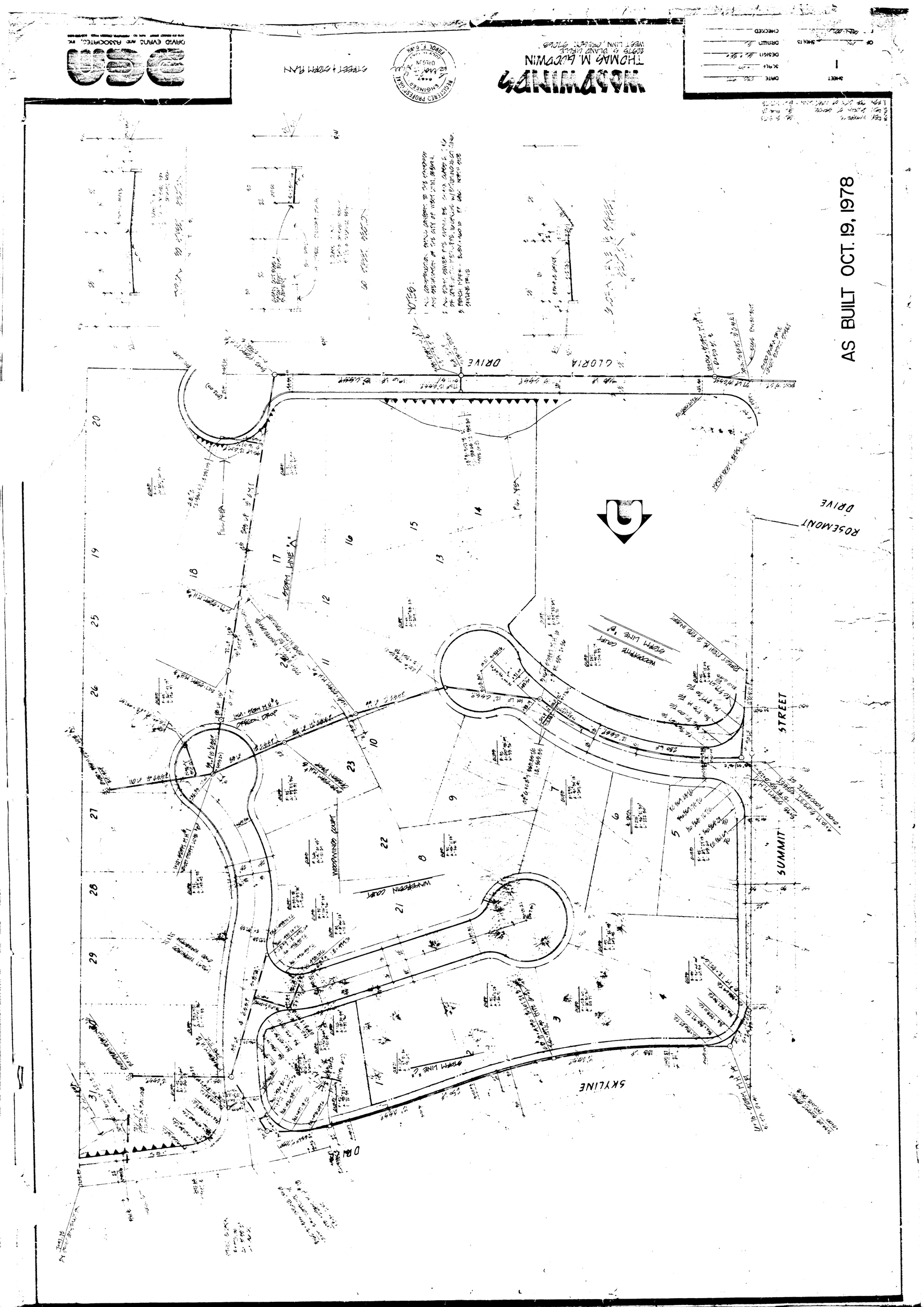
