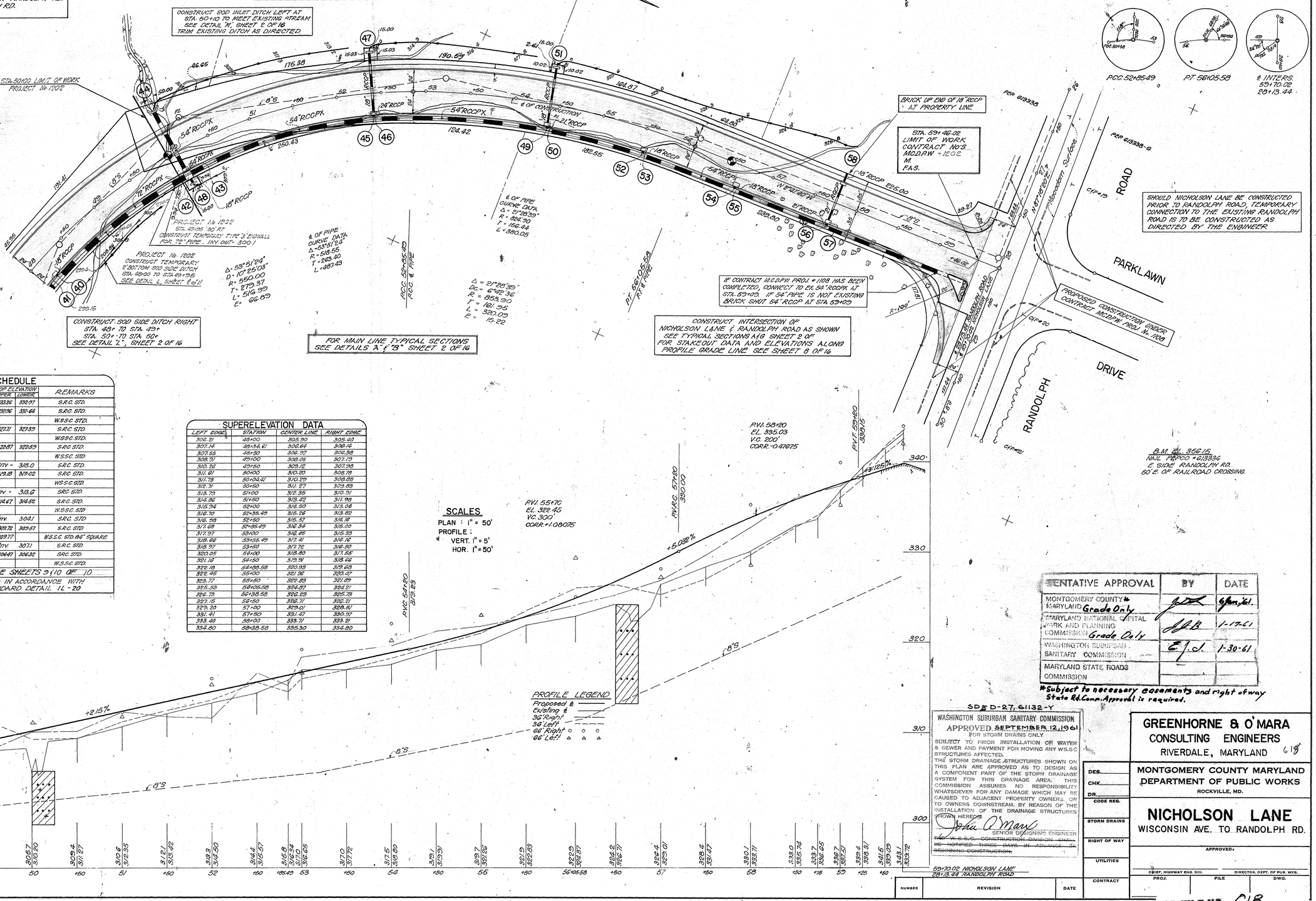
FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	MD.		7	16

CONSTRUCT 5' CONCRETE SIDEWALK
STA. 48+00 LEFT MAIN LINE TO STA. 27+64.44 RIGHT RANDOLPH RD.
AND
STA. 48+00 RIGHT MAIN LINE TO STA. 29+37.44 RIGHT RANDOLPH RD.
STA. 28+39.44 TO STA. 28+65 RIGHT RANDOLPH RD.
SEE DETAIL "N" SHEET 2 OF 16

CONSTRUCT SOD SIDE DITCH LEFT
STA. 50+ TO STA. 52+
STA. 52+ TO STA. 54+
STA. 54+ TO STA. 57+
SEE DETAIL "L", SHEET 2 OF 16

CONSTRUCT SOD INLET DITCH LEFT AT STA. 50+10 TO MEET EXISTING STREAM
SEE DETAIL "K", SHEET 8 OF 16
TRIM EXISTING DITCH AS DIRECTED.



PIPE SCHEDULE

SIZE	SHEET 3	SHEET 4	SHEET 5	SHEET 6	SHEET 7	TOTAL
18" RCCP	285	29	77	387	156	936
21" RCCP				92	48	140
24" RCCP	194			3	3	200
27" RCCPX		58				58
30" RCCPX	231					231
33" RCCPX				20		20
36" RCCPX	239	70				309
42" RCCPX		42				42
48" RCCPX		34				34
54" RCCPX		280			949	1229
60" RCCPX		–				–
72" RCCPX				719	197	916
84" RCCPX				454	–	454

STRUCTURE SCHEDULE

No.	℄ STATION	℄ OFFSET	TYPE	TOP ELEVATION UPPER	TOP ELEVATION LOWER	REMARKS
58	57+75	24' LT.	5' COMB. INLET	333.86	330.97	S.R.C. STD.
57	57+75	24' RT.	5' COMB. INLET	330.96	330.64	S.R.C. STD.
56	57+75	27' RT.	21"x54" FIELD CONN.			W.S.S.C. STD.
55	56+65	24' RT.	5' COMB. INLET	327.71	327.39	S.R.C. STD.
54	56+65	27' RT.	18"x54" FIELD CONN.			W.S.S.C. STD.
53	55+54	24' RT.	5' COMB. INLET	322.87	322.59	S.R.C. STD.
52	55+54	27' RT.	18"x54" FIELD CONN.			W.S.S.C. STD.
51	54+40	48' LT	TYPE 'C' ENDWALL	Inv =	318.0	S.R.C. STD.
50	54+40	24' RT.	5' COMB. INLET	319.18	319.02	S.R.C. STD.
49	54+40	27' RT.	21"x54" FIELD CONN.			W.S.S.C. STD.
47	52+40	46' LT.	TYPE 'C' ENDWALL	Inv =	313.6	S.R.C. STD.
46	52+40	24' RT.	5' COMB. INLET	314.47	314.52	S.R.C. STD.
45	52+40	27' RT.	24"x54" FIELD CONN.			W.S.S.C. STD.
44	50+10	52' LT.	B.S.4. ENDWALL	Inv.	304.1	S.R.C. STD.
43	50+10	24' RT.	5' COMB. INLET	309.72	309.57	S.R.C. STD.
42	50+10	29.30 RT.	TYPE 'B' MANHOLE	309.77		W.S.S.C. STD. 84" SQUARE
48	50+10	41' RT	TYPE 'C' ENDWALL	Inv	307.1	S.R.C. STD.
41	48+15	24' RT	5' COMB. INLET	306.41	306.32	S.R.C. STD.
40	48+15	27' RT.	18"x72" FIELD CONN.			W.S.S.C. STD.

FOR DRAINAGE PROFILES SEE SHEETS 9 & 10 OF 10

ALL INLETS TO BE DEPRESSED IN ACCORDANCE WITH STATE ROADS COMMISSION STANDARD DETAIL IL - 20

SUPERELEVATION DATA

LEFT EDGE	STATION	CENTER LINE	RIGHT EDGE
306.81	48+00	312.90	319.43
307.14	48+34.61	306.64	306.14
307.55	48+50	306.37	306.38
308.97	49+00	308.05	307.73
310.32	49+50	309.12	307.98
311.61	50+00	310.20	308.78
311.78	50+04.41	310.29	308.86
312.71	50+50	311.27	309.83
313.73	51+00	312.35	310.31
314.86	51+50	313.42	311.98
315.94	52+00	314.50	313.06
316.70	52+35.49	315.28	313.82
316.98	52+50	315.57	314.18
317.68	53+00	316.34	315.02
317.97	53+00	316.46	315.33
318.66	53+35.49	317.41	316.16
318.97	53+50	317.76	316.50
320.25	54+00	318.80	317.66
321.16	54+50	319.91	318.66
322.18	54+98.58	320.93	319.63
322.45	55+00	321.26	320.07
323.77	55+50	322.83	321.89
325.53	56+05.58	324.67	324.21
326.73	56+55.58	326.23	325.73
327.15	57+50	328.71	328.21
329.30	57+00	329.01	328.51
331.41	57+50	331.47	330.97
333.40	58+00	333.71	333.21
334.80	58+38.58	335.30	334.80

TENTATIVE APPROVAL	BY	DATE
MONTGOMERY COUNTY * MARYLAND Grade Only	[illegible]	6 Jan. 61
MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION Grade Only	[illegible]	1-17-61
WASHINGTON SUBURBAN SANITARY COMMISSION	[illegible]	1-30-61
MARYLAND STATE ROADS COMMISSION		

*Subject to necessary easements and right of way State Rd. Comm. Approval is required.

