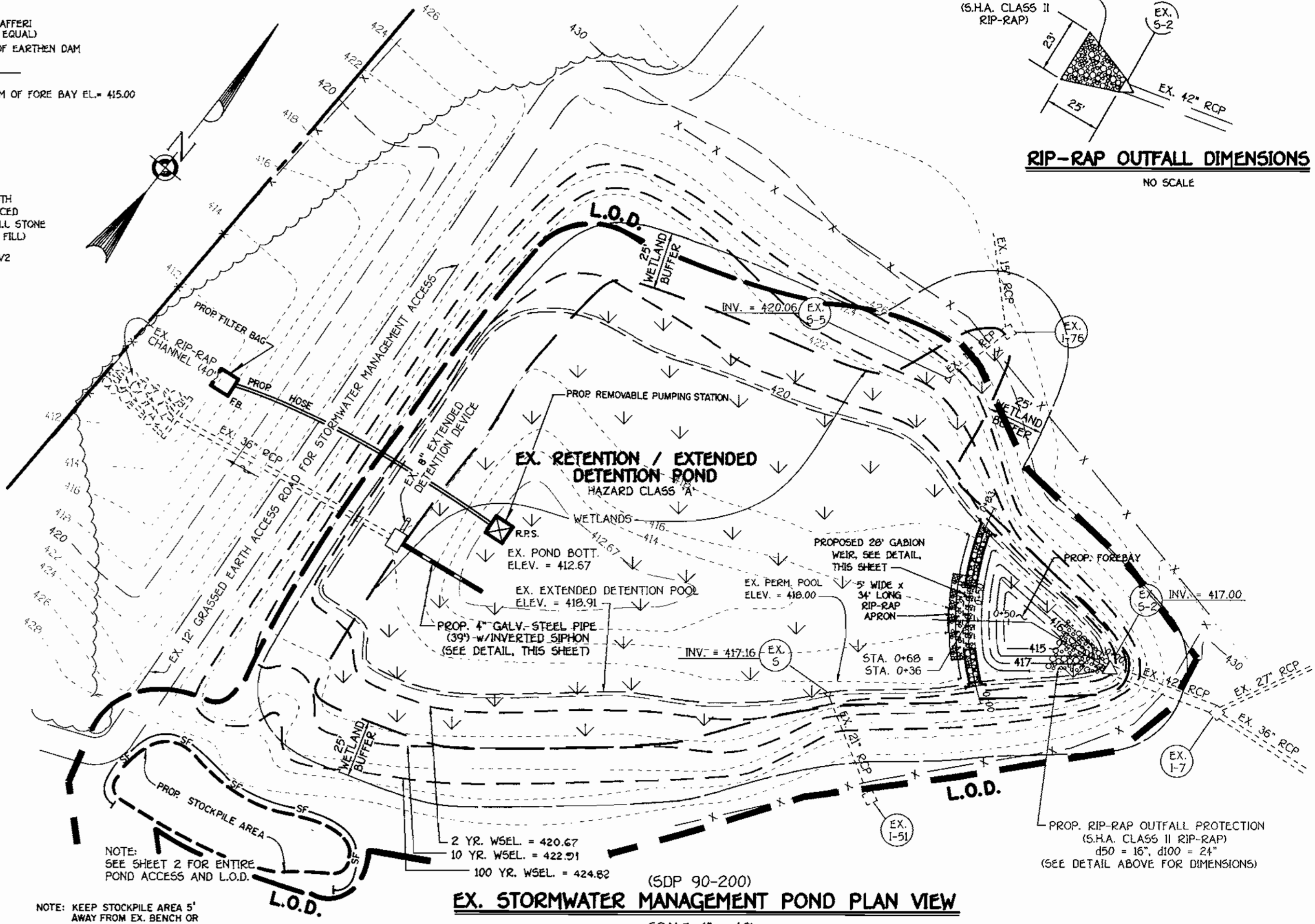


(SDP 90-200)  
**EX. PRINCIPAL/EMERGENCY SPILLWAY PROFILE**  
SCALE: HORIZ. : 1" = 40'  
VERT. : 1" = 5'



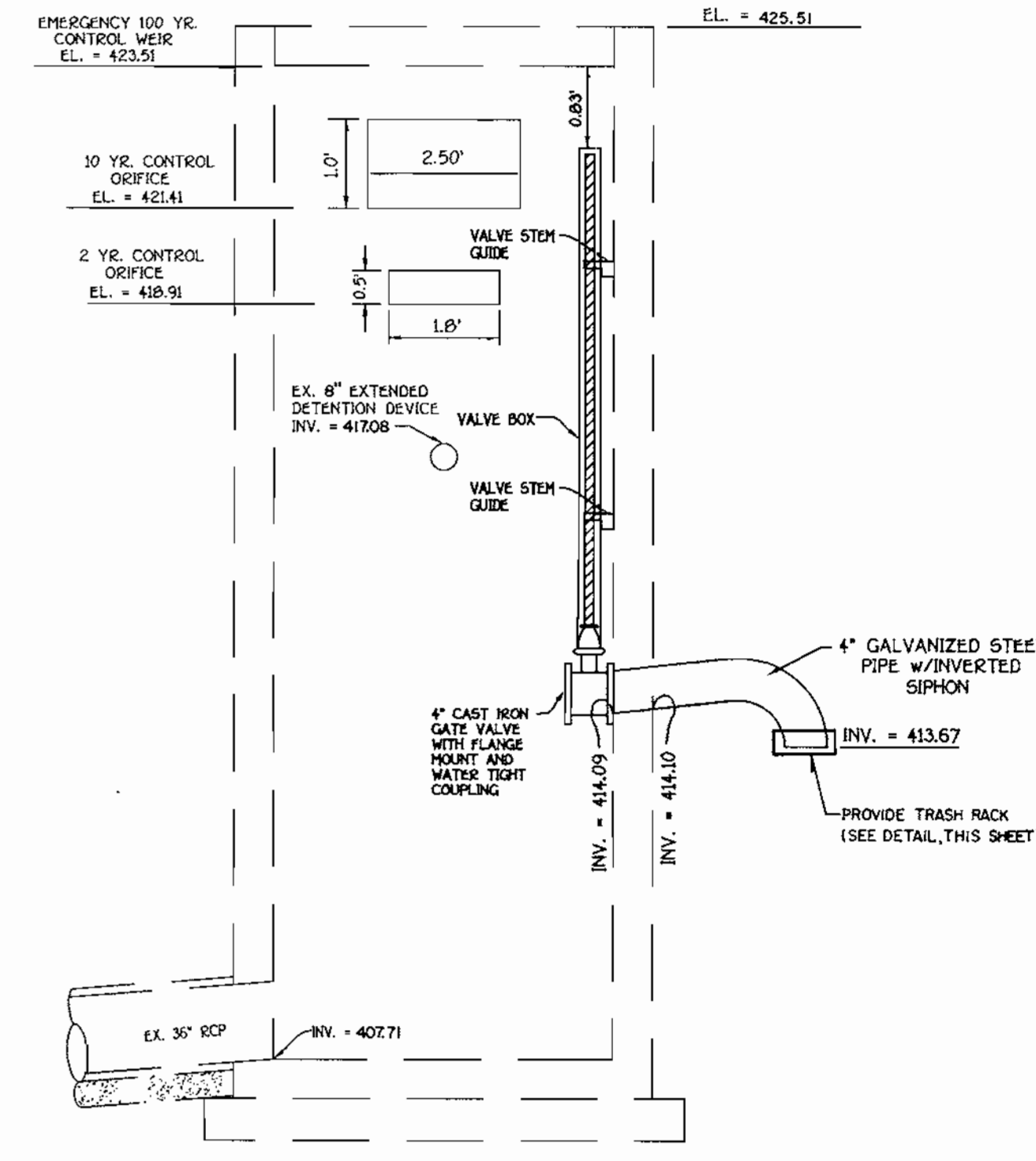
**PROFILE THRU FOREBAY**  
SCALE: HORIZ. : 1" = 40'  
VERT. : 1" = 5'

