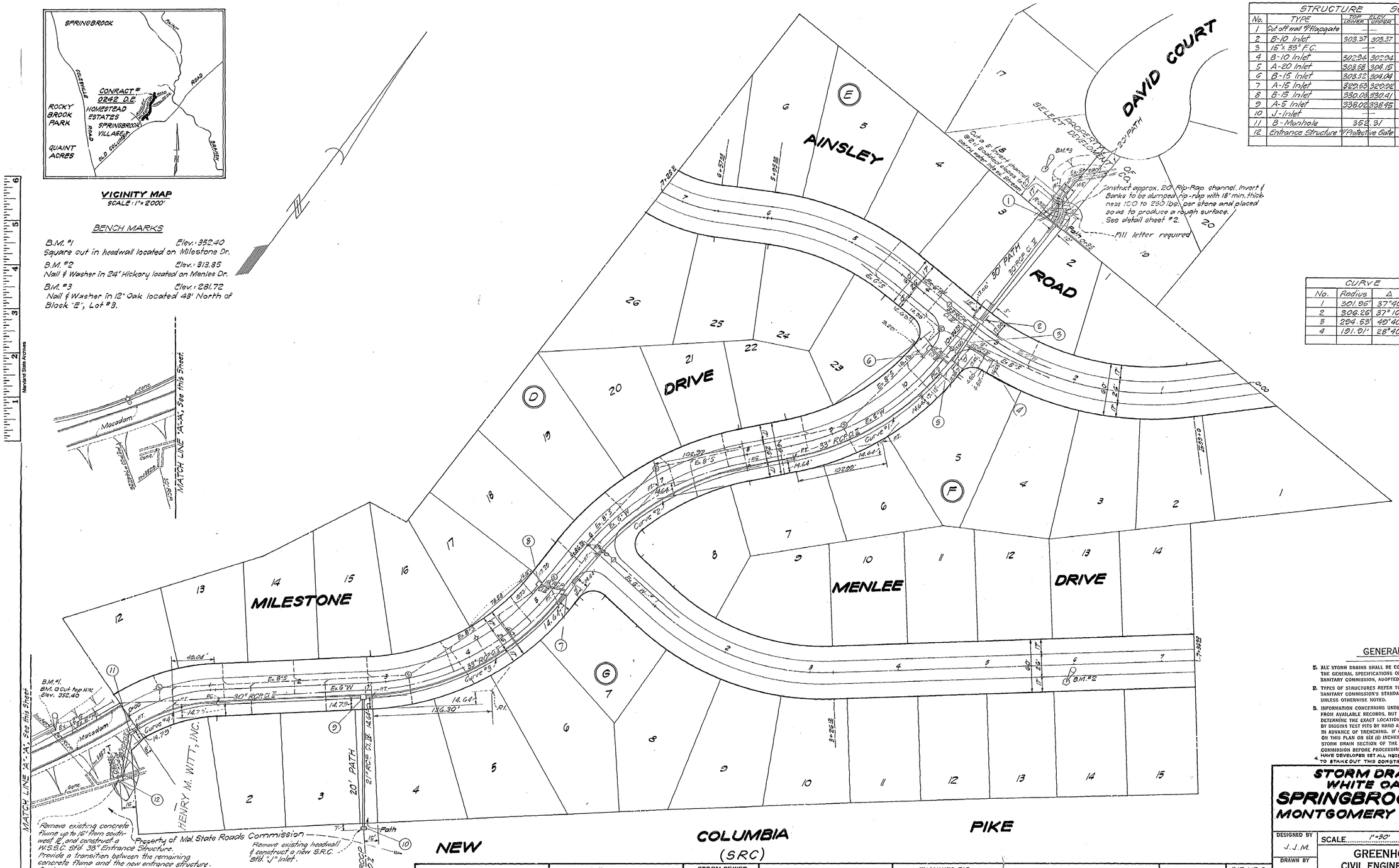
VICINITY MAP
SCALE: 1" = 2000'

BENCH MARKS

B.M. #1 Elev.: 352.40
Square cut in headwall located on Milestone Dr.

