

LEGEND

- Surface Plan
- Ex. topography
- Prop. topography
- Spot elevations
- Prop. storm drainage
- Prop. concrete walks
- Prop. curb & gutter
- Prop. bit. conc. paving
- Ex. bit. conc. paving
- Prop. sod area

GENERAL NOTES

1. All storm drainage & paving construction shall be performed in accordance with the Howard Co. Road Construction Code & Standard Specifications.
2. All utility companies are to be notified 48 hours prior to beginning construction.
3. All drainage scales are to be turned rolled & checked.
4. Installation of all traffic control devices shall be in accordance with the manual on uniform traffic control devices 1977 edition.

Owners Name: HOWARD COUNTY PUBLIC SCHOOLS
 Address: 3045 ROUTE 32
 COLUMBIA, MARYLAND 21044
 Telephone No: 301-531-5744

Reviewed for Howard SCD and meets technical requirements

Unattested Signature: [Signature]
 U.S. SOIL CONSERVATION SERVICE
 DATE: 7-25-77

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District

APPROVED: [Signature]
 HOWARD SCD
 DATE: 7-25-77

APPROVED: For public water & public sewerage systems
 Howard County Health Department

[Signature]
 COUNTY HEALTH OFFICER
 DATE: 8-4-77

APPROVED: Howard County Office of Planning and Zoning

[Signature]
 PLANNING DIRECTOR
 DATE: 8/13/77

APPROVED: For public water & public sewerage and storm drainage systems and Roads, Howard County Department of Public Works

[Signature]
 DIRECTOR
 DATE: 8-1-77

[Signature]
 CHIEF BUREAU OF HIGHWAYS
 DATE: 7/28/77

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 6-8-77
 [Signature]

SITE TABULATION

AREA	10.772 Ac.
ZONING	NEW TOWN-OPEN SPACE, FOP 136-II-A
PARKING REQ'D (BOARD OF ED. REQUIREMENT)	0 BUSES 60 CARS
PARKING PROVIDED	0 BUSES 60 CARS (3 HANDICAP)