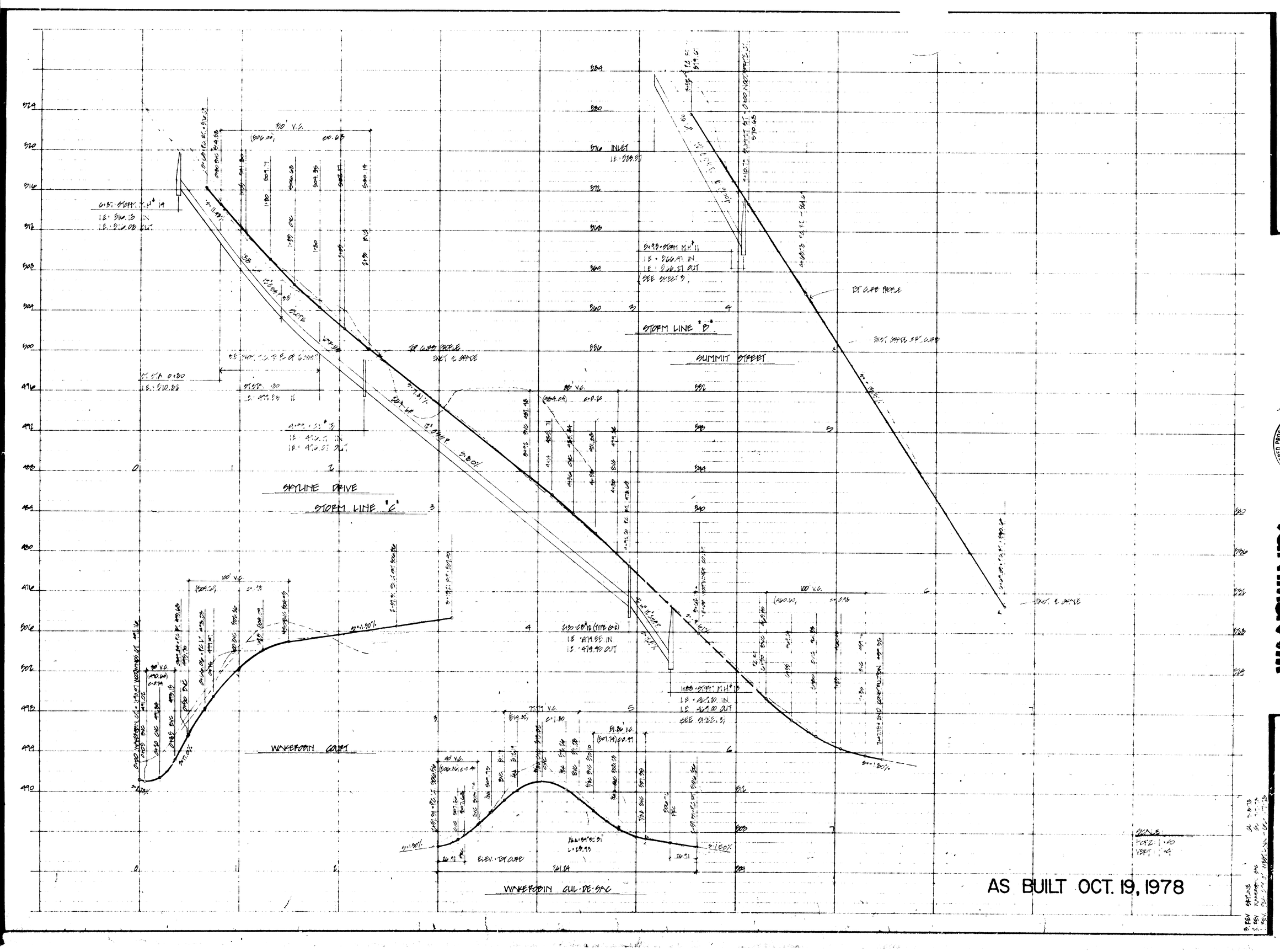