SDE D-27, 61132-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED SEPTEMBER 12, 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.
John O'Mara
SENIOR DESIGNING ENGINEER
~~THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.~~

59+70.02 NICHOLSON LANE
28+13.44 RANDOLPH ROAD

NUMBER	REVISION	DATE

DES.
CHK.
DR.
CODE REQ.
STORM DRAINS
RIGHT OF WAY
UTILITIES
CONTRACT

GREENHORNE & O'MARA
CONSULTING ENGINEERS
RIVERDALE, MARYLAND 618

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

NICHOLSON LANE
WISCONSIN AVE. TO RANDOLPH RD.

APPROVED:
CHIEF, HIGHWAY ENG. DIV. — DIRECTOR, DEPT. OF PUB. WKS.
PROJ. — FILE — DWG.

SD FILE NO. 618

CE 487-610-1

Maryland State Archives

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	MD.		3	16

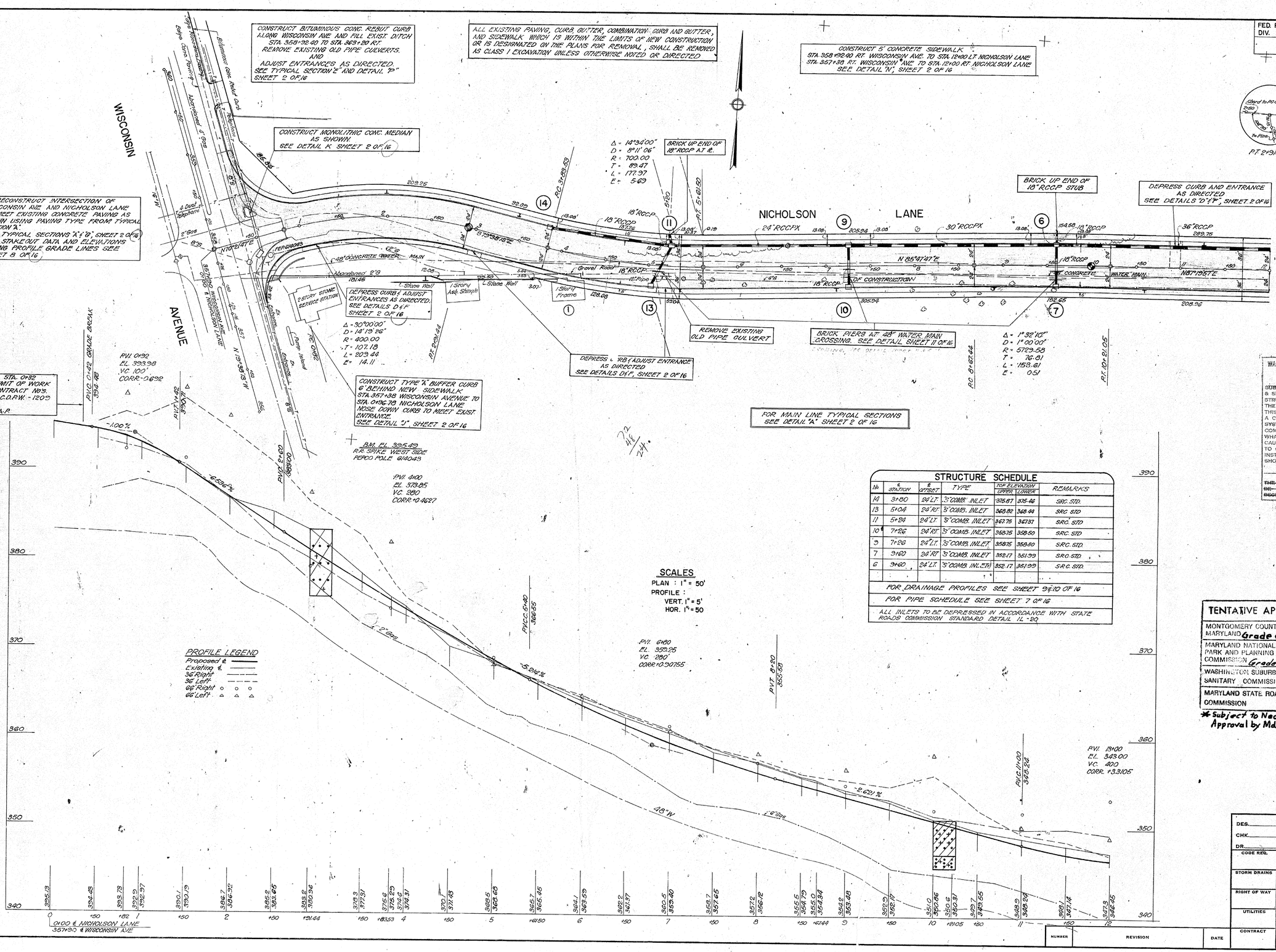
CONSTRUCT BITUMINOUS CONC. REBUT CURB ALONG WISCONSIN AVE AND FILL EXIST. DITCH STA. 358+92.40 TO STA. 369+80 RT. REMOVE EXISTING OLD PIPE CULVERTS. AND ADJUST ENTRANCES AS DIRECTED. SEE TYPICAL SECTION "E" AND DETAIL "P" SHEET 2 OF 16

ALL EXISTING PAVING, CURB, GUTTER, COMBINATION CURB AND GUTTER, AND SIDEWALK WHICH IS WITHIN THE LIMITS OF NEW CONSTRUCTION OR IS DESIGNATED ON THE PLANS FOR REMOVAL, SHALL BE REMOVED AS CLASS I EXCAVATION UNLESS OTHERWISE NOTED OR DIRECTED

CONSTRUCT 5' CONCRETE SIDEWALK STA. 358+92.00 RT. WISCONSIN AVE. TO STA. 12+00 LT. NICHOLSON LANE STA. 357+38 RT. WISCONSIN AVE TO STA. 12+00 RT. NICHOLSON LANE SEE DETAIL "N", SHEET 2 OF 16

CONSTRUCT MONOLITHIC CONC. MEDIAN AS SHOWN SEE DETAIL K SHEET 2 OF 16

RECONSTRUCT INTERSECTION OF WISCONSIN AVE. AND NICHOLSON LANE TO MEET EXISTING CONCRETE PAVING AS SHOWN USING PAVING TYPE FROM TYPICAL SECTION "A". SEE TYPICAL SECTIONS "A" & "B", SHEET 2 OF 16 FOR STAKEOUT DATA AND ELEVATIONS ALONG PROFILE GRADE LINES SEE SHEET 8 OF 16



STRUCTURE SCHEDULE

№	STATION	OFFSET	TYPE	TOP ELEVATION UPPER	TOP ELEVATION LOWER	REMARKS
14	3+80	24' LT.	5' COMB. INLET	376.87	376.46	SRC. STD.
13	5+04	24' RT.	5' COMB. INLET	369.82	369.44	SRC. STD
11	5+84	24' LT.	5' COMB. INLET	367.75	367.37	SRC. STD
10	7+26	24' RT.	5' COMB. INLET	358.75	358.50	SRC. STD
9	7+26	24' LT.	5' COMB. INLET	358.75	358.50	SRC. STD.
7	9+60	24' RT.	5' COMB. INLET	352.17	351.99	SRC. STD.
6	9+60	24' LT.	5' COMB. INLET	352.17	351.99	SRC. STD.

FOR DRAINAGE PROFILES SEE SHEET 9 & 10 OF 16

FOR PIPE SCHEDULE SEE SHEET 7 OF 16

ALL INLETS TO BE DEPRESSED IN ACCORDANCE WITH STATE ROADS COMMISSION STANDARD DETAIL IL-20

SD# D-27, 61132-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED SEPTEMBER 12, 1961
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WSSC 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.~~

TENTATIVE APPROVAL	BY	DATE
MONTGOMERY COUNTY* MARYLAND Grade Only - Reconstruction at existing Bldg.		1-6-61
MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION Grade Only	J.B.B.	1-17-61
WASHINGTON SUBURBAN SANITARY COMMISSION	E.J.S.	1-30-61
MARYLAND STATE ROADS COMMISSION		

* Subject to Necessary right of way & easements Approval by Md St. Rd. Comm. is required.

GREENHORNE & O'MARA
CONSULTING ENGINEERS
RIVERDALE, MARYLAND 618

DES.
CHK.
DR.
CODE REQ.
STORM DRAINS
RIGHT OF WAY
UTILITIES
CONTRACT

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

NICHOLSON LANE
WISCONSIN AVE. TO RANDOLPH RD.

APPROVED:
CHIEF, HIGHWAY ENG. DIV. — DIRECTOR, DEPT. OF PUB. WKS.

NUMBER	REVISION	DATE

PROJ.	FILE	DWG.

