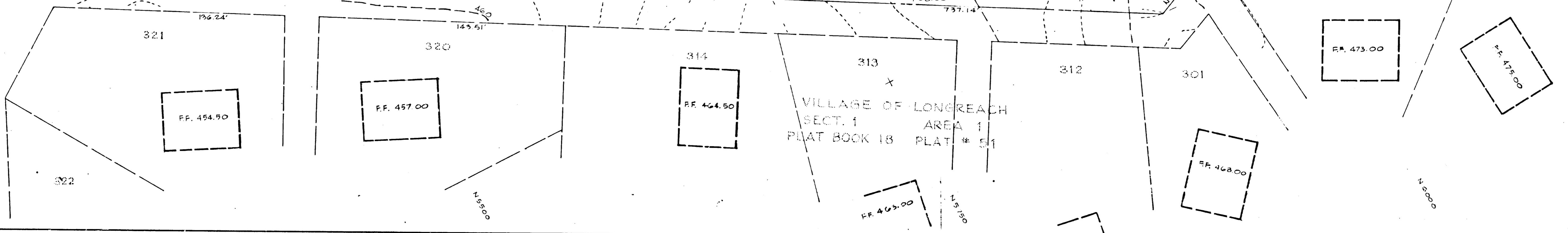


VILLAGE OF LONGREACH
SECTION 1 AREA 1
SHEET 13 OF 23

- REGULATION NOTES**
- No temporary sedimentation measures are to be removed without permission by the Soil Conservation District.
 - All grading, topsoiling, seeding and mulching to meet all applicable requirements of the "Standards and Specifications for Soil Erosion and Sediment Control in Urbanized Areas".
 - Seeding is to be performed immediately after final grading.
 - Topsoil depth shall be 4 inches compacted.
 - Howard County Soil Conservation District shall be notified at least 24 hours prior to the beginning of grading operations.
 - Grass shall be spread at the rate of one ton per acre.
 - Fertilizer 10-10-10 or equivalent shall be applied at the rate of 1000 lbs. per acre.
 - Mixture for permanent seeding shall be 40 lbs. per acre of Kentucky 31 Tall Fescue and 10 lbs. per acre Annual Ryegrass. Areas to receive permanent seeding shall be all disturbed areas outside the Building Contract. (Refer to Drawing 0-1 for limits). All slopes (3:1 and steeper) shall be seeded with a mixture of 15 lbs. per acre of inoculated Cloverseed and 40 lbs. per acre of Kentucky 31 Tall Fescue and 10 lbs. per acre of Annual Ryegrass.
 - Area within Building Contract shall receive no topsoil or seeding.
 - Immediately after seeding these areas shall be uniformly mulched - refer to Page 1-10 of the above mentioned specs. Asphalt mulch tie-down is required. Refer to Page 1-10 of above mentioned specs.)
 - 1/2" x 1/2" slopes construction forms shall be placed at each lift, especially at the end of the day.
 - Periodic inspection and maintenance of silt traps must be provided to insure intended purpose is accomplished.
- LEGEND**
- EXISTING CONTOURS
 - DESIGN CONTOURS
 - DESIGN SPOT GRADES
 - DESIGN UNDER CUT SPOT GRADES
 - TEMP. DIVERSION DIKE - SEE P. 5-2 FOR DETAIL
 - CAPPED INLET TEMPORARILY CAPPED WITH PLYWOOD INSTEAD OF GRATE.
 - TRAP
 - CURB INLET TEMPORARILY TRAPPED. SEE DETAIL ON P. 5-2

SCALE: 1" = 30'

OLDSTONE COURT



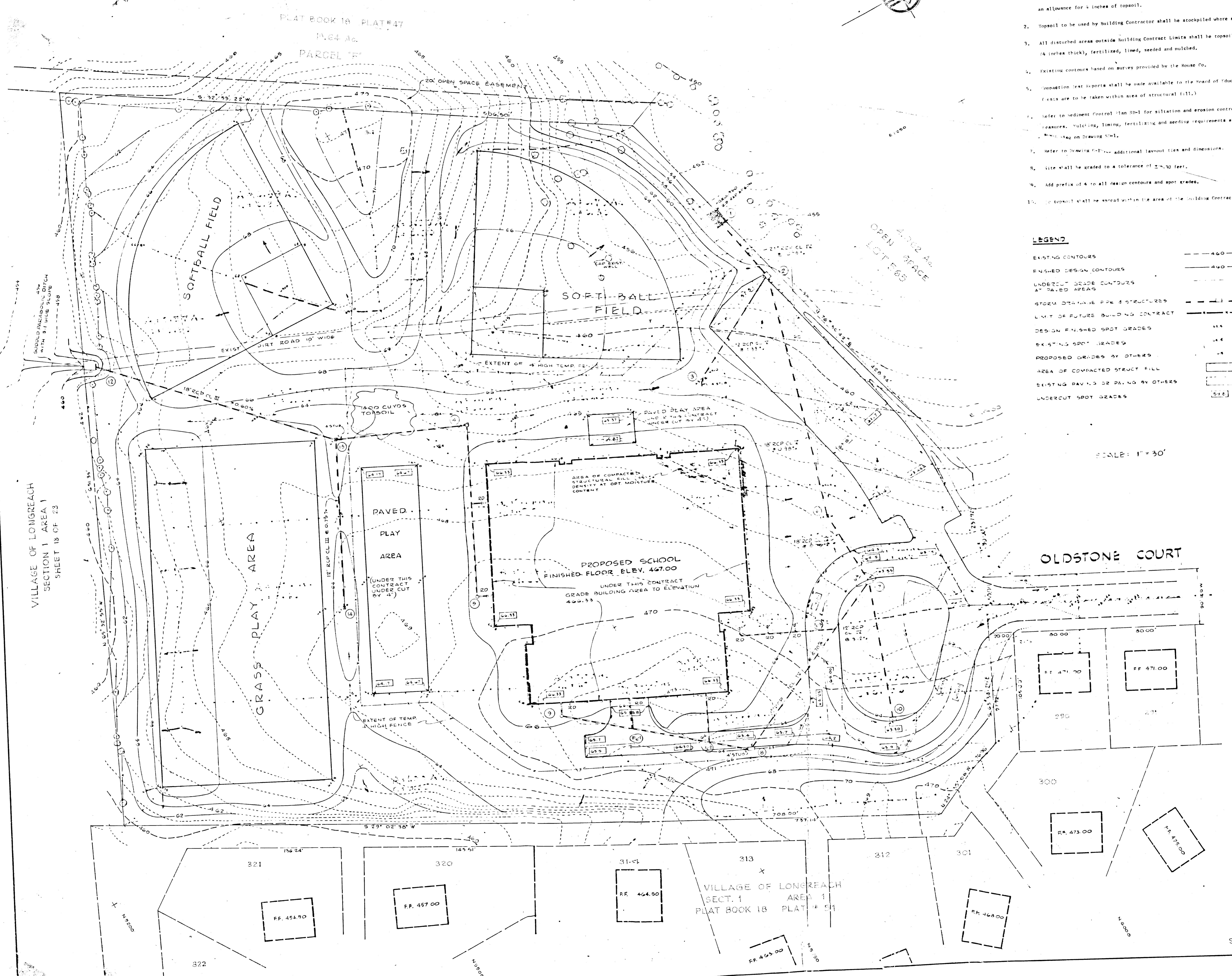
PHILIP'S LUCK ELEMENTARY SCHOOL
COLUMBIA, MARYLAND

JOHANNIS & MURRAY & ASSOCIATES
INCORPORATED
1000 W. BALTIMORE AVENUE
BALTIMORE, MARYLAND 21201
TEL: 336-1111
FAX: 336-1112

SEDIMENT PLAN

DATE: 6/1/85
SHEET NO: 13 OF 23
S.D. 1

APPROVAL: [Signature]



1. Area within Building Contract Limits shall be undercut by 6 inches. All drives and parking areas (see legend) shall be undercut by 6 inches. All finished grades, except for undercut and paved areas, refer to Finished Grades. For areas within proposed Building Contract, make an allowance for 4 inches of topsoil.
2. Topsoil to be used by Building Contractor shall be stockpiled where shown.
3. All disturbed areas outside Building Contract Limits shall be topsoiled (4 inches thick), fertilized, limed, seeded and mulched.
4. Existing contours based on survey provided by the House Co.
5. Compaction test reports shall be made available to the Board of Education (costs are to be taken within area of structural fill.)
6. Refer to Sediment Control Plan 30-1 for siltation and erosion control measures. Mulching, liming, fertilizing and seeding requirements are shown on Drawing 30-1.
7. Refer to Drawing 30-1 for additional layout lines and dimensions.
8. Site shall be graded to a tolerance of ±.10 feet.
9. Add prefix of 4 to all design contours and spot grades.
10. Topsoil shall be spread within the area of the Building Contract.

LEGEND

EXISTING CONTOURS	--- 460 ---
FINISHED DESIGN CONTOURS	--- 460 --- REFER TO NOTE #1
UNDERCUT GRADE CONTOURS AT PAVED AREAS	--- 460 ---
FORM DRAINAGE PIPE STRUCTURES	--- 1 ---
LYT. OF FUTURE BUILDING CONTRACT	--- 1 ---
DESIGN FINISHED SPOT GRADES	467
EXISTING SPOT GRADES	467
PROPOSED GRADES BY OTHERS	467
AREA OF COMPACTED STRUCT. FILL	[Hatched Box]
EXISTING PAVES OR PAVES BY OTHERS	[Dotted Box]
UNDERCUT SPOT GRADES	467

SCALE: 1" = 30'

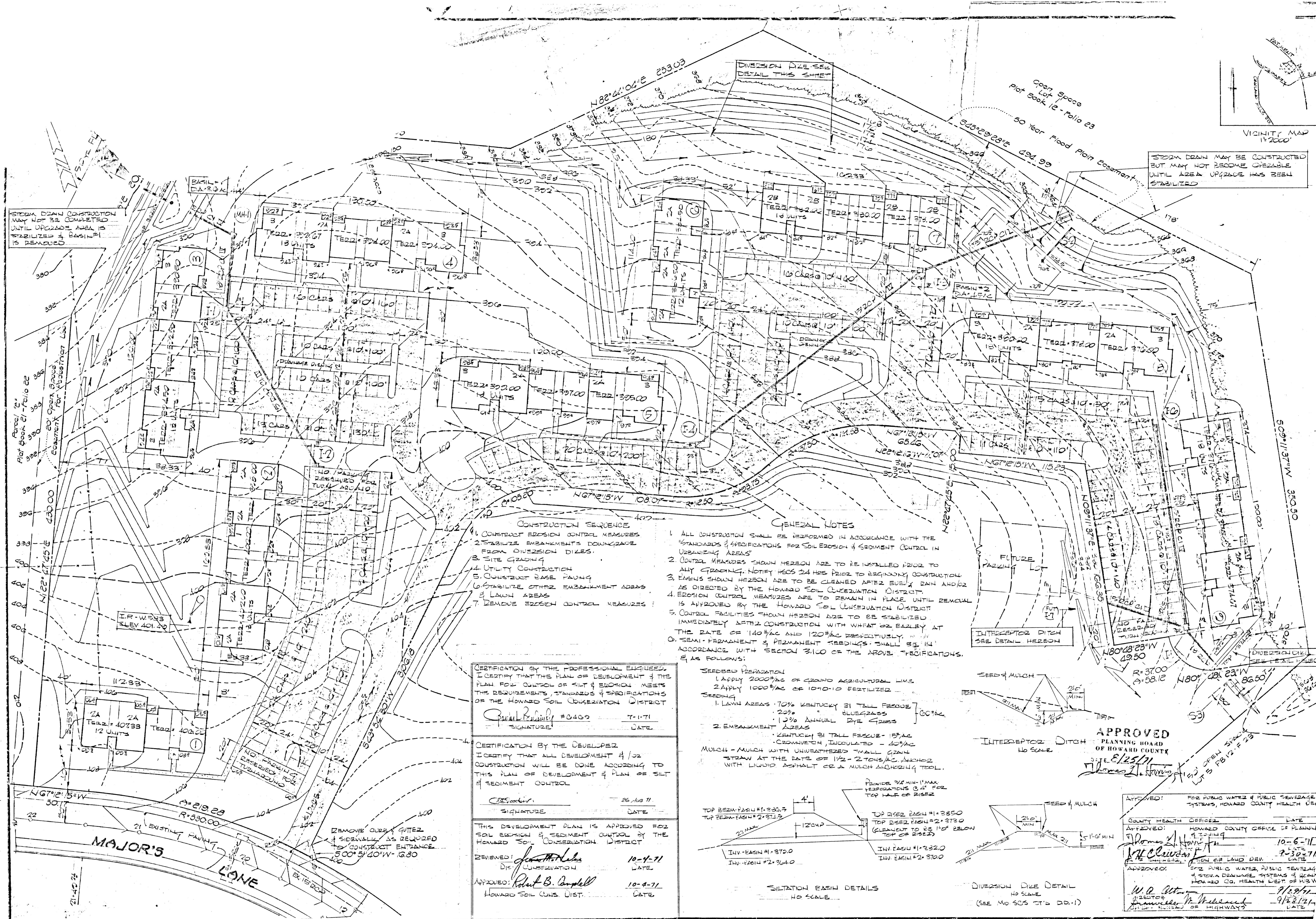
APPROVAL: *[Signature]*

JOHANNES & MURRAY & ASSOCIATES
 ARCHITECTS
 1000 N. 10TH ST. SUITE 200
 COLUMBIA, SC 29201
 P: 803.733.1111
 F: 803.733.1112
 WWW.JMA-ARCHITECTS.COM

PHIPPS LUCK ELEMENTARY SCHOOL
 MAR. LAND
 HONORABLE J. J. HARRIS
 SUPERINTENDENT OF SCHOOLS
 DIVISION 64

JOB NO. 64
 SHEET NO. DD-1

SDD72-10



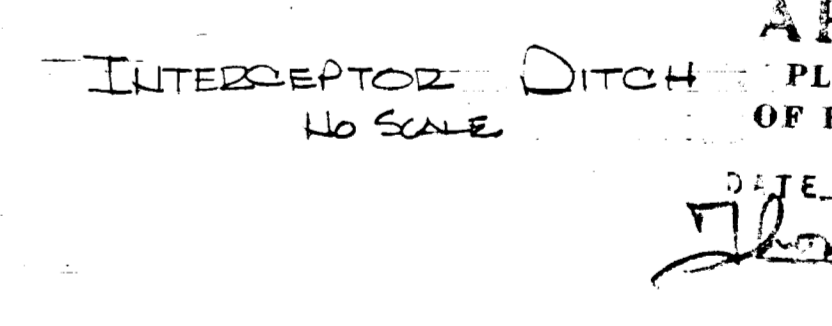
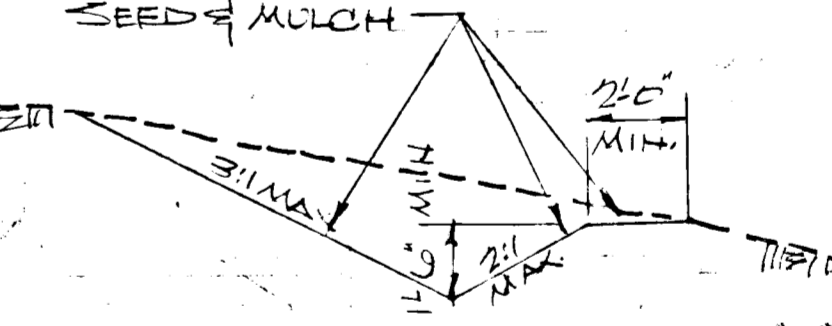
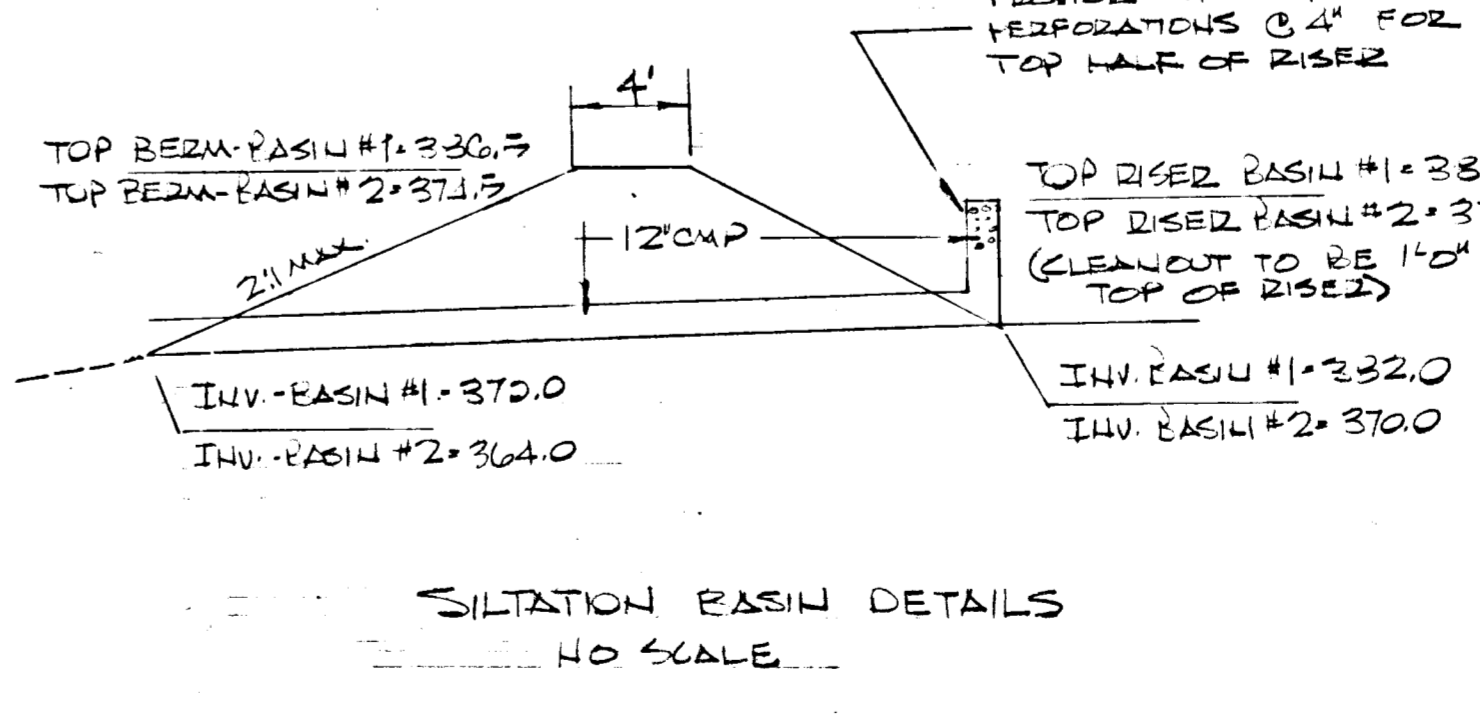
STORM DRAIN CONSTRUCTION MAY NOT BE COMPLETED UNTIL UPGRADE AREA IS STABILIZED & BASIN #3 REMOVED

STORM DRAIN MAY BE CONSTRUCTED BUT MAY NOT BECOME OPERABLE UNTIL AREA UPGRADE HAS BEEN STABILIZED

- CONSTRUCTION SEQUENCE**
1. CONSTRUCT EROSION CONTROL MEASURES
 2. STABILIZE EMBANKMENTS DOWNGRAD E FROM DIVERSION DIKES
 3. SITE GRADING
 4. UTILITY CONSTRUCTION
 5. CONSTRUCT BASE PAVING
 6. STABILIZE OTHER EMBANKMENT AREAS
 7. REMOVE EROSION CONTROL MEASURES

- GENERAL NOTES**
1. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL IN URBANIZING AREAS
 2. CONTROL MEASURES SHOWN HEREON ARE TO BE INSTALLED PRIOR TO ANY GRADING. NOTIFY HCS 24 HRS PRIOR TO BEGINNING CONSTRUCTION
 3. BASIN SHOWN HEREON ARE TO BE CLEANED AFTER EVERY RAIN AND/OR AS DIRECTED BY THE HOWARD SOIL CONSERVATION DISTRICT
 4. EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE UNTIL REMOVAL IS APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT
 5. CONTROL FACILITIES SHOWN HEREON ARE TO BE STABILIZED IMMEDIATELY AFTER CONSTRUCTION WITH WHEAT OR BARLEY AT THE RATE OF 140 LBS/A AND 120 LBS/A RESPECTIVELY
 6. SEMI-PERMANENT & PERMANENT SEEDINGS SHALL BE IN ACCORDANCE WITH SECTION 3110 OF THE ABOVE SPECIFICATIONS, & AS FOLLOWS:

- SEEDING PREPARATION**
1. APPLY 2000 LBS/A OF GROUND AGRICULTURAL LIMES
 2. APPLY 1000 LBS/A OF 10-10-10 FERTILIZER
- SEEDING**
1. LAWN AREAS - 70% KENTUCKY 31 TALL FESCUE, 20% BLUEGRASS
 2. EMBANKMENT AREAS - KENTUCKY 31 TALL FESCUE - 5 LBS/A, CROWN VETCH, INCULCATED - 40 LBS/A
- MULCH** - MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 - 2 TONS/A. MULCHED WITH LIQUID ASPHALT OR A MULCH ANCHORING TREAT.



APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 8/25/71
[Signature]

CERTIFICATION BY THE PROFESSIONAL ENGINEER, I CERTIFY THAT THE PLAN OF DEVELOPMENT & THE PLAN FOR CONTROL OF SILT & EROSION MEETS THE REQUIREMENTS, STANDARDS & SPECIFICATIONS OF THE HOWARD SOIL CONSERVATION DISTRICT

[Signature] #0409 7-1-71
DATE

CERTIFICATION BY THE DEVELOPER, I CERTIFY THAT ALL DEVELOPMENT & /OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT & PLAN OF SILT & SEDIMENT CONTROL

[Signature] 26 AUG 71
DATE

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

REVIEWED: [Signature] 10-4-71
DATE

APPROVED: [Signature] 10-4-71
DATE

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.

APPROVED: COUNTY HEALTH OFFICER [Signature] DATE 10-6-71

APPROVED: HOWARD COUNTY OFFICE OF PLANNING [Signature] DATE 9-29-71

APPROVED: SECTION OF LAND DEV. [Signature] DATE

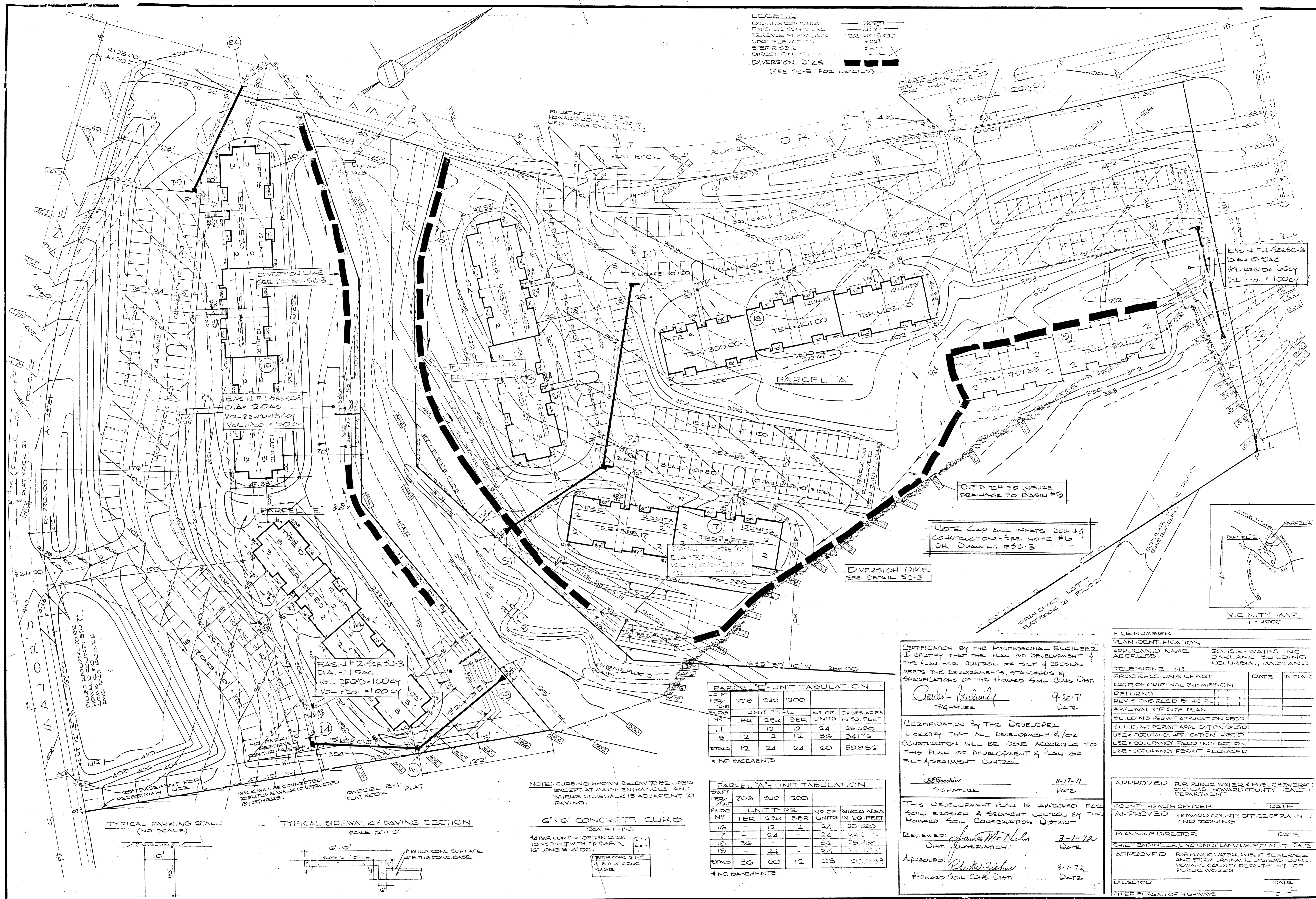
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE & STORM DRAINAGE SYSTEMS & URBAN HOWARD CO. HEALTH DEPT. OF HWY. [Signature] DATE 9/22/71

SEYBOLT, GORE, NEWQUIST & BERLINSKY
CIVIL ENGINEERS & LAND SURVEYORS
1111 BONFANT STREET
SILVER SPRING, MD. 20910

COLLINS & KRONSTADT 688 301
LEAHY · HOGAN · COLLINS 687 8642
architects · planners · engineers
1111 spring street · silver spring, maryland

SOIL EROSION CONTROL DRAWING
VILLAGE OF LONGBRANCH · JEFFERS HILL · CD'S ELECTION DIST.
PARCEL B SECTION 1, AREA 2 PLAT FOUR 12 FOLIO 23
FINAL DEVELOPMENT PLAN PHASE 29 PB 20 FOLIOS 21 TO 31 · COLUMBIA, MD.

TUBE FILE

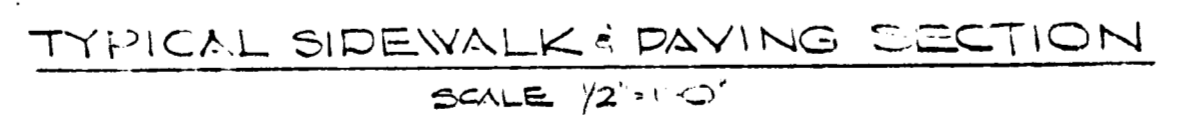
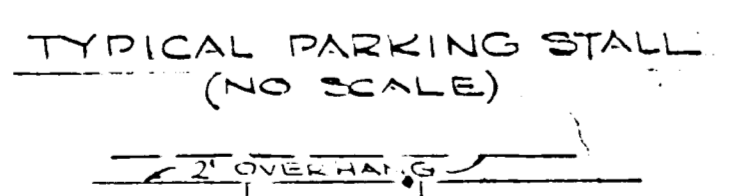
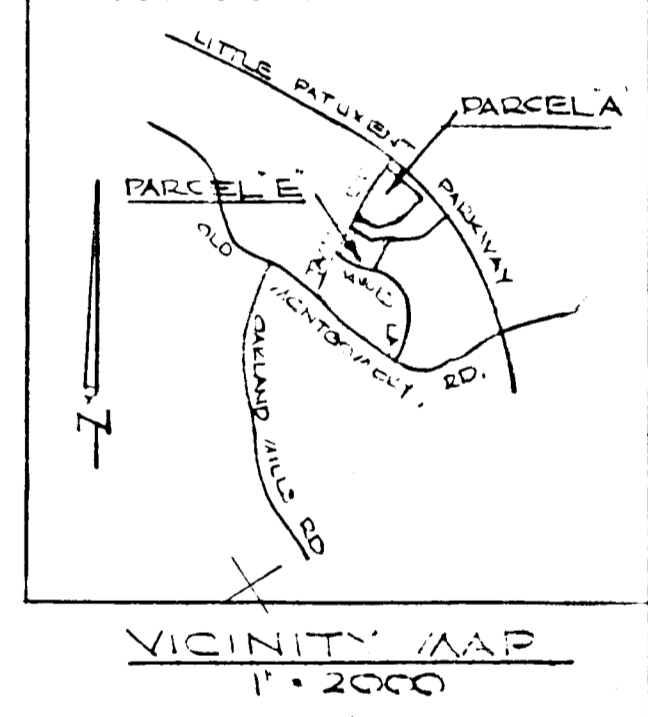


LEGEND
 EXISTING CONTOUR 1000
 FINISH CONC. 1 1/2" 403.00
 TERRACE ELEVATION 402.00
 SLOPE ELEVATION 401.00
 SLOPE 2:1
 DIRECTIONAL ARROW
 DIVERSION DIKE (SEE 10-B FOR DETAILS)

NOTE: CAP ALL INLETS DURING CONSTRUCTION - SEE NOTE #16 ON DRAWING #SC-3

DIVERSION DIKE SEE DETAIL SC-3

OUT DITCH TO INSURE DRAINAGE TO BASIN #3



NOTE: CURBING SHOWN BELOW TO BE USED EXCEPT AT MAIN ENTRANCES AND WHERE ELEV. WALK IS ADJACENT TO PAVING.

6" x 6" CONCRETE CURB SCALE 1/4" = 1'-0"

PAR CONTINUOUS PIN CURB TO ASPHALT WITH 1/4" PAR 1/2" LONG & 4" OC.

PARCEL 'E' UNIT TABULATION

NO.	UNIT TYPE	NO. OF UNITS	GROSS AREA IN SQ. FEET
1A	1BR	12	25,650
1B	2BR	12	24,175
TOTAL		24	49,825

* NO BASEMENTS

PARCEL 'A' UNIT TABULATION

NO.	UNIT TYPE	NO. OF UNITS	GROSS AREA IN SQ. FEET
16	1BR	12	26,680
17	2BR	12	24,175
18	3BR	12	25,428
19	4BR	12	24,175
TOTAL		48	100,458

* NO BASEMENTS

CERTIFICATION BY THE PROFESSIONAL ENGINEER
 I CERTIFY THAT THE PLAN OF DEVELOPMENT & THE PLAN FOR CONTROL OF SILT & EROSION MEETS THE REQUIREMENTS, STANDARDS & SPECIFICATIONS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: *Carol Berulsky* Date: 9-30-71

CERTIFICATION BY THE DEVELOPER
 I CERTIFY THAT ALL DEVELOPMENT & CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT & PLAN OF SILT & SEDIMENT CONTROL.
 Signature: *James M. Nelson* Date: 11-17-71

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 REVIEWED: *James M. Nelson* 3-1-72
 DIST. SUPERVISOR
 APPROVED: *Richard Zepher* 3-1-72
 HOWARD SOIL CONSERVATION DIST. DATE

FILE NUMBER	PLAN IDENTIFICATION	APPLICANT'S NAME	ADDRESS
		ROUSE-WATERS INC.	OAKLAND BUILDING COLUMBIA, MARYLAND
TELEPHONE NO.	PROCESSED DATA CHART	DATE OF ORIGINAL SUBMISSION	DATE
REVISIONS RECD BY HC PD	APPROVAL OF SITE PLAN	BUILDING PERMIT APPLICATION RECD	BUILDING PERMIT APPLICATION ISSUED
		USE & OCCUPANCY APPLICATION RECD	USE & OCCUPANCY FIELD INSPECTION
		USE & OCCUPANCY PERMIT RELEASED	
APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	DATE		
COUNTY HEALTH OFFICER	DATE		
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING	DATE		
PLANNING DIRECTOR	DATE		
CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT	DATE		
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	DATE		
DIRECTOR	DATE		
CHIEF BUREAU OF HIGHWAYS	DATE		

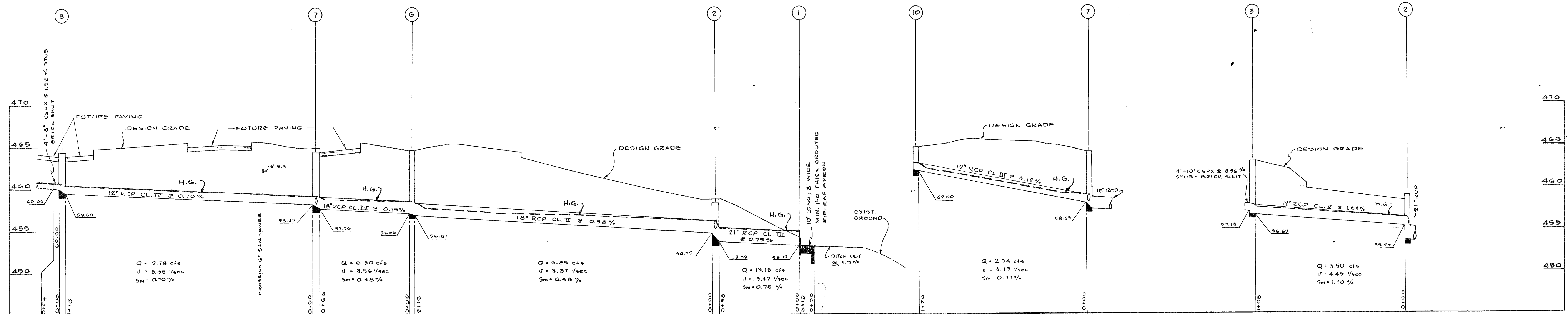
SEYBOLT, GORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 1111 BONNAY STREET
 SILVER SPRING, MD. 20910
 Signature: *Carol Berulsky* 9-30-71
 GORDON L. BERLINSKY - PE #6460

OWNER
 JEFFERS HILL DEVELOPMENT CO.
 90 ROUSE-WATERS INC.
 OAKLAND BUILDING
 COLUMBIA, MARYLAND 21013

COLLINS & KRONSTADT 444 301
LEAHY HOGAN COLLINS 587 8642
 architects · planners · engineers
 1111 spring street · silver spring, maryland

TAX MAP # 25
 PARCEL # 22

SEDIMENT CONTROL PLAN ONLY
 VILLAGE OF LONG REACH - JEFFERS HILL - 6TH ELECTION DIST.
 PARCEL 'A' - PARCEL 'E' SECTION I AREA 2 PLAT 200K 21 FOLIOS 21 & 22
 FINAL DEVELOPMENT PLAN PHASE 20 PD 20 FOLIOS 21 & 25 COLUMBIA MD.
 DATE: 7-30-71