NOTE:
 SEE DRAWING U-1 FOR WATER & SEWER DETAILS

REMOVE EX. CURB & WALK AS REQUIRED TO CONSTRUCT FIELD ENTRANCE

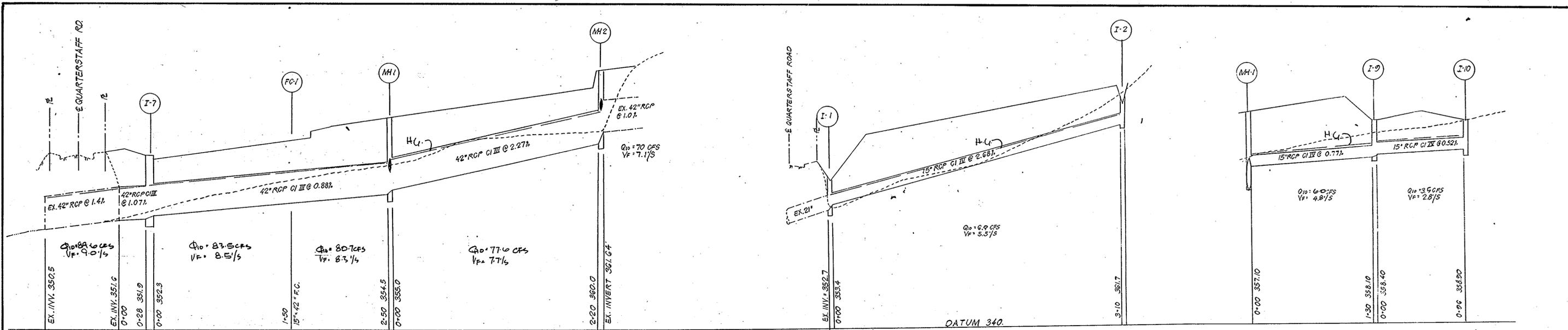
CONSTRUCT 2'-1" OVER EX. 21" HIGH RETAINING WALL AS REQ. BY TO MAKE CONNECTION



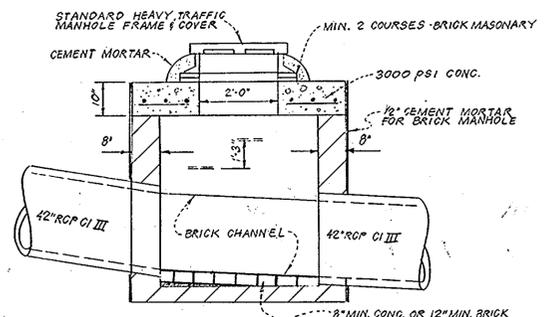
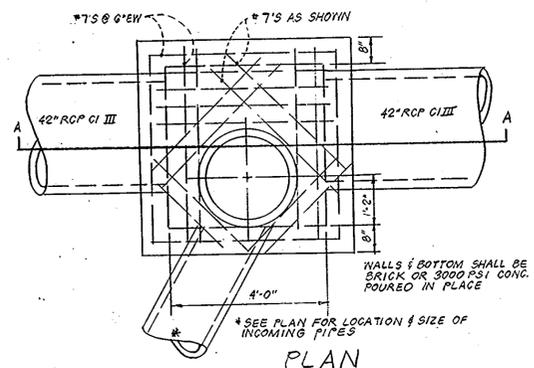
SEYBOLT, GORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 1111 BONIFANT STREET
 SILVER SPRING, MARYLAND
 301-582-1111

CLEMENS CROSSING ELEMENTARY SCHOOL
 VILLAGE OF HICKORY RIDGE 5TH ELECTION DISTRICT
 LOT 320 SECTION 1, AREA 2, PLAT BOOK 340G
 COLUMBIA, HOWARD COUNTY, MARYLAND

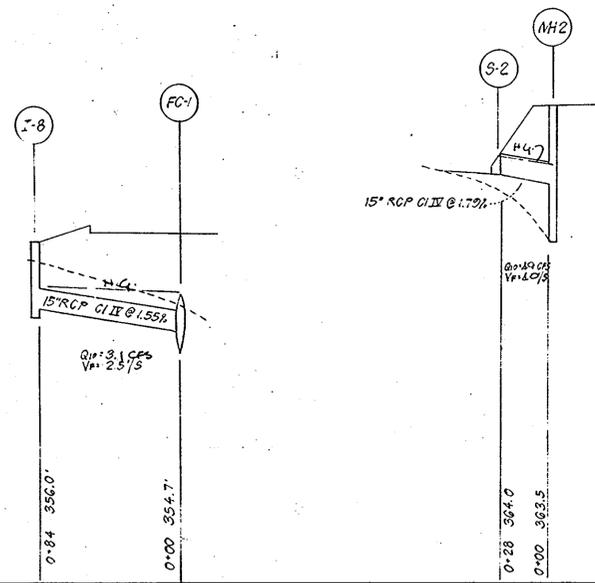
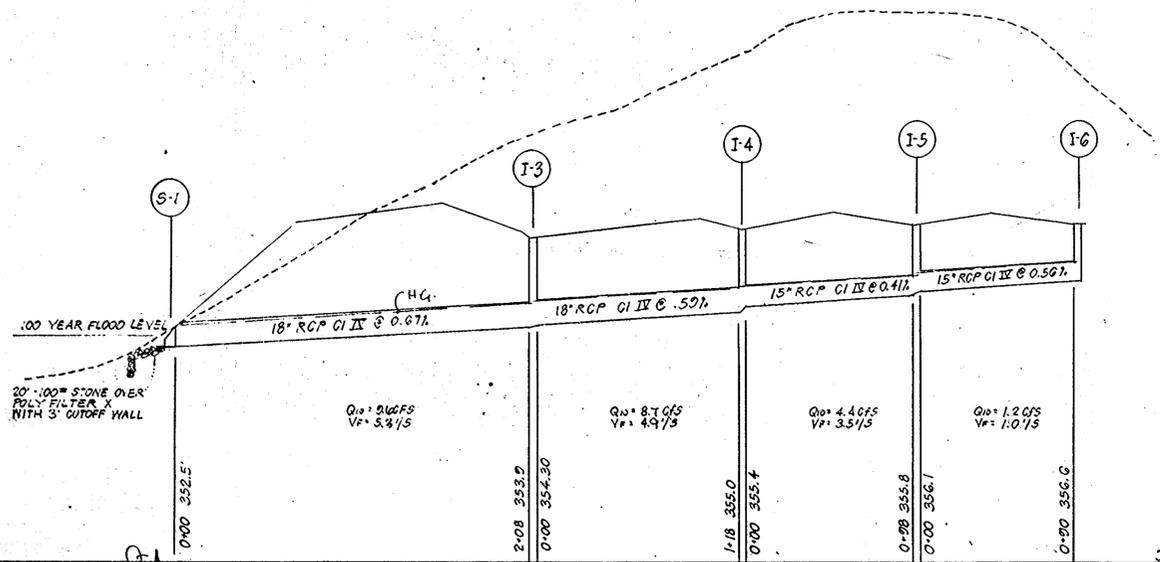
SITE & GRADING & STORM DRAIN PLAN	DATE: 7/28/77
SMEALLIE, ORRICK & JANKA, LTD. 5500 YORK ROAD BALTIMORE, MARYLAND 21212 301-433-4600	SHEET NO: 1 OF 5