CE487-610-2

SD SD FILE NO. 618

Maryland State Archives

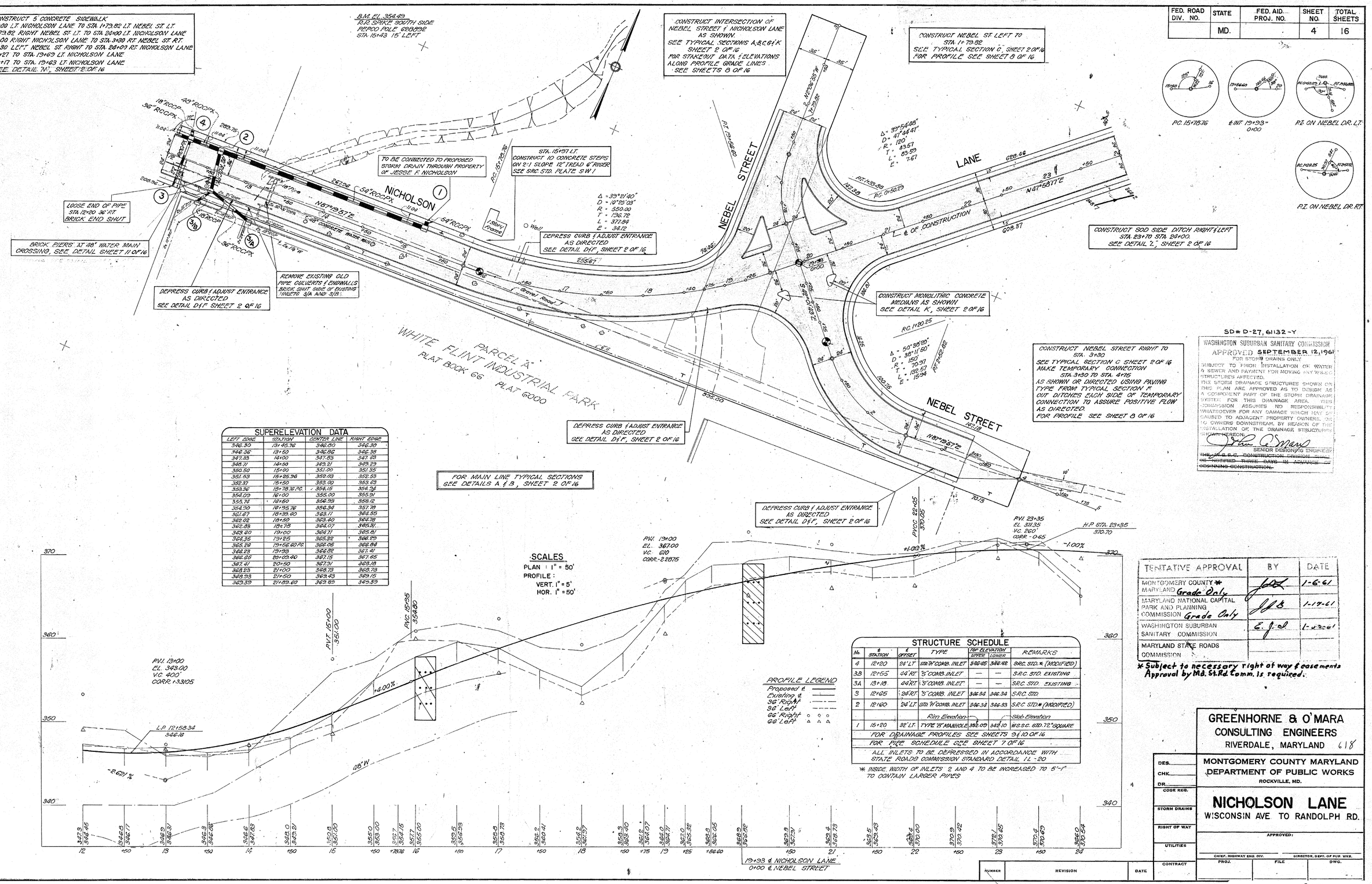
FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	MD.		4	16

CONSTRUCT 5' CONCRETE SIDEWALK
STA. 12+00 L.T. NICHOLSON LANE TO STA. 1+79.82 L.T. NEBEL ST. L.T.
STA. 1+79.82 RIGHT NEBEL ST. L.T. TO STA. 2+00 L.T. NICHOLSON LANE
STA. 12+00 RIGHT NICHOLSON LANE TO STA. 3+30 RT. NEBEL ST. RT.
STA. 3+30 LEFT NEBEL ST. RIGHT TO STA. 2+00 RT. NICHOLSON LANE
STA. 19+27 TO STA. 19+63 LT. NICHOLSON LANE
STA. 19+17 TO STA. 19+63 LT. NICHOLSON LANE
SEE DETAIL "N", SHEET 2 OF 16

B.M. EL. 354.63
R.O.B. SPIKE SOUTH SIDE
PEPCO POLE 628892
STA. 15+43 15' LEFT

CONSTRUCT INTERSECTION OF NEBEL STREET & NICHOLSON LANE AS SHOWN.
SEE TYPICAL SECTIONS A, B, C, & K SHEET 2 OF 16
FOR STAKEOUT DATA & ELEVATIONS ALONG PROFILE GRADE LINES SEE SHEETS 8 OF 16

CONSTRUCT NEBEL ST. LEFT TO STA. 1+79.82
SEE TYPICAL SECTION C, SHEET 2 OF 16
FOR PROFILE SEE SHEET 8 OF 16



SUPERELEVATION DATA

LEFT EDGE	STATION	CENTER LINE	RIGHT EDGE
346.30	13+65.76	346.30	346.30
346.36	13+50	346.36	346.38
347.83	14+00	347.83	347.83
348.71	14+50	349.21	349.29
350.50	15+00	351.00	351.35
351.63	15+25.36	352.03	352.53
352.37	15+50	353.00	353.63
353.36	15+78.76 P.C.	354.15	354.94
354.09	16+00	355.00	355.91
355.74	16+50	356.99	358.12
354.90	16+95.76	356.34	357.79
361.67	18+39.60	363.11	364.35
362.02	18+50	363.40	364.78
362.88	19+75	364.07	365.31
363.60	19+00	364.11	365.81
364.35	19+25	365.32	366.25
365.29	19+56.60 P.C.	366.06	366.84
366.23	19+93	366.92	367.41
366.65	20+03.40	367.15	367.65
367.41	20+50	367.71	368.18
368.23	21+00	368.73	369.78
368.93	21+50	369.43	369.15
369.39	21+89.60	369.89	369.39

SD# D-27, 61132-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED SEPTEMBER 12, 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.~~

TENTATIVE APPROVAL	BY	DATE
MONTGOMERY COUNTY * MARYLAND Grade Only	[illegible]	1-6-61
MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION Grade Only	[illegible]	1-17-61
WASHINGTON SUBURBAN SANITARY COMMISSION	[illegible]	1-[illegible]-61
MARYLAND STATE ROADS COMMISSION		

* Subject to necessary right of way & easements
Approval by Md. St. Rd. Comm. is required.

GREENHORNE & O'MARA
CONSULTING ENGINEERS
RIVERDALE, MARYLAND 618

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

NICHOLSON LANE
WISCONSIN AVE. TO RANDOLPH RD.

DES. | CHK. | DR. | CODE REQ. | STORM DRAINS | RIGHT OF WAY | UTILITIES | CONTRACT

APPROVED:
CHIEF, HIGHWAY ENG. DIV. | DIRECTOR, DEPT. OF PUB. WKS.
PROJ. | FILE | DWG.

NUMBER	REVISION	DATE

CE487-610-3

SD FILE NO. 618

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	MD.		5	16

CONSTRUCT 5' CONCRETE SIDEWALK STA. 35+00 TO STA. 48+00 LEFT. STA. 35+00 TO STA. 1+04.14 SPUR ROAD RIGHT AND STA. 1+04.14 LEFT - SPUR ROAD TO STA. 48+00 RT. SEE DETAIL "N", SHEET 2 OF 16

CONSTRUCT SPUR ROAD RIGHT AS SHOWN AT STA. 36+25 TO STA. 1+04.14 GRADE SPUR ROAD 12' WIDE STA. 1+04.14 TO STA. 1+8.55 SEE TYPICAL SECTION 'C' SHEET 2 OF 16 FOR PROFILE SEE SHEET 8 OF 16

CONSTRUCT 48' STD. BEAM TYPE GUARD FENCE AT STA. 1+08 ROAD SPUR RT. SEE S.R.C. STD. PLATE GR. 14 TO 17

CONSTRUCT SOD SIDE DITCH LEFT STA. 35+00 TO STA. 38+ SEE DETAIL L, SHEET 2 OF 16

CONSTRUCT SOD SIDE DITCH LEFT STA. 38+ TO STA. 40+ SEE DETAIL L, SHEET 2 OF 16

CONSTRUCT SOD ENTRANCE DITCH AS SHOWN SEE DETAIL 'R', SHEET 2 OF 16

BRICK UP END OF 18" RCCP AT PROPERTY LINE

BRICK PIERS AT SEWER CROSSING SEE DETAIL SHEET 11 OF 16

CONSTRUCT TEMPORARY 2' BOTTOM SOD SIDE DITCH STA. 47+00 TO STA. 48+00 SEE DETAIL L, SHEET 2 OF 11

PROJECT No. 1002

CONSTRUCT SOD SIDE DITCH RIGHT STA. 42+ TO STA. 46+ SEE DETAIL 'L' SHEET 2 OF 16

CONSTRUCT SOD INLET DITCH RIGHT AT STA. 42+50 TO MEET EXISTING STREAM SEE DETAIL M SHEET 2 OF 16 TRIM EXISTING DITCH AS DIRECTED