AS BUILT OCT. 19, 1978
WOODWINDS
THOMAS M. GOODWIN
DAVID EVANS AND ASSOCIATES, INC.
STREET & STORM PLAN
GLORIA DRIVE
ROSEMONT DRIVE
SUMMIT STREET
SKYLINE DRIVE
WOODWINDS COURT
WAVERPOINT COURT
STORM LINE "A"
STORM LINE "B"
STORM LINE "C"
FILL AREA



AS BUILT OCT. 19, 1978

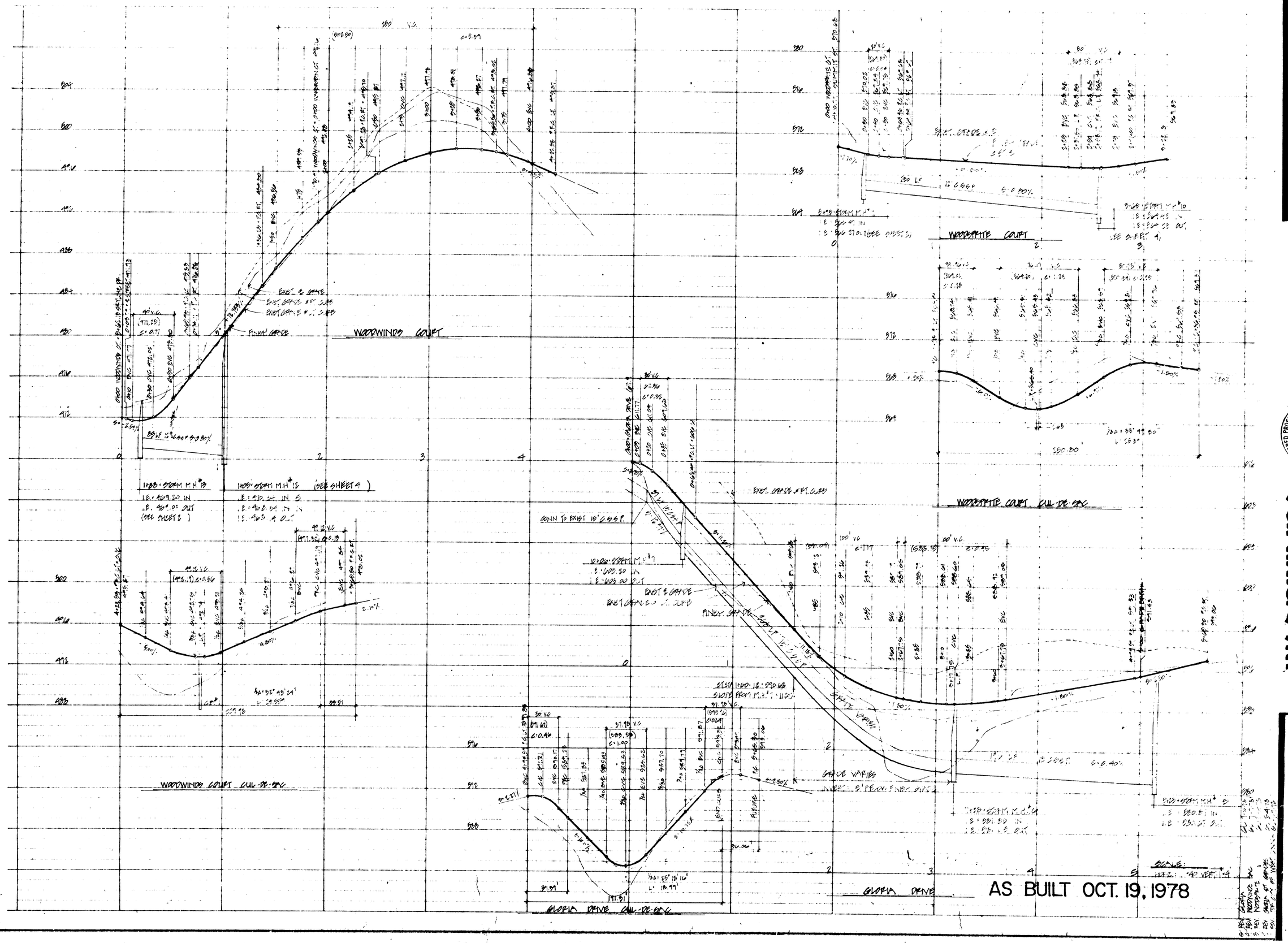
DAVID EVANS AND ASSOCIATES, INC.

STREET & STORM PROFILE

REGISTERED PROFESSIONAL ENGINEER
OREGON

WOODWINDS
THOMAS M. GOODWIN
CLOTS 5 BLAND CIRCLE
WEST LINN, OREGON 97068

SHEET	2
DATE	
SCALE	
DESIGN	
DRAWN	
CHECKED	
SHEETS	
OF	
FILE	



DAVID EVANS AND ASSOCIATES, INC.