**PROFILE ALONG PROPOSED GABION DAM**  
SCALE: HORIZ. : 1" = 40'  
VERT. : 1" = 5'



(SDP 90-200)  
**EX. STORMWATER MANAGEMENT POND PLAN VIEW**  
SCALE: 1" = 40'

DESIGN STORM	ALLOWABLE RELEASE RATE	PROPOSED RELEASE RATES	WATER SURFACE ELEVATION
2 YEAR	5.7 CFS	5.7 CFS	420.67
10 YEAR	36.5 CFS	22.7 CFS	422.91
100 YEAR	86.6 CFS	77.6 CFS	424.82



**EX. CONCRETE RISER DETAIL**  
NO SCALE

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 16272 BALTIMORE NATIONAL PIKE  
ELLICOTT CITY, MARYLAND 21117  
(410) 461-2955

SDP 01-41

**ENGINEER'S CERTIFICATE**  
I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Signature of Engineer: *[Signature]* Date: 1/12/01

**DEVELOPER'S CERTIFICATE**  
I/we certify that all development and/or construction will be done according to these plans, 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 shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District.

Signature of Developer: *[Signature]* Date: 1/12/01

Reviewed for HOWARD SCD and meets Technical Requirements.

These Plans Have Been Reviewed For The Howard Soil Conservation District And Meet The Technical Requirements For Small Pond Construction, Soil Erosion And Sediment Control.

Signature: *[Signature]* Date: 2/12/01  
USDA - Natural Resources Conservation Service

These Plans For Small Pond Construction, Soil Erosion And Sediment Control Meet The Requirements Of The Howard Soil Conservation District.

Signature: *[Signature]* Date: 2/22/01  
Howard Soil Conservation District

**OWNER**  
HOWARD COUNTY PUBLIC SCHOOL SYSTEM  
10910 MARYLAND ROUTE 108  
ELLICOTT CITY, MARYLAND 21042

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature: *[Signature]* Date: 3/1/01  
Chief, Division of Land Development

Signature: *[Signature]* Date: 2/2/01  
Chief, Development Engineering Division

Signature: *[Signature]* Date: 3/2/01  
Director, Department of Planning and Zoning

PROJECT	CENTENNIAL HIGH SCHOOL	SECTION/AREA		PARCEL NO.	1095
DEED	696/60B	BLOCK NO.	19	ZONE	R-20
TAX MAP	24	ELEC. DIST.	2nd	CENSUS TR.	60 23.01
WATER CODE	J 01	SEWER CODE	5740300		

