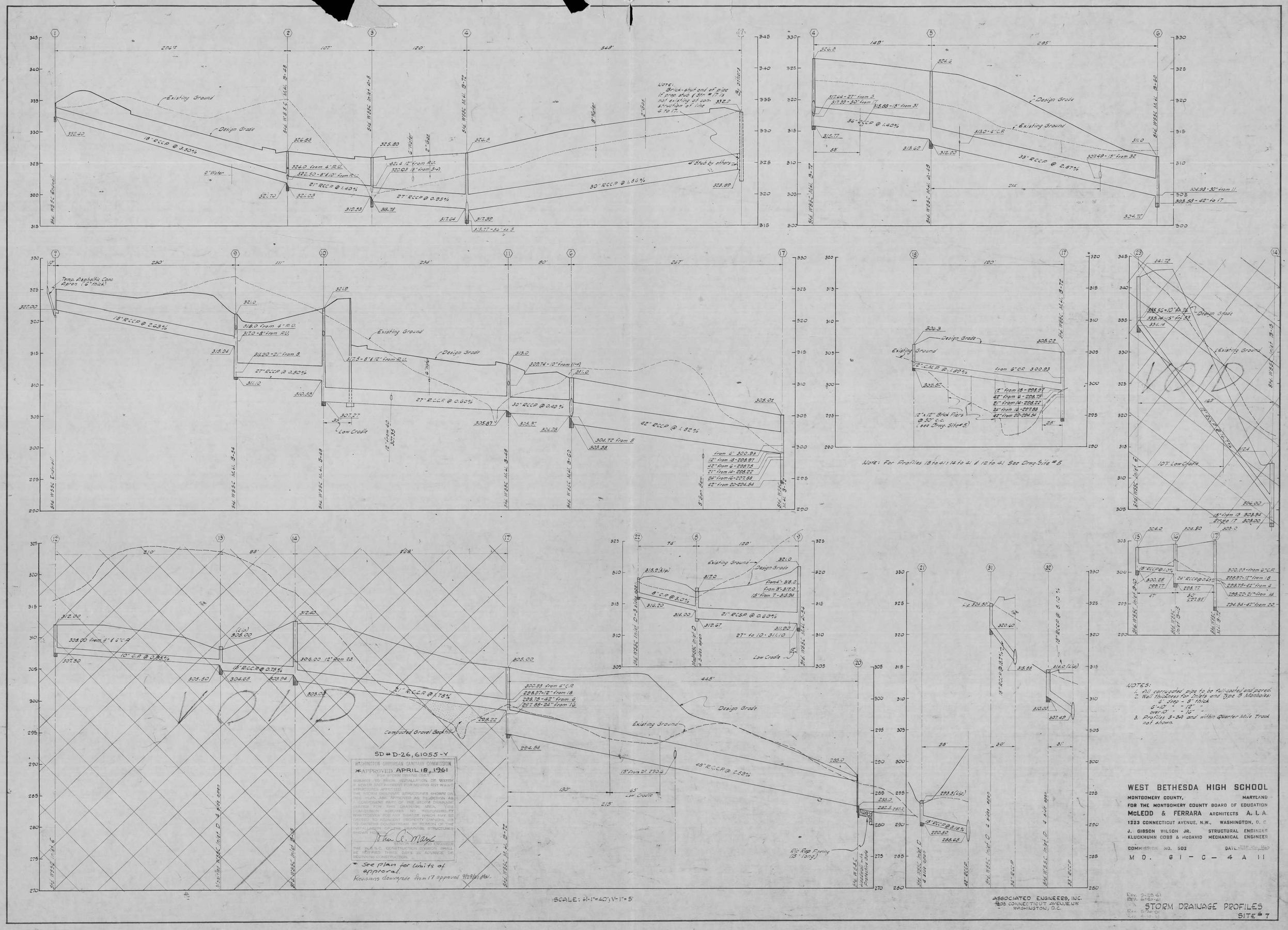