FOR DROP STRUCTURES, VELOCITY CHECKS, CHANNEL RELOCATION DETAILS AND PROFILE SEE SHEETS 2, 9 & 10 OF 16

FOR MAIN LINE TYPICAL SECTIONS SEE DETAILS A & B, SHEET 2 OF 16

NICHOLSON LANE

P.T. 36+57.55 | P.C. 41+27.54 | P.T. 45+40.31 | P.C. 47+68.50

SUPERELEVATION DATA

LEFT EDGE	STATION	CENTER LINE	RIGHT EDGE
300.00	35+57.55	301.44	302.88
297.81	36+00	299.08	300.22
295.72	36+50	296.65	297.58
294.21	36+87.55 RT	294.93	295.65
293.71	37+00	294.36	295.01
292.86	37+27.85	293.16	293.46
291.74	37+50	292.26	292.78
290.16	38+00	290.65	290.75
289.01	38+50	289.51	289.35
288.14	39+00	288.06	288.40
288.30	39+07.55	288.80	288.30 *
288.18	39+50	288.48	288.42
288.49	40+00	288.99	289.00
289.27	40+50	289.77	290.08
290.08	40+87.75	290.58	291.08
290.38	41+00	290.93	291.50
290.72	41+27.54 PC	291.44	292.16
291.08	41+50	291.92	292.76
291.88	42+00	293.00	294.12
292.67	42+50	294.07	295.47
292.79	42+67.55	294.23	295.67
293.80	43+04.11	295.24	296.68
295.03	43+50	296.82	298.41
296.39	44+00	297.30	298.21
297.74	44+50	298.37	299.00
298.99	44+74.21	298.89	298.39
298.95	45+00	299.45	299.81
299.82	45+40.31 PT	300.38	300.45
300.02	45+50	300.52	300.60
301.10	46+00	301.60	301.40
302.17	46+50	302.67	302.13
302.38	46+68.41	302.78	302.82
303.50	47+00	303.75	303.75
304.85	47+50	304.82	304.32
305.35	47+68.50 PC	305.22	304.72
306.21	48+00	305.90	305.40

STRUCTURE SCHEDULE

No.	# STATION	# OFFSET	TYPE	TOP ELEVATION UPPER	TOP ELEVATION LOWER	REMARKS
24	35+36	24' LT.	'S' COMB. INLET	302.30	301.93	S.R.C. STD.
23	36+89	33' LT.	TYPE 'B' MANHOLE	294.94		W.S.S.C. STD. 48" SQUARE
26	38+72	44' LT.	B 72 ENDWALL	INV. = 279.97		S.R.C. STD.
25	37+54	57 RT.	* B 84 ENDWALL	INV. = 277.96		S.R.C. STD.
38	46+00	24' LT.	'S' COMB. INLET	301.84	301.69	S.R.C. STD.
37	46+00	24' RT.	'S' COMB. INLET	302.12	302.01	S.R.C. STD.
36	46+00	27' RT.	24"x72" FIELD CONN.			W.S.S.C. STD.
34	44+05	24' LT.	'S' COMB. INLET	297.29	297.10	S.R.C. STD.
35	44+05	27' RT.	21"x72" FIELD CONN.			W.S.S.C. STD.
32	42+30	24' LT.	'S' COMB. INLET	293.08	292.97	S.R.C. STD.
31	42+43	48' RT.	TYPE 'D' ENDWALL	INV. = 288.7		S.R.C. STD.
30	42+50	30' RT.	TYPE 'B' MANHOLE	295.78		W.S.S.C. STD. 36" SQUARE
29	39+43	24' LT.	'S' COMB. INLET	288.85	288.35	S.R.C. STD.
28	39+14	24' RT.	'S' COMB. INLET	288.97	288.85	S.R.C. STD.
27	39+14	26.5 RT.	18"x84" FIELD CONN.			W.S.S.C. STD.

FOR DRAINAGE PROFILES SEE SHEETS 9 & 10 OF 16

FOR PIPE SCHEDULE SEE SHEET 7 OF 16

ALL INLETS TO BE DEPRESSED IN ACCORDANCE WITH STATE ROADS COMMISSION STANDARD DETAIL IL-20

* North wing wall to be modified to contain 84" RCCPX, 72" Pipe skewed in center wall. See Detail Sheet 9 of 16

SCALES
PLAN : 1" = 50'
PROFILE :
VERT. 1" = 5'
HOR. 1" = 50'

P.V.I. 35+55
EL. 301.00
V.C. 140
CORR. +0.5985

P.V.I. 38+10
EL. 286.12
V.C. 350
CORR. +2.944375

PROFILE LEGEND
Proposed ℄
Existing ℄
36' Right
36' Left
66' Right
66' Left

WATER LEVELS ENCOUNTERED WATER AT 2'-0" UPON COMPLETION AT 2'-0" WATER AT 2'-0" AFTER 19 HRS

WATER LEVELS ENCOUNTERED WATER AT 4'-0" UPON COMPLETION AT 1'-0" WATER AT 1'-0" AFTER 23 HRS

WATER LEVELS ENCOUNTERED WATER AT 4'-6" UPON COMPLETION AT 2'-6" WATER AT 2'-0" AFTER 19 HRS

DISINTEGRATED ROCK

REMOVAL, ROCK OR BOULDER

36+25 & NICHOLSON LANE
0+00 ROAD SPUR RIGHT

SD# D-27, 61132-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
* APPROVED SEPTEMBER 12, 1961
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WSSC 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.~~

* See Monta Co. Director of Public Works' letter dated Sept. 6, 1961 regarding elimination of protective gates. (Structures 29, 31 & 44)

TENTATIVE APPROVAL	BY	DATE
MONTGOMERY COUNTY MARYLAND Grade Only		1-6-61
MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION Grade Only		1-19-61
WASHINGTON SUBURBAN SANITARY COMMISSION	E.J.d	1-30-61
MARYLAND STATE ROADS COMMISSION		

* Subject to necessary right of way and easements. St. Rd. Comm. Approval Required

GREENHORNE & O'MARA
CONSULTING ENGINEERS
RIVERDALE, MARYLAND

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD. 61

NICHOLSON LANE
WISCONSIN AVE. TO RANDOLPH RD.

DES. | CHK. | DR. | CODE REQ. | STORM DRAINS | RIGHT OF WAY | UTILITIES | CONTRACT

APPROVED:
CHIEF, HIGHWAY ENG. DIV. | DIRECTOR, DEPT. OF PUB. WKS.
PROJ. | FILE | DWG.