STRUCTURE SCHEDULE											
NO	TYPE	FR. NO.	DR. NO.	INVERT	OUTLET	TOP	FR. NO.	DR. NO.	INVERT	OUTLET	TOP
I-1	HOWARD COUNTY TYPE 'K' INLET	149	0-84	353.4	352.7	356.0					
I-2	"	"	"	"	"	"					
I-3	"	153	0-98	354.3	353.0	357.2					
I-4	"	"	"	355.4	355.0	362.0					
I-5	"	"	"	356.1	355.8	360.0					
I-6	"	"	"	"	"	"					
I-7	"	"	"	"	"	"					
I-8	"	153	0-98	356.0	356.0	362.0					
I-9	"	"	"	358.4	358.1	362.0					
MH-1	SQUARE MH SEE DETAIL PLAN # 20FG			358.4	358.1	362.0					
MH-2	"			358.4	358.1	362.0					
S-1	MD SHA CONC. END SECTION (18') MD SHA	368.01	372.5								
S-2	(15') " " "	"	364.0								
FC-1	15" 42" FIELD CONNECTION		354.7								
I-10	HOWARD COUNTY TYPE 'S' INLET	153	0-98	358.9	362.0						



MANHOLE DETAIL MH #2
NO SCALE



APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 6-8-77

Owners Name: HOWARD COUNTY PUBLIC SCHOOLS
Address: 8045 ROUTE 32
COLUMBIA MD. 21044
Telephone No: 301-531-3744

Reviewed for Howard SCD and meets technical requirements.

Wendell Boudette
SIGNATURE
U.S. SOIL CONSERVATION SERVICE
DATE 7-25-77

This development plan is approved for soil erosion and sediment control by The Howard Soil Conservation District.

APPROVED *John D. Myers*
HOWARD SCD
DATE 7-25-77

APPROVED: For public water & public sewerage systems
Howard County Health Department

James Bowen
COUNTY HEALTH OFFICER
DATE 8-4-77

APPROVED: Howard County Office of Planning and Zoning
W. H. Clemons
PLANNING DIRECTOR
DATE 8/18/77

John W. Schuman
CHIEF DIV. OF LAND DEV.
DATE 7-25-77

APPROVED: For public water & public sewerage and storm drainage systems and roads. Howard County Department of Public Works.