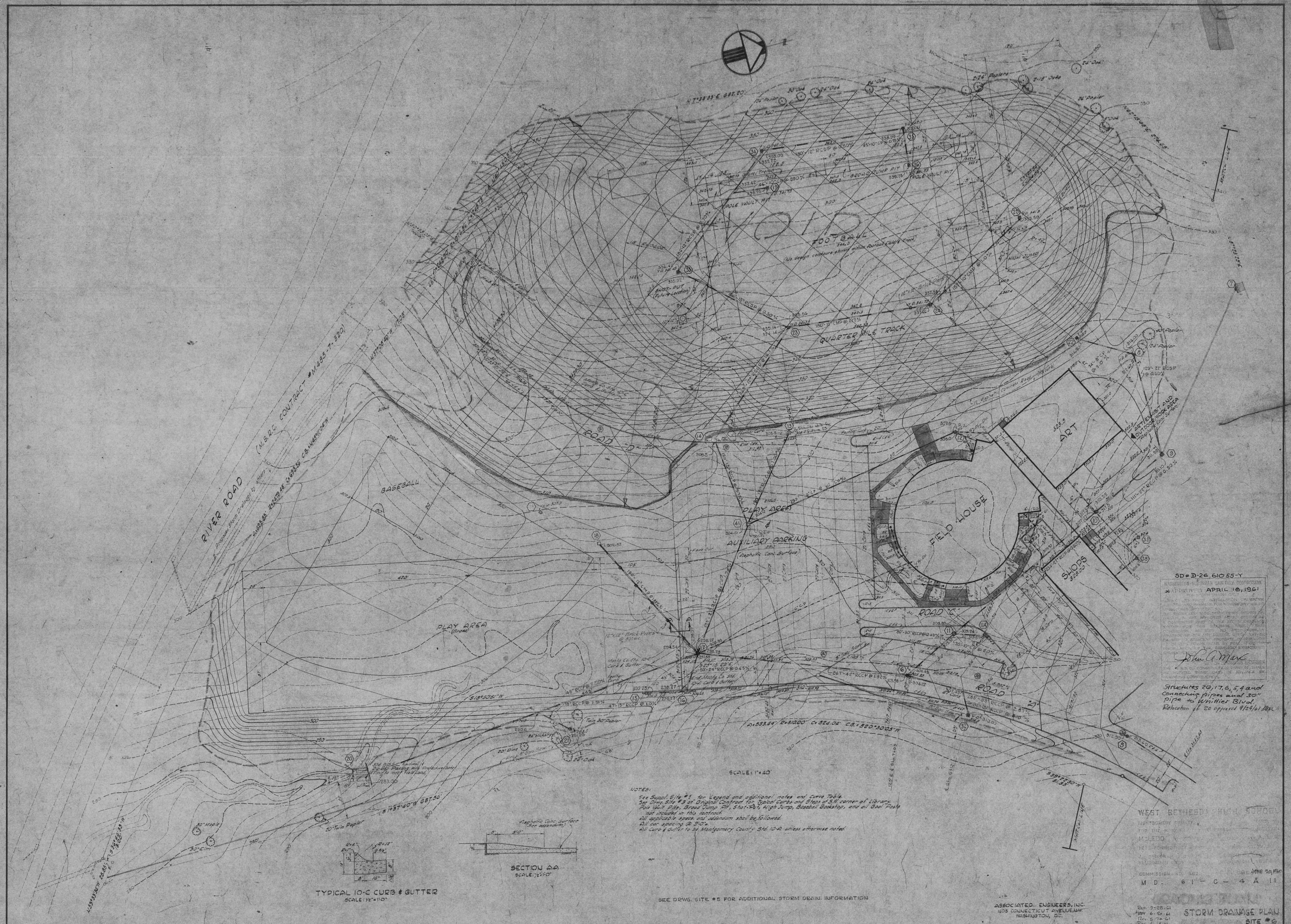