NUMBER	REVISION	DATE

CE 487-610-4

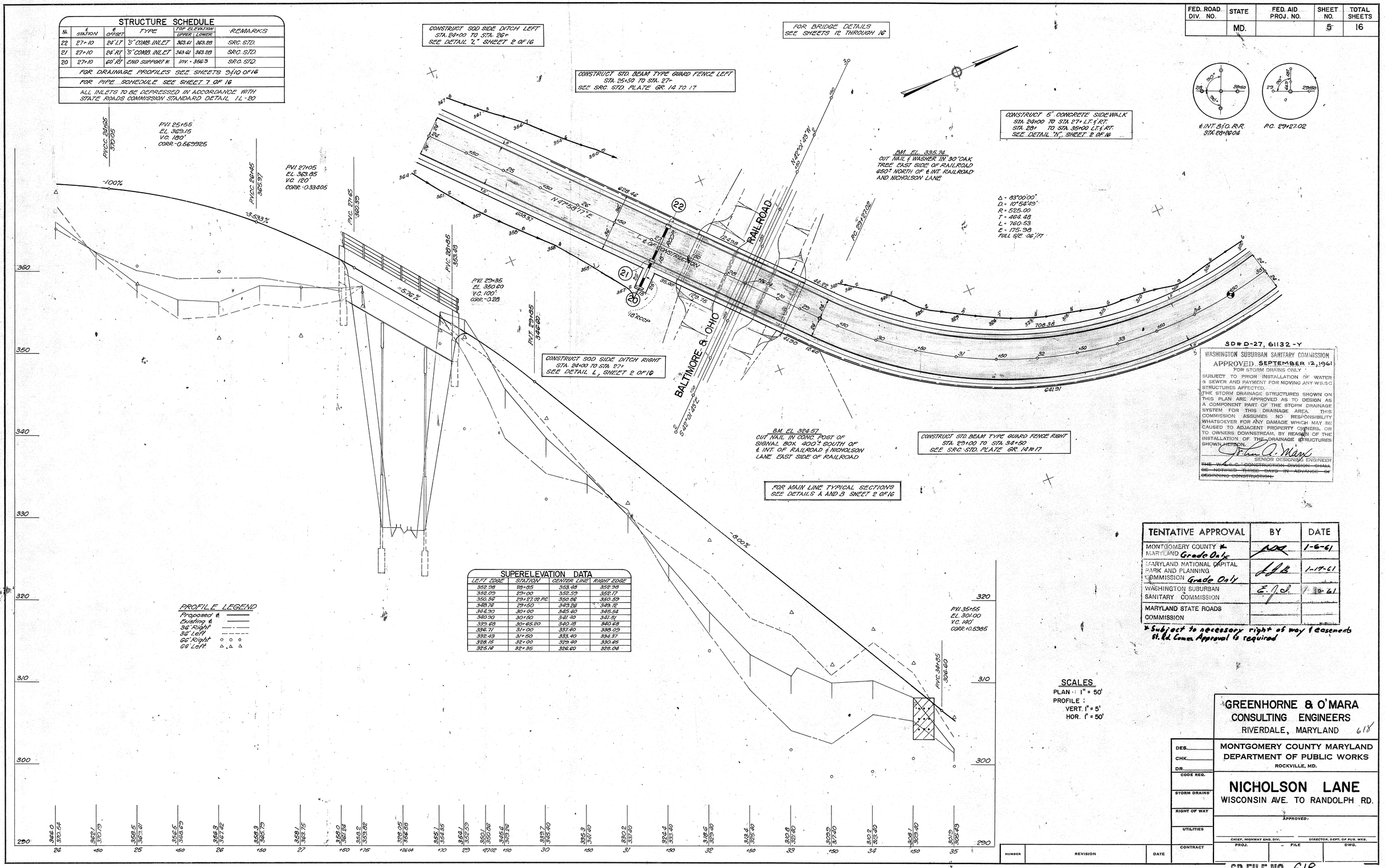
SD FILE NO. 618

Maryland State Archives

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	MD.		5	16

STRUCTURE SCHEDULE

No.	℄ STATION	℄ OFFSET	TYPE	TOP ELEVATION UPPER	TOP ELEVATION LOWER	REMARKS
22	27+10	24' LT	'S' COMB. INLET	363.61	363.28	SRC STD.
21	27+10	24' RT	'S' COMB. INLET	363.61	363.28	SRC STD.
20	27+10	60' RT	END SUPPORT W.	INV. = 356.3		SRC STD.
FOR DRAINAGE PROFILES SEE SHEETS 9 & 10 OF 16						
FOR PIPE SCHEDULE SEE SHEET 7 OF 16						
ALL INLETS TO BE DEPRESSED IN ACCORDANCE WITH STATE ROADS COMMISSION STANDARD DETAIL IL-20						



SUPERELEVATION DATA

LEFT EDGE	STATION	CENTER LINE	RIGHT EDGE
352.98	28+85	353.48	352.98
352.09	29+00	352.59	352.77
350.36	29+27.02 P.C.	350.66	350.59
348.76	29+50	349.26	349.12
344.90	30+00	345.40	345.54
340.90	30+50	341.40	341.51
339.68	30+65.20	340.18	340.68
336.71	31+00	337.40	338.09
332.49	31+50	333.40	334.37
328.15	32+00	329.40	330.65
325.14	32+35	326.60	328.04

SD# D-27, 61132-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED SEPTEMBER 12, 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.~~

TENTATIVE APPROVAL	BY	DATE
MONTGOMERY COUNTY * MARYLAND Grade Only	[illegible]	1-6-61
MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION Grade Only	[illegible]	1-17-61
WASHINGTON SUBURBAN SANITARY COMMISSION	E. J. [illegible]	1-20-61
MARYLAND STATE ROADS COMMISSION		

* Subject to necessary right of way & easements
St. Rd. Comm. Approval is required

SCALES
PLAN : 1" = 50'
PROFILE : VERT. 1" = 5'
HOR. 1" = 50'

GREENHORNE & O'MARA
CONSULTING ENGINEERS
RIVERDALE, MARYLAND 618

DES. ____
CHK. ____
DR. ____
CODE REQ.
STORM DRAINS
RIGHT OF WAY
UTILITIES
CONTRACT

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

NICHOLSON LANE
WISCONSIN AVE. TO RANDOLPH RD.

APPROVED:
CHIEF, HIGHWAY ENG. DIV. — DIRECTOR, DEPT. OF PUB. WKS.
PROJ. — FILE — DWG.

NUMBER	REVISION	DATE

SD FILE NO. 618

CE 487-610-5

Maryland State Archives

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	USG - 1350(1)	7	17

STRUCTURE SCHEDULE

No.	℄ STATION	℄ OFFSET	TYPE	TOP ELEVATION GRATES	TOP ELEVATION COVER	REMARKS
64	PARKLAWN Dr. 54	24 LT	Ex. WSSC B-10 Inlet	339.96	339.86	WSSC STD. ***
62	PARKLAWN Dr. 78	27' RT	S COMB. INLET	340.02	340.02	SRC STD **
61	PARKLAWN 57+38	26' LT	S COMB. INLET	334.64	334.42	SRC. STD.
58	PARKLAWN 57+05	27' RT	18"-54" FIELD CONN.			WSSC STD.
57	PARKLAWN 57+04	28' LT	S COMB. INLET	331.91	331.69	SRC. STD
56	PARKLAWN 56+95	27' RT	18"-54" FIELD CONN.			W.S.S.C. STD
55	56+63	42' RT	S COMB. INLET	329.42	329.18	SRC. STD
54	PARKLAWN 56+85	31' RT	21"-54" FIELD CONN.			W.S.S.C. STD
53	54+40	℄	S COMB. INLET	322.76	322.58	SRC STD
52	54+41	10' RT	18"-54" FIELD CONN.			W.S.S.C. STD.
50	54+35	38.94' RT	S COMB. INLET	321.19	321.01	SRC. STD
49	54+32	15' RT	18"-54" FIELD CONN.			WSSC STD
46	52+40	31.42' RT	S COMB. INLET	316.15	315.97	SRC STD
45	52+40	25' RT	18"-54" FIELD CONN.			WSSC STD
47	52+36	20' RT	18"-54" FIELD CONN.			WSSC STD.
44	50+10	54' LT.	B 64 ENDWALL	INV. 304.1		SRC STD
42	50+10	15' RT	TYPE "B" MANHOLE	310.17		WSSC STD 84" SQUARE
48	50+10	43' RT.	TYPE "C" ENDWALL	INV. 307.1		SRC STD.
43	50+10	24.86' RT	S COMB. INLET	310.31	310.13	SRC STD
41	48+12	24' RT.	S COMB. INLET	308.39	308.27	SRC. STD
40	48+12	27' RT.	18"x72" FIELD CONN.			WSSC STD
63	PARKLAWN Dr. 54	27' RT.	Ex. "B" INLET * RECONST. TOP SLAB	332.68		WSSC STD.

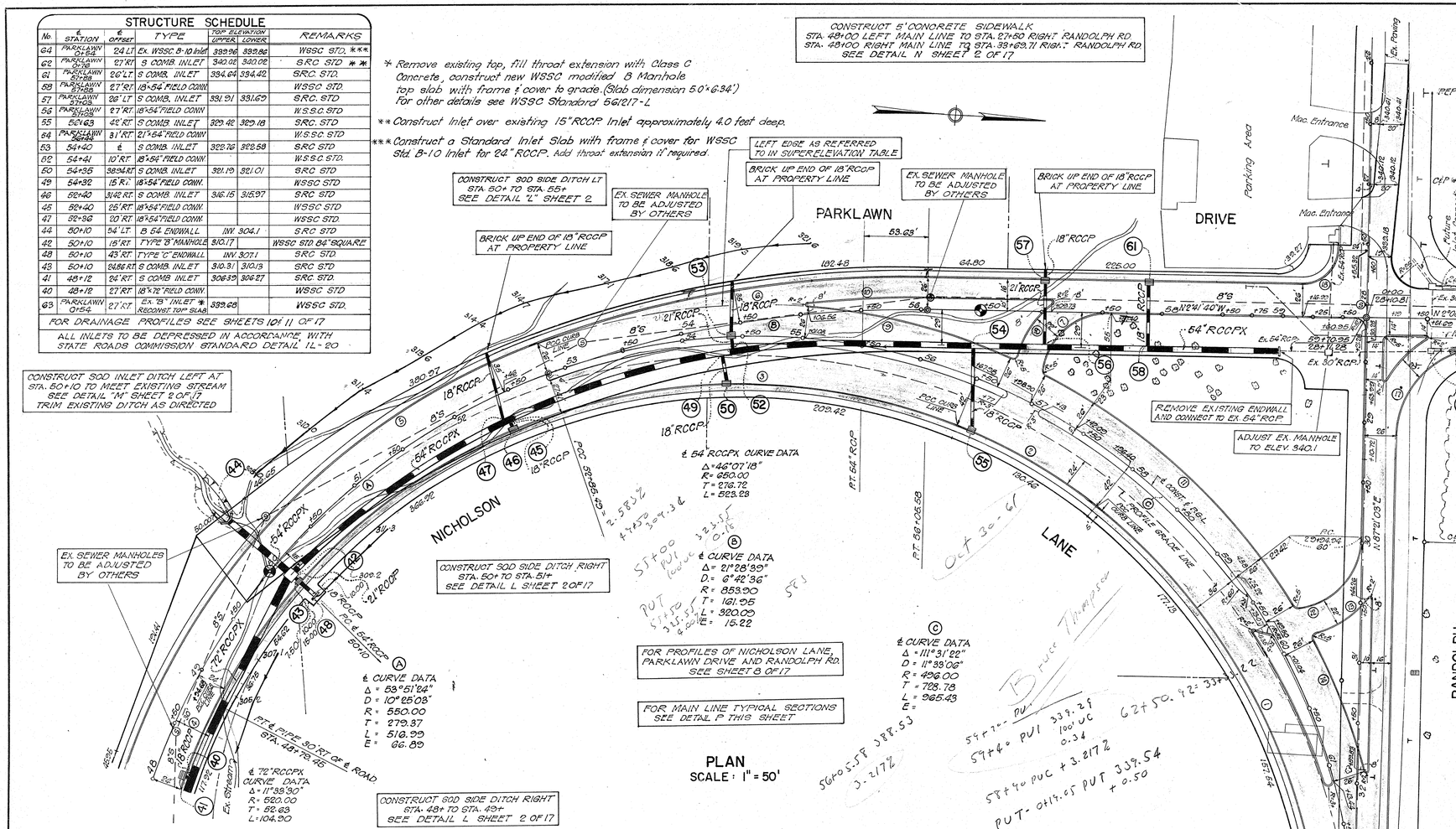
FOR DRAINAGE PROFILES SEE SHEETS 10 & 11 OF 17