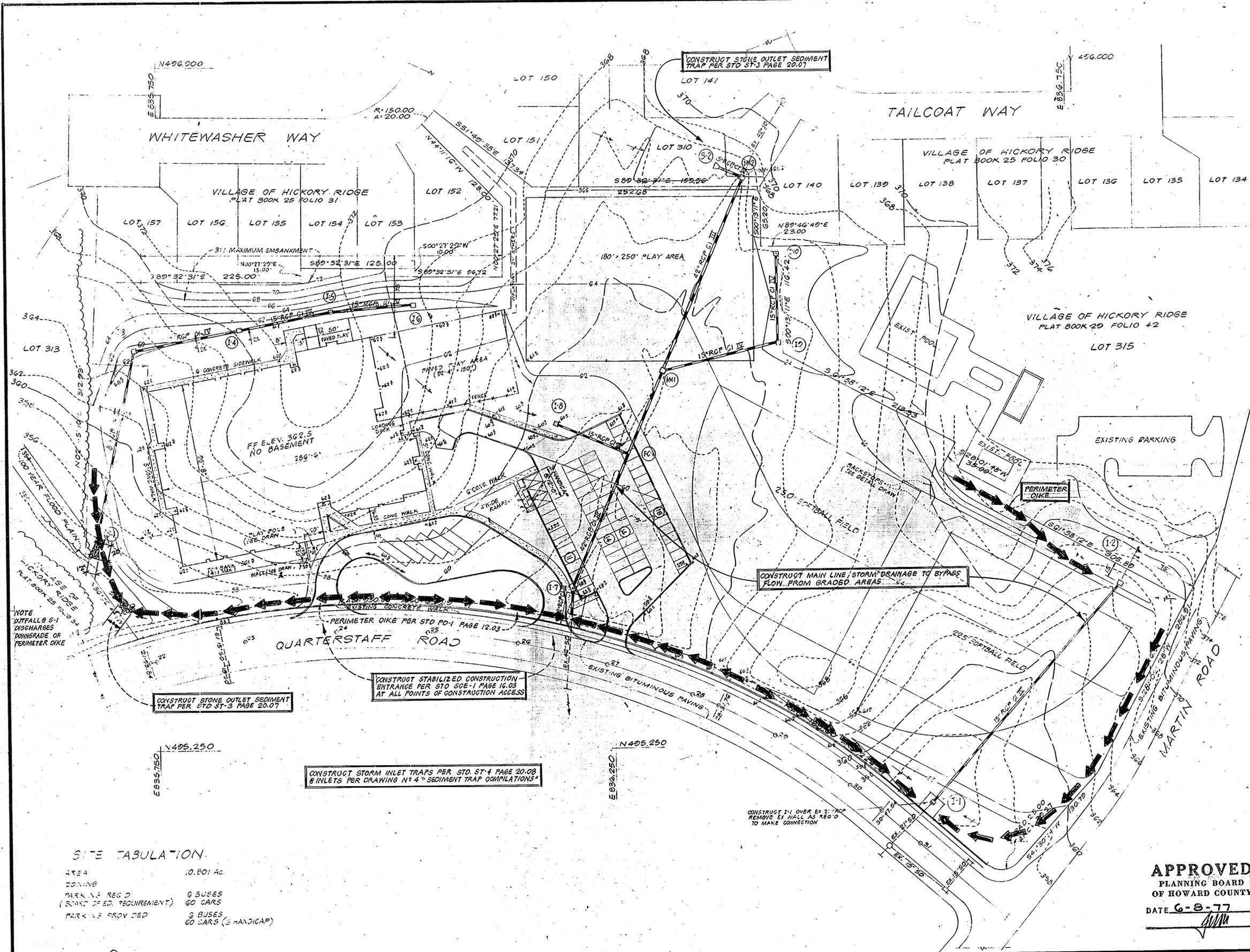
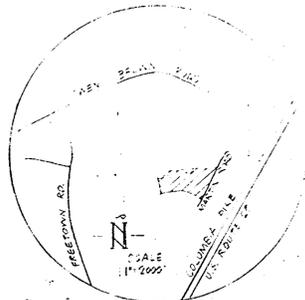
W. R. Ryan
DIRECTOR
DATE 8-1-77

Frederick R. McLeod
CHIEF BUREAU OF HIGHWAYS
DATE 7/28/77

SEYBOLT, GORE, NEWQUIST & BERLINSKY
CIVIL ENGINEERS & LAND SURVEYORS
1111 BONIFANT STREET
SILVER SPRING, MARYLAND
301-590-1111

CLEMENS CROSSING ELEMENTARY SCHOOL
VILLAGE OF HICKORY RIDGE 5TH ELECTION DISTRICT
LOT 329- SECTION 1- AREA 2 PLAT BOOK 340G
COLUMBIA, HOWARD COUNTY, MARYLAND

STORM DRAIN PROFILES
SCALE - SHOWN
SMEALLIE ORRICK & JANKA, LTD.
5820 YORK ROAD
BALTIMORE, MARYLAND
21212
301-433-4600
SHEET NO
2 OF 5
SDP-77-65



LEGEND

- Surface flow
- Ex. topography
- Prop. topography
- Spot elevations
- Prop. storm drainage
- Prop. concrete walks
- Prop. curb & gutter
- Prop. bit. conc. paving
- Ex. bit. conc. paving
- Prop. 500 area

DEVELOPER'S CERTIFICATION
 I certify that all development and/or construction will be done according to this plan or development and erosion control plan as approved by the Howard Soil Conservation District and I will be responsible for the maintenance and inspection by the Howard Soil Conservation District or its authorized agents as deemed necessary.

David J. Begany 6/15/77
 DEVELOPER

ENGINEER'S CERTIFICATION
 I certify that this plan for erosion & 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.