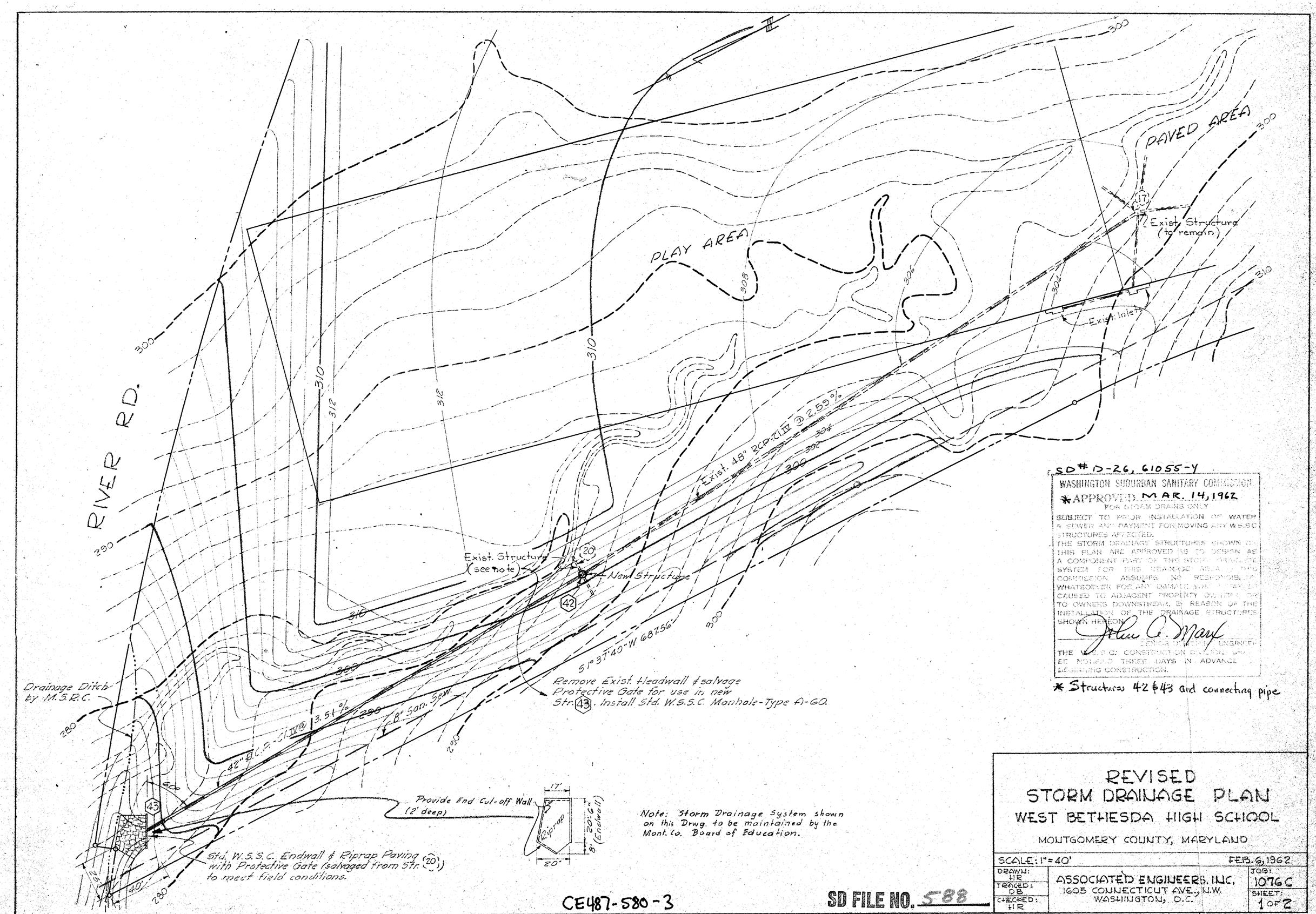
CE487-580-1

SD FILE NO. 588



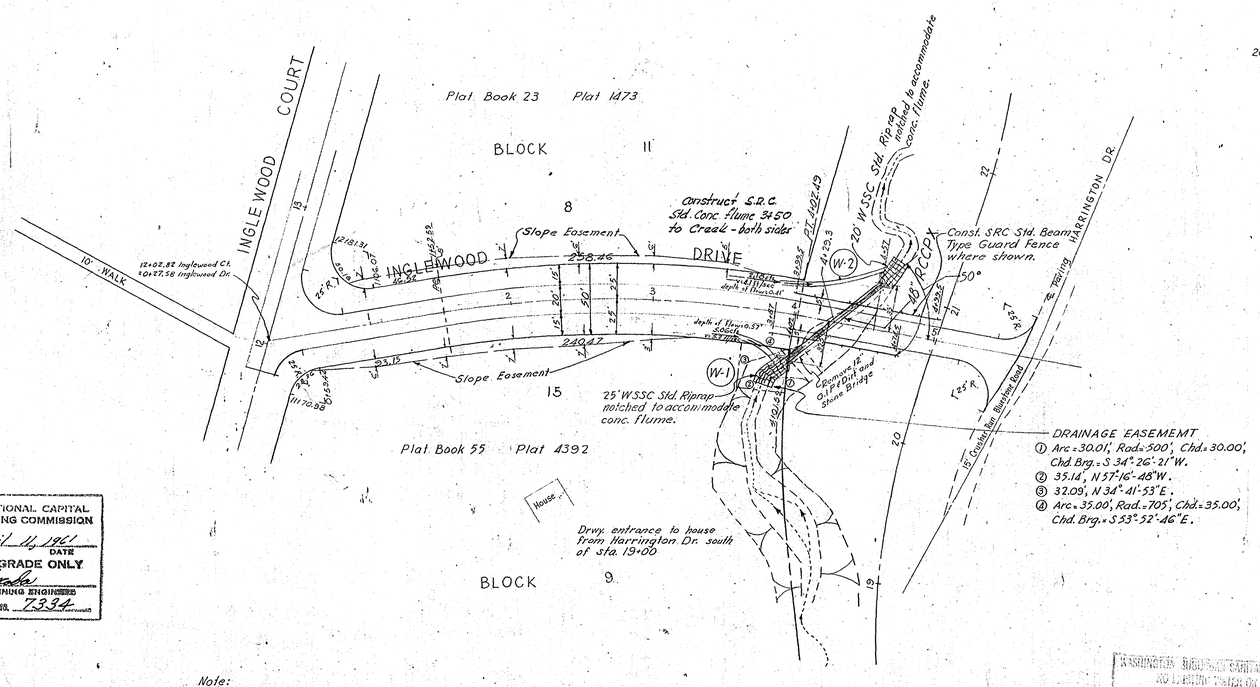
RIVER ROAD
(M.S.R.C. CONTRACT #M485-7-320)
BASEBALL
PLAY AREA
(Grass)
PLAY AREA
AUXILIARY PARKING
(Asphaltic Conc. Surface)
ROAD "D"
ROAD "C"
ROAD "A"
FOOTBALL
(No design contours shown within Football Field & Track)
QUARTER MILE TRACK
POLE VAULT PIT
BROAD JUMP PIT
HIGH JUMP
SHOT-PUT
(Future Location)
FIELD HOUSE
ART
SHOPS
SCALE: 1"=40'
NOTES:
See Suppl. Site #1 for Legend and additional notes and Curve Table.
See Drwg. Site #3 of Original Contract for Typical Curbs and Steps at S.W. corner of Library.
Pole Vault Pits, Broad Jump Pit, Shot-Put, High Jump, Baseball Backstop, and all Goal Posts not included in this contract.
All applicable specs. and addendum shall be followed.
All car spacing @ 9'0"±.
All Curb & Gutter to be Montgomery County Std. 10-A unless otherwise noted.
TYPICAL 10-C CURB & GUTTER
SCALE: 1/2"=1'0"
SECTION AA
SCALE: 1/2"=1'0"
Asphaltic Conc. Surface (See addendum)
SEE DRWG. SITE #5 FOR ADDITIONAL STORM DRAIN. INFORMATION
ASSOCIATED ENGINEERS, INC.
1605 CONNECTICUT AVENUE, N.W.
WASHINGTON, D.C.
SD # D-26, 61055-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED APRIL 18, 1961
Structures 20, 17, 6, 5, 4 and connecting pipes and 30" pipe to Whittier Blvd.
Relocation of 20 approved 9/29/61
WEST BETHESDA HIGH SCHOOL
COMMISSION NO. 502
DATE JUNE 30, 1960
M D. 61 - C - 4 A 11
Rev. 9-28-61
Rev. 6-20-61
Rev. 5-24-61
Rev. 4-18-61
STORM DRAINAGE PLAN
SITE #6
SD FILE NO. 588

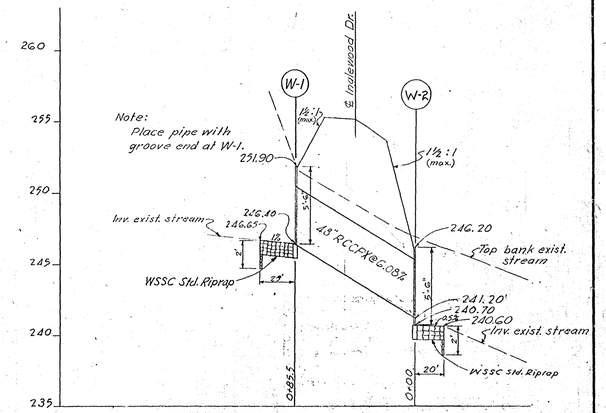