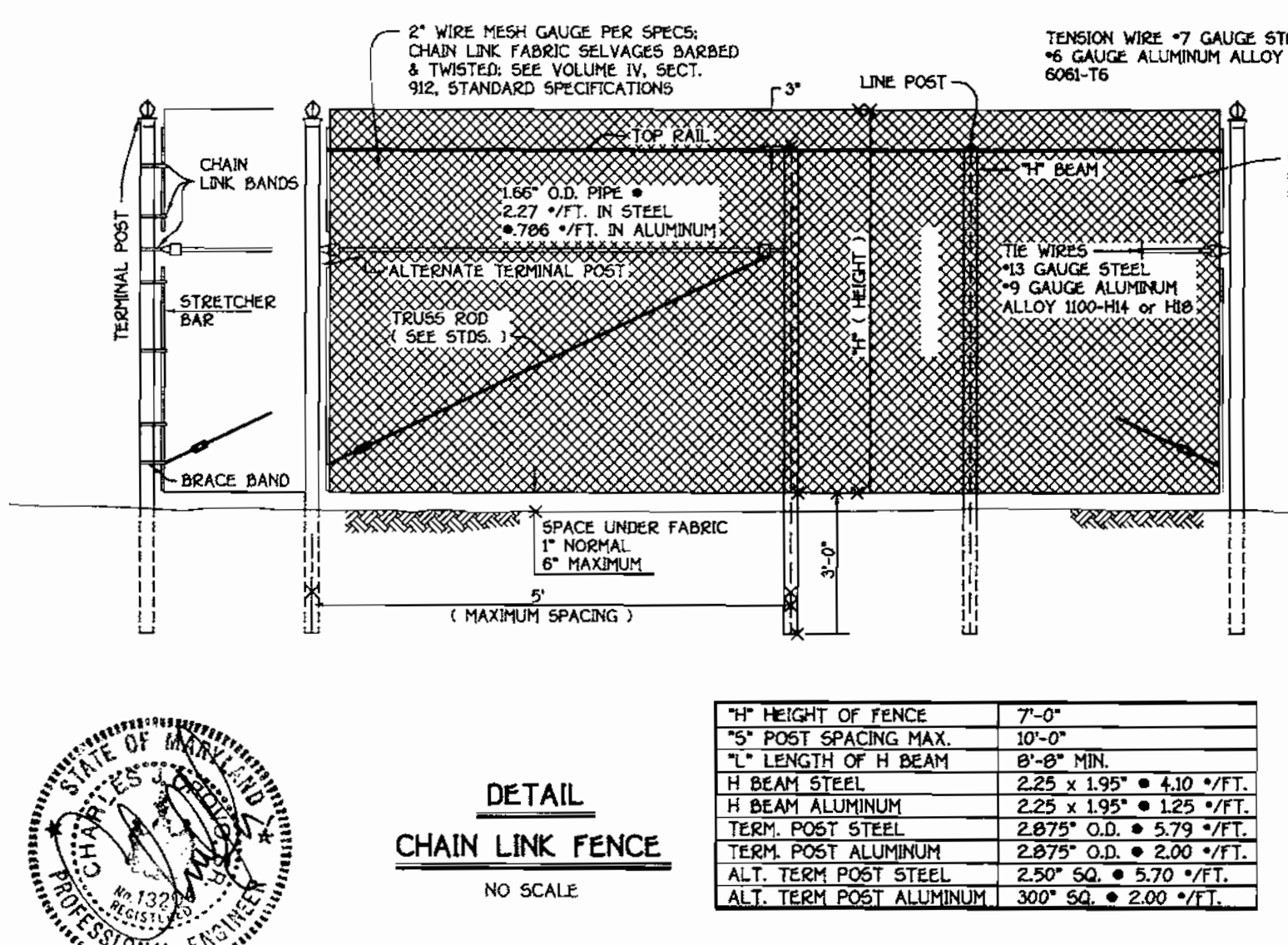
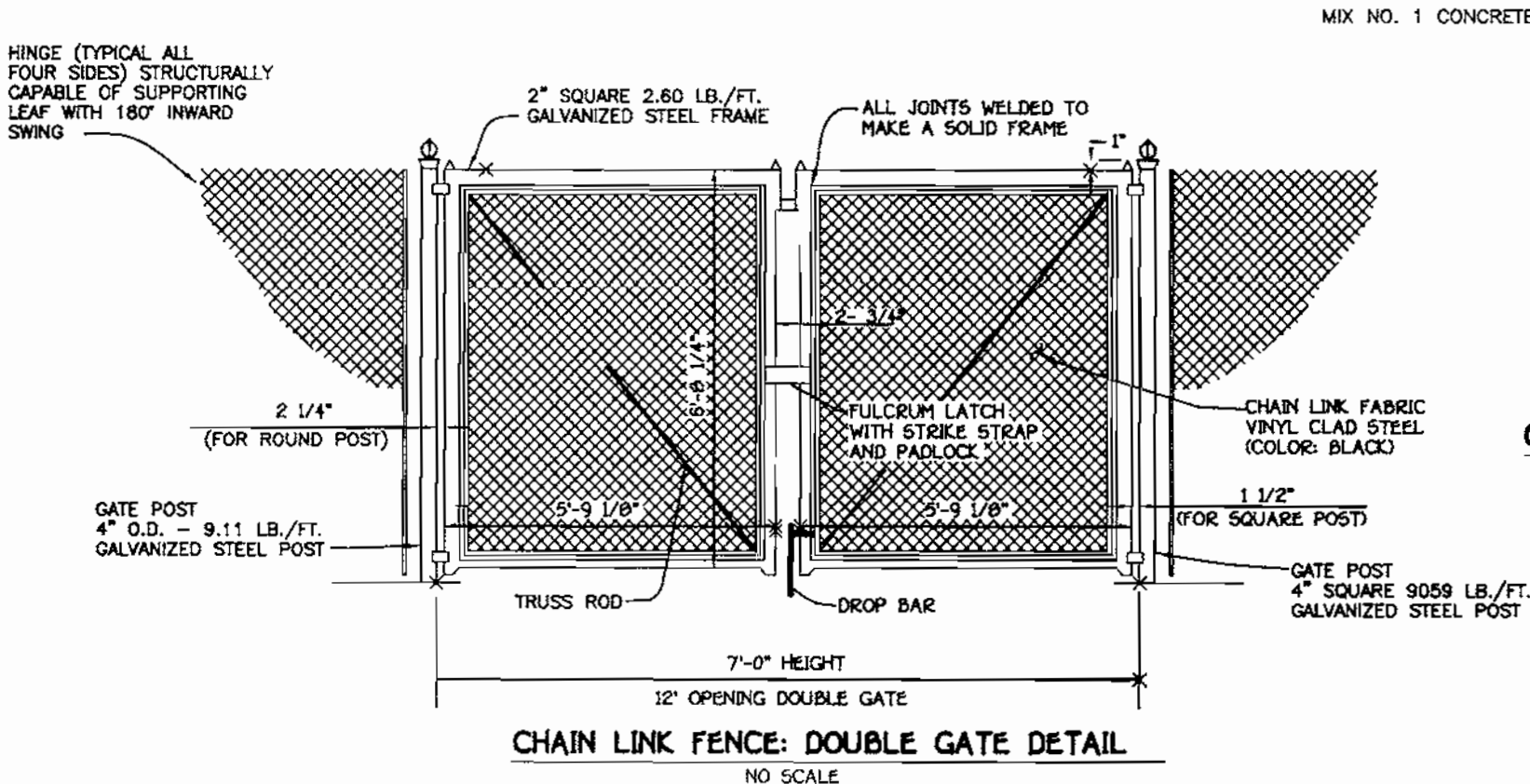
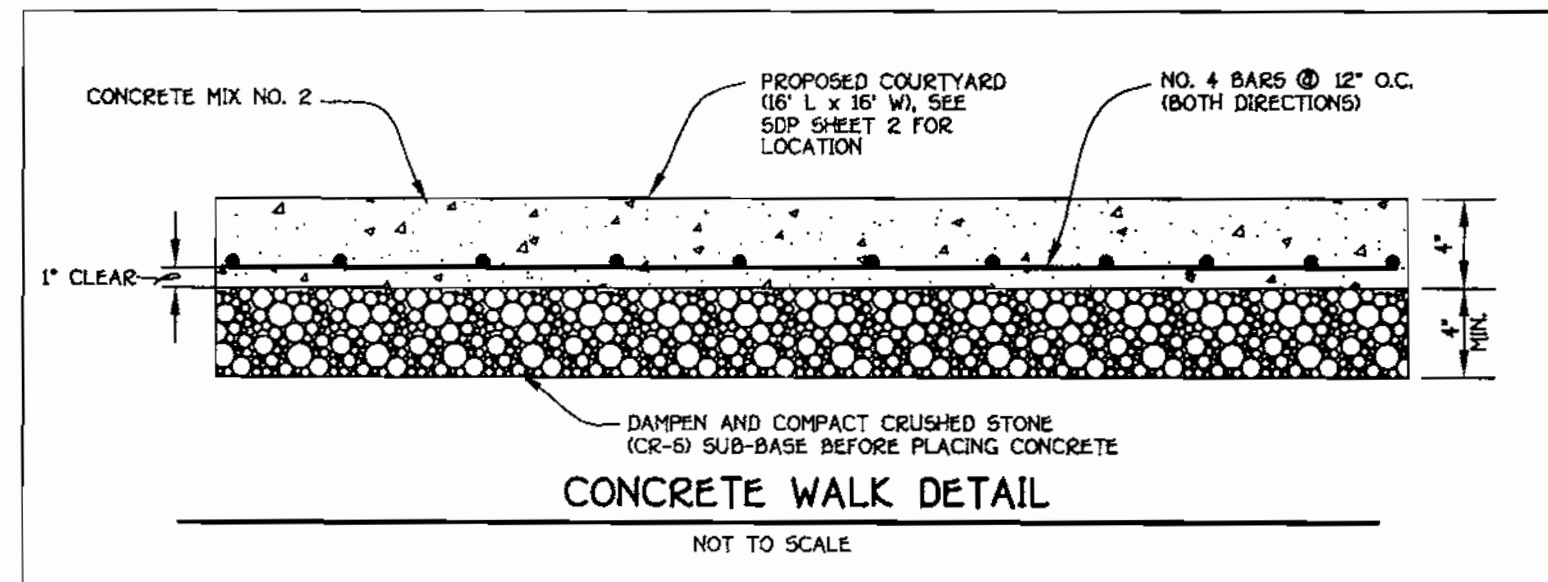
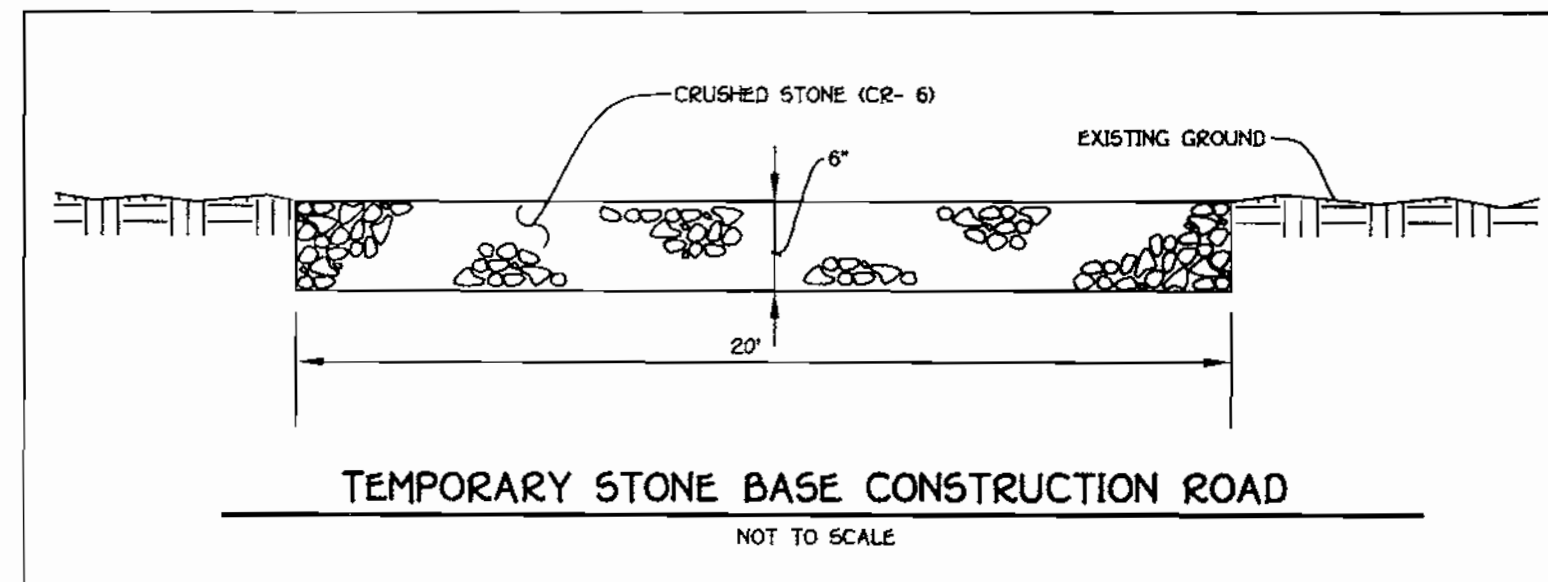
**STORMWATER MANAGEMENT PLAN AND DETAILS**