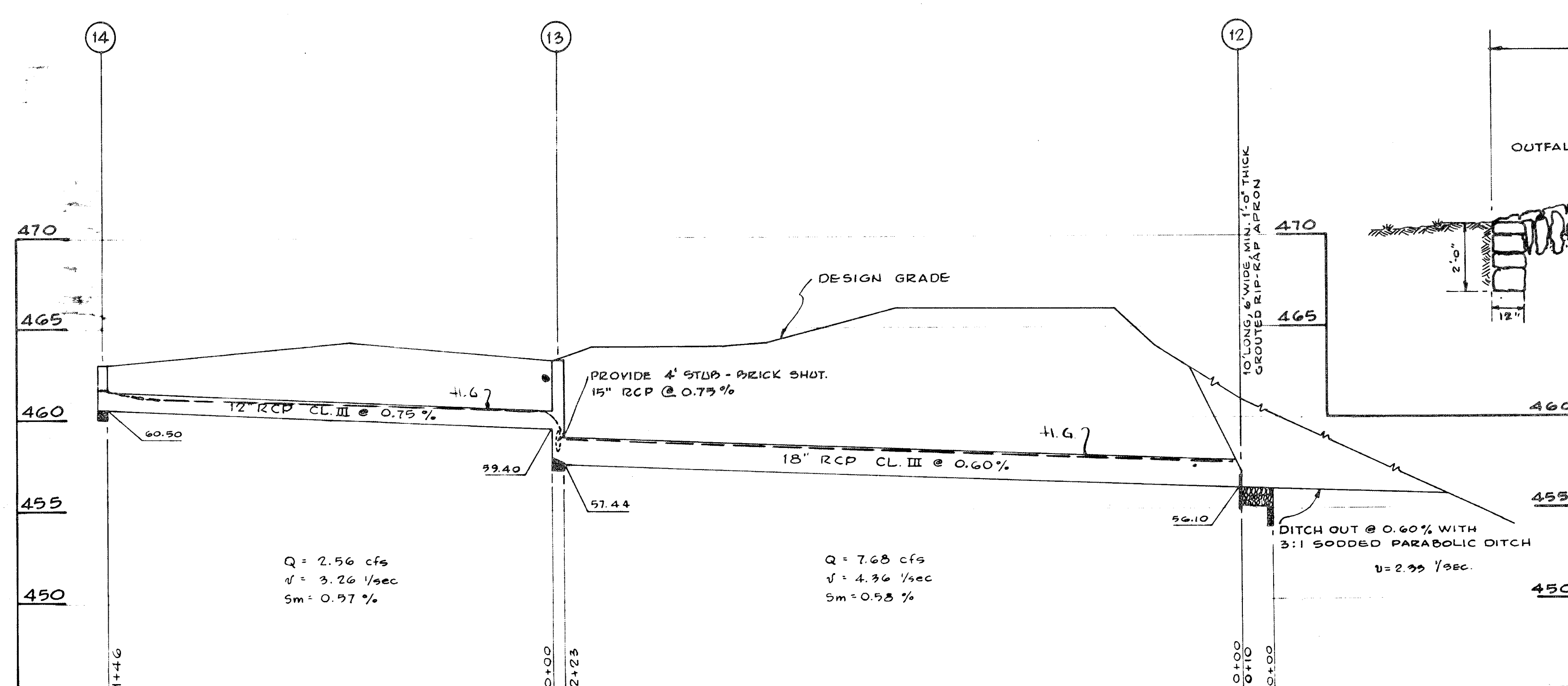
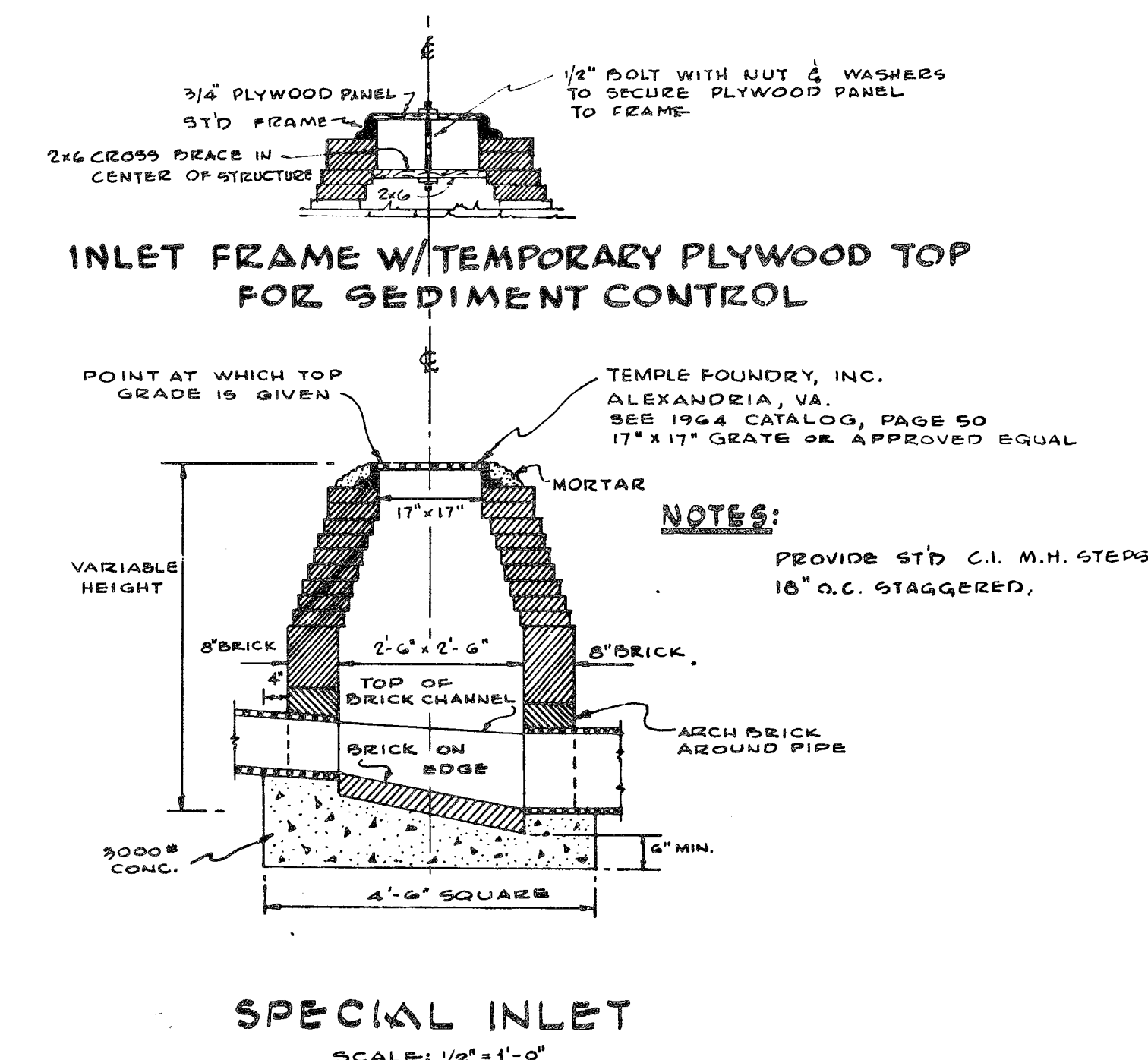
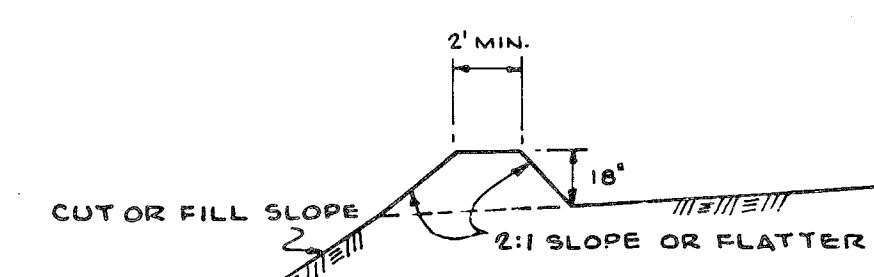
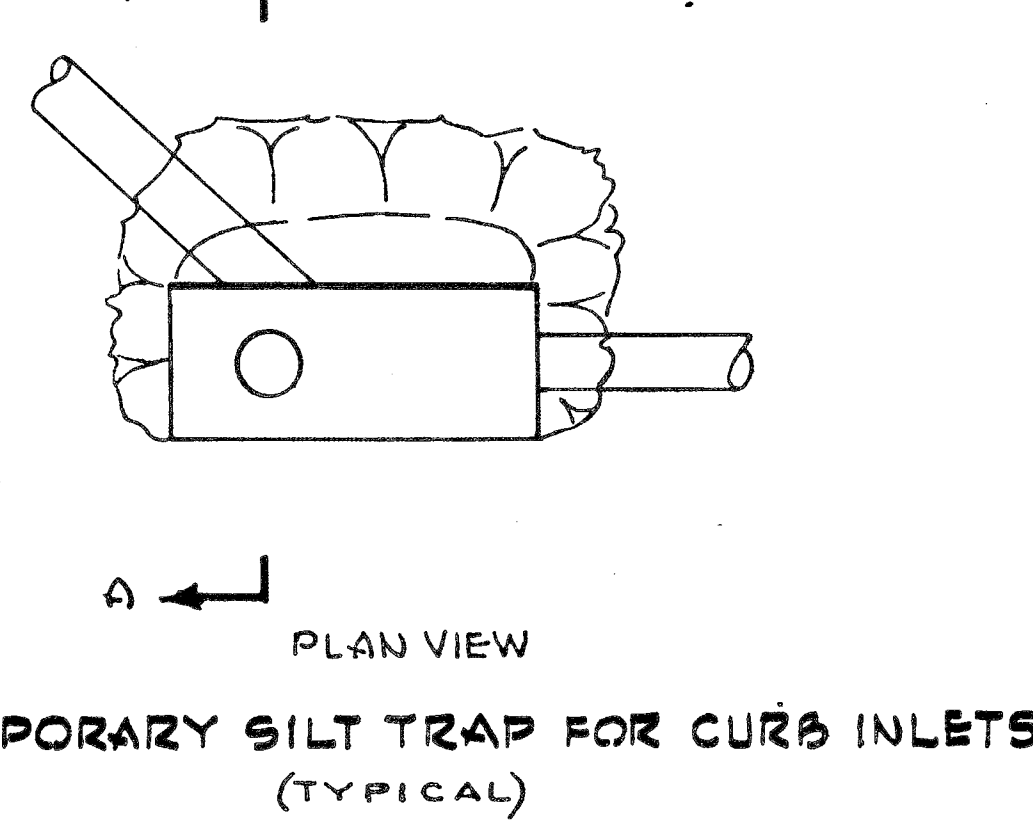
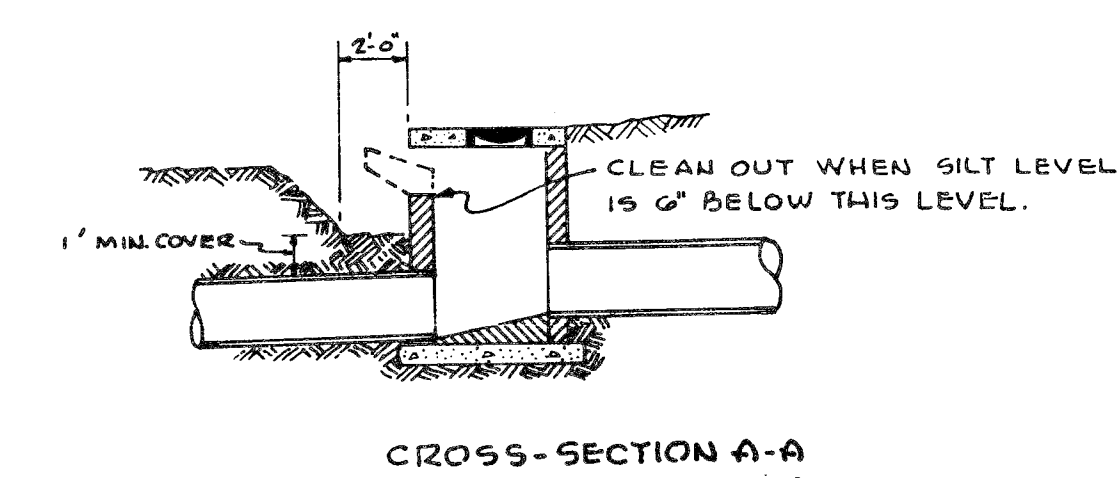


STORM DRAIN PROFILES
SCALE: HORIZ. 1" = 50', VERT. 1" = 5'

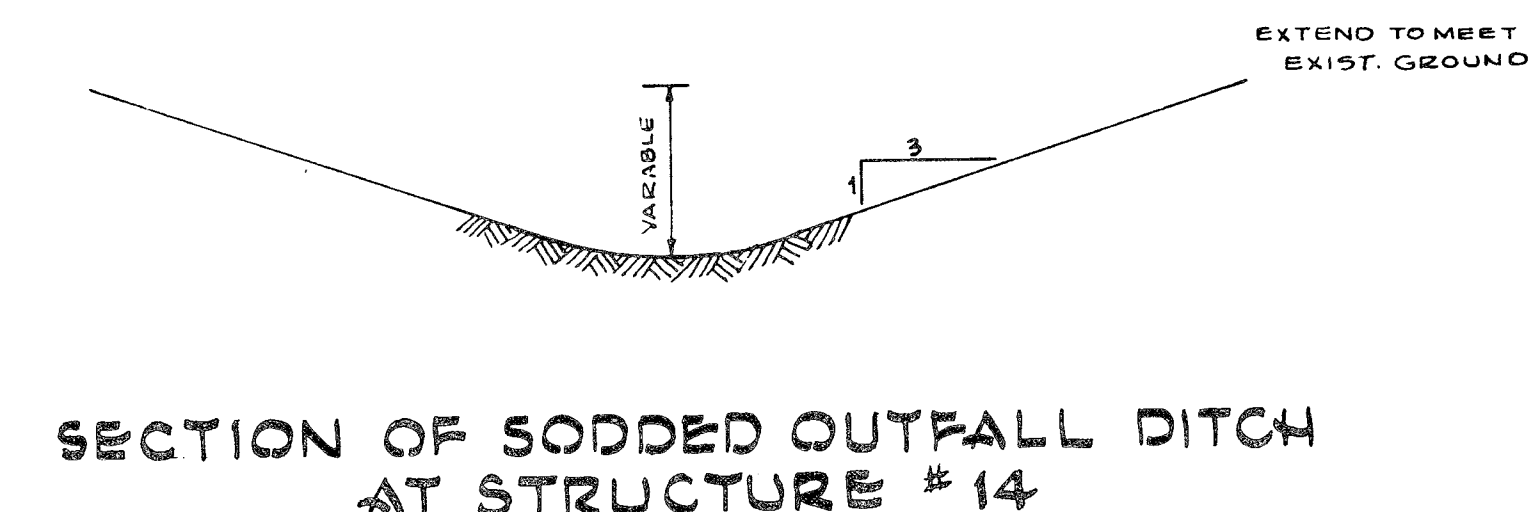
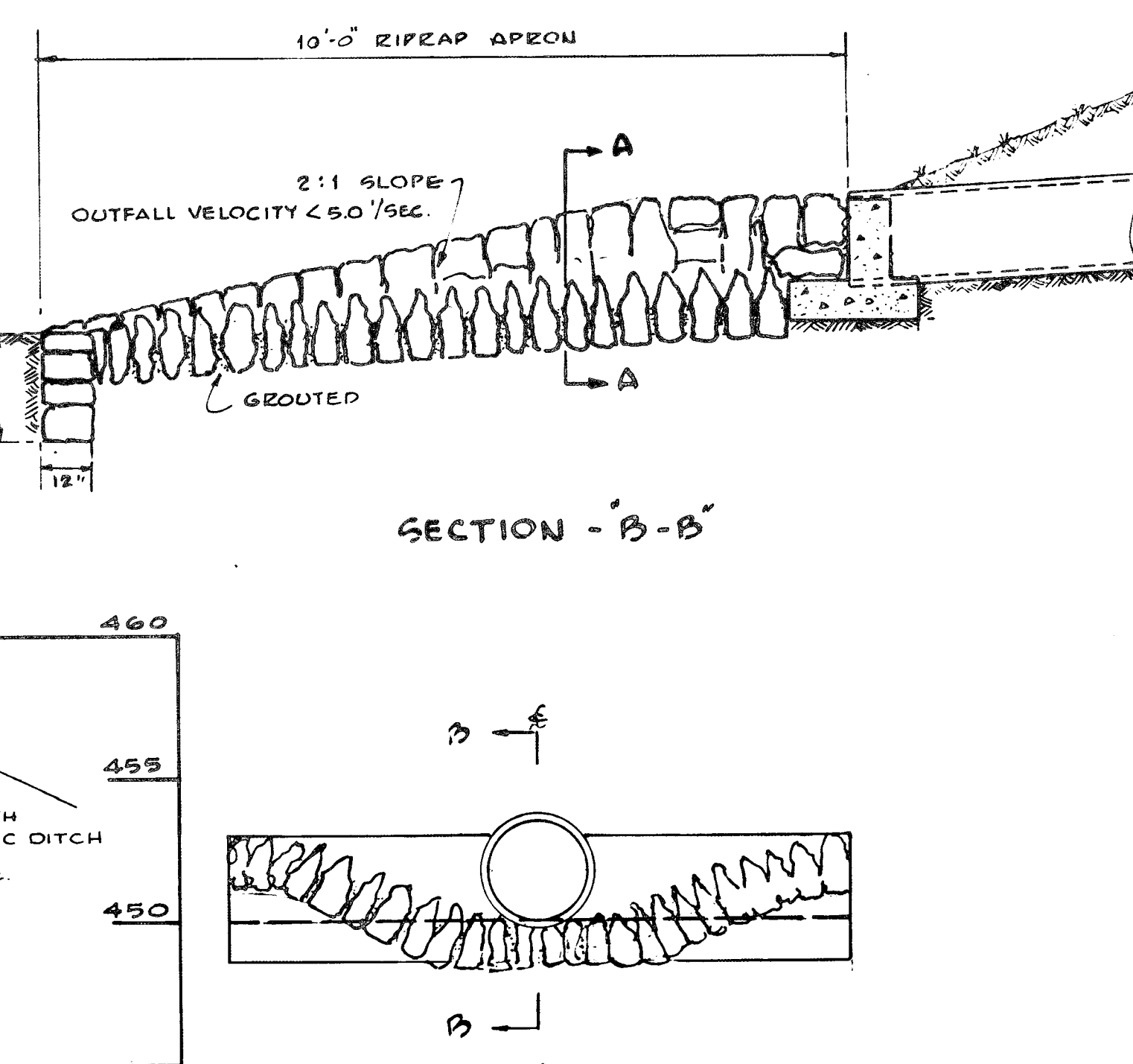
STRUCTURE TABLE

No.	TYPE	ELEV.	REMARKS
1	END SUPPORT WALL	—	HOWARD CTY. DETAIL; D-46 ***
2	A-9 CURB INLET	468.80	STD. HOWARD CTY. DETAIL; G4-A
3	SPECIAL INLET	463.70	SEE DETAIL THIS SHEET
4	SPECIAL INLET	468.00	N.I.C.
5	MANHOLE	466.10	N.I.C.
6	SPECIAL INLET	464.60	SEE DETAIL THIS SHEET
7	A-9 CURB INLET	464.89	STD. HOWARD CTY. DETAIL; G4-A *
8	A-9 CURB INLET	464.10	STD. HOWARD CTY. DETAIL; G4-A
9	MANHOLE	466.20	N.I.C.
10	A-9 CURB INLET	464.90	STD. HOWARD CTY. DETAIL; G4-A *
11	CONNECTION TO ROOF DRAIN	—	N.I.C.
12	END SUPPORT WALL	—	HOWARD CTY. DETAIL; D-46
13	SPECIAL INLET	469.20	SEE DETAIL THIS SHEET *
14	SPECIAL INLET	469.00	SEE DETAIL THIS SHEET

* MODIFY STD. A-9 INLET SLAB TO FIT CURB RADIUS SHOWN ON SITE PLAN.
 ** USE 24" x 24" GRATE - TEMPLE FOUNDRY CATALOG, PAGE 56
 1" DIA. 3/4" OPENING OR APPROVED EQUAL.
 *** USE STD. SUPPORT WALL FOR 24" PIPE.