B.M. #2 Elev.: 313.85
Nail & Washer in 24" Hickory located on Menlee Dr.

B.M. #3 Elev.: 281.72
Nail & Washer in 12" Oak located 43' North of Block "E", Lot #3.



STRUCTURE SCHEDULE				
No.	TYPE	TOP ELEV. LOWER	TOP ELEV. UPPER	REMARKS
1	Cut off wall w/ Flapgate	—	—	30" WSSC Std.
2	B-10 Inlet	303.37	303.37	WSSC Std.
3	15" x 33" F.C.	—	—	WSSC Std.
4	B-10 Inlet	302.94	302.94	WSSC Std.
5	A-20 Inlet	303.58	304.15	WSSC Std.
6	B-15 Inlet	303.52	304.04	WSSC Std.
7	A-15 Inlet	329.53	329.92	WSSC Std.
8	B-15 Inlet	330.03	330.41	WSSC Std.
9	A-5 Inlet	338.02	338.45	WSSC Std.
10	J-Inlet	—	—	Md. S.R.C. Std. with grate
11	B-Manhole	352.31		WSSC Std. 48" Square
12	Entrance Structure w/ Protective Gate			33" WSSC Std.

CURVE DATA				
No.	Radius	Δ	Length	Tangent
1	301.96'	37°40'	198.47'	102.99'
2	306.26'	37°10'	198.66'	102.97'
3	294.53'	49°40'	255.37'	136.30'
4	191.91'	28°40'	96.01'	49.04'

GENERAL NOTES

1. ALL STORM DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL SPECIFICATIONS OF THE WASHINGTON SUBURBAN SANITARY COMMISSION, ADOPTED SEPTEMBER 30, 1954.
2. TYPES OF STRUCTURES REFER TO THE WASHINGTON SUBURBAN SANITARY COMMISSION'S 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. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR SIX (6) INCHES, WHICHEVER IS LESS, CONTACT THE STORM DRAIN SECTION OF THE WASHINGTON SUBURBAN SANITARY COMMISSION BEFORE PROCEEDING WITH CONSTRUCTION.
4. HAVE DEVELOPER SET ALL NECESSARY PROPERTY PIPES TO STAKE OUT THIS CONSTRUCTION.

CONTRACT No 0242 D.E.

STORM DRAINAGE PLAN
WHITE OAK DISTRICT
SPRINGBROOK VILLAGE
MONTGOMERY COUNTY, MARYLAND

DESIGNED BY J.J.M.
DRAWN BY Z.H. E.E.
SCALE 1"=50' DATE July, 1961.

GREENHORNE AND O'MARA
CIVIL ENGINEERS LAND SURVEYORS
6715 - KENILWORTH AVE. RIVERDALE, MD.