Gordon L. Berlinsky 4/27/77
 ENGINEER

Owners Name: HOWARD COUNTY PUBLIC SCHOOLS
 Address: 8745 ROUTE 52
 Telephone No.: 371-5345-5744

Reviewed for Howard S.C.D. and meets technical requirements.
Wendell Benditt 7-25-77
 U.S. SOIL CONSERVATION SERVICE

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.
 APPROVED: *John D. Mullen* 7-25-77
 HOWARD SCD

APPROVED: For public water & public sewerage systems
 Howard County Health Department.
Joseph B. Burton 8-4-77
 COUNTY HEALTH OFFICER

APPROVED: Howard County Office of Planning and Zoning.
John Cleary 8/8/77
 PLANNING DIRECTOR
John W. Mullen 7-25-77
 CHIEF OF LAND DEV.

APPROVED: For public water & public sewerage and storm drainage systems and Roads, Howard County Department of Public Works.

W. J. Rosand 8-1-77
 DIRECTOR
Franklin P. McLeod 7/28/77
 CHIEF BUREAU OF HIGHWAYS

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 6-8-77

SITE TABULATION

AREA	10,801 AC.
ZONING	
PARK 1.2 REG'D (BRAND OF ED. REQUIREMENT)	6 BUSES 60 CARS
PARK 1.3 PROV'D ED	2 BUSES 60 CARS (3 HANDICAP)

CONSTRUCT STONE OUTLET SEDIMENT TRAP PER STD. ST-3 PAGE 20.07

CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER STD. SOE-1 PAGE 10.03 AT ALL POINTS OF CONSTRUCTION ACCESS

CONSTRUCT STORM INLET TRAPS PER STD. ST-4 PAGE 20.08 & INLETS PER DRAWING N-4 "SEDIMENT TRAP COMPILATIONS"

CONSTRUCT STONE OUTLET SEDIMENT TRAP PER STD. ST-3 PAGE 20.07

CONSTRUCT MAIN LINE STORM DRAINAGE TO BYPASS FLOW FROM GRADED AREAS

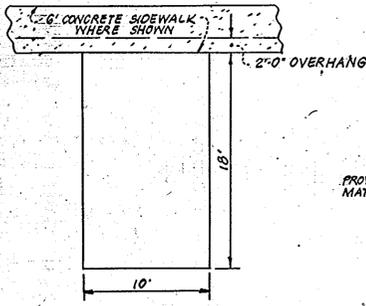
NOTE
 OUTFALLS S-1
 DISCHARGES
 DOWNGRADE OF
 PERIMETER DIKE



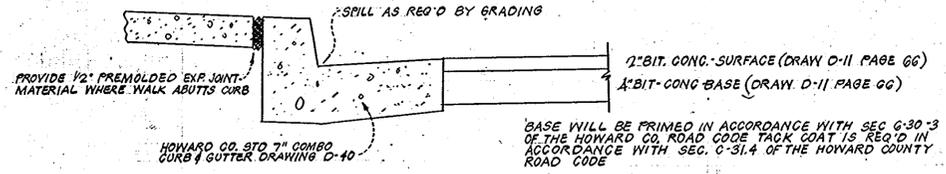
SEN. BO. T. GORE NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 111 BONTIFANT STREET
 SILVER SPRING, MARYLAND
 209-589-1111

CLEMENS CROSSING ELEMENTARY SCHOOL
 VILLAGE OF HICKORY RIDGE 5TH ELECTION DISTRICT
 LOT 329, SECTION 1, AREA 2, PLAT BOOK 3402
 COLUMBIA, HOWARD COUNTY, MARYLAND

SEDIMENT CONTROL PLAN	DATE
SMEALLIE, ORR, CK & JANKA, LTD. 5820 YORK ROAD BALTIMORE, MARYLAND 21212	SCALE: 1"=50' SHEET NO. 3 of 5 SDP-77-65c

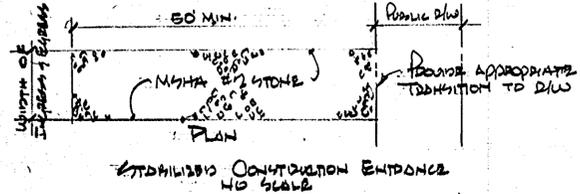
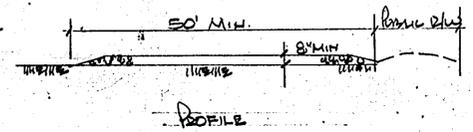


TYPICAL PARKING STALL
NO SCALE

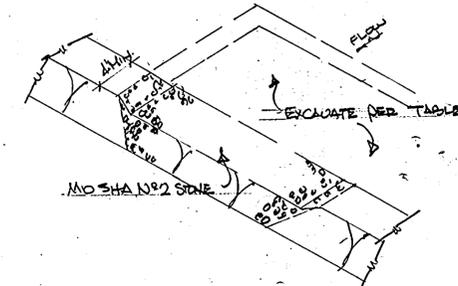
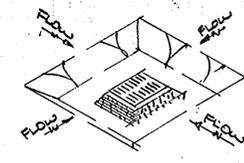


- Paving section for driveways & parking spaces shown above.
- All materials & construction shall be in accordance with Howard County Road Construction Code.
- Paved plan areas shall be 1" Bit-Conc. Surface Course as shown above with 3" Bit base course.