STREET & STORM PROFILE

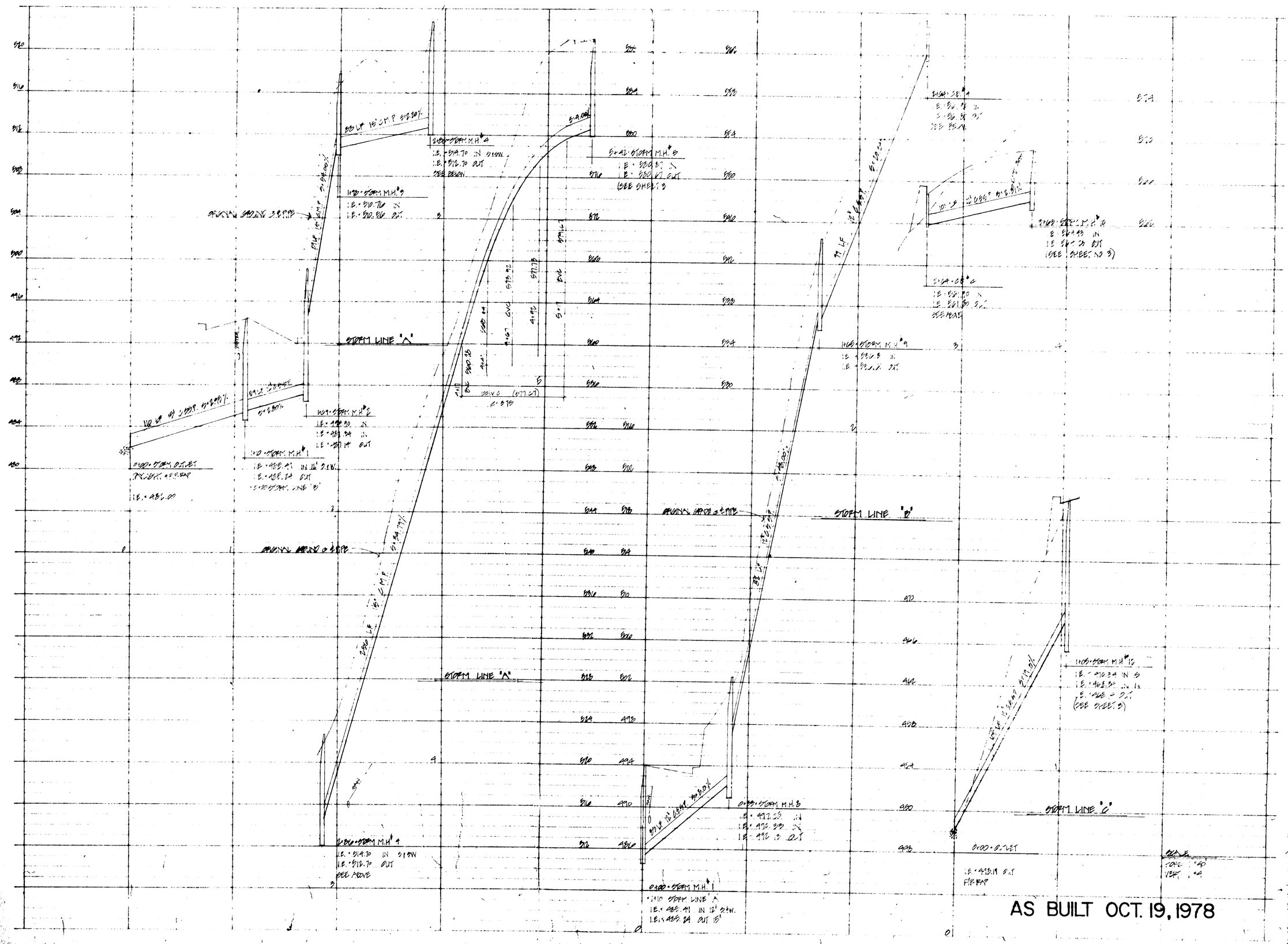
REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 11, 1978
ERROL F. CRAIG

WOODWINDS

THOMAS M. GOODWIN
WEST LINN, OREGON 97068

SHEET 3 OF SHEETS

DATE
SCALE
DESIGN
DRAWN
CHECKED
FILE



AS BUILT OCT. 19, 1978

DAVID EVANS AND ASSOCIATES, INC.