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



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

COUNTY HEALTH OFFICER	DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	DATE
PLANNING DIRECTOR	DATE
COLUMBIA COUNTY DEPARTMENT OF LAND DEVELOPMENT	DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND STADS	DATE
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	DATE

JOHANNES & MURRAY & ASSOCIATES
 ENGINEERS AND ARCHITECTS
 1111 MARKET STREET, SUITE 200
 COLUMBIA, MARYLAND 21046
 PHONE: (410) 727-1111
 FAX: (410) 727-1112

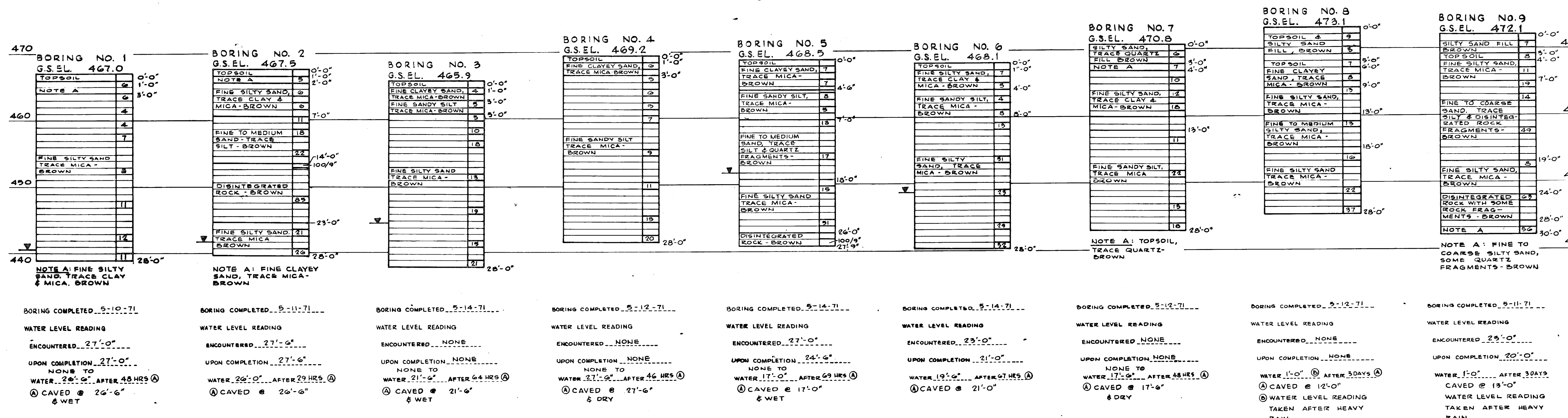
PHILIP'S LUCK ELEMENTARY SCHOOL
 MARYLAND
 DIVISION OF PUBLIC WORKS
 DEPARTMENT OF PUBLIC WORKS

STORM DRAINAGE PROFILES & DETAILS

REVISIONS:
 REVISED: 08/14/14
 REVISED: 08/14/14
 REVISED: 08/14/14
 REVISED: 08/14/14
 REVISED: 08/14/14

SHEET NO. 640
 PS-2

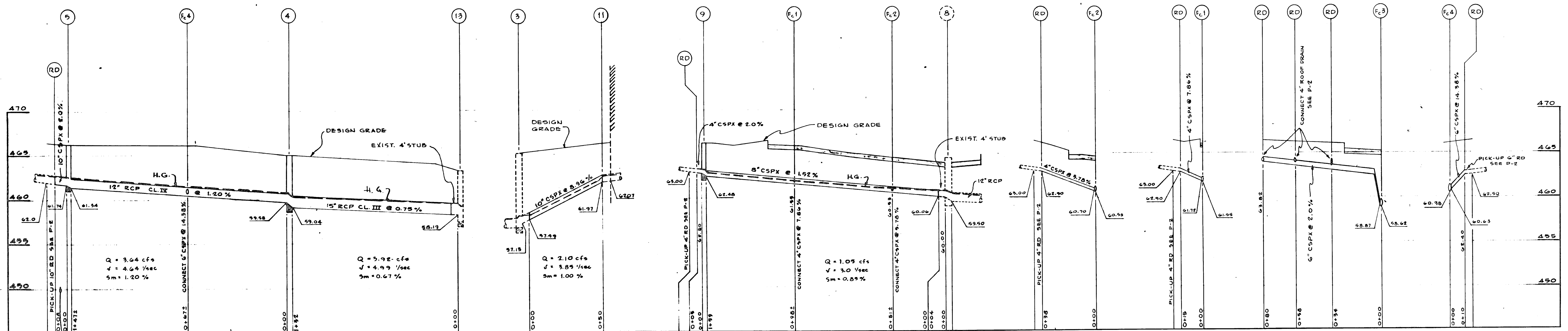
TEST BORING LOG



GENERAL TEST BORING NOTES

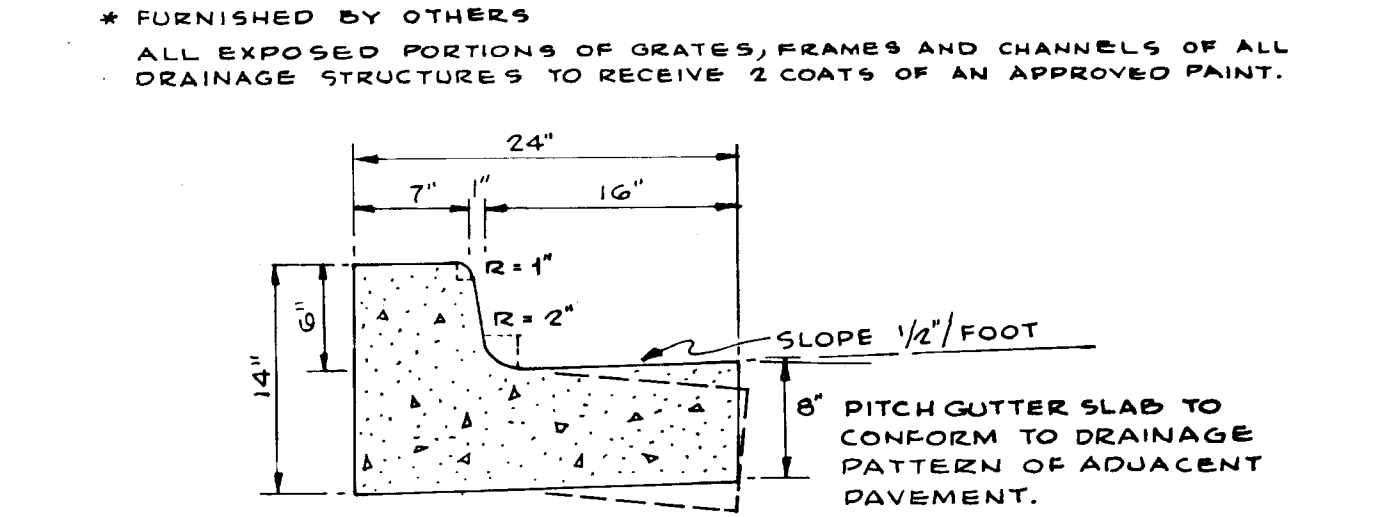
- Number in right hand column of boring log indicates blow required to drive 2 in. O.D., 1 3/8 in. I.D. sampling spoon one foot using a 140 pound hammer falling 30 inches.
- Classification of soil is by visual inspection and is in accordance with the Unified Soil Classification System.
- Groundwater levels indicated by # are only estimates based upon water level observations taken during boring operations. It should be noted that the levels recorded may vary seasonally, with drilling method used, penetrability of the soil, tide, pumping, site topography, and other factors.
- Refusal at the surface of rock, boulder, or obstruction is defined as a penetration resistance of 100 blows for 2 inches penetration or less.
- Borings made by mechanical auger without the use of drilling water.
- Drilling foreman J. Raymond.
- C.S. El. = Ground Surface Elevation.

Test borings were made by FOUNDATION TEST SERVICE, INC., 4909 Cordell Avenue, Bethesda, Maryland, Phone 301-652-8430.

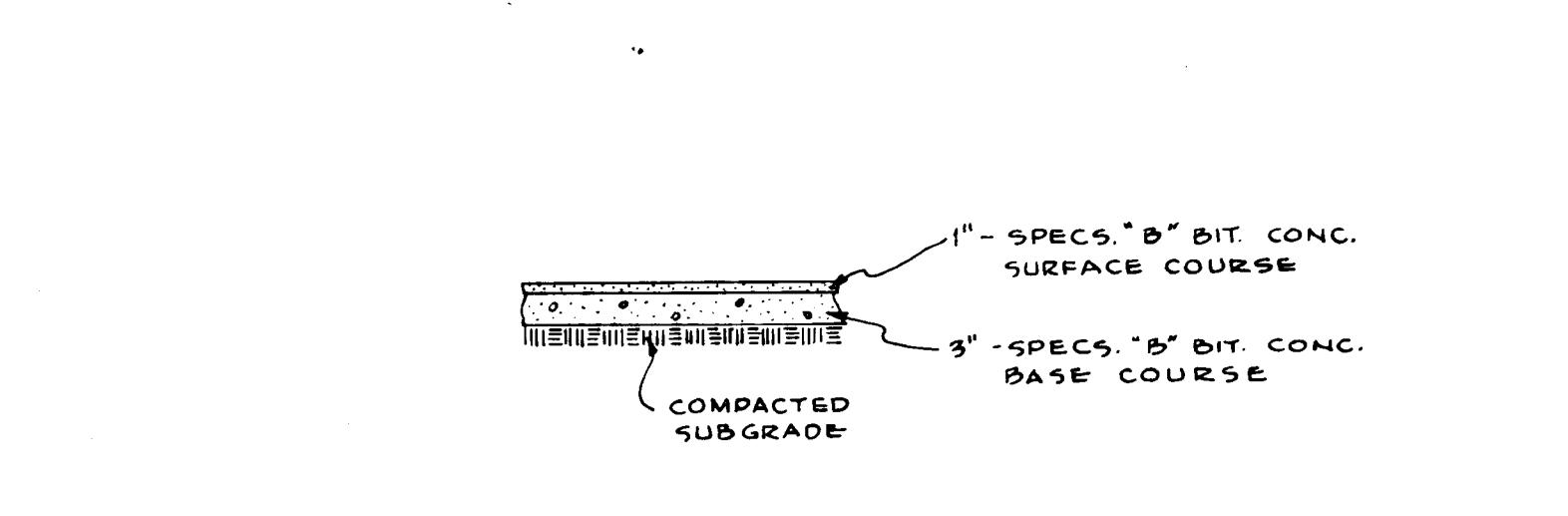


STRUCTURE TABLE

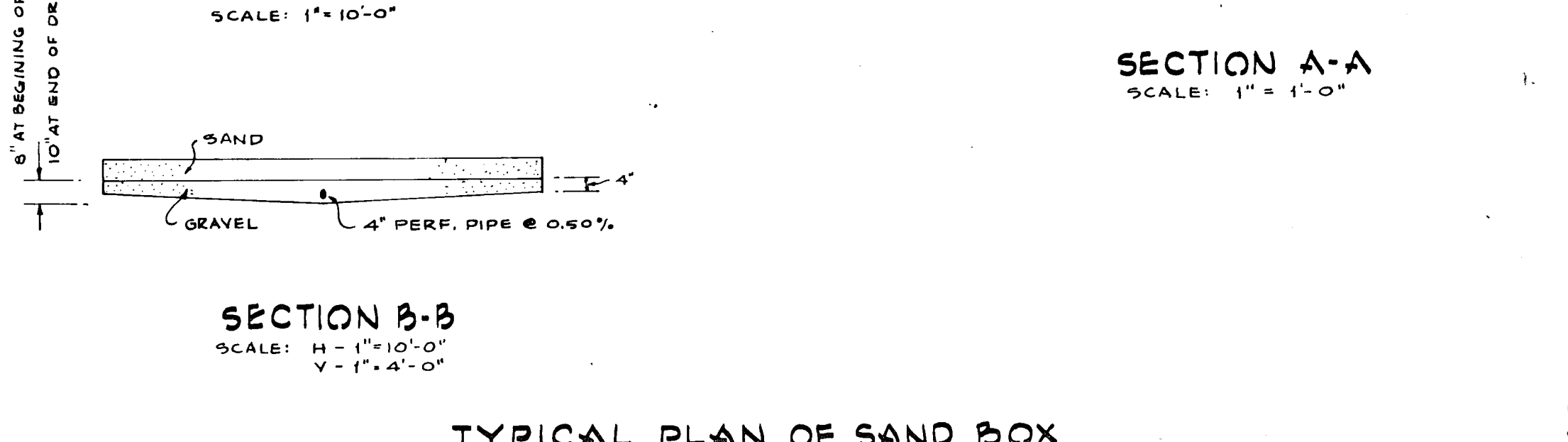
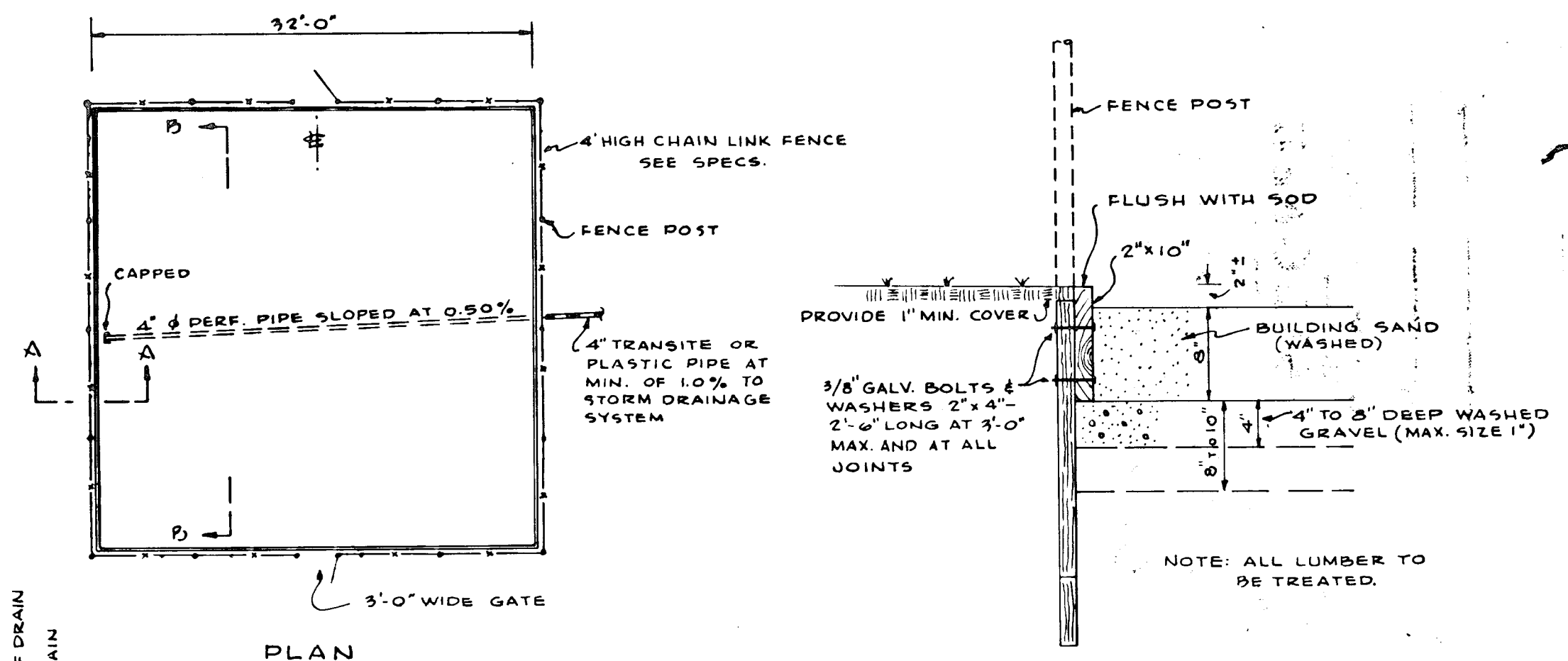
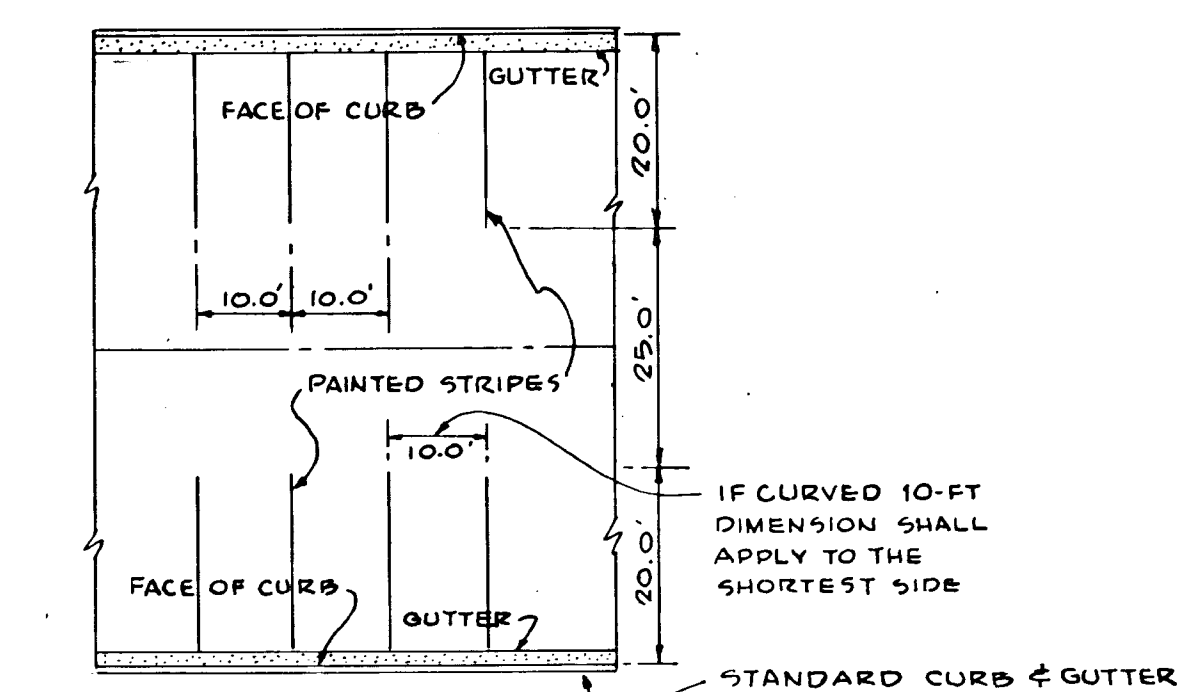
No.	TYPE	ELEV.	REMARKS
1	END SUPPORT WALL	—	EXIST.
2	A-9 CURB INLET	458.80	EXIST. REMOVE SEDIMENT FEATURE
3	SPECIAL INLET	462.90	EXIST. REMOVE SEDIMENT FEATURE (INITIAL GREAT #)
4	SPECIAL INLET	469.00	A5 DETAILED
5	MANHOLE	466.10	STD. HOWARD CITY DETAIL D-103
6	SPECIAL INLET	464.60	EXIST. REMOVE SEDIMENT FEATURE (INITIAL GREAT #)
7	A-9 CURB INLET	464.85	EXIST. REMOVE SEDIMENT FEATURE
8	A-9 CURB INLET	464.40	EXIST. REMOVE SEDIMENT FEATURE
9	MANHOLE	466.20	STD. HOWARD CITY DETAIL D-103
10	A-9 CURB INLET	464.50	EXIST. REMOVE SEDIMENT FEATURE
11	CONNECTION TO BOB DRAIN	—	—
12	END SUPPORT WALL	—	EXIST.
13	SPECIAL INLET	469.20	EXIST.
14	SPECIAL INLET	469.00	EXIST.