ALL INLETS TO BE DEPRESSED IN ACCORDANCE WITH STATE ROADS COMMISSION STANDARD DETAIL 'IL-20'

* Remove existing top, fill throat extension with Class C Concrete, construct new WSSC modified B Manhole top slab with frame & cover to grade. (Slab dimension 5.0'x6.34')
For other details see WSSC Standard 56/217-L

** Construct Inlet over existing 15" RCCP. Inlet approximately 4.0 feet deep.

*** Construct a Standard Inlet Slab with frame & cover for WSSC Std. B-10 Inlet for 24" RCCP. Add throat extension if required.



PLAN
SCALE: 1" = 50'

CURB LINE CURVE DATA.

№	Δ	RADIUS	TANGENT	LENGTH
1	52°30'16"	500.00	248.98	458.15
2	16°54'42"	454.00	67.49	134.00
3	82°49'06"	489.50	451.69	707.55
4	13°08'42"	526.00	60.00	120.68
5	53°51'24"	571.12	290.10	536.84
6	21°28'39"	879.90	166.88	329.83
7	82°18'25"	55.00	48.07	79.01
8	38°32'49"	77.00	28.93	51.80
9	12°16'47"	522.00	88.66	175.85
10	6°38'39"	863.90	50.14	100.18
11	31°15'29"	522.00	146.03	284.78
12	81°10'37"	60.00	51.41	85.01
13	36°58'45"	82.00	27.42	52.92
14	12°59'08"	522.00	59.40	118.29
15	3°37'27"	500.00	15.82	31.63
16	3°37'27"	500.00	15.82	31.63
17	90°30'53"	75.00	75.66	118.48
18	90°02'43"	30.00	30.02	47.15

SUPERELEVATION DATA

LEFT EDGE	STATION	PROFILE G.L.	EDGE OF MEDIAN	RIGHT EDGE
306.17	48+00	305.90		305.45
307.51	48+50	306.98		306.48
308.89	49+00	308.10		307.94
310.40	49+50	309.34		308.93
311.95	50+00	310.63		309.96
313.02	50+34.41	311.52		310.68
313.42	50+50	311.92		310.48
314.74	51+00	313.22		311.78
316.04	51+50	314.51		313.07
317.34	52+00	315.80		314.36
318.64	52+50	317.09		315.65
319.57	52+86.49	318.01	318.03	316.57
319.94	53+00	318.38	318.42	316.94
321.23	53+50	319.67	319.70	318.23
322.53	54+00	320.97	321.14	319.53
323.82	54+50	322.26	322.45	320.82
325.28	55+00	323.72	323.94	322.28
327.11	55+50	325.55	325.77	324.11
329.11	56+00	327.55	327.80	326.11
331.11	56+50	329.55	329.80	328.11
333.11	57+00	331.55	331.80	330.11
335.11	57+50	333.55	333.80	332.11
337.11	58+00	335.55	335.80	334.11
339.11	58+50	337.55	337.80	336.11
340.97	59+00	339.41	339.80	337.97
342.82	59+50	340.86		339.82
343.48	60+00	341.92	341.96	340.48
344.15	60+50	342.57	342.61	341.15
344.33	61+00	343.82	343.86	341.33
344.36	61+24.25	342.79		341.36
344.09	61+50	342.27		341.29
343.82	62+00	342.11		340.86
342.01	62+50.92-33+33.22	341.15		340.00

PIPE SCHEDULE

SIZE	SHEET 1	SHEET 4	SHEET 5	SHEET 2	SHEET 7	TOTAL
18" RCCP	286	29	77	375	329	995
21 RCCP				92	12	104
24" RCCPX	194			3		197
27" RCCPX		58				58
30" RCCPX	231					231
38" RCCPX				20		20
36" RCCPX	289	70				309
42" RCCPX		42				42
48" RCCPX		34				34
54" RCCPX		220			964	1194
72" RCCPX				719	196	915
84" RCCPX				454		454

S.D. # D-27, 61132-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED March 12, 1963
FOR STORM DRAINS ONLY
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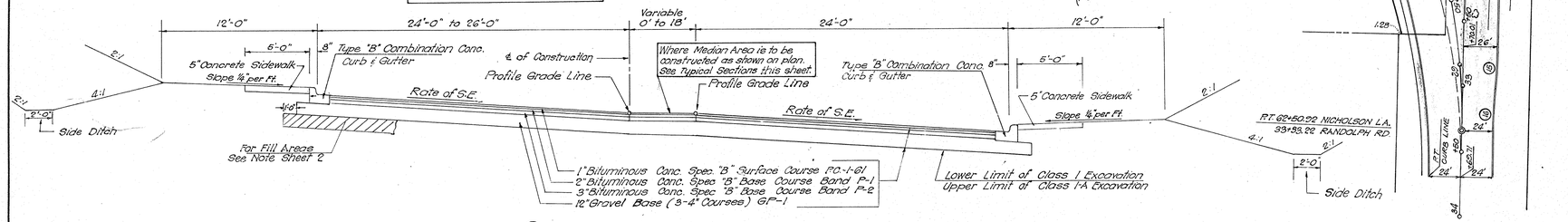
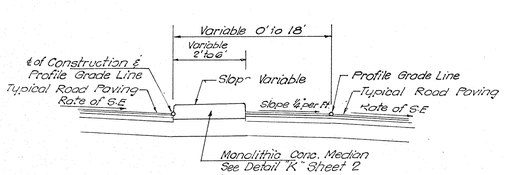
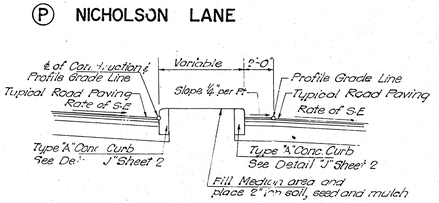
John A. Marx
SENIOR ENGINEER, PUBLIC WORKS



Ⓟ NICHOLSON LANE

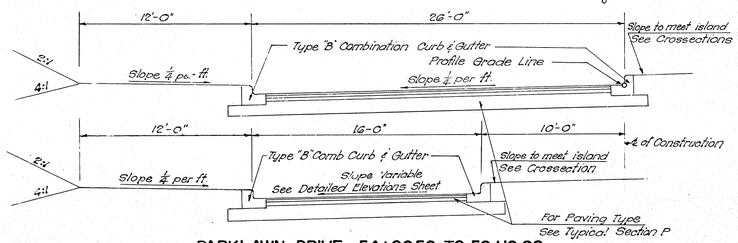




MEDIAN DETAILS

STA. 52+82.49 TO STA. 56+80
STA. 57+10 TO STA. 59+42
NO SCALE

STA. 59+71.07 TO STA. 61+17
NO SCALE



Ⓡ PARKLAWN DRIVE 54+06.56 TO 59+16.99
RANDOLPH ROAD 29+10.72 TO 31+89.83
SCALES: 1" = 5'