STORM SEWER PROFILE

WOODWINDS

THOMAS M. GOODWIN
22975 S. BLAND CIRCLE
WEST LINN, OREGON 97068

REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 11, 1978
ERROL F. GARN

SHEET 4

OF ___ SHEETS

FILE GNN.001

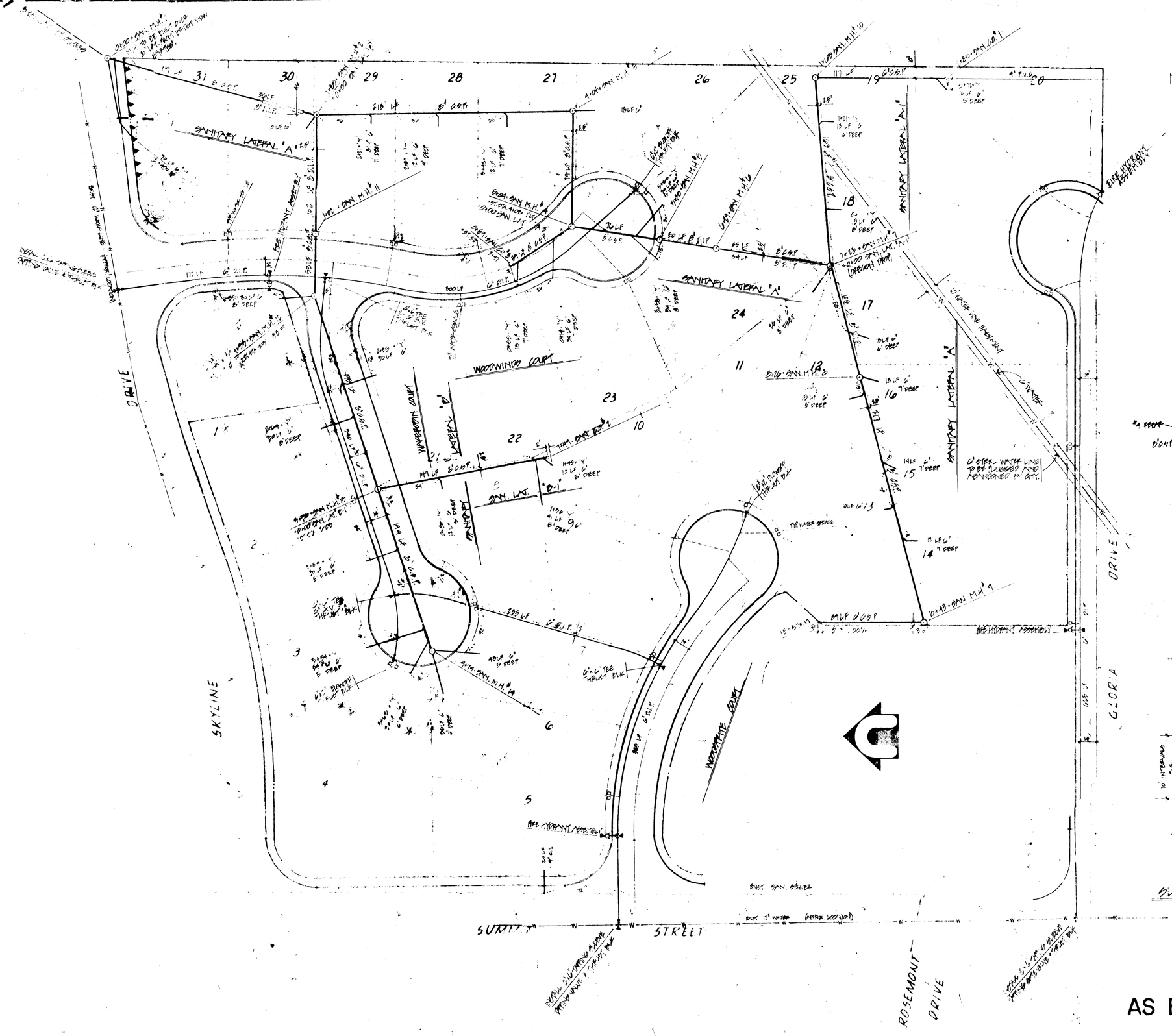
DATE

SCALE

DESIGN

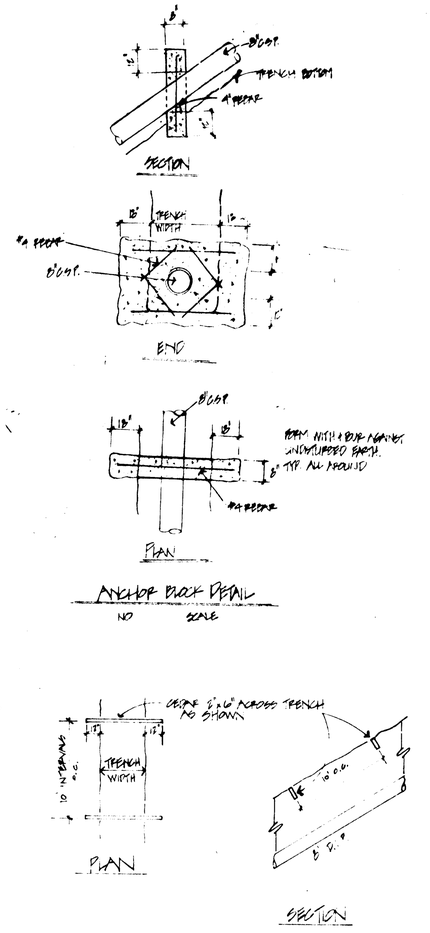
DRAWN

CHECKED



NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE STANDARDS & SPECIFICATIONS OF THE CITY OF WEST LINN, OREGON
2. ALL SANITARY SEWER PIPE SHALL BE C-14-X BELL & SPIGOT W/RUBBER GASKETS OF DUCTILE IRON PIPE CL.50, TYTON JOINT
3. ALL SANITARY HOUSE LATERALS SHALL BE MARKED BY PLACING A 2"x4" AT THE PLUG AND BRINGING THE 2"x4" UP A MINIMUM OF TWO FEET ABOVE GRADE.
4. WATER LINE PIPE SHALL BE DUCTILE IRON PIPE, CLASS 52, TYTON JOINT.
5. WATER SERVICES SHALL BE 1" COPPER WITH COMPRESSION FITTINGS AND 'Y' BRANCH, AND SHALL INCLUDE METER BOXES INSTALLED PARALLEL TO CURB AND ALL NECESSARY APPURTENANCES