**BUILDING ADDITIONS AND S.W.M. ACCESS**  
**CENTENNIAL HIGH SCHOOL**

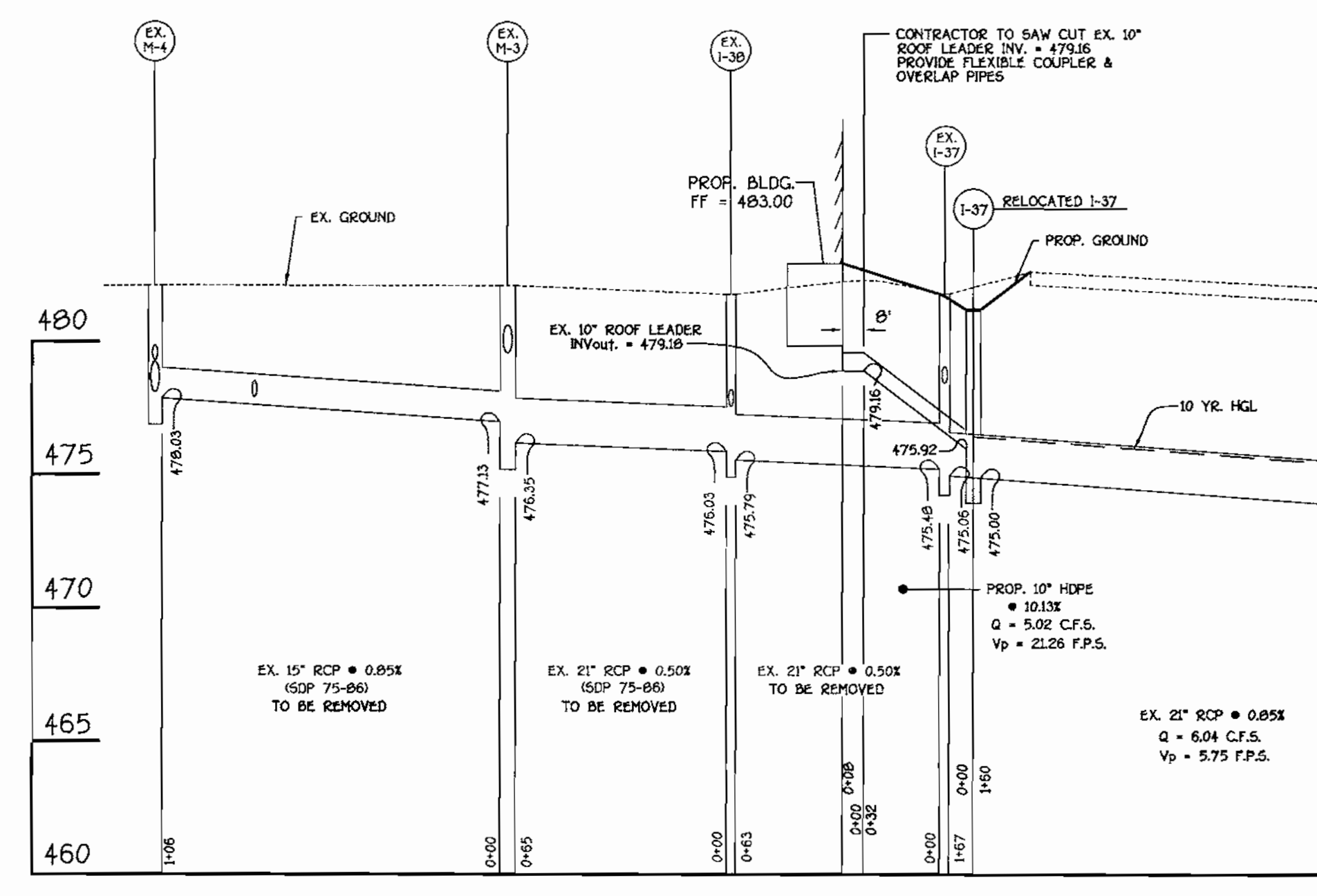
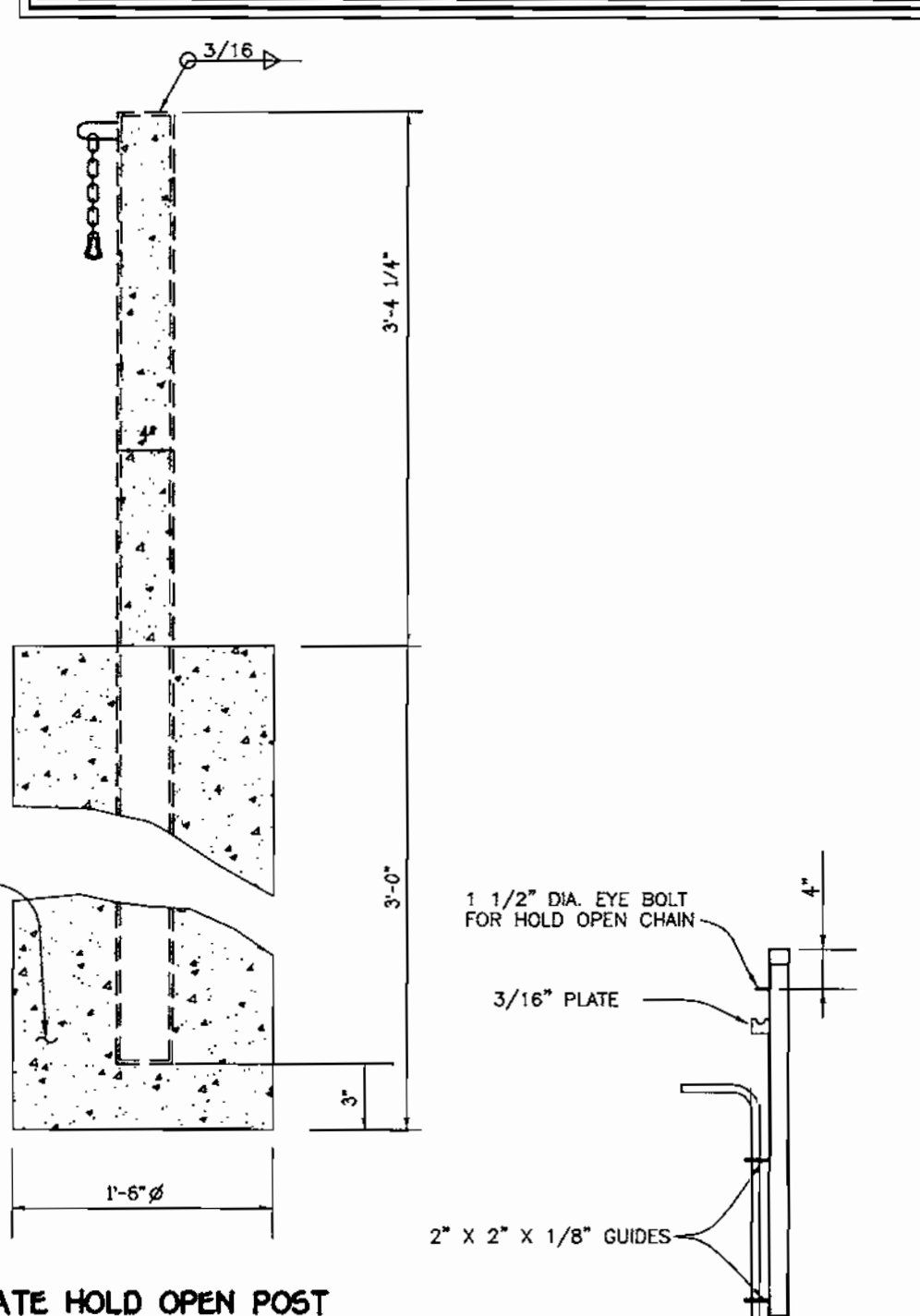
ZONED R-20