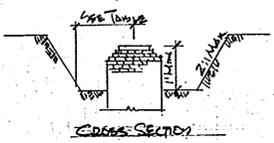
STREET & CURB & GUTTER SECTION
NO SCALE



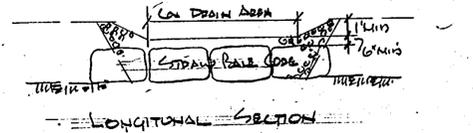
STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



CROSS SECTION - PERIMETER DIKE
NO SCALE



STONE INLET SEDIMENT TRAP (ST-4)
NO SCALE



LONGITUDINAL SECTION
STONE OUTLET SEDIMENT TRAP (ST-3)
NO SCALE

VILLAGE OF HICKORY RIDGE
PB 25 FOLIO 31

BOARD OF EDUCATION PROP.

SLOPE VARIES 3:1 MAX.

21'-0" MAX
BLDG HEIGHT

EXISTING
QUARTERSTAFF WAY

SECTION THRU SCHOOL
NO SCALE

STABILIZATION NOTES

- SODDING:**
- Apply 10-10-10 Fertilizer @ 1000 #/acre (25#/1000 #)
 - Apply ground agricultural limestone @ 2000 #/acre (50#/1000 #)
 - Incorporate both fertilizer & lime into soil by disking to a min. depth of 3" firm up after incorporation.
 - Lay sod to a tight fit. Roll to insure contact with underlying soil. Water as necessary for 1st 2 weeks (in summer) to insure establishment.

- PERMANENT SEEDING:**
- Prepare ground as in 1-3 above.
 - Apply seed mixture (Merion Kentucky Bluegrass or Common Kentucky Bluegrass @ rate of 40#/acre.
 - Mulch all seeded areas @ rate of 2 tons/acre. (See Specifications)
 - Anchorage immediately after placement by use of mulch anchoring tool or liquid binder applied @ the rate of 200/400 gal/acre

- TEMPORARY SEEDING (Sediment basin & dikes)**
- Apply 10-20-10 fertilizer @ the rate of 600#/acre
 - Apply Italian Rye Grass @ 40#/acre
 - Mulch as above.

- PLANTING SEASON:**
- Optimum seeding limits March 15-May 1 & Aug. 15-Sept 30
 - Outside allowable limits (with approval of architect) March 1-May 30 & Aug 1-Oct 15
 - Sod may be laid in these limits other times must be approved by architect.
 - Seed & sod may not be placed on frozen ground

CONSTRUCTION SEQUENCE

- Obtain Grading Permit
- Install perimeter Sediment Controls except Northern perimeter dike which should be installed after the Storm Drain System.
- Construct main line storm drainage as shown
- Construct sediment controls
- Total area grade
- Permanent stabilization of fields
- Removal of sediment controls

SITE ANALYSIS

Total area of site	10.7 Ac.
Total disturbed area	10.7 Ac.
Total area of roofs & pavement	2.4 Ac.
Total stabilized area	8.3 Ac.

LOCATION	TYPE	DRAIN. AREA	VOL. REQ'D	SIZE	VOL. PROVIDED
I-1	ST-4	3.6 AC	240 Cy	120'x30'x2'	267 Cy
I-3	"	0.4 AC	27 Cy	30'x25'x1'	28 Cy
I-4	"	"	"	"	"
I-5	"	"	"	"	"
I-6	"	0.5 AC	33 Cy	30'x30'x1'	33 Cy
I-7	"	2.3 AC	154 Cy	100'x20'x2'	148 Cy
I-8	"	1.7 AC	114 Cy	60'x50'x1'	111 Cy
S-2	ST-3	2.3 AC	154 Cy	100'x20'x2'	148 Cy
SW. CORNER	ST-3	2.0 AC	134 Cy	100'x20'x2'	148 Cy