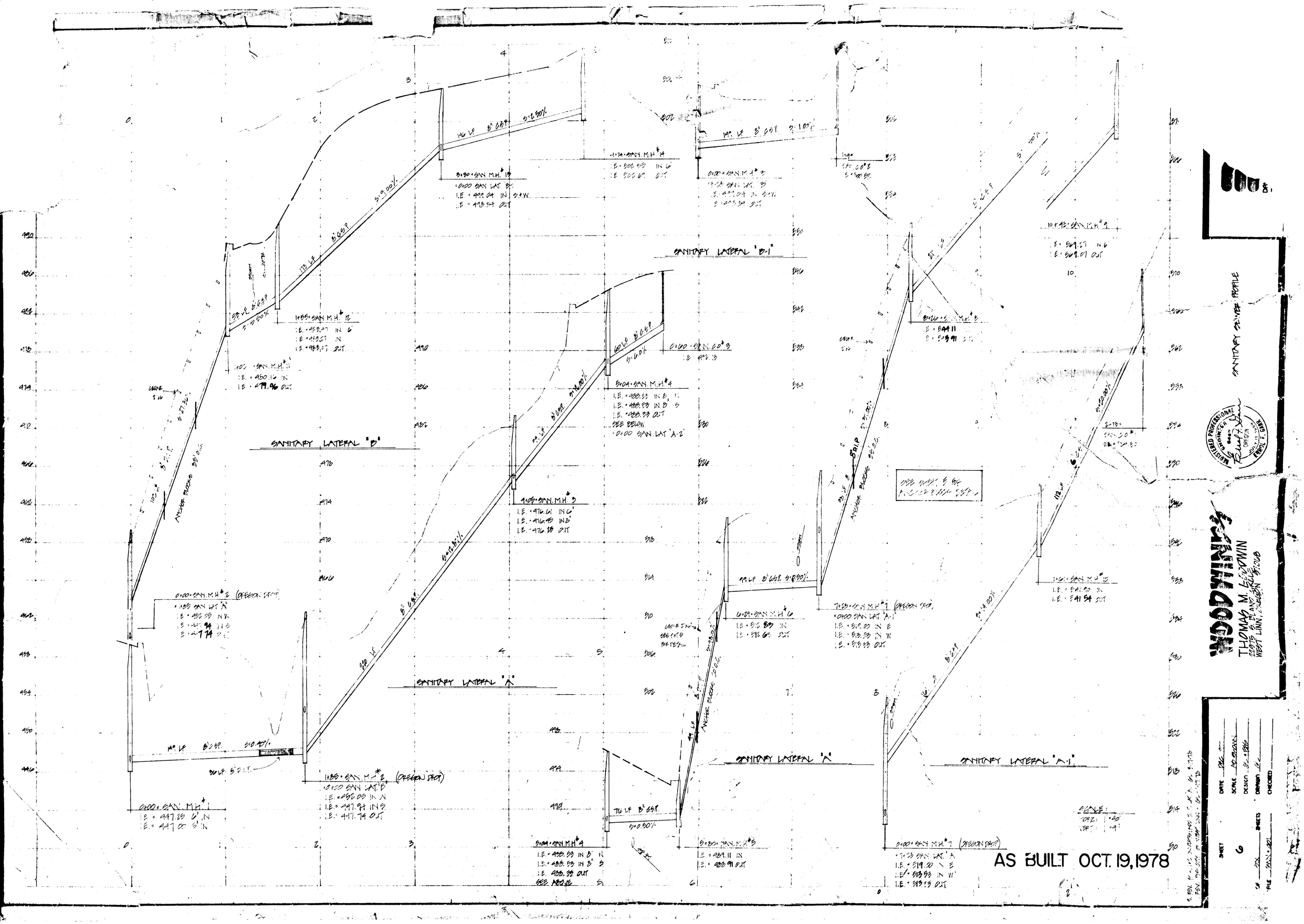
AS BUILT OCT. 19, 1978

SANITARY & WATER PLAN

REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 11, 1980
ERROL F. GARR

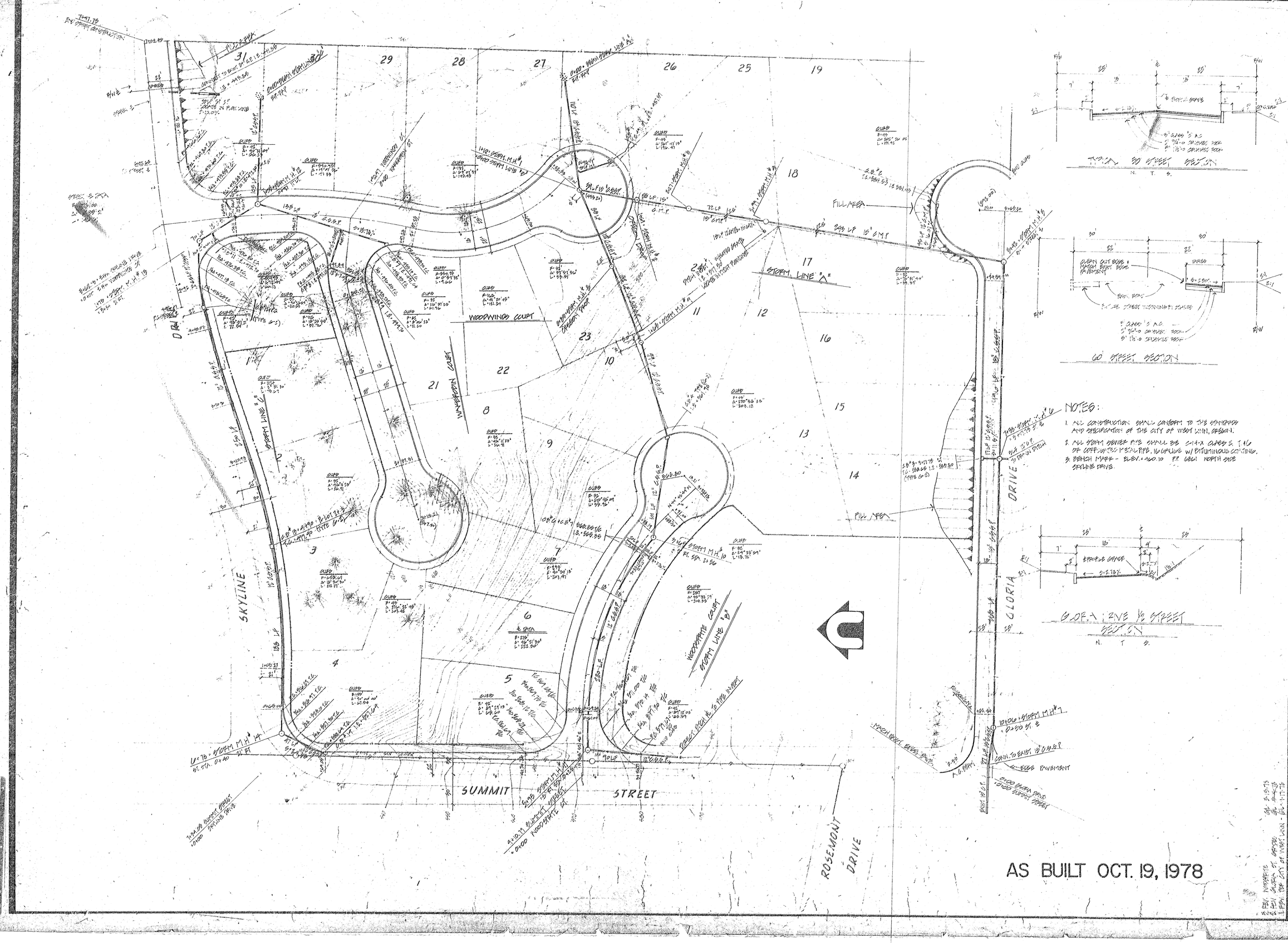
WOODWINDS
THOMAS M. GOODWIN
MISTS S. BLAND CIRCLE
WEST LINN, OREGON 97068

SHEET	5
OF	5
FILE	SAN-001
DATE	
SCALE	1"=40'
DESIGN	
DRAWN	
CHECKED	


SANITARY LATERAL "B"
SANITARY LATERAL "B-1"
SANITARY LATERAL "A"
SANITARY LATERAL "A-1"
SANITARY SEWER PROFILE
WOODWINDS
THOMAS M. LEDOWIN
22975 S. BLANC STREET
WEST LINN, OREGON 97068
REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 11, 1978
ERROL F. GARR
AS BUILT OCT. 19, 1978
SHEET 6
DATE
SCALE
DESIGN
DRAWN
CHECKED
SHEETS

Second Scan

This As-Built was scanned twice due to illegibility issues of the original scan.



NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATION OF THE CITY OF WEST LINN, OREGON.
2. ALL STORM SEWER PIPE SHALL BE C-14-X CLASS 2, T-16 OR CORRUGATED METAL PIPE, 16 GAUGE W/ BITUMINOUS COATING.
3. BENCH MARK - ELEV. = 460.10 P.P. 6861 NORTH SIDE SKYLINE DRIVE.