TYPICAL PAVING SECTION FOR DRIVES & PARKING AREAS



TYPICAL PAVING SECTION FOR PAVED PLAY AREAS



JOHANNES & MERRITT & ASSOCIATES
REGISTERED PROFESSIONAL ENGINEERS
1000 W. WASHINGTON ST. SUITE 200
BETHESDA, MARYLAND 20814
PHONE 301-652-8430

PHILIP'S LUCK ELEMENTARY SCHOOL
MARYLAND
COLLEGE PARK
FOR THE BOARD OF EDUCATION
DR. THOMAS G. BOGGS
SUPERINTENDENT OF SCHOOLS

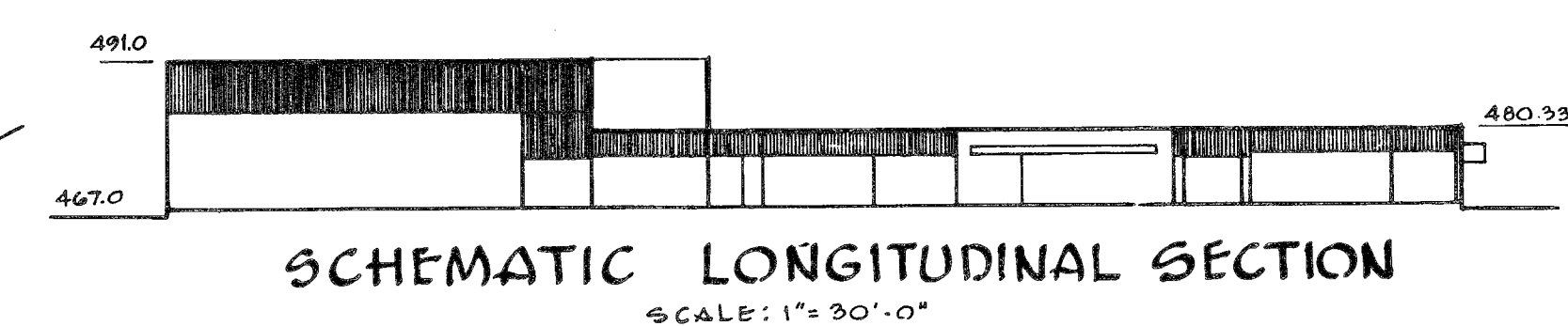
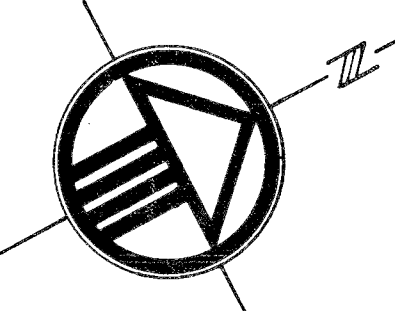
DETAILS

DATE: 05-24-02
REV. B. D.

SHEET NO. **640**

G-2

PLAT BOOK 18 PLAT 47
PARCEL F 13.64 AC.



APPROVED: FOR PUBLIC WATER & NO PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER _____ DATE _____

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR _____ DATE _____

CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT _____ DATE _____

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

DIRECTOR _____ DATE _____ CHIEF, BUREAU OF HIGHWAYS, DATE _____

- LEGEND**
- 460--- EXISTING CONTOURS (REFER TO NOTE 1)
 - 60--- DESIGN CONTOURS
 - 67.4--- EXISTING SPOT GRADES } ADD PREFIX OF 4
 - 69.4--- DESIGN SPOT GRADES }
 - (1)--- EXISTING STORM DRAINAGE
 - (2)--- STORM DRAINAGE UNDER CONTRACT
 - (3)--- ROOF DRAINS (SEE MECH. DWGS.)
 - (4)--- CONC. WALK OF SLAB
 - (5)--- BITUMINOUS CONCRETE PAVING (SEE SECTION FOR THICKNESS.)
 - (6)--- PAINTED PARKING BAY LINES
 - (7)--- CONCRETE CURB AND GUTTER
 - (8)--- FENCING, PERMANENT & TEMPORARY
 - (9)--- TEST BORING

- COMPLETE SET OF SITE PLANS CONSISTS OF:**
- PS-1 PRELIMINARY SITE GRADING PLAN
 - PS-2 PRELIMINARY SITE PLAN PROFILES & DETAILS
 - G-1 SITE PLAN (PART OF BLDG. CONTRACT)
 - G-2 DETAILS (PART OF BLDG. CONTRACT)
 - SD-1 SEDIMENT PLAN
 - DD-1 DRAINAGE DIVIDES
 - 7PP STORM DRAINAGE COMPUTATIONS

AREA OF PROPERTY 10.00 AC.
6TH ELECTION DISTRICT
PROPERTY RECORDED IN PLAT BOOK 18, FOLIO 47
FINAL DEVELOPMENT PHASE 77, P.D. 19, FOLIO 50-72
NUMBER OF PARKING SPACES REQUIRED AND PROVIDED: 50
TAX MAP #30
TAX PARCEL 289
LOT #563

- NOTES**
- Site within Contract Limits has been pre-graded (See Specs.) by others. Building area has been under cut by 8 inches, paved play areas by 4 inches and the paved drives and parking areas by 6 inches. Existing contours shown within limits of this Contract at all unpaved areas indicate the final grade allowing for 4 inches of top soil which has to be spread by this Contractor. Expected tolerance of the existing grading is $\pm 0.30'$.
 - 1400 Cbys. of topsoil has been stockpiled for this contractor's use.
 - All unpaved areas within limits of this contract are to be topsoiled, limed, fertilized and soded.
 - Pitch gutter away from curb w/e required by drainage pattern.
 - Refer to Architectural Drawings for additional building layout dimensions.
 - For Water, Sanitary Sewer, Gas and Electric Service, refer to Mechanical and Electrical Plans.
 - Material and workmanship for grading, storm drainage and paving work is to meet the requirements of the Road Construction Code and Standard Specifications for Howard County.
 - All concrete walks to be 4 inches thick.

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN OF SILT AND SEDIMENT CONTROL.

REVISION: CO _____ DATE _____ BOARD OF EDUCATION, HOWARD COUNTY, MARYLAND _____ DATE _____

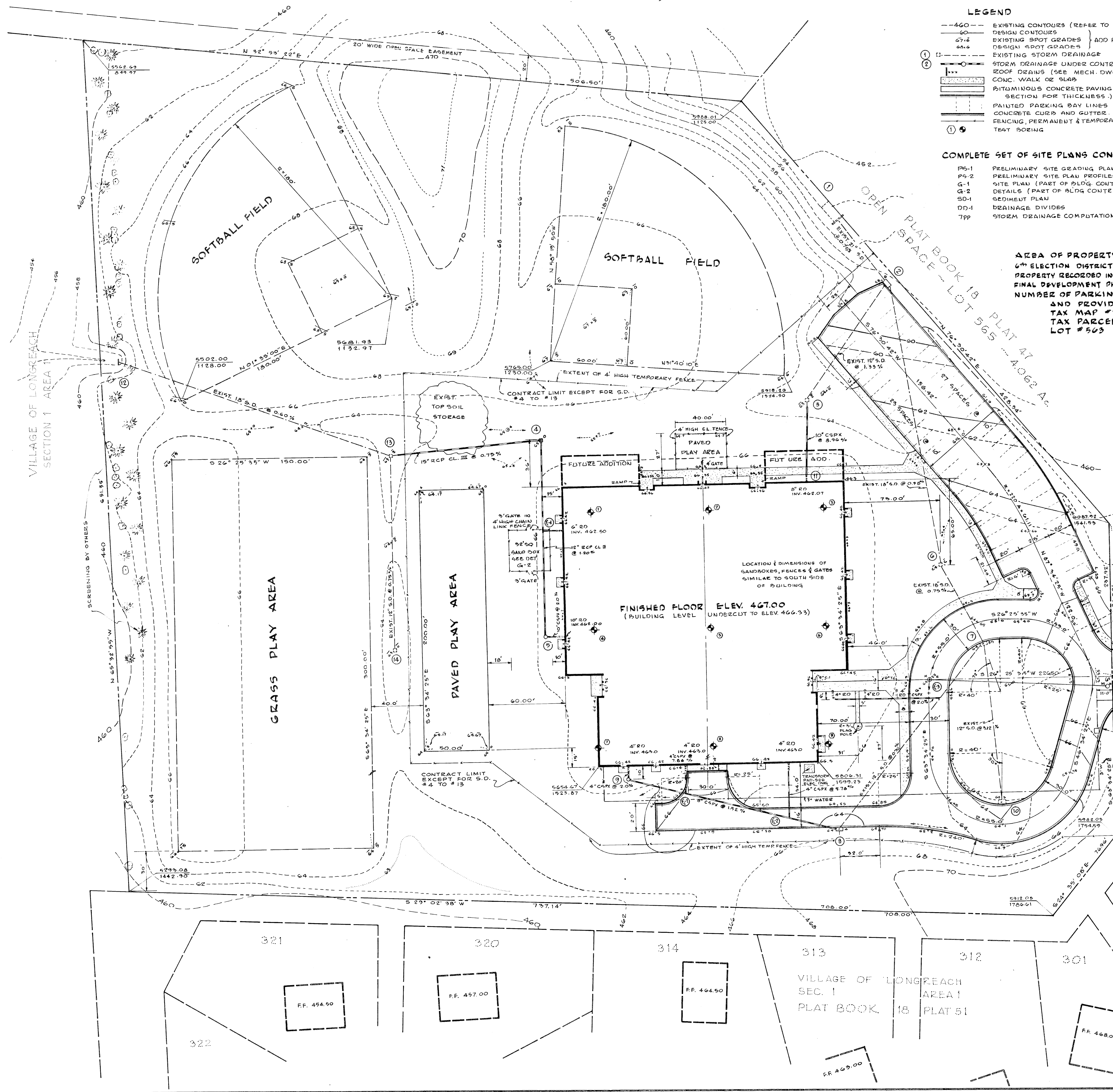
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT

REVIEWED _____ DATE _____ APPROVED _____ DATE _____
DIST. CONSERVATIONIST _____ HOWARD COUNTY SOIL CONSERVATION DISTRICT

I CERTIFY THAT THE PLAN OF DEVELOPMENT AND THE PLAN FOR CONTROL OF SILT AND EROSION MEETS THE REQUIREMENTS, STANDARDS AND SPECIFICATIONS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

John M. Murray
5 JULY 1971
P.L. ENGINEER, PROFESSIONAL ENGINEER #701 MD. DATE

OLDSTONE COURT
PLAT BOOK 18 PLAT 47



JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
1111 W. WASHINGTON ST.
COLUMBIA, MARYLAND 21046
TELEPHONE: 410-326-1111

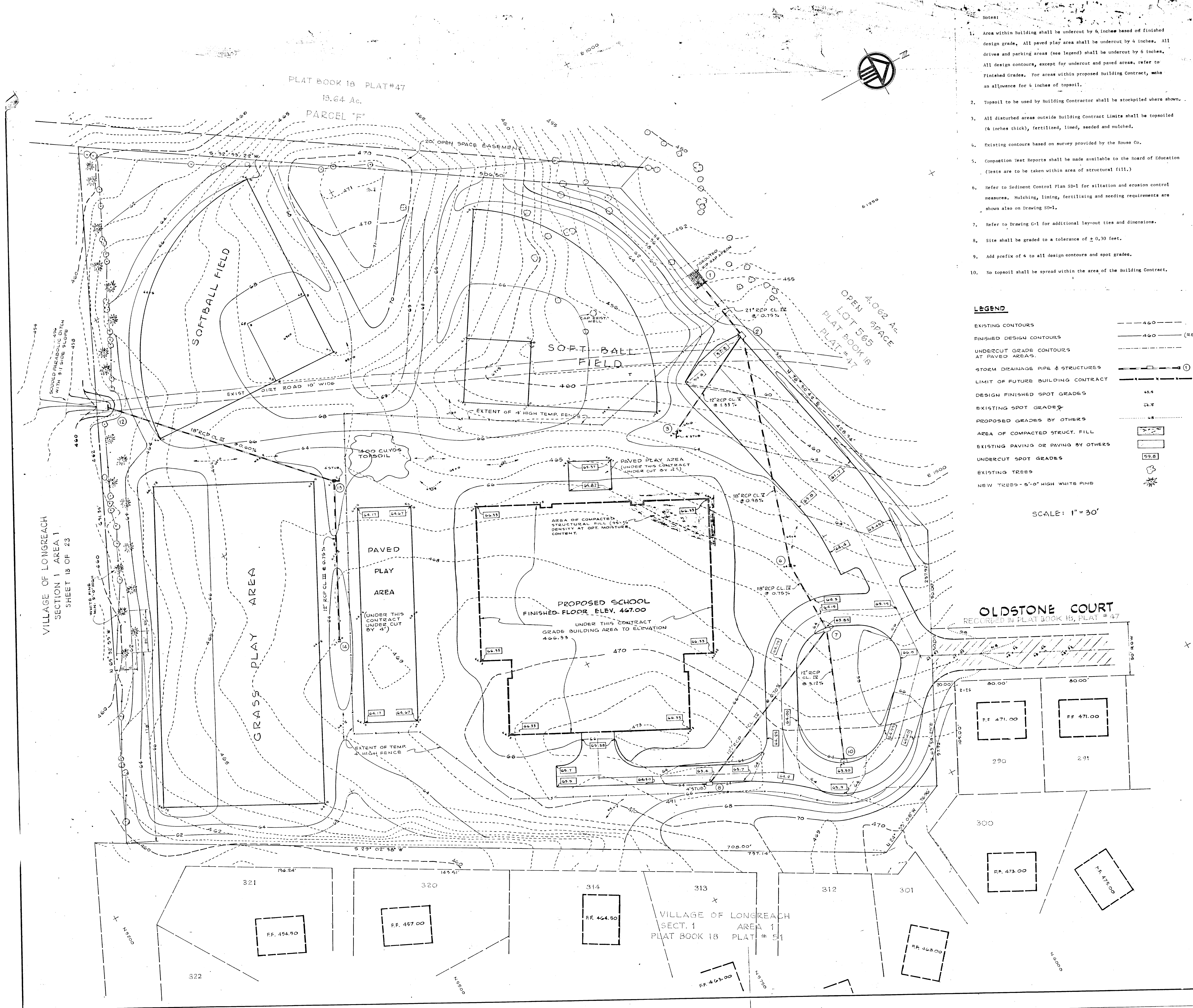
PHEPS LUCK ELEMENTARY SCHOOL
COLUMBIA, MARYLAND
FOR THE BOARD OF EDUCATION
HOWARD COUNTY, MARYLAND

SITE PLAN

SCALE: 1" = 30'

SHEET NO. 640

SDP-72-10



- Notes:
1. Area within Building shall be undercut by 6 inches based on finished design grade. All paved play area shall be undercut by 4 inches. All drives and parking areas (see legend) shall be undercut by 6 inches. All design contours, except for undercut and paved areas, refer to Finished Grades. For areas within proposed Building Contract, make an allowance for 4 inches of topsoil.
 2. Topsoil to be used by Building Contractor shall be stockpiled where shown.
 3. All disturbed areas outside Building Contract Limits shall be topsoiled (4 inches thick), fertilized, limed, seeded and mulched.
 4. Existing contours based on survey provided by the House Co.
 5. Completion Test Reports shall be made available to the Board of Education (tests are to be taken within area of structural fill.)
 6. Refer to Sediment Control Plan SD-1 for siltation and erosion control measures. Mulching, liming, fertilizing and seeding requirements are shown also on Drawing SD-1.
 7. Refer to Drawing G-1 for additional lay-out ties and dimensions.
 8. Site shall be graded to a tolerance of ± 0.30 feet.
 9. Add prefix of 4 to all design contours and spot grades.
 10. No topsoil shall be spread within the area of the Building Contract.

LEGEND

EXISTING CONTOURS	--- 460 ---
FINISHED DESIGN CONTOURS	— 460 — (REFER TO NOTE *1)
UNDERCUT GRADE CONTOURS AT PAVED AREAS	---
STORM DRAINAGE PIPE & STRUCTURES	— 12" RCP CL. IV ---
LIMIT OF FUTURE BUILDING CONTRACT	---
DESIGN FINISHED SPOT GRADES	41.4
EXISTING SPOT GRADES	41.7
PROPOSED GRADES BY OTHERS	---
AREA OF COMPACTED STRUCT. FILL	[Hatched Box]
EXISTING PAVING OR PAVING BY OTHERS	[Hatched Box]
UNDERCUT SPOT GRADES	59.8
EXISTING TREES	[Tree Symbol]
NEW TREES - 5'-0" HIGH WHITE PINE	[Tree Symbol]

SCALE: 1" = 30'

VILLAGE OF LONGREACH
SECTION 1 AREA 1
SHEET 18 OF 23

SEBY GRADES PLAY AREA & S.D. IN GRASS TO BALANCE CUT & FILL AUGUST 15, 1977.
SEBY GRADING OF SOUTH SOFTBALL FIELD IN GRASS TO BRIDGE SLOPES JULY AUGUST 1977.