GREENHORNE & O'MARA
CONSULTING ENGINEERS
RIVERDALE, MARYLAND 618

DES. ____
CHK. ____
DR. ____
CODE REQ. ____
STORM DRAINS ____
RIGHT OF WAY ____
UTILITIES ____
CONTRACT ____

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

619
NICHOLSON LANE
WISCONSIN AVE. TO RANDOLPH RD.

APPROVED:
CHIEF, HIGHWAY ENG. DIV. ____ DIRECTOR, DEPT. OF PUB. WKS. ____

PROJ.	FILE	DWG.
1209		7 OF 17

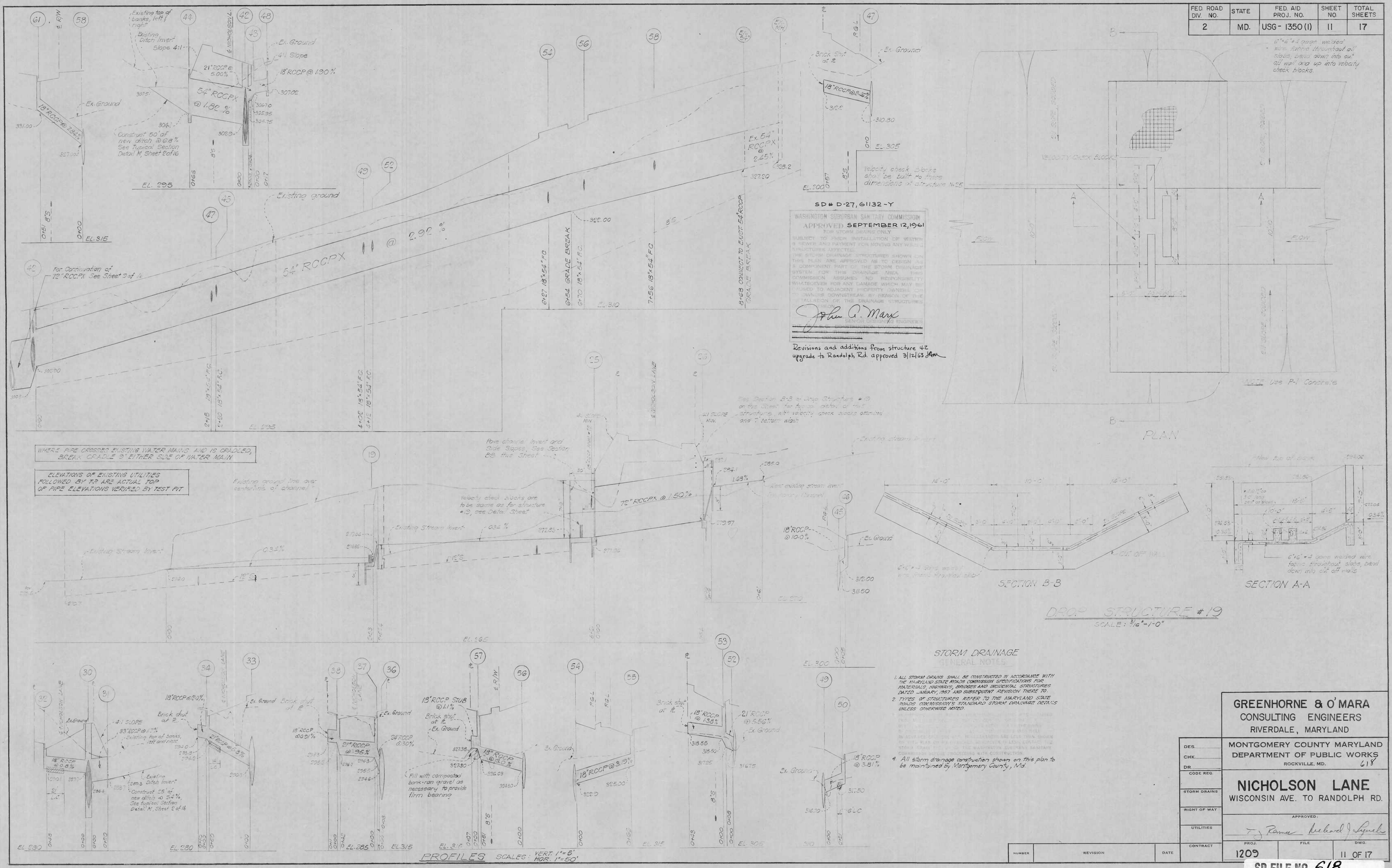
NUMBER	REVISION	DATE

SD FILE NO. 618

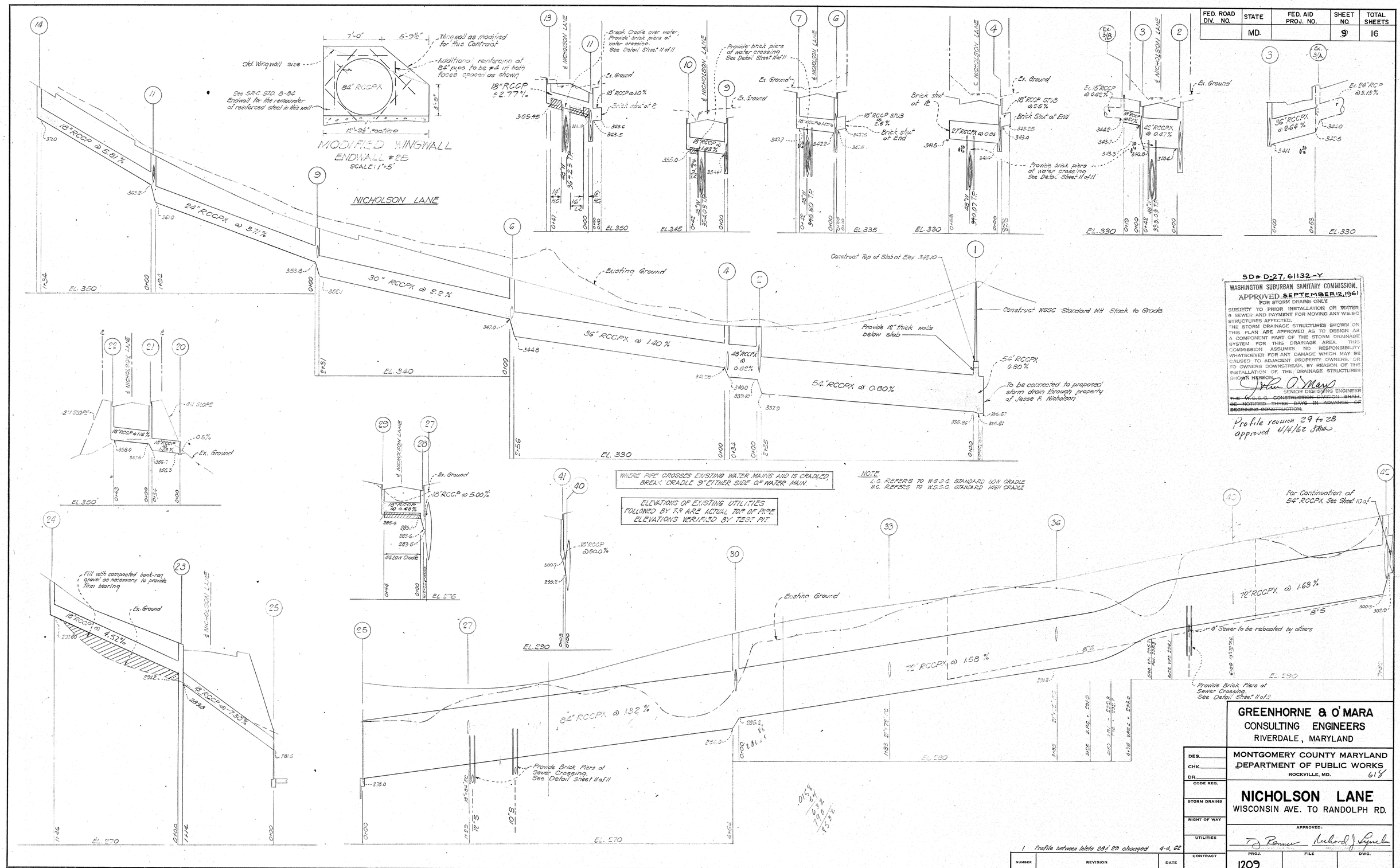
CE487-610-6

Maryland State Archives

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	USG - 1350 (1)	11	17



FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	MD.		9	16



SD# D-27, 61132-Y

WASHINGTON SUBURBAN SANITARY COMMISSION.
APPROVED SEPTEMBER 12, 1961
FOR STORM DRAINS ONLY

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John O. Mays
SENIOR DESIGNING ENGINEER

~~THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.~~

Profile revision 29 to 28 approved 4/4/62 [illegible]

NUMBER	REVISION	DATE
1	Profile between Inlets 28 & 29 changed	4-4, 62

GREENHORNE & O'MARA
CONSULTING ENGINEERS
RIVERDALE, MARYLAND

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD. 618

DES.
CHK.
DR.
CODE REQ.
STORM DRAINS
RIGHT OF WAY
UTILITIES
CONTRACT

NICHOLSON LANE
WISCONSIN AVE. TO RANDOLPH RD.

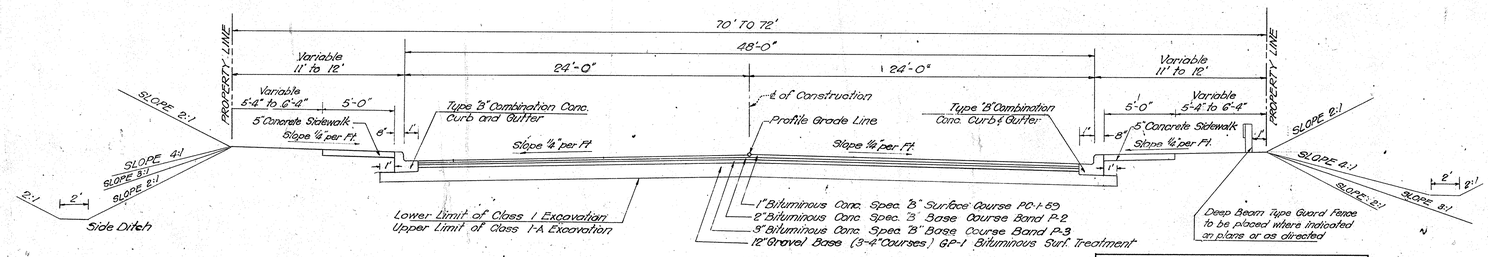
APPROVED:
T. J. Ramer Richard J. Lynch

PROJ. 1209 | FILE | DWG.