NOTE: ALL TRAPS ARE TO BE CLEANED WHEN THEY ARE ONE HALF FULL

GENERAL SEDIMENT CONTROL NOTES

- The contractor shall obtain & maintain on the job site a copy of "Standards & Specifications for Soil Erosion & Sediment Control in Developing Areas". All construction shall be in strict accordance with the plans & above specifications.
- Main line storm drains shall be constructed according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site.
- Sediment traps shown shall be constructed immediately after the construction of all storm drainage.
- Control measures to remain in place until permission for their removal has been obtained from the Howard Co. Dept. of Inspections & Permits. 465-5000 ext. 365
- Notify the Howard Co. Dept. of Inspections & Permits at the above numbers 24 hours in advance of starting work.
- Approval of this plan is conditional upon the approval of Sediment Control plan for the off-site waste or borrow areas prior to the import of borrow or the export of all waste to or from this site.
- Plywood shall be placed over the end of any incomplete storm drain at end of each working day.

DEVELOPERS 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 Soil Conservation District or their authorized agents as deemed necessary.

Donald J. Begany
DEVELOPER
6/15/77
DATE

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

Gordon L. Berlinsky
GORDON L. BERLINSKY
4/27/77
DATE

Owners Name HOWARD COUNTY PUBLIC SCHOOLS
Address 8045 ROUTE 32
COLUMBIA MD. 21044
Telephone No 301-531-5744

Reviewed for Howard SCD and meets technical requirements
Wendell Suddeth
SIGNATURE
U.S. SOIL CONSERVATION SERVICE
12-25-77
DATE

This development plan is approved for soil erosion and sediment control by The Howard Soil Conservation District
APPROVED *John D. Myles*
HOWARD SCD
7-25-77
DATE

APPROVED: For public water & public sewerage systems
Howard County Health Department
Joseph M. Owen
COUNTY HEALTH OFFICER
8-4-77
DATE

APPROVED: Howard County Office of Planning and Zoning
W. R. ...
PLANNING DIRECTOR
8/16/77
DATE
W. R. ...
CHIEF DIV. OF LAND DEV.
7-25-77
DATE

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 6-8-77
W. R. ...

APPROVED: For public water & public sewerage and storm drainage systems and roads. Howard County Department of Public Works
D. J. ...
DIRECTOR
8-1-77
DATE
Franklin W. McLeod
CHIEF BUREAU OF HIGHWAYS
7/25/77
DATE