CE 487-580-2


RIVER RD.
PLAY AREA
PAVED AREA
Exist. Structure (to remain)
Exist. Inlets
Exist. 48" RCP-Cl IV @ 2.59 %
Exist. Structure (see note)
New Structure
S1° 37' 40" W 687.56'
Remove Exist. Headwall & salvage Protective Gate for use in new Str. 43. Install Std. W.S.S.C. Manhole-Type A-60.
8" San. Sewer
42" R.C.P.-Cl IV @ 3.51 %
Drainage Ditch by M.S.R.C.
Provide End Cut-off Wall (2' deep)
Riprap
Std. W.S.S.C. Endwall & Riprap Paving with Protective Gate (salvaged from Str. 20) to meet field conditions.
Note: Storm Drainage System shown on this Drwg. to be maintained by the Mont. Co. Board of Education.
SD # D-26, 61055-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
*APPROVED MAR. 14, 1962
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY W.S.S.C. STRUCTURES AFFECTED.
THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A COMPONENT PART OF THE STORM DRAINAGE SYSTEM FOR THIS DRAINAGE AREA. THE COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER FOR ANY DAMAGE WHICH MAY BE CAUSED TO ADJACENT PROPERTY OWNERS OR TO OWNERS DOWNSTREAM, BY REASON OF THE INSTALLATION OF THE DRAINAGE STRUCTURES SHOWN HEREON.
SENIOR DESIGN ENGINEER
THE WORK OF CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE BEGINNING CONSTRUCTION.
* Structures 42 & 43 and connecting pipe
REVISED
STORM DRAINAGE PLAN
WEST BETHESDA HIGH SCHOOL
MONTGOMERY COUNTY, MARYLAND
SCALE: 1" = 40'
FEB. 6, 1962
DRAWN: HR
TRACED: DB
CHECKED: HR
ASSOCIATED ENGINEERS, INC.
1605 CONNECTICUT AVE., N.W.
WASHINGTON, D.C.
JOB: 1076C
SHEET: 1 OF 2
CE487-580-3
SD FILE NO. 588