CE487-610-8

SD FILE NO. 618

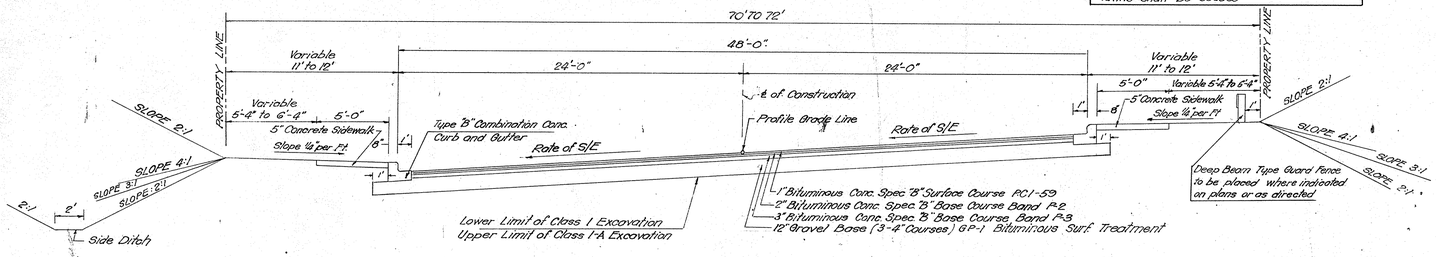
FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	MD.		2	16



Ⓐ NICHOLSON LANE - NORMAL SECTION

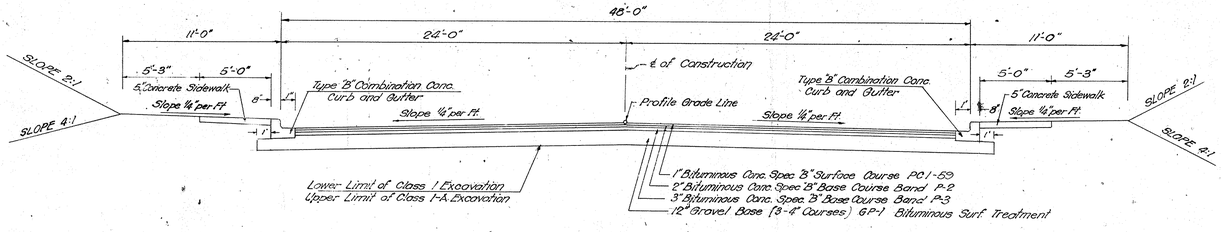
SCALE: 1" = 5'

NOTE:
On all side slope areas outside curb or sidewalk, place 2" top soil with seeding and mulching (Article SG-06) unless otherwise directed by Engineer.
All slope areas abutting established lawns shall be sodded



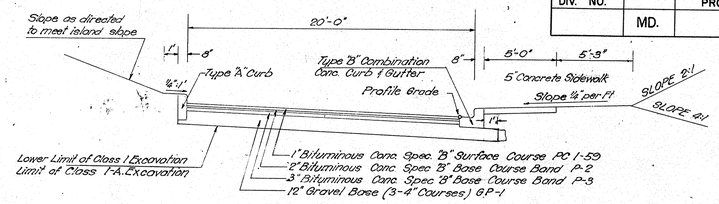
Ⓑ NICHOLSON LANE - SUPERELEVATED SECTION

SCALE: 1" = 5'



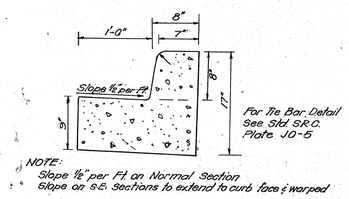
Ⓒ NEBEL STREET
ROAD SPUR AT STA. 36+25

SCALE: 1" = 5'



Ⓖ RIGHT TURN ROADWAY

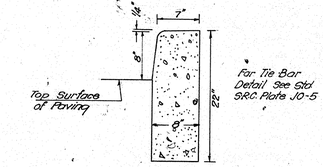
SCALE: 1" = 5'



NOTE:
Slope ¼" per Ft. on Normal Section
Slope on S.E. Sections to extend to curb face & warped

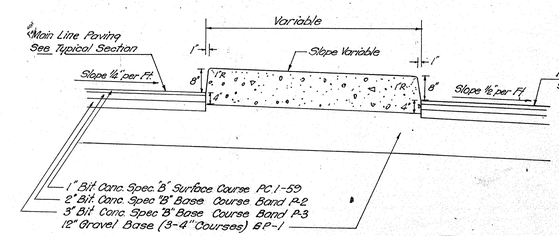
Ⓗ TYPE "B" CONCRETE CURB & GUTTER

NO SCALE



Ⓙ TYPE "A" CONCRETE CURB

NO SCALE

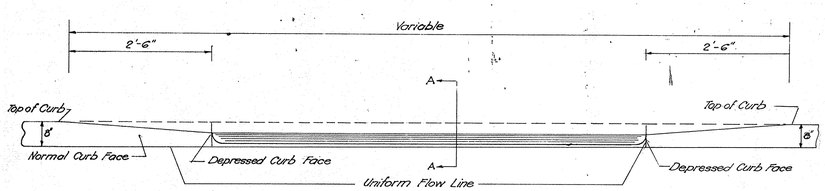


SD # D-27, 61132-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED SEPTEMBER 12, 1961
FOR STORM DRAINS ONLY
SENIOR DESIGNING ENGINEER

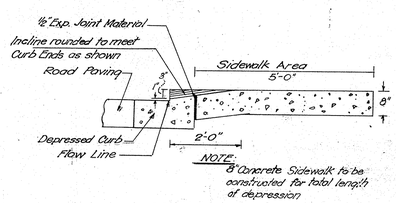
Ⓚ DETAIL OF MONOLITHIC CONC. ISLAND

NO SCALE

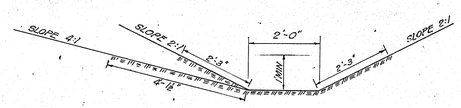


Ⓓ DETAILS OF ENTRANCE CONSTRUCTION

NO SCALE

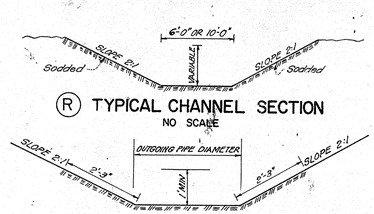


SECTION A-A



Ⓛ SOD SIDE DITCH

SCALE: 1" = 2'

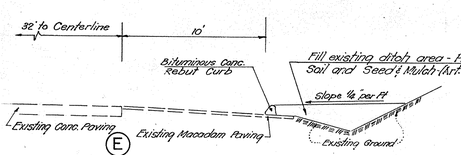


Ⓡ TYPICAL CHANNEL SECTION

NO SCALE

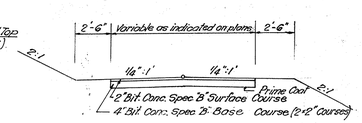
Ⓜ SOD INLET DITCH

SCALE: 1" = 2'



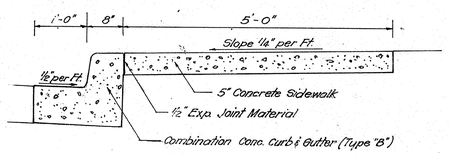
Ⓔ PARTIAL SECTION OF WISCONSIN AVENUE
STA. 358+92.40 TO STA. 363+20 RT.

SCALE: 1" = 5'



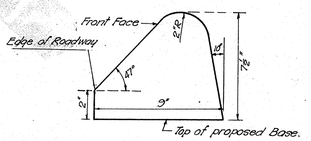
Ⓕ TYPICAL SECTION FLEXIBLE ENTRANCES

NO SCALE



Ⓝ SIDEWALK SECTION

SCALE: ¾" = 1'



Ⓟ BITUMINOUS CONC. REBUT

NO SCALE

GREENHORNE & O'MARA
CONSULTING ENGINEERS
RIVERDALE, MARYLAND 618

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

NICHOLSON LANE
WISCONSIN AVE. TO. RANDOLPH RD.

DES. ____
CHK. ____
DR. ____
CODE REQ.
STORM DRAINS
RIGHT OF WAY
UTILITIES
CONTRACT

APPROVED:
CHIEF, HIGHWAY ENG. DIV. — DIRECTOR, DEPT. OF PUB. WKS.

NUMBER	REVISION	DATE

PROJ.	FILE	DWG.

CE487-610-9

SD FILE NO. 618

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