JOHANNIS BREARY & ASSOCIATES
INCORPORATED
1000 W. WASHINGTON ST.
ANNAPOLIS, MD. 21403
PHEIP'S LUCK ELEMENTARY SCHOOL
COLUMBIA COUNTY, MARYLAND
DEPARTMENT OF EDUCATION
ANNAPOLIS, MARYLAND
APPROVED: [Signature]
DATE: JULY 23, 1977

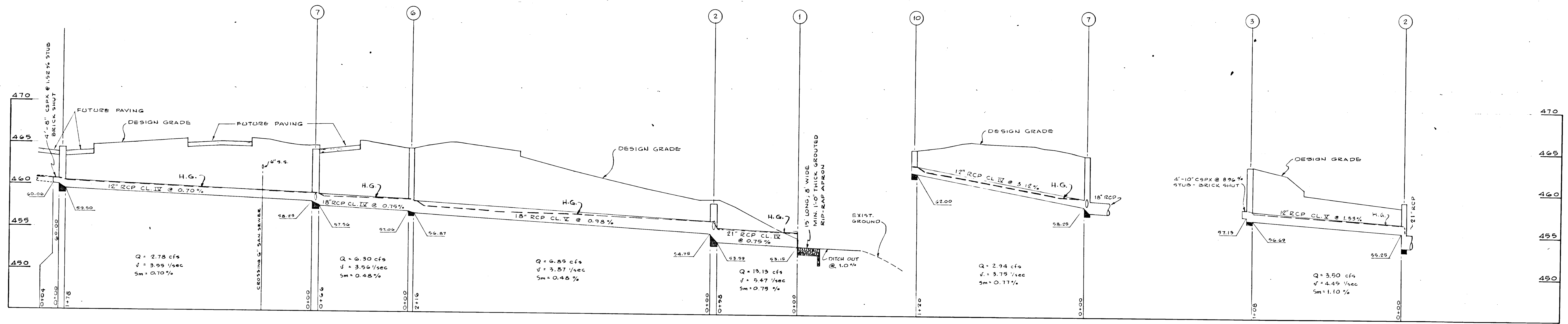
PHEIP'S LUCK ELEMENTARY SCHOOL
COLUMBIA COUNTY, MARYLAND
DEPARTMENT OF EDUCATION
ANNAPOLIS, MARYLAND

APPROVAL: [Signature]
DATE: []

PRELIMINARY SITE GRADING PLAN

JOB No. **640**
SHEET No. **06-1**
1 of 2

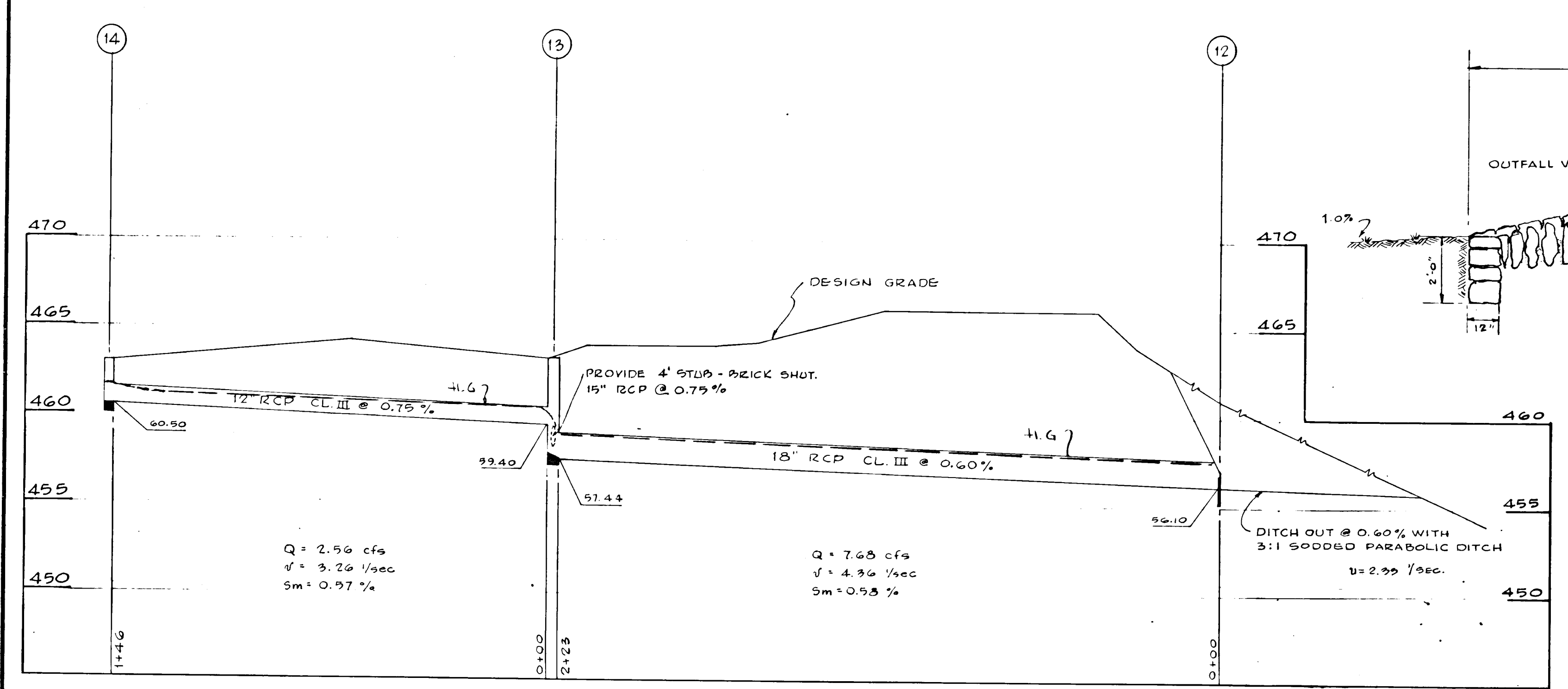
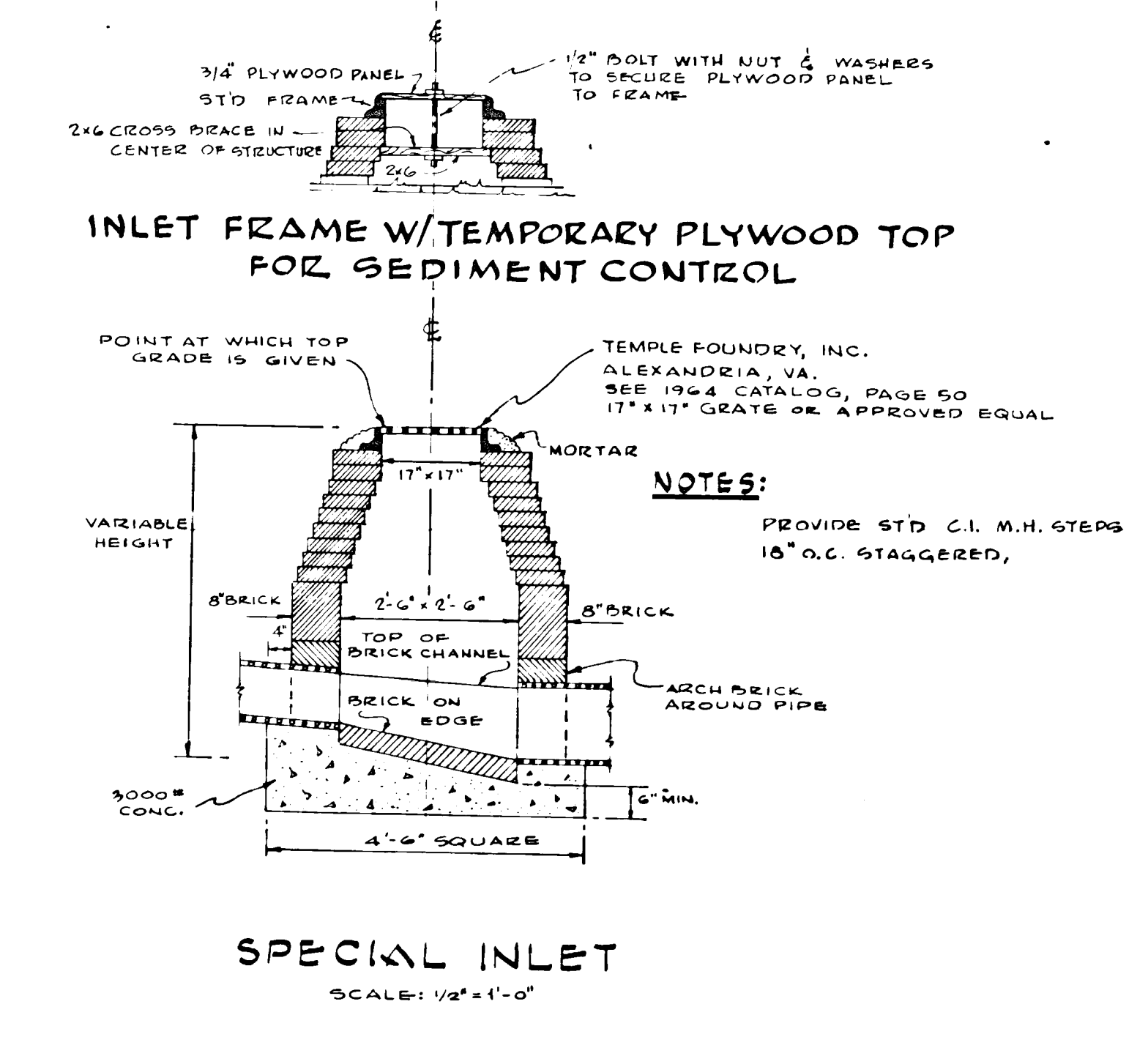
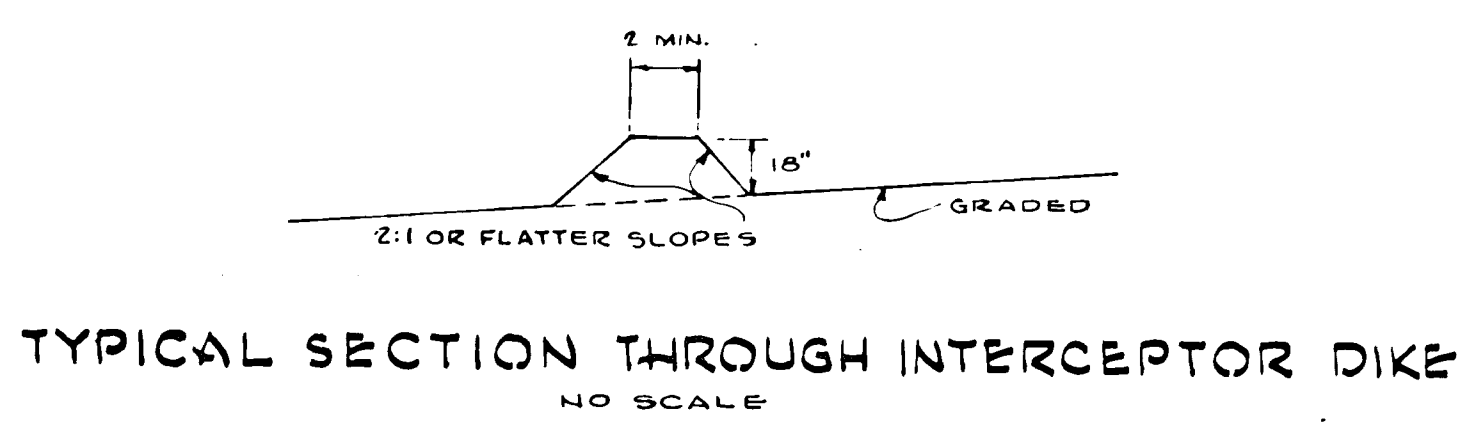
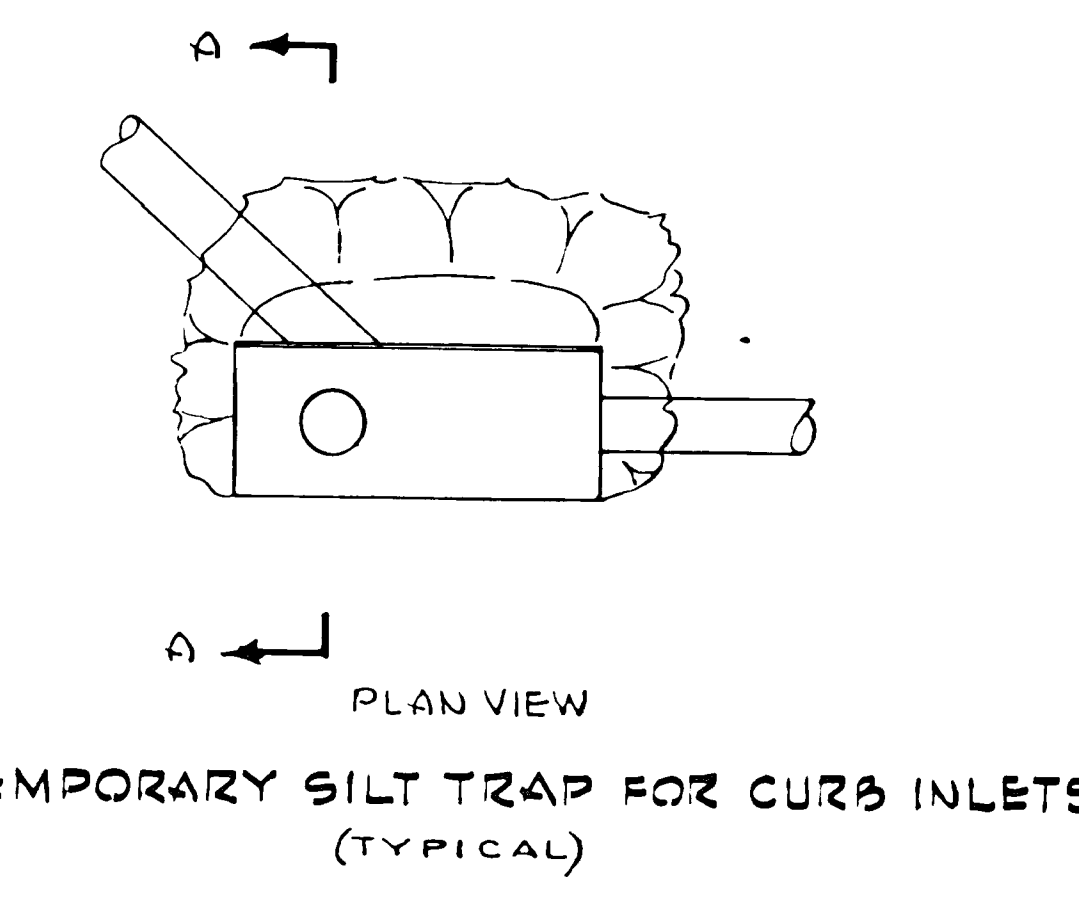
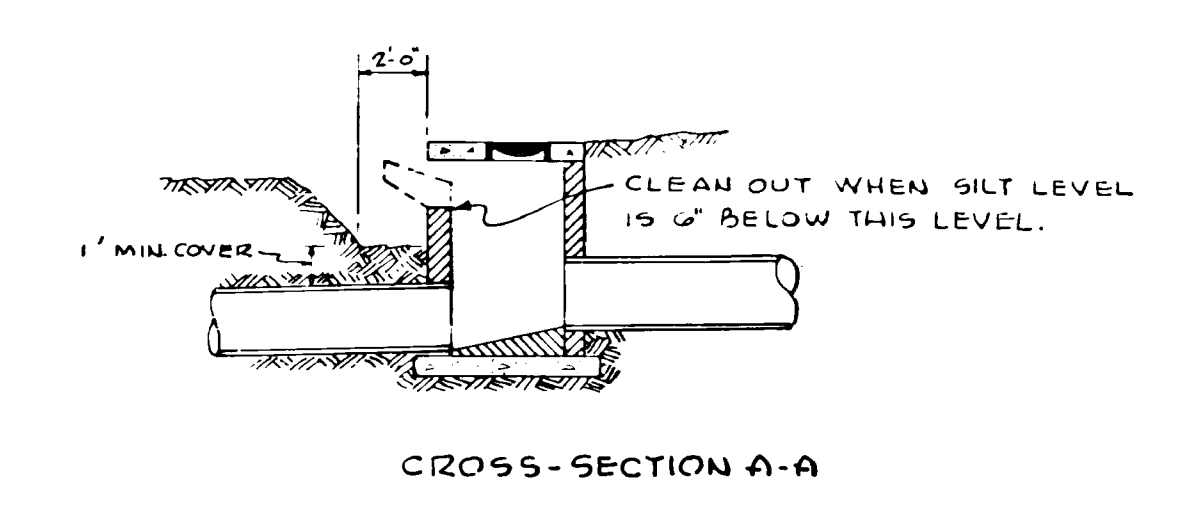
VILLAGE OF LONGREACH
SECT. 1 AREA 1
PLAT BOOK 18 PLAT # 51



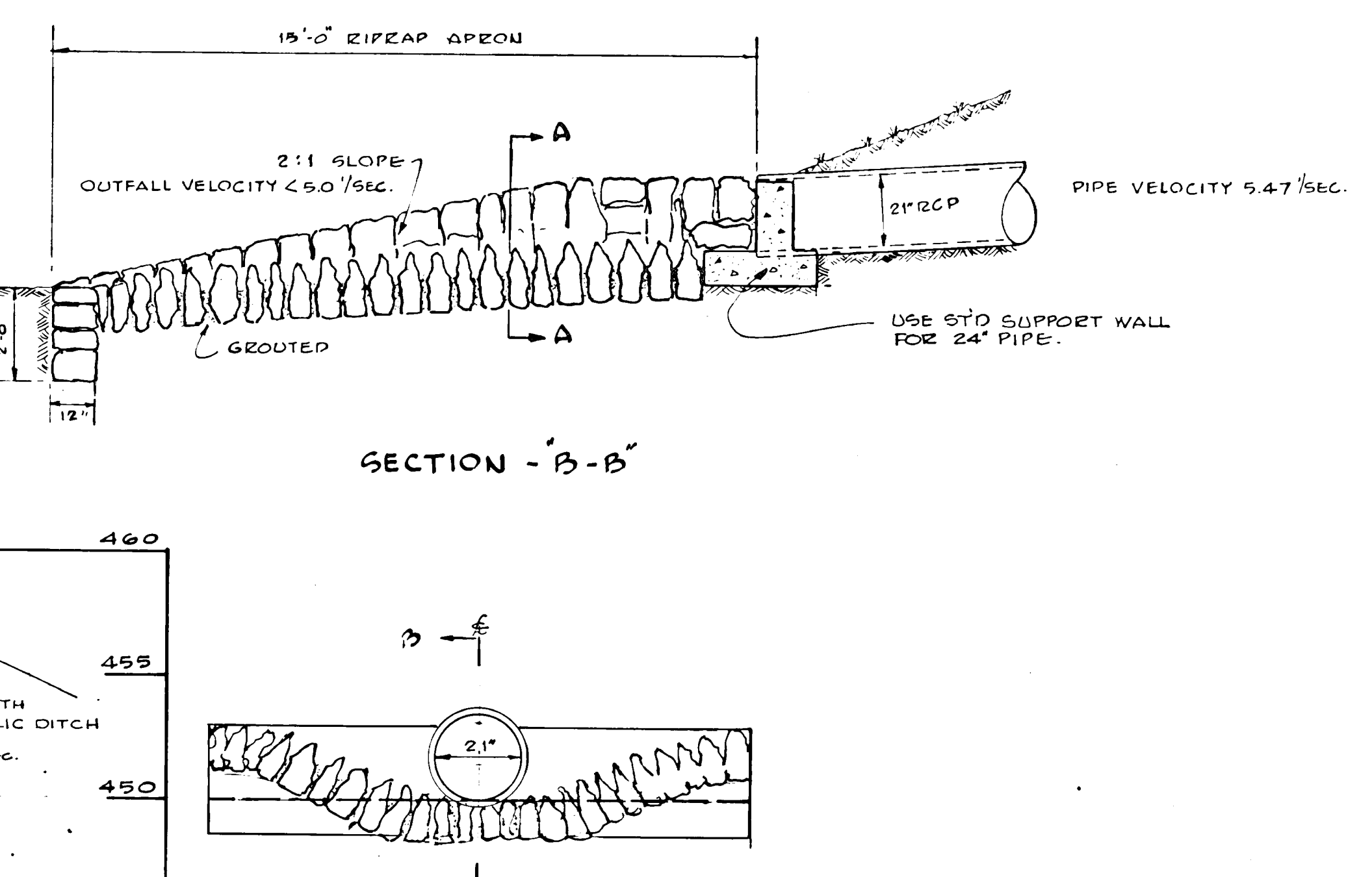
STRUCTURE TABLE

No.	TYPE	ELEV.	REMARKS
1	END SUPPORT WALL	—	HOWARD CTY. DETAIL, D-12
2	A-9 CURB INLET	458.00	STD. HOWARD CTY. DETAIL, G4-A
3	SPECIAL INLET	453.70	SEE DETAIL THIS SHEET
4	SPECIAL INLET	469.00	N.I.C.
5	MANHOLE	468.10	N.I.C.
6	SPECIAL INLET	464.60	SEE DETAIL THIS SHEET
7	A-9 CURB INLET	464.85	STD. HOWARD CTY. DETAIL, G4-A *
8	A-9 CURB INLET	464.40	STD. HOWARD CTY. DETAIL, G4-A *
9	MANHOLE	468.00	N.I.C.
10	A-9 CURB INLET	464.90	STD. HOWARD CTY. DETAIL, G4-A *
11	CONNECTION TO ROOF DRAIN	—	N.I.C.
12	END SUPPORT WALL	—	HOWARD CTY. DETAIL, D-12
13	SPECIAL INLET	459.20	SEE DETAIL THIS SHEET *
14	SPECIAL INLET	459.00	SEE DETAIL THIS SHEET