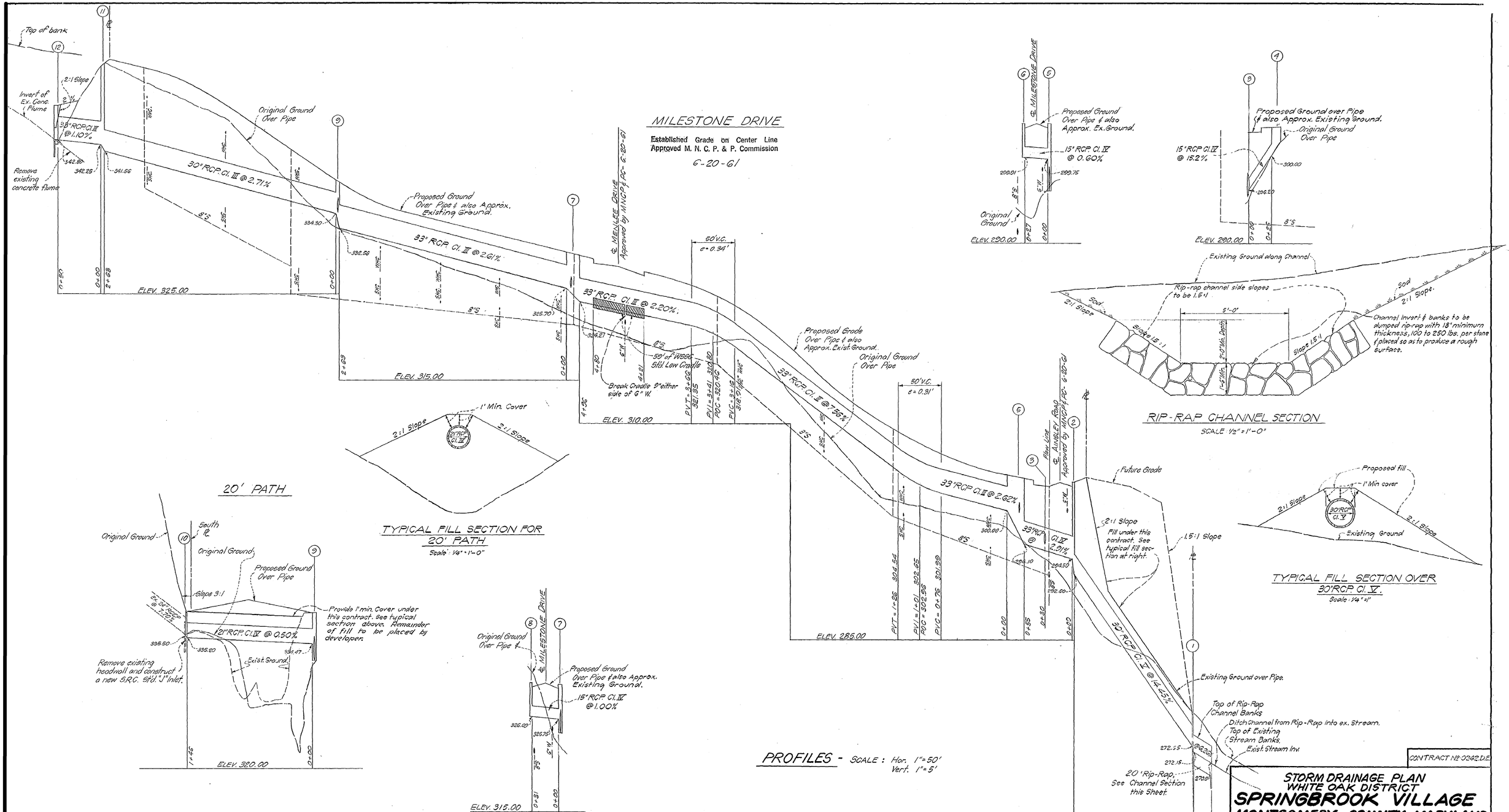
SD FILE NO. 220

WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED MAY 18, 1962 CHIEF ENGINEER	STORM SEWER AUTHOR 1-9-62 JOB NO. 62 DE 5572	SUPERVISION FOR MAIN LINES ONLY NOT REQUIRED BY DEPT. OF STATE FOREST & PARKS BALTIMORE, MD.	EXAMINED FOR WATER & SEWER / R/W REQ'D. 5/11/62 / OTHER UTILITIES 5/15/62	CONTRACT No 0242 D.E.	DRAWING 1 / 2	215 NE 2 / 62 162 / Y / 30 NE 3-3,4 / 29 NE 3-1

CHECKED: [illegible]
EXAMINED:

CE487-219 -1

G&O FILE #SD.366


Top of bank
Invert of Ex. Conc. Flume
2:1 Slope
2%
Remove existing concrete flume
36" RCP Cl. III @ 1.10%
342.80
342.25
341.56
Original Ground Over Pipe
30" RCP Cl. III @ 2.71%
8'S
334.90
Proposed Ground Over Pipe & also Approx. Existing Ground.
332.56
33" RCP Cl. III @ 2.61%
325.70
ELEV. 325.00
ELEV. 315.00
MILESTONE DRIVE
Established Grade on Center Line
Approved M. N. C. P. & P. Commission
6-20-61
℄ MENLEE DRIVE
Approved by MNCP&PC - 6-20-61
33" RCP Cl. II @ 2.20%
324.27
6"W.
8'S
50' of "WEGO" 6ft. Low Cradle
Break Cradle 9" either side of 6" W.
324.80
ELEV. 310.00
50' V.C.
e = 0.34'
PVT = 3+66
321.35
PVI = 3+41
320.80
POC = 3+16
318.51
PVC = 3+16
"Type"
Proposed Grade Over Pipe & also Approx. Exist. Ground.
Original Ground Over Pipe
33" RCP Cl. II @ 7.50%
50' V.C.
e = 0.31'
8'S
ELEV. 285.00
℄ ANNLEY ROAD
Approved by MNCP&PC - 6-20-61
Flow Line
33" RCP Cl. II @ 2.62%
300.00
33" RCP Cl. II @ 2.91%
PVT = 1+26
304.54
PVI = 1+01
302.65
POC = 0+76
301.99
PVC = 0+76
0+55
0+30
0+00
Future Grade
2:1 Slope
Fill under this contract. See typical fill section at right.
1.5:1 Slope
30" RCP Cl. V @ 14.45%
Existing Ground over Pipe.
Top of Rip-Rap Channel Banks
Ditch Channel from Rip-Rap into ex. Stream.
Top of Existing Stream Banks.
Exist. Stream Inv.
272.55
272.15
270.91
20' Rip-Rap. See Channel Section this Sheet.
Elev. 260.00
℄ MILESTONE DRIVE
Proposed Ground Over Pipe & also Approx. Ex. Ground.
15" RCP Cl. IV @ 0.60%
289.01
289.75
8'S
6"W.
Original Ground
ELEV. 290.00
0+27
0+00
Proposed Ground over Pipe & also Approx. Existing Ground.
Original Ground Over Pipe
15" RCP Cl. III @ 15.2%
300.00
296.20
8'S
ELEV. 290.00
0+20
0+65
Existing Ground along channel
Rip-rap channel side slopes to be 1.5:1
Sod
2:1 Slope
5'-0"
Slope 1.5:1
1'-6" Min. Depth
Channel invert & banks to be dumped rip-rap with 18" minimum thickness, 100 to 250 lbs. per stone & placed so as to produce a rough surface.
RIP-RAP CHANNEL SECTION
SCALE 1/2" = 1'-0"
1' Min. Cover
2:1 Slope
2:1 Slope
30" RCP Cl. V
TYPICAL FILL SECTION FOR 20' PATH
Scale: 1/4" = 1'-0"
20' PATH
South ℄
Original Ground
Original Ground
Proposed Ground Over Pipe
Slope 3:1
6.8' Slope @ 7.12%
12" RCP Cl. III @ 0.50%
Provide 1' min. Cover under this contract. See typical section above. Remainder of fill to be placed by developer.
335.60
335.20
334.47
Exist. Ground
Remove existing headwall and construct a new S.R.C. Std. "J" Inlet.
1+46
ELEV. 320.00
0+00
Original Ground
Over Pipe ℄
℄ MILESTONE DRIVE
Proposed Ground Over Pipe & also Approx. Existing Ground.
15" RCP Cl. III @ 1.00%
326.03
326.75
6"W.
8'S
ELEV. 315.00
0+81
0+00
Proposed fill
1' Min cover
2:1 Slope
30" RCP Cl. V
2:1 Slope
Existing Ground
TYPICAL FILL SECTION OVER 30" RCP Cl. V.
Scale: 1/4" = 1'
PROFILES - SCALE: Hor. 1" = 50'
Verf. 1" = 5'
CONTRACT Nº 0242 D.E.
STORM DRAINAGE PLAN
WHITE OAK DISTRICT
SPRINGBROOK VILLAGE
MONTGOMERY COUNTY, MARYLAND
DESIGNED BY J.J.M.
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SCALE As Shown DATE July, 1961
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WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED May 18, 1962
CHIEF ENGINEER
STORM SEWER AUTHOR T-D-CO2
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OTHER UTILITIES
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DRAWING NO. 2 OF 2
62 163 Y
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CE 487-219-2
G&O FILE # 50 300