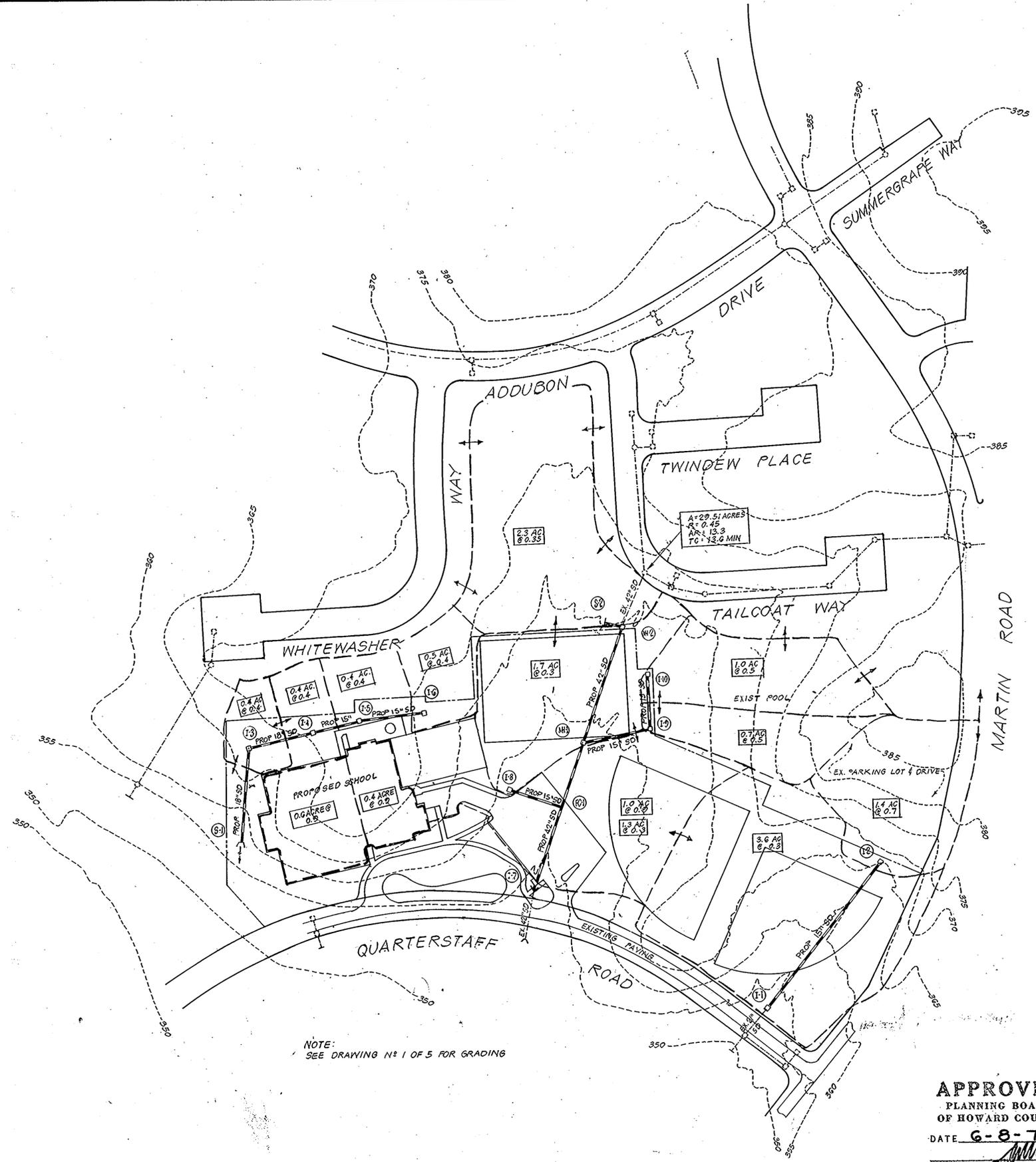


SEYBOLT, GORE, NEWQUIST & BERLINSKY
CIVIL ENGINEERS & LAND SURVEYORS
1111 BONIFANT STREET
SILVER SPRING, MARYLAND

CLEMENS CROSSING ELEMENTARY SCHOOL
VILLAGE OF HICKORY RIDGE - 5TH ELECTION DISTRICT
LOT 329 SECTION 1, AREA 2 PLAT BOOK 3406
COLUMBIA, HOWARD COUNTY, MARYLAND

NOTES & DETAILS
DATE:
SCALE: SHOWN

SMALLIE, ORRICK & JANKA LTD.
5820 YORK ROAD
BALTIMORE MARYLAND 21212
301-433-4600
DRAWING NO
4 OF 5



NOTE:
SEE DRAWING NO. 1 OF 5 FOR GRADING

Owners Name Address Telephone No	HOWARD COUNTY PUBLIC SCHOOLS 8045 ROUTE 32 COLUMBIA, MD. 21044 301-531-5744
Reviewed for Howard S.C.D. and meets technical requirements	
<i>Wm. B. Boudette</i> SIGNATURE U.S. SOIL CONSERVATION SERVICE	7-25-77 DATE
This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.	
APPROVED: <i>John D. McLean</i> HOWARD S.C.D.	7-25-77 DATE
APPROVED: For public water & public sewerage systems Howard County Health Department.	
<i>Joseph B. Jones</i> COUNTY HEALTH OFFICER	8-4-77 DATE
APPROVED: Howard County Office of Planning and Zoning	
<i>John A. Clewson</i> ACTING PLANNING DIRECTOR <i>William W. Washburn</i> CHIEF DIV. OF LAND DEV.	8/1/77 DATE 7-25-77 DATE
APPROVED: For public water & public sewerage and storm drainage systems and roads. Howard County Department of Public Works	
<i>W. Raymond</i> DIRECTOR <i>Drewville M. McLeand</i> CHIEF BUREAU OF HIGHWAYS	8-1-77 DATE 7/28/77 DATE

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 6-8-77



SEYBOLT, GORE, NEWQUIST & BERLINSKY
CIVIL ENGINEERS & LAND SURVEYORS
1111 BONIFANT STREET
SILVER SPRING, MARYLAND
301-589-1111

CLEMENS CROSSING ELEMENTARY SCHOOL
VILLAGE OF HICKORY RIDGE 5TH ELECTION DISTRICT
LOT 329 - SECTION 1 AREA 2 PLAT BOOK 340G
COLUMBIA, HOWARD COUNTY, MARYLAND

STORM DRAIN STUDY	DATE
SMEALLIE ORRICK & JANKA, LTD. 5820 YORK ROAD BALTIMORE, MARYLAND 301-433-4600	SCALE 1"=100' 5 OF 5