TAX MAP No: 24 PARCEL No: 1095 GRID No: 19  
2nd. ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE: JANUARY 12, 2001  
SHEET 3 OF 5

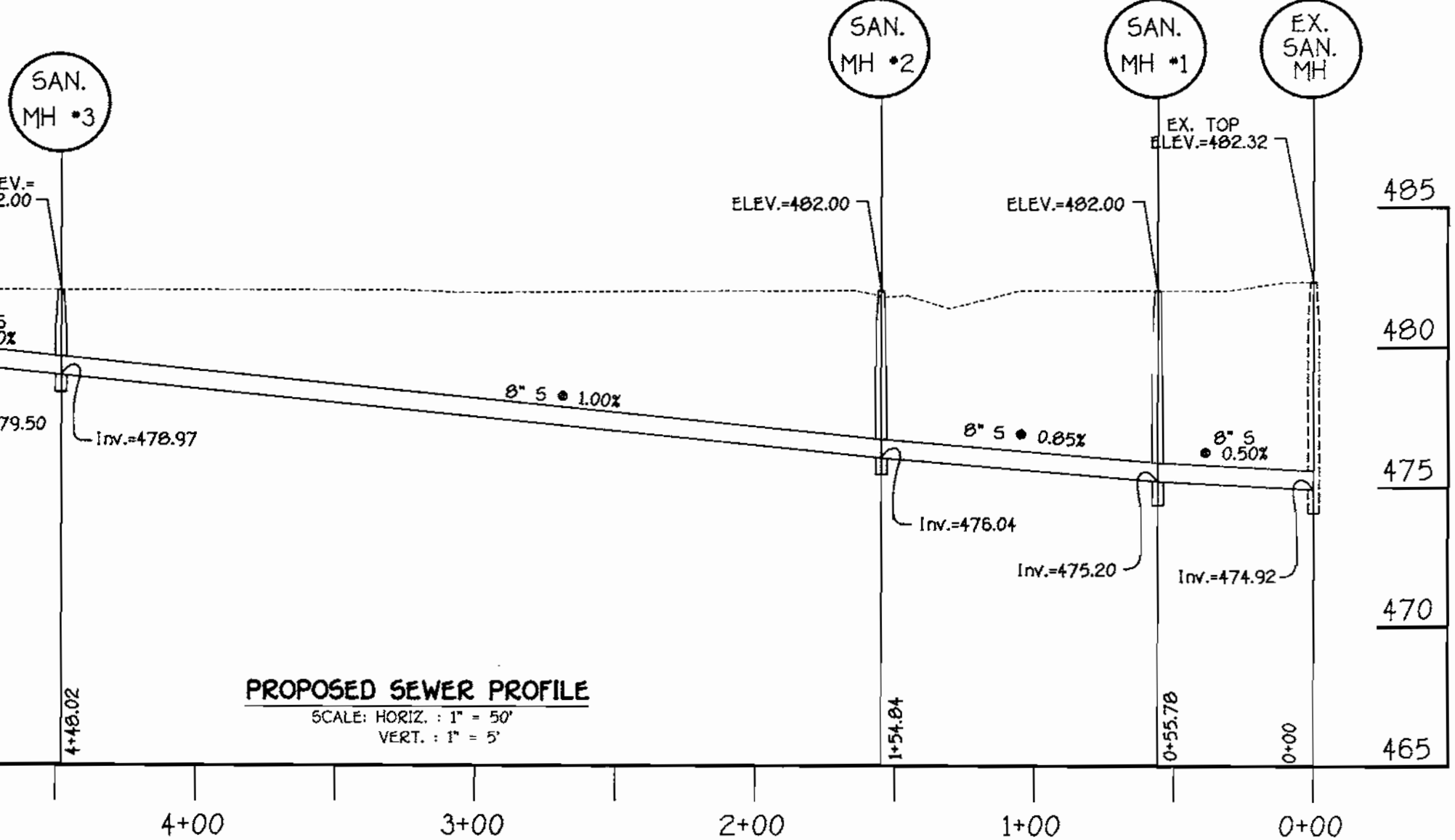
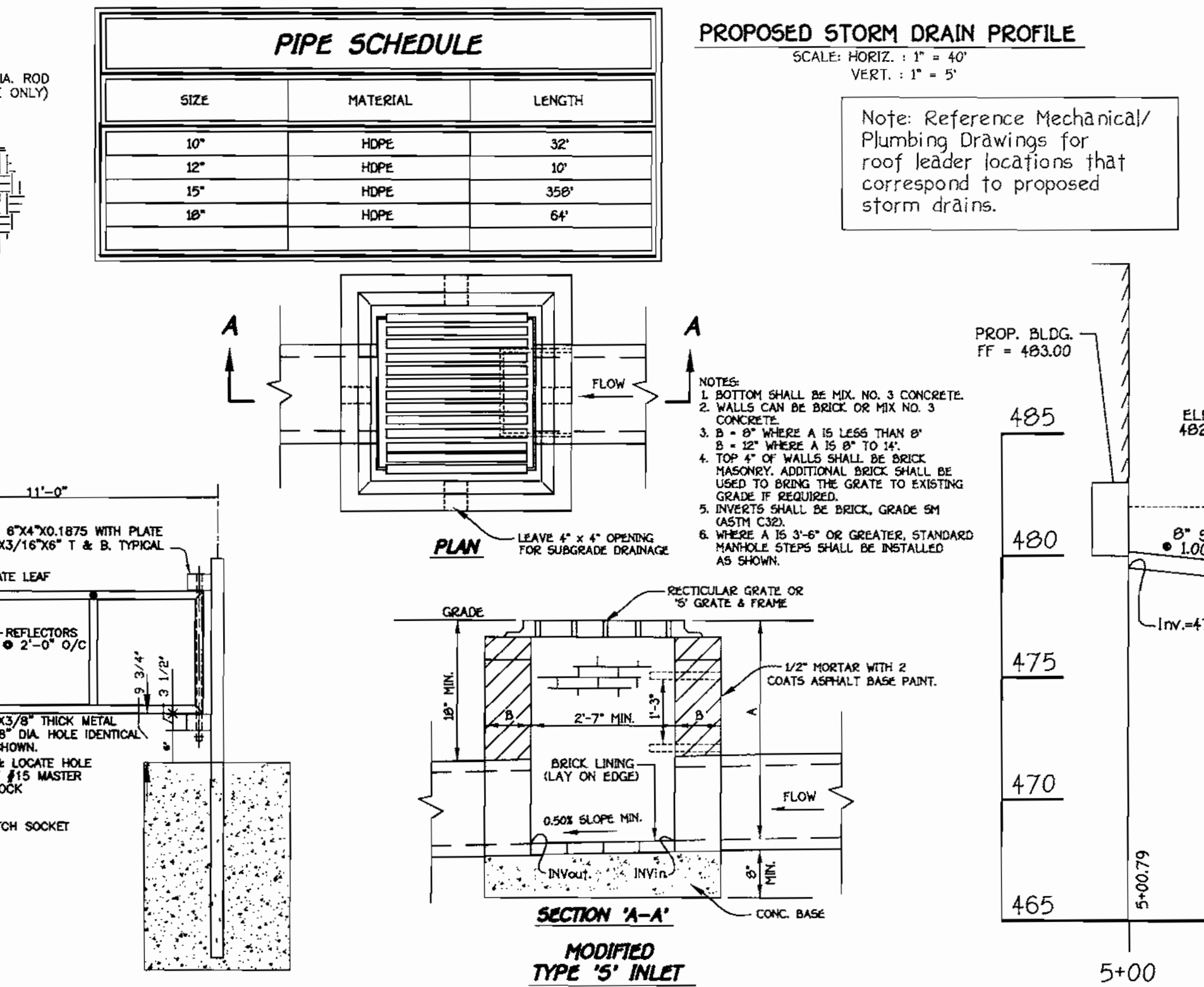
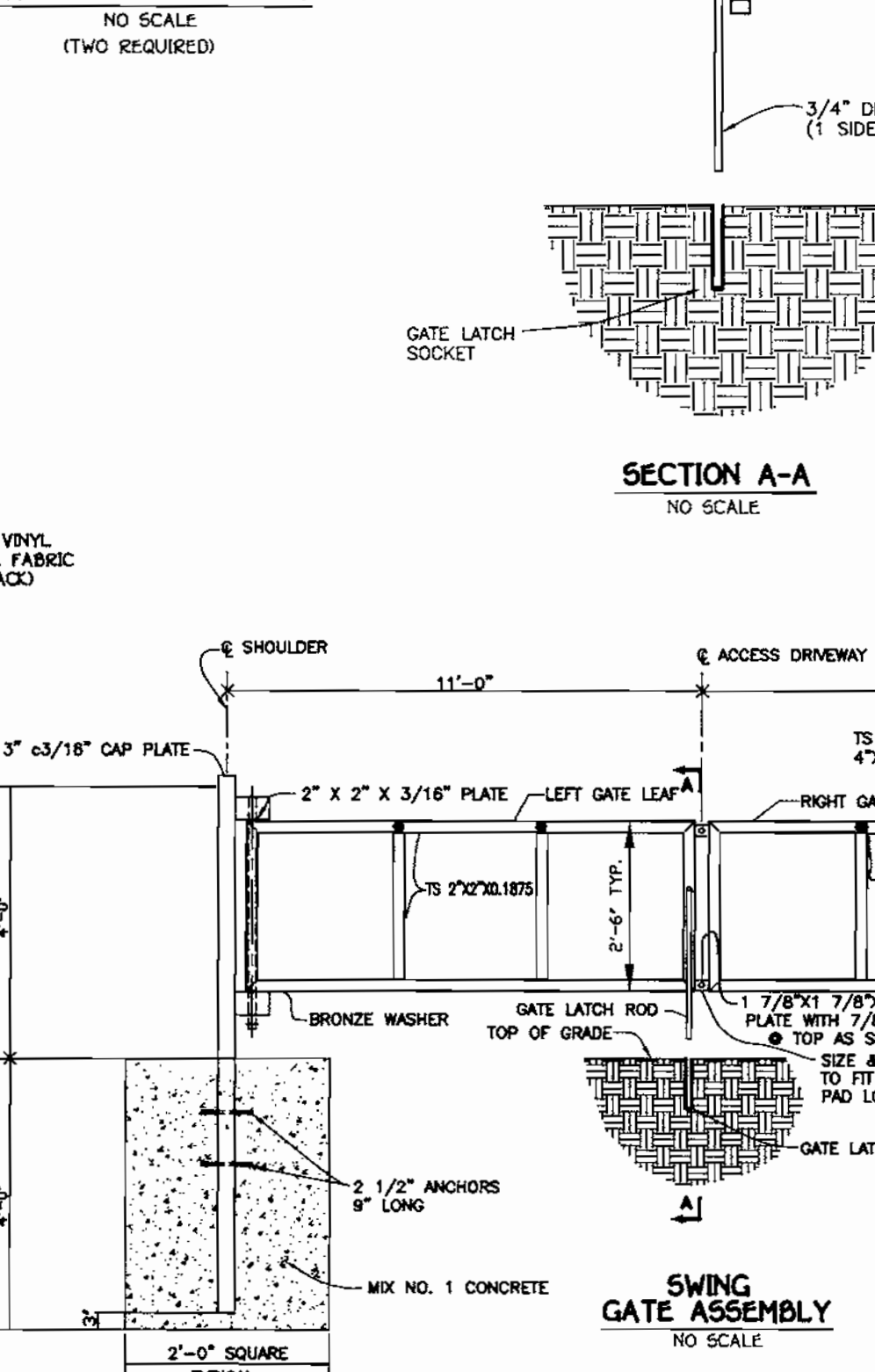
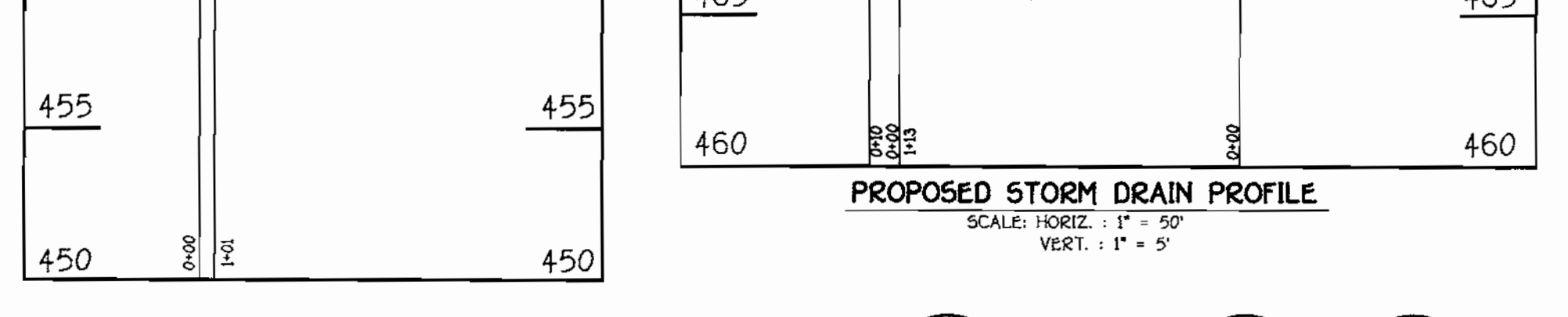