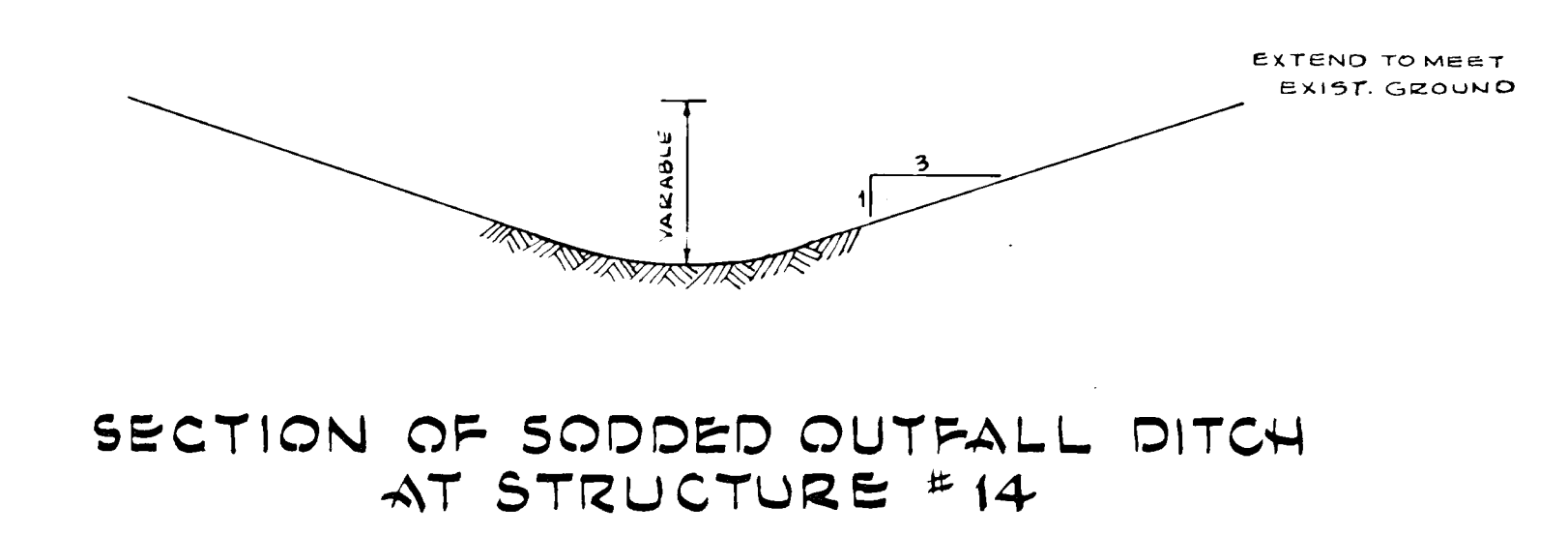
* MODIFY STD. A-9 INLET SLAB TO FIT CURB RADIUS SHOWN ON SITE PLAN.
 ** USE 24" x 24" GRATE - TEMPLE FOUNDRY CATALOG, PAGE 56
 1" RISE, 3/4" OPENING OR APPROVED EQUAL.



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



ELEVATION & SECTION A-A
 CONCRETE SUPPORT WALL & RIPIRAP APRON
 SCALE: 3/8" = 1'-0"



REVISIONS: (BY) (DATE) (REASON)

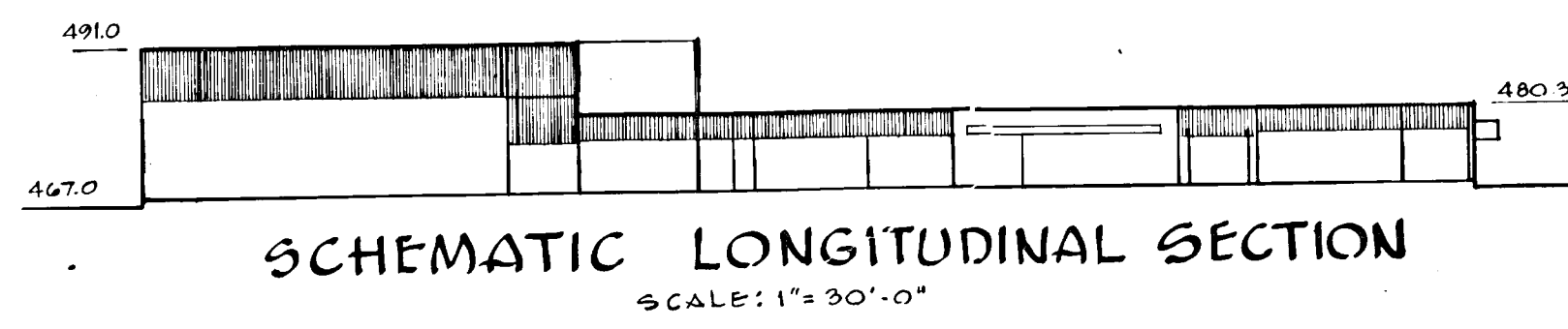
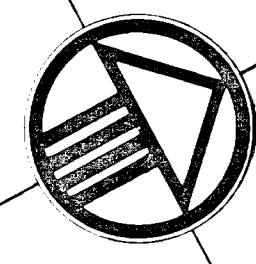
TEMPLE FOUNDRY, INC.
 ALEXANDRIA, VA.
 RES. #174 CATALOG, PAGE 50
 17" x 17" GRATES OR APPROVED EQUAL

HOWARD COUNTY BOARD OF SUPERVISORS
 SUPERVISOR OF SCHOOLS

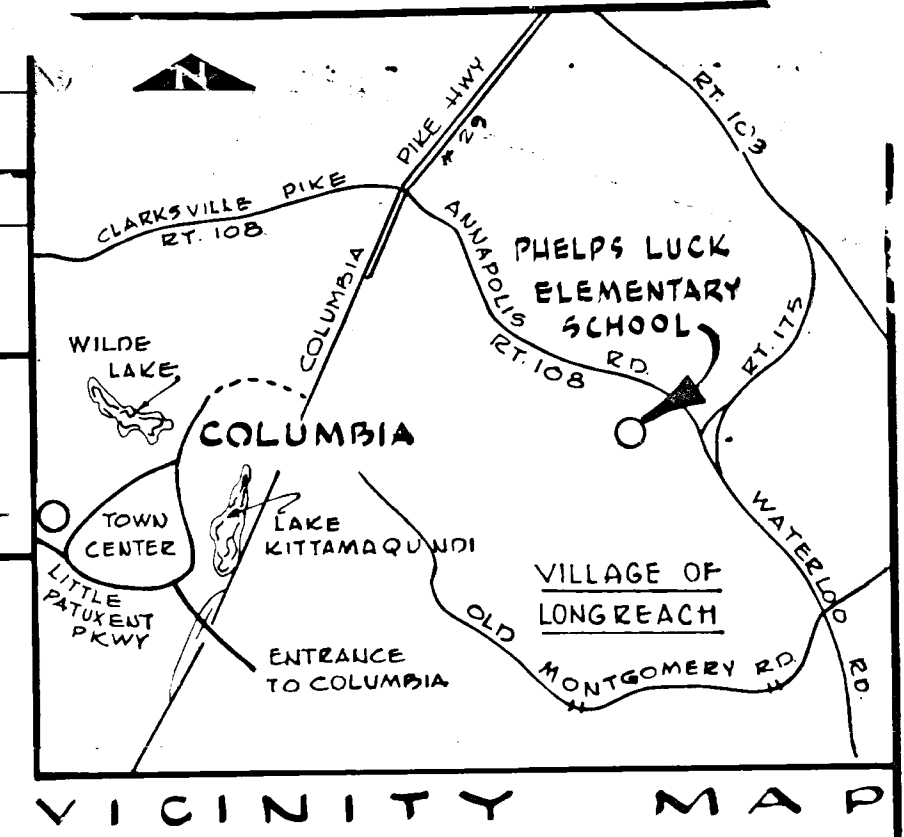
PHILIP'S LUCK ELEMENTARY SCHOOL

JOB NO. 640
 SHEET NO. PS-2
 2 OF 2

PLAT BOOK 18 PLAT 47
PARCEL "F" 13.64 Ac.



APPROVED: FOR PLANNING AND ZONING
COUNTY HEALTH OFFICER
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR
DATE
CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT
DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR
DATE
CHIEF, BUREAU OF HIGHWAYS, DATE

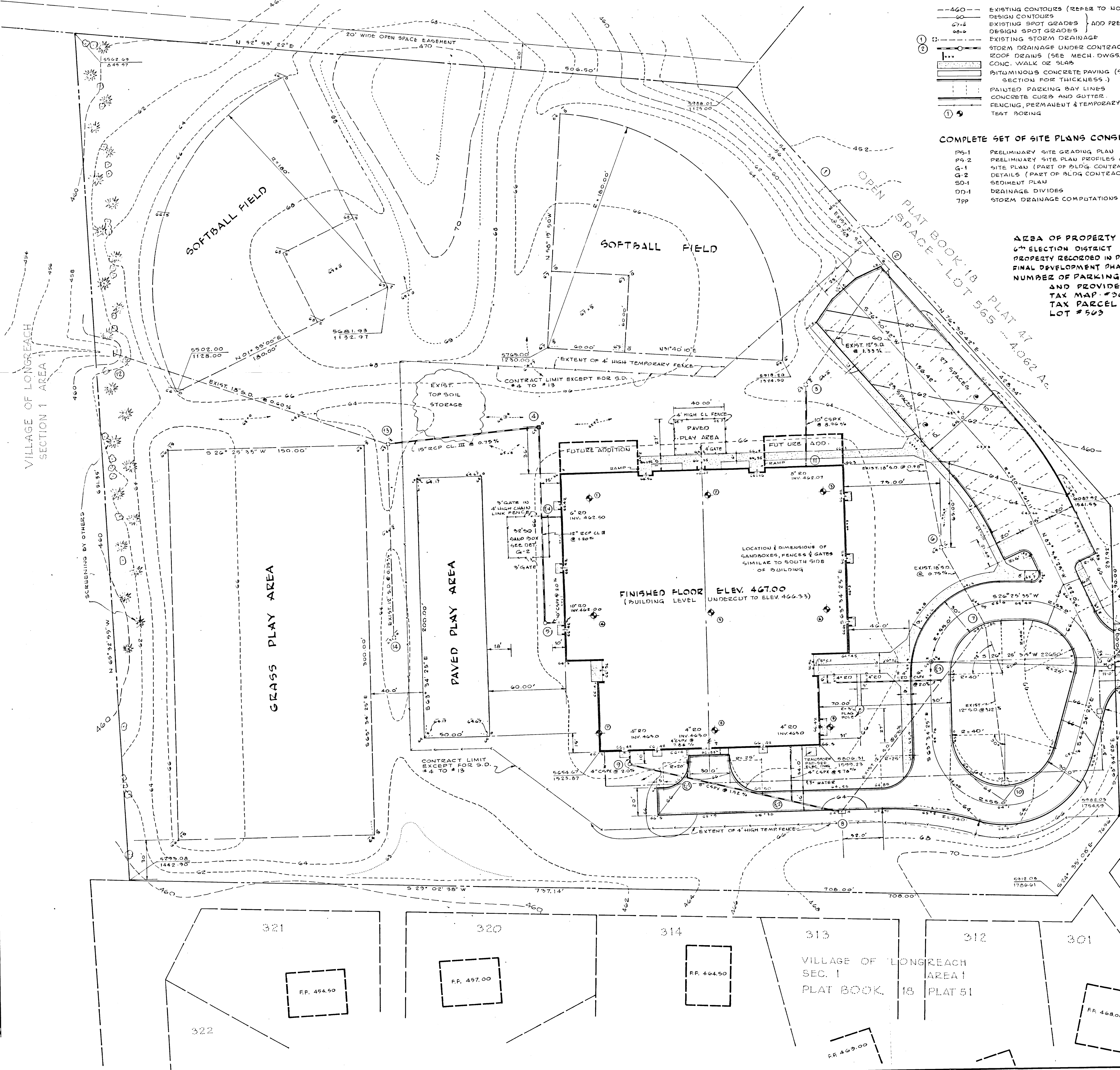


- LEGEND**
- 460--- EXISTING CONTOURS (REFER TO NOTE #1)
 - 60--- DESIGN CONTOURS
 - 67.4--- EXISTING SPOT GRADES (ADD PREFIX OF 4)
 - 60.2--- DESIGN SPOT GRADES
 - 60.2--- EXISTING STORM DRAINAGE
 - 60.2--- STORM DRAINAGE UNDER CONTRACT
 - 60.2--- ROOF DRAINS (SEE MECH. DWGS.)
 - 60.2--- CONC. WALK OR SLAB
 - 60.2--- BITUMINOUS CONCRETE PAVING (SEE SECTION FOR THICKNESS)
 - 60.2--- PAINTED PARKING BAY LINES
 - 60.2--- CONCRETE CURB AND GUTTER
 - 60.2--- FENCING, PERMANENT & TEMPORARY
 - 60.2--- TEST PILING

- COMPLETE SET OF SITE PLANS CONSISTS OF:**
- PS-1 PRELIMINARY SITE GRADING PLAN
 - PS-2 PRELIMINARY SITE PLAN PROFILES & DETAILS
 - SI-1 SITE PLAN (PART OF BLDG. CONTRACT)
 - SI-2 DETAILS (PART OF BLDG. CONTRACT)
 - SD-1 SEDIMENT PLAN
 - DD-1 DRAINAGE DIVIDES
 - 7pp STORM DRAINAGE COMPUTATIONS

AREA OF PROPERTY 10.00 AC.
6TH ELECTION DISTRICT
PROPERTY RECORDED IN PLAT BOOK 18, FOLIO 47
FINAL DEVELOPMENT PHASE 77, P.B. 17, FOLIO 50-72
NUMBER OF PARKING SPACES REQUIRED AND PROVIDED: 50
TAX MAP # 730
TAX PARCEL 289
LOT # 503

- NOTES**
1. Site within Contract Limits has been pre-graded (See Specs.) by others. Building area has been under cut by 8 inches, paved play areas by 4 inches and the paved drives and parking areas by 6 inches. Existing contours shown within limits of this Contract at all unpaved areas indicate the final grade allowing for 4 inches of top soil which has to be spread by this Contractor. Expected tolerance of the existing grading is $\pm 0.30'$.
 2. 1000 Cbds. of topsoil has been stockpiled for this contractor's use.
 3. All unpaved areas within limits of this contract are to be topsoiled, limed, fertilized and sodded.
 4. Pitch gutter away from curb where required by drainage pattern.
 5. Refer to Architectural Drawings for additional building layout dimensions.
 6. For Water, Sanitary Sewer, Gas and Electric Service, refer to Mechanical and Electrical Plans.
 7. Material and workmanship for grading, storm drainage and paving work is to meet the requirements of the Road Construction Code and Standard Specifications for Howard County.
 8. All concrete walks to be 6 inches thick.



I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN OF SILT AND SEDIMENT CONTROL.

REVIEWED: _____ DATE: _____ BOARD OF EDUCATION, HOWARD COUNTY, MARYLAND DATE: _____

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

REVIEWED: _____ DATE: _____ APPROVED: _____ DATE: _____
DIST. CONSERVATIONIST HOWARD COUNTY SOIL CONSERVATION DISTRICT

I CERTIFY THAT THE PLAN OF DEVELOPMENT AND THE PLAN FOR CONTROL OF SILT AND EROSION MEETS THE REQUIREMENTS, STANDARDS AND SPECIFICATIONS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

J. Thomas
6 JULY 1971
REGISTERED PROFESSIONAL ENGINEER #701 MD. DATE

OLDSTONE COURT
PLAT BOOK 18
PLAT 47

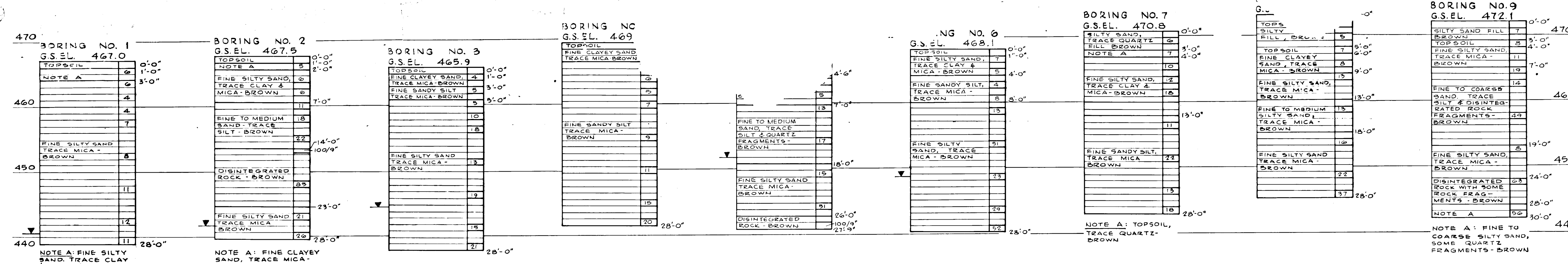
JOHANNES & MURPHY & ASSOCIATES
ARCHITECTS
1400 WASHINGTON BLVD.
COLUMBIA, MARYLAND 21046
TEL. 410-730-1111

PHILIP'S LUCK ELEMENTARY SCHOOL
MARYLAND
COLUMBIA
DISTRICT OF EDUCATION
DEPARTMENT OF EDUCATION
SCHOOL OF EDUCATION
SCHOOL OF EDUCATION

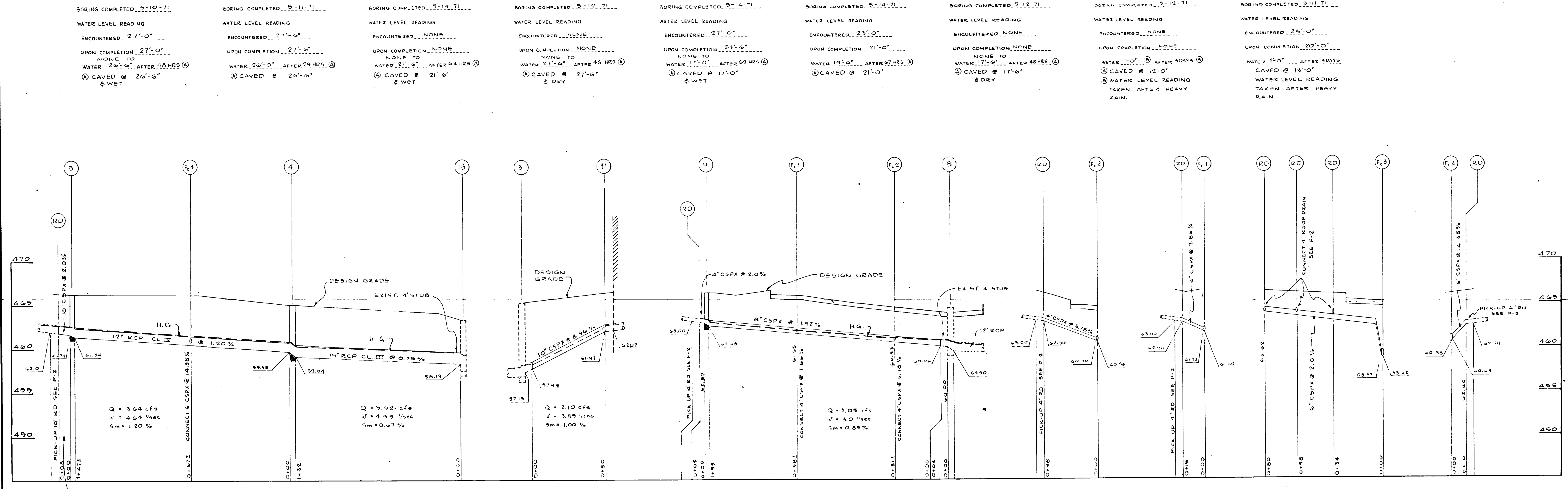
SITE PLAN

JOB NO. 640
SHEET NO. Q-1
SCALE: 1"=30'

SDP-72-10



- GENERAL TEST BORING NOTES**
- Number in right hand column of boring log indicates blows required to drive 2 in. O.D., 1 3/8 in. I.D. sampling spoon one foot using a 140 pound hammer falling 30 inches.
 - Classification of soil is by visual inspection and is in accordance with the Unified Soil Classification System.
 - Groundwater levels indicated by * are only estimates based upon water level observations taken during boring operations. It should be noted that the levels recorded may vary seasonally, with drilling method used, precipitation, porosity of the soil, tide, pumping, site topography, and other factors.
 - Refusal at the surface of rock, boulder, or obstruction is defined as a penetration resistance of 100 blows for 2 inches penetration or less.
 - Borings made by mechanical auger without the use of drilling water.
 - Drilling foreman: J. Hammond.
 - C.S. EL. = Ground Surface Elevation.
- * Test borings were made by INNOVATION TEST SERVICE, INC., 4809 Cordell Avenue, Bethesda, Maryland, Phone 301-652-8430.