SD # D-26, 61051-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED APRIL 18, 1961
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY W.S.S.C STRUCTURES AFFECTED.
THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A COMPONENT PART OF THE STORM DRAINAGE SYSTEM FOR THIS DRAINAGE AREA. THIS COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER FOR ANY DAMAGE WHICH MAY BE CAUSED TO ADJACENT PROPERTY OWNERS, OR TO OWNERS DOWNSTREAM, BY REASON OF THE INSTALLATION OF THE DRAINAGE STRUCTURES SHOWN HEREON.
SENIOR DESIGNING ENGINEER
THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.





Profile of Ditch & Culvert

GENERAL NOTES

1. All storm drains shall be constructed in accordance with the General Specifications of the W.S.S.C. adopted Sept. 30, 1954.
2. Types of structures refer to the W.S.S.C's Standard Storm Drainage Details unless otherwise noted.

MARYLAND - NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED April 11, 1961 DATE
FOR STREET GRADE ONLY
LAND PLANNING ENGINEER
M.-N.C.P.&P.C. RECORD FILE NO. 7334

STRUCTURE SCHEDULE			
Nº	TYPE	TOP ELEV.	REMARKS
W-1	B-54	251.90	SRC mod. for 48" Pipe; 25' WSSC Riprap
W-2	B-54	246.20	SRC mod. for 48" Pipe; 20' WSSC Riprap

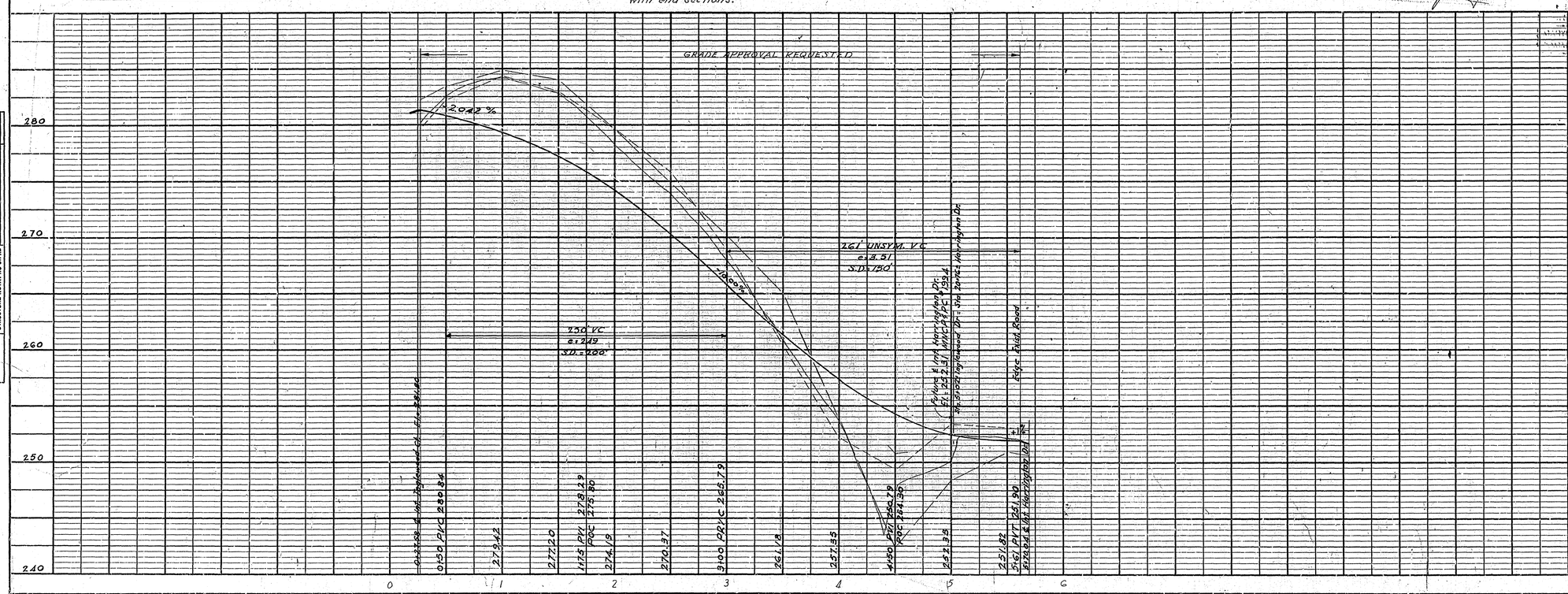
PIPE SCHEDULE		
SIZE	TYPE	LENGTH
48"	RCCPX	86'