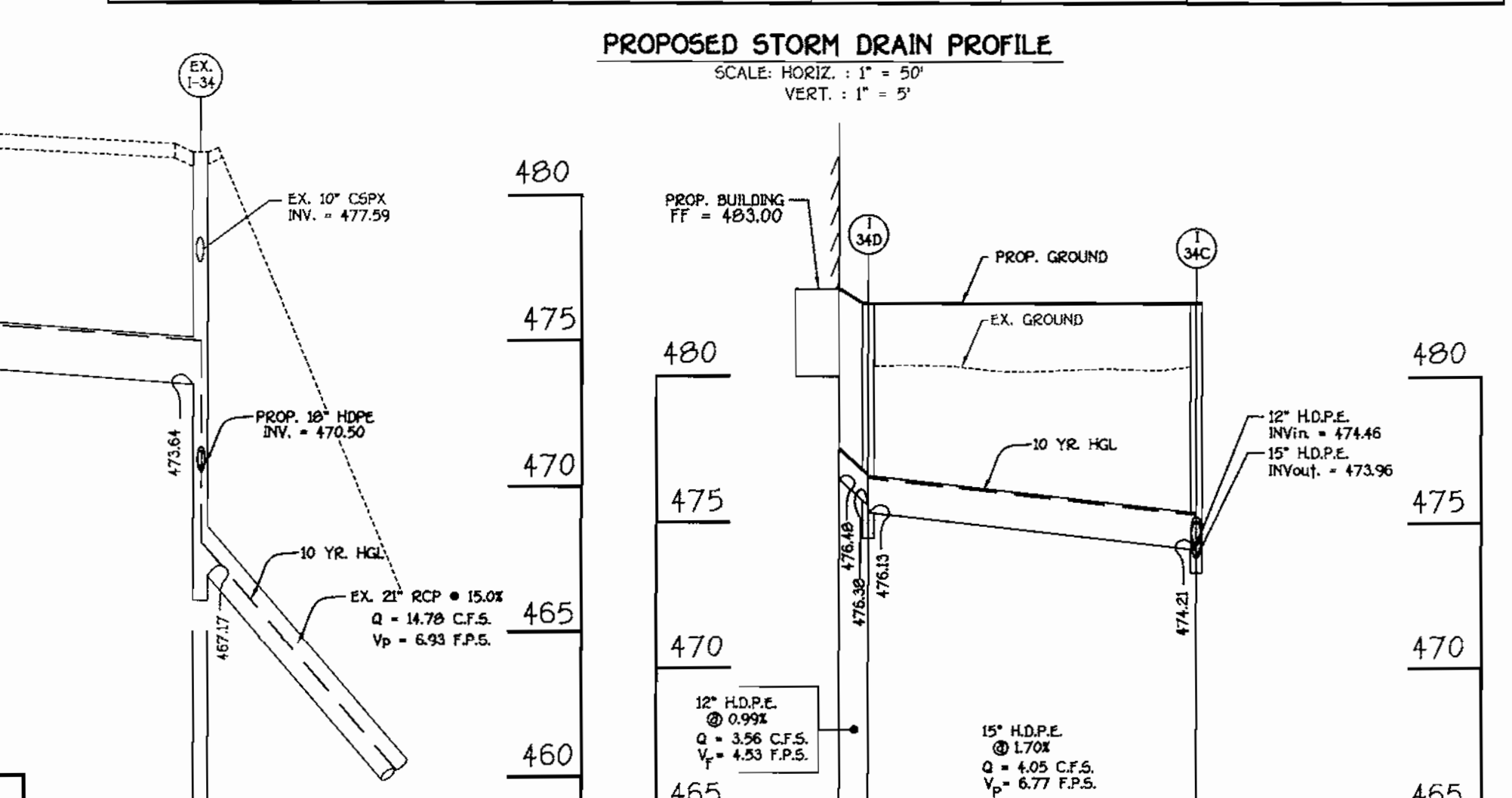
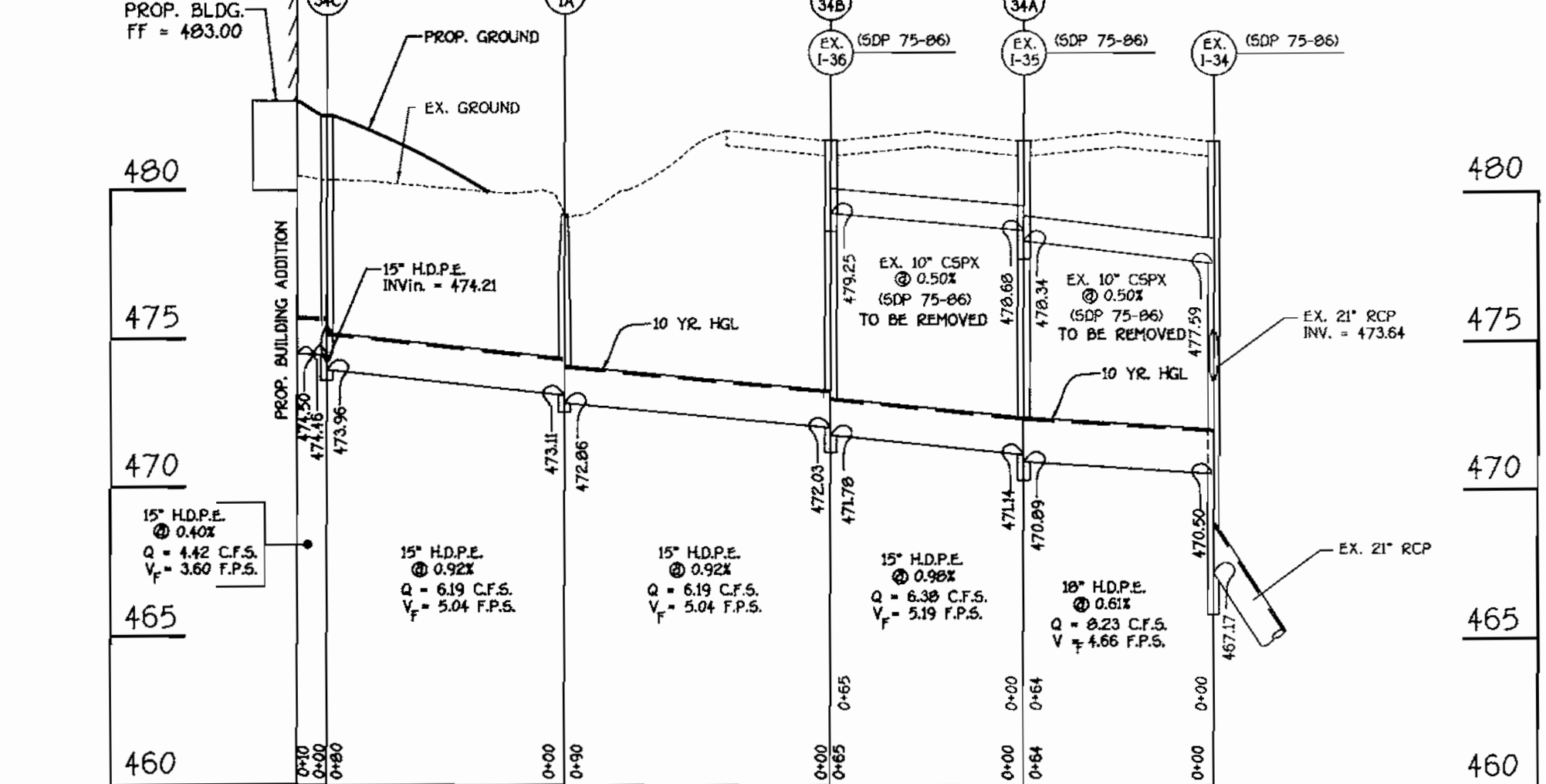
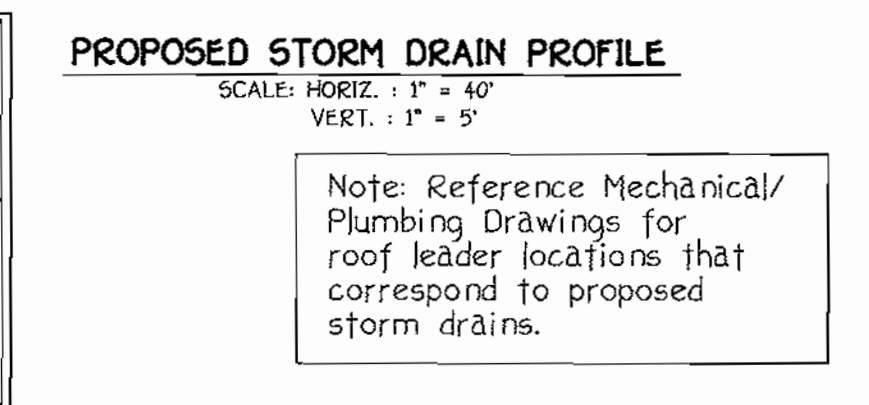
SDP-01-41