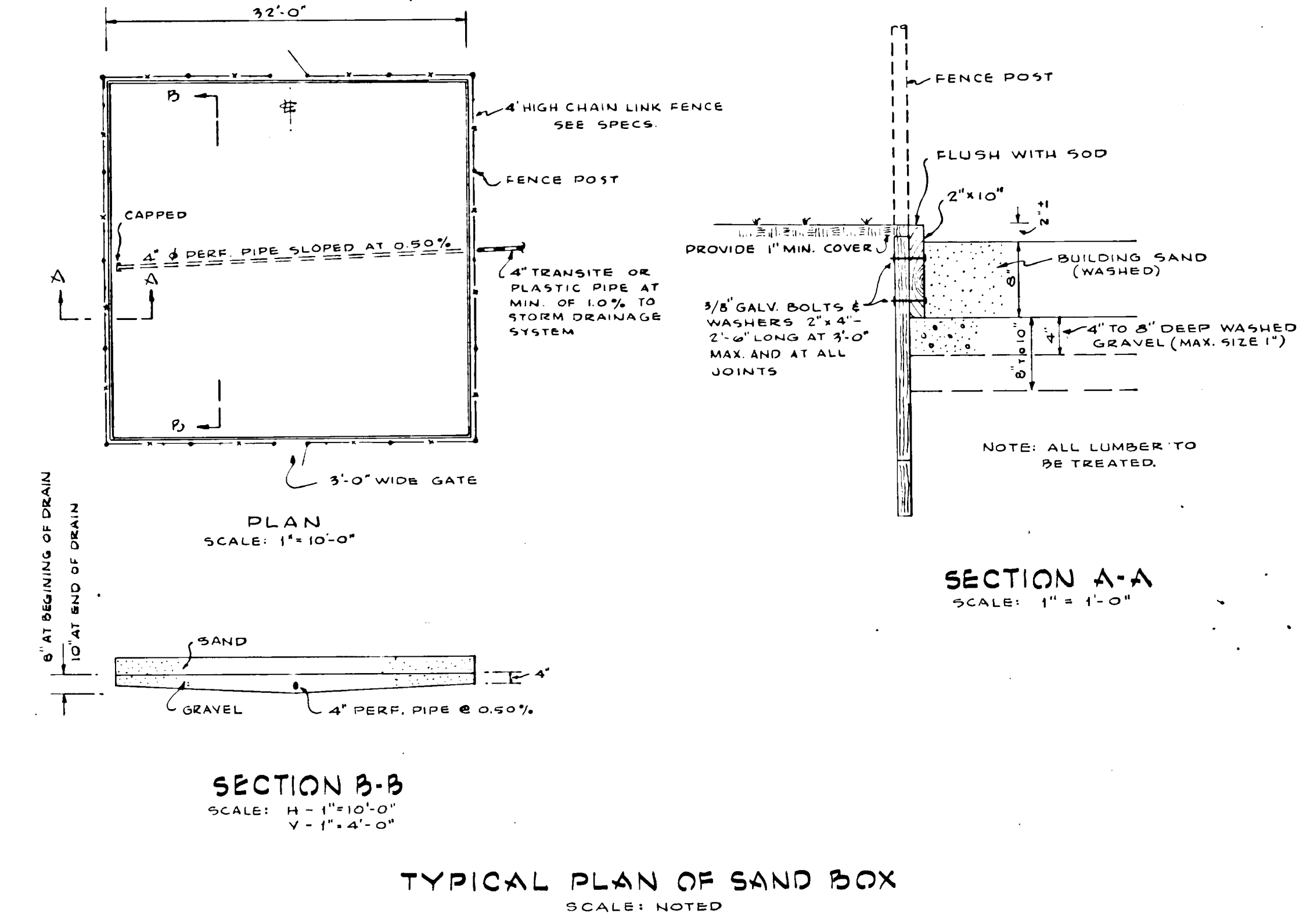
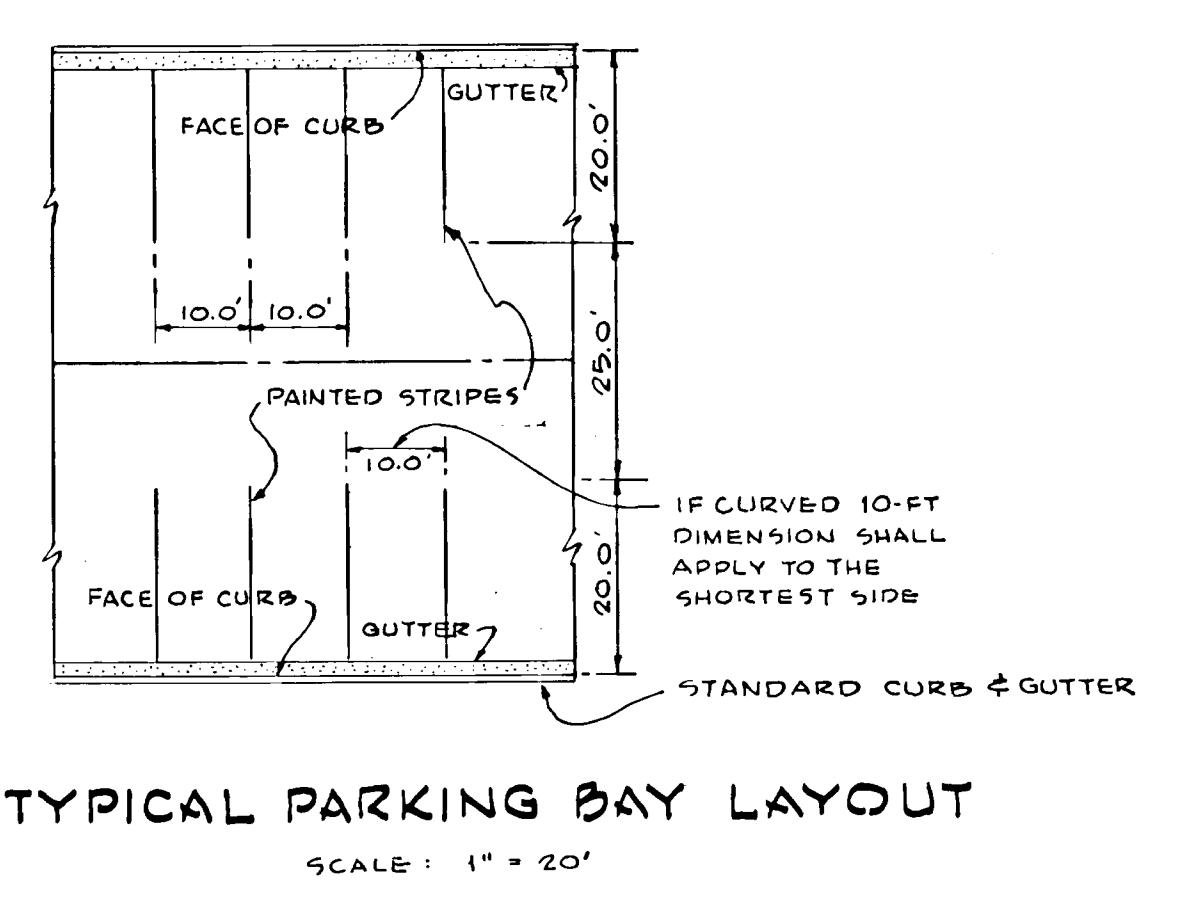
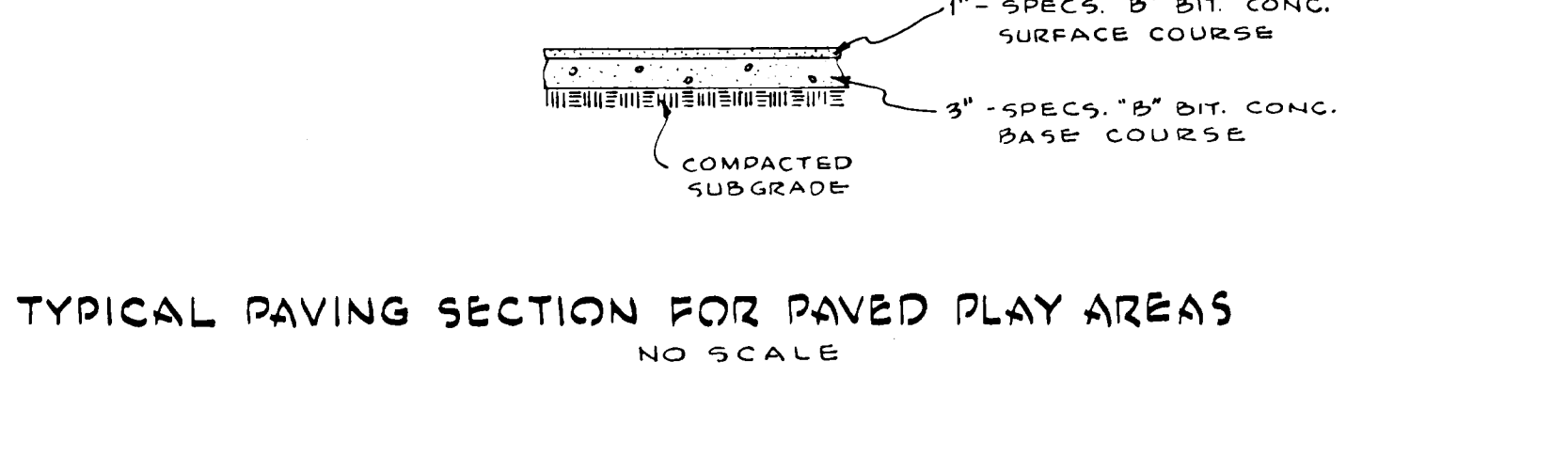
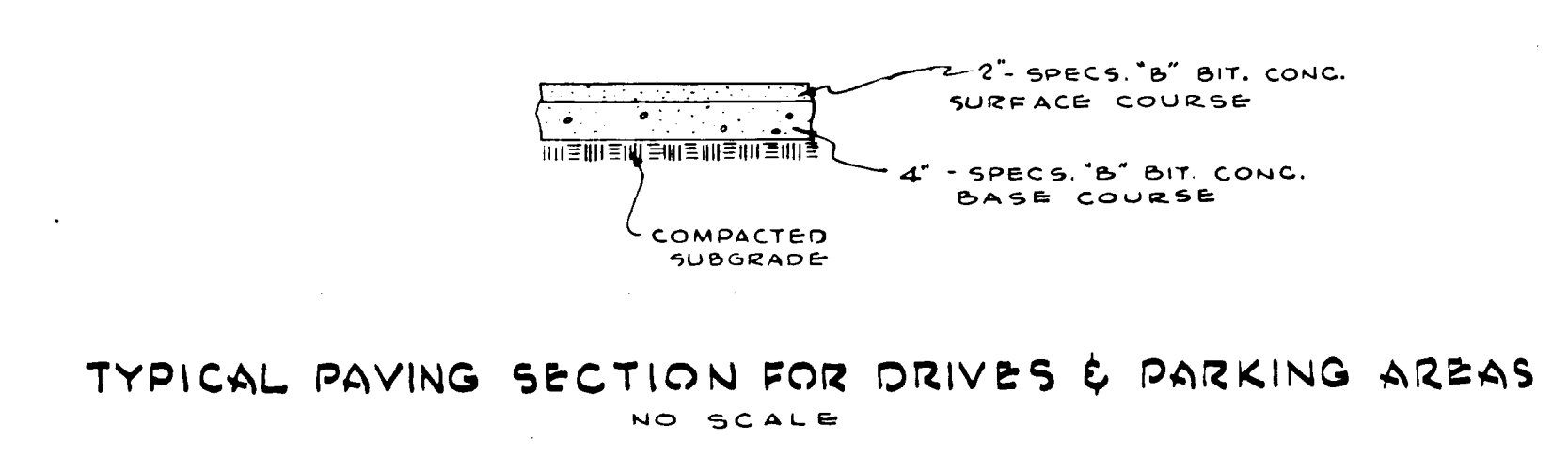
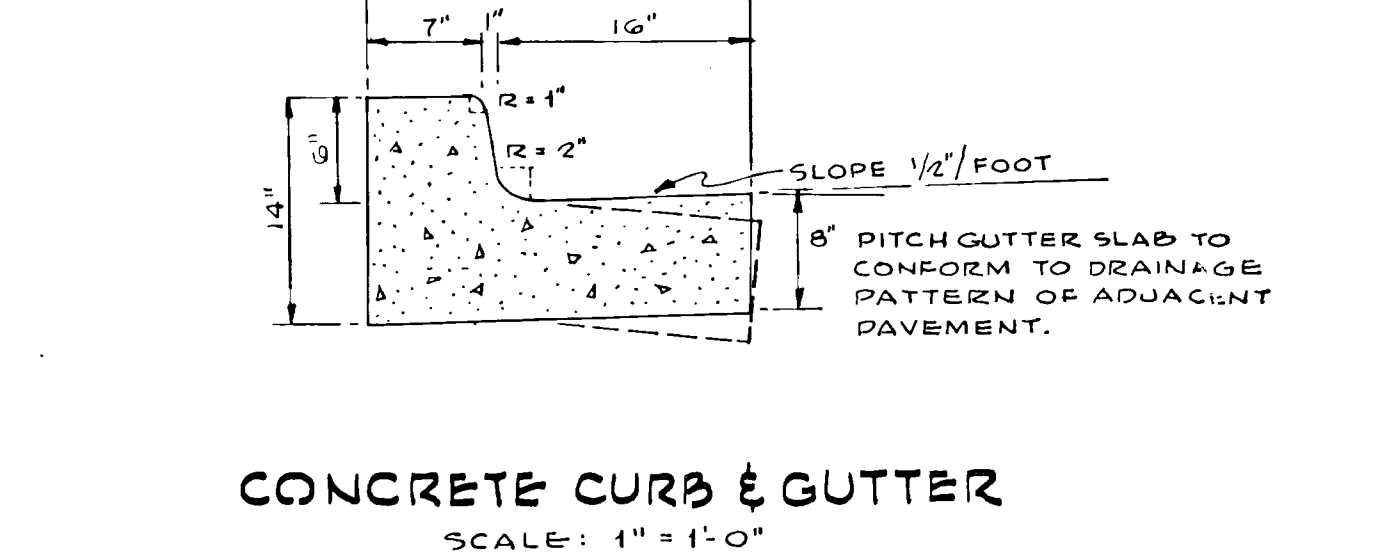


STORM DRAIN PROFILES
SCALE: HORIZ. 1"=30', VERT. 1"=5'

STRUCTURE TABLE

No.	TYPE	ELEV.	REMARKS
1	END SUPPORT WALL	—	EXIST.
2	A-9 CURB INLET	458.80	EXIST-REMOVE SEDIMENT FEATURE
3	SPECIAL INLET	452.90	EXIST-REMOVE SEDIMENT FEATURE INSTALL GRATE
4	SPECIAL INLET	459.00	AS DETAIL
5	MANHOLE	458.10	STD. HOWARD CITY DETAIL, D-10-9
6	SPECIAL INLET	454.80	EXIST-REMOVE SEDIMENT FEATURE INSTALL GRATE
7	A-9 CURB INLET	454.85	EXIST-REMOVE SEDIMENT FEATURE
8	A-9 CURB INLET	454.40	EXIST-REMOVE SEDIMENT FEATURE
9	MANHOLE	458.20	STD. HOWARD CITY DETAIL, D-10-8
10	A-9 CURB INLET	459.30	EXIST-REMOVE SEDIMENT FEATURE
11	CONNECTION TO ROOF DRAIN	—	—
12	END SUPPORT WALL	—	EXIST.
13	SPECIAL INLET	453.20	EXIST.
14	SPECIAL INLET	453.00	EXIST.

* FURNISHED BY OTHERS
ALL EXPOSED PORTIONS OF GRATES, FRAMES AND CHAMBERS OF ALL DRAINAGE STRUCTURES TO RECEIVE 2 COATS OF AN APPROVED PAINT.



JOHANNES & MURRAY & ASSOCIATES
REGISTERED PROFESSIONAL ENGINEERS
1000 W. WASHINGTON ST. SUITE 200
BETHESDA, MARYLAND 20814
PHONE 301-461-1111

PHILIP'S LUCK ELEMENTARY SCHOOL
MONTGOMERY COUNTY, MARYLAND
DEPARTMENT OF EDUCATION
100 W. THOMAS CIRCLE
BETHESDA, MARYLAND 20814

DATE: 06/10/11 REV: 0.0
JOB NO: 640
SHEET NO: G-2