Note:
If requested by owners construct drives with 20 l.f. 11"x18" CMPA with end sections.

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED FOR STORM DRAINS ONLY
3-15-61

TENTATIVE APPROVAL	BY	DATE
MONTGOMERY COUNTY		3-8-61
MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION Grade Only		3-9-61
WASHINGTON SUBURBAN SANITARY COMMISSION		
MARYLAND STATE ROADS COMMISSION		

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
FINAL APPROVAL
Grade Only
DATE 11/7 1961
BY H. L. M.



LEGEND
Exist. ℄ Grade
Prop. ℄ Grade
Left 25'
Right 25'

DES. SHG	MONTGOMERY COUNTY MARYLAND DEPARTMENT OF PUBLIC WORKS ROCKVILLE, MD.
DR. CEDIERT	
CHK.	PAVING PLAN GRADE ESTABLISHMENT
CODE REQ.	INGLEWOOD DRIVE
STORM DRAINS	NOV. 1960 SCALE HOR. 1" = 50' VER. 1" = 5'
RIGHT OF WAY	APPROVED
UTILITIES	CHIEF HIGHWAY ENG. DIV. / DIRECTOR DEPT. OF PUB. WKS.
CONTRACT	PROJ. 61-1190 / FILE / PWG 2 of 2

586

T.I.-007-F

PLATE 1 PLAN - PROFILE D P R Standard
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

Printed in U.S.A.
On DIETZGEN DRAFTEX MOISTURE PROOF Cloth

CE 487-580-4

SD FILE NO. 580

STRUCTURE TABLE

STRUCT.	DESCRIPTION	TYPE	TOP ELEV.	REMARKS
1	Std. W.S.S.C. Endwall			Inv. 332.40
2	" " " Manhole	B-48"	326.85	
3	" " Inlet	A-5	325.80	
3-A	" " "	B-10	326.10	
4	" " Manhole	B-72	326.50	
5	" " "	A-48	324.60	
6	" " "	B-60	311.00	
7	" " Endwall			Inv. 322.00
8	Mod. " Inlet	"D"	317.83	Lip 317.00 - 4 Sides Open
9	Std. " Manhole	B-54	321.00	Make Insides 3'-6" x 3'-6"
10	" " "	B-49	321.90	
11	" " "	B-48	315.00	
11-A	" " Inlet	A-5	314.90	
12	" " "	E	312.00	
13	Mod. " "	D	308.83	Lip elev. 308.00 - 4 Sides Open Make Insides 3'-0" x 3'-0"
14	Std. " "	B-15	312.40	
15	Std. " "	B-10	304.00	
16	" " "	B-15	304.50	
17	" " Manhole	B-72	305.00	
18	" " Inlet	E	307.00	
19	" " "	"	341.75	
20	" " Endwall			Inv. 280.00 w. proted. gate
21	" " Inlet	D	294.33	4 Sides Open - Lip Elev. 293.50
22	" " "	"	319.73	Lip elev. 318.90 - 3 Sides Open
23	" " "	E	341.75	
24	" " "	"	341.75	
25	" " "	"	341.50	
26	" " "	"	329.00	
27	" " "	"	327.10	
28	" " "	"	323.50	
29	" " "	"	327.00	
30	" " "	"	328.00	
31	" " "	D	325.33	Lip elev. 324.50 - 4 Sides Open
32	" " "	"	314.83	Lip elev. 314.00 - "
33	" " "	E	341.45	
34	" " "	"	342.00	
35	Mod. " "	"	342.00	Make Inside 2'-0" x 2'-0"
36	" " "	"	341.75	" " " "
37	Std. " "	"	328.90	
38	" " "	"	323.80	
39	" " "	"	323.50	
40	" " "	"	313.50	

PIPE SCHEDULE

15"	R.C.S.P.	151'	48"	R.C.C.P.	445'
15"	R.C.C.P.	261'	27"	R.C.C.P.	425'
18"	R.C.C.P.	526'	30"	R.C.C.P.	228'
21"	R.C.S.P.	189'	33"	R.C.C.P.	285'
21"	R.C.C.P.	575'	36"	R.C.C.P.	149'
24"	R.C.C.P.	50'	42"	R.C.C.P.	267'

Pipe sizes under 15" not included in Pipe Schedule.