STRUCTURE SCHEDULE									
STRUCTURE NO.	TOP ELEVATION	INV. IN	INV. OUT	ROAD NAME	COORDINATES	OFFSET	TYPE	REMARKS	
EX. I-34	481.49	473.64	470.50		N 51748.6579 E 838627.1899		EX. INLET		
I-34A	481.49	471.14	470.89		N 517083.3889 E 838616.7147		MODIFIED 'S' INLET	SEE DETAIL, THIS SHT.	
I-34B	481.49	472.03	471.78		N 517017.5336 E 838656.4847		MODIFIED 'S' INLET	SEE DETAIL, THIS SHT.	
I-34C	482.50	474.46	474.21		N 50912.5532 E 838673.4276		MODIFIED 'S' INLET	SEE DETAIL, THIS SHT.	
I-34D	482.50	476.38	476.13		N 516803.1407 E 838691.5043		'S' INLET	S.D. - 4.22	
I-37	481.50	475.92	475.00		N 517001.1425 E 838619.7378		'S' INLET	S.D. - 4.22	
M-1A	479.15	473.11	472.86		N 516523.5134 E 838792.0037		STD. MANHOLE	G - 512	



PIPE SCHEDULE		
SIZE	MATERIAL	LENGTH
10"	HDPE	32'
12"	HDPE	10'
15"	HDPE	358'
18"	HDPE	64'



**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALDWIN NATIONAL FIVE  
ELLICOTT CITY, MARYLAND 21042  
4100-461-2200

SDP 01-41  
DRAWING/SUBMITTAL SHEET

**ENGINEER'S CERTIFICATE**  
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.

*Chris*  
Signature of Engineer (Print name below signature) *1/12/01*  
Date

**DEVELOPER'S CERTIFICATE**  
I/We certify that all development and construction will be done according to this plan, for sediment and erosion control and that 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.

*Michael J. KPCS*  
Signature of Developer (Print name below signature) *1/12/01*  
Date

Reviewed for HOWARD SCD and meets Technical Requirements.

*Jim Moore / GS* *2/27/01*  
U.S.D.A. Natural Resources Conservation Service Date

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

*John A. King* *2/12/01*  
Howard SCD Date

**OWNER**  
HOWARD COUNTY PUBLIC SCHOOL SYSTEM  
10910 MARYLAND ROUTE 108  
ELLICOTT CITY, MARYLAND 21042

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Christy Hamstra* *3/1/01*  
U.S.D.A. Division of Land Development Chief, Division of Land Development Date

*David Williams* *2/12/01*  
Chief, Development Engineering Division Date

*David Williams* *3/2/01*  
Director, Department of Planning and Zoning Date

PROJECT	CENTENNIAL HIGH SCHOOL	SECTION/AREA		PARCEL NO.	1095
DEED	696/608	BLOCK NO.	19	ZONE	R-20
TAX MAP	24	ELEC. DIST.	2nd.	CENSUS TR.	60 23.01
WATER CODE	J 01	SEWER CODE			5740300

**PROFILE AND DETAIL SHEET**

**BUILDING ADDITIONS AND S.W.M. ACCESS**  
**CENTENNIAL HIGH SCHOOL**

ZONED R-20

TAX MAP No: 24 PARCEL No: 1095 GRID No: 19  
2nd. ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE: JANUARY 12, 2001  
SHEET 4 OF 5