STORM DRAINAGE NOTES

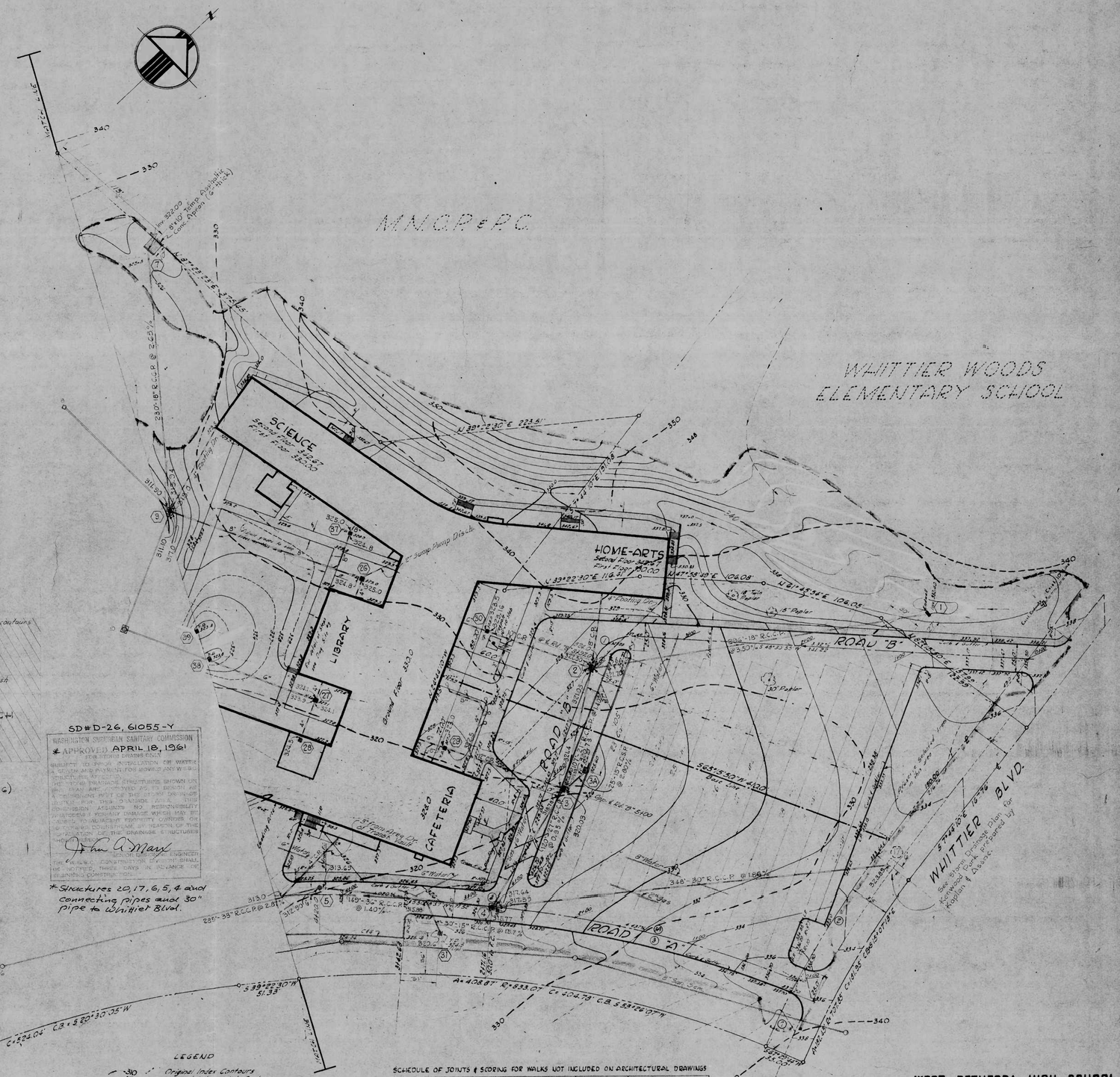
1. All storm drains shall be constructed in accordance with the General Specifications of the Washington Suburban Sanitary Commission, adopted Sept. 30, 1954.
2. Types of structures refer to the Washington Suburban Sanitary Commision Standard Storm Drainage Details, unless otherwise noted.
3. Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elevation of the mains by digging test pits by hand at all utility crossings well in advance of trenching.
4. R.C.P. Pipe may be substituted for C.M.P. pipe at option of contractor.
5. All applicable portion of specs including addendum shall be followed.

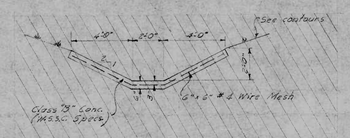
STORM DRAINAGE LEGEND

- (13) Structure Numbers
- Storm Drain Lines
- Pick-up Drain Lines
- Manholes, Yard Drains, Catch Basins & Down Spouts or Area Drains

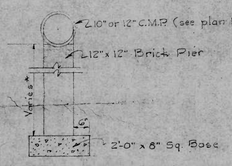
CURVE TABLE

	Δ	RADIUS	ARC	TAN	CHORD	C.B.
L	75°13'05"	35.00'	44.75'	26.08'	41.76'	N11°53'22"E
L2	95°41'31"	74.25	124.50'	84.61'	110.75'	N12°42'25"W
L3	174°26'50"	895.37'	277.72'	138.83'	275.18'	S38°09'24"W
L4	16°52'46"	"	263.82'	132.40'	262.93'	S39°13'23"W
L5	0°27'58"	"	7.28'	3.64'	7.28'	S30°32'56"W
L6	91°45'56"	833.38'	1335.57'	1194.62'	1198.66'	S45°19'15"W
L7	172°39'20"	"	2512.45'	1273.62'	2504.63'	S39°42'51"W
L8	11°34'33"	830.73'	167.78'	83.90'	167.51'	S19°33'12"E





TYPICAL SECTION - PAVED DITCH
SCALE: 1/4" = 1'-0"



BRICK PIER
SCALE: 1/2" = 1'-0"
*See Drwg. Site #7 for depth

SD # D-26, 61055-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
* APPROVED APRIL 18, 1961
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WATER & SEWER PIPES.
THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE DESIGNED AS A PERMANENT PART OF THE STORM DRAINAGE SYSTEM FOR DEVELOPMENT OF THIS SUBDIVISION. ACCORDINGLY, NO RESPONSIBILITY IS ASSUMED FOR ANY DAMAGE WHICH MAY BE CAUSED TO ADJACENT PROPERTIES OVERFLOW, DURING CONSTRUCTION, BY REASON OF THE PRESENCE OF THE DRAINAGE STRUCTURES.
CHIEF ENGINEER
THE PUBLIC CONSTRUCTION DIVISION SHALL BE NOTIFIED, THREE DAYS IN ADVANCE, FOR BEGINNING CONSTRUCTION.

*Structures 20, 17, 6, 5, 4 and connecting pipes and 30" pipe to Whittier Blvd.

LEGEND

- 330 Original Index Contours
- 332 Original Intermediate Contours
- 320 Design Index Contours
- 322 Design Intermediate Contours
- 323 Design Supplementary Contours
- Catch Basins & Yard Drains
- Limit of Grading in contract

SCHEDULE OF JOINTS & SCORING FOR WALKS NOT INCLUDED ON ARCHITECTURAL DRAWINGS

WALK WIDTH	EXPANSION *JOINT SPACING	CONSTRUCTION JOINT SCORING	NORMAL SCORING	REMARKS
5'-0"	32'-0"	16'-0"	4'-0" square	where not adjoining curb
5'-0" (incl curb)	32'-0"	16'-0"	4'-0" x 5'-0"	where adjoining curb
6'-0"	32'-0"	16'-0"	4'-0" a.c.	transverse only
5'-0"	30'-0"	15'-0"	5'-0" a.c.	transverse only

*NOTE: Premolded ¾" expansion joint material also to be installed to full depth of slab where walks abut curb, steps, other walks or structures of any kind.

NOTES:
Stippled areas indicate walks not included in Archt. Drwgs.
All disturbed areas not paved, to be seeded.
All trees shown on these plans are to be protected and are to remain.
Curb and gutter to be constructed in 20 foot sections separated during construction by ½" steel templates set perpendicular to the line of curb; ¾" expansion joint at 30 foot intervals.

SCALE 1" = 40'

ASSOCIATED ENGINEERS, INC.
1605 CONNECTICUT AVENUE, N.W.
WASHINGTON, D.C.

WEST BETHESDA HIGH SCHOOL
MONTGOMERY COUNTY, MARYLAND
FOR THE MONTGOMERY COUNTY BOARD OF EDUCATION
McLEOD & FERRARA ARCHITECTS A. I. A.
1333 CONNECTICUT AVENUE, N.W., WASHINGTON, D. C.
J. GIBSON WILSON JR. STRUCTURAL ENGINEER
KLUCKHUHN CORE & McDAVID MECHANICAL ENGINEER
COMMISSION NO. 508 DATE APRIL 4, 1961
M D. 61 — C — 4 A 11

STORM DRAINAGE PLAN
SITE #5

Rev. 4-18-61

CE487-580-5

SD FILE NO. 580