AS BUILT OCT. 19, 1978

WOODWINDS

THOMAS M. GOODWIN
2975 S. BLAND CIRCLE
WEST LINN, OREGON 97068

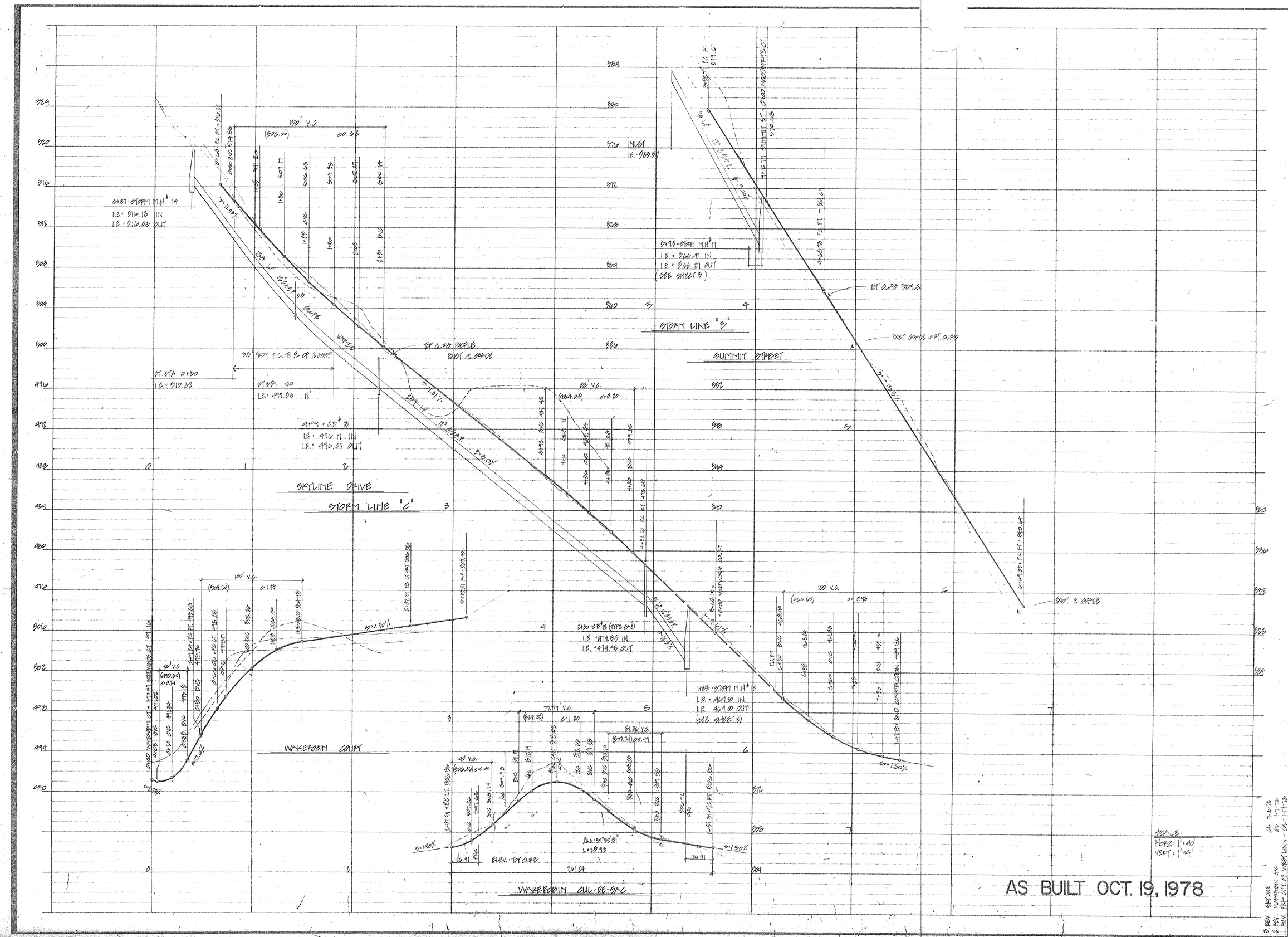
DAVID EVANS AND ASSOCIATES, INC.

REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 11, 1968
ERROL F. GARR

STREET + STORM PLAN

SHEET 1 OF ___ SHEETS

DATE DEC. 1977
SCALE 1" = 50'
DESIGN GL + EEG
DRAWN GL
CHECKED



AS BUILT OCT. 19, 1978

DEN
DAVID EVANS AND ASSOCIATES, INC.
1700 SW 4th AVENUE · PORTLAND, OREGON 97201 · 503/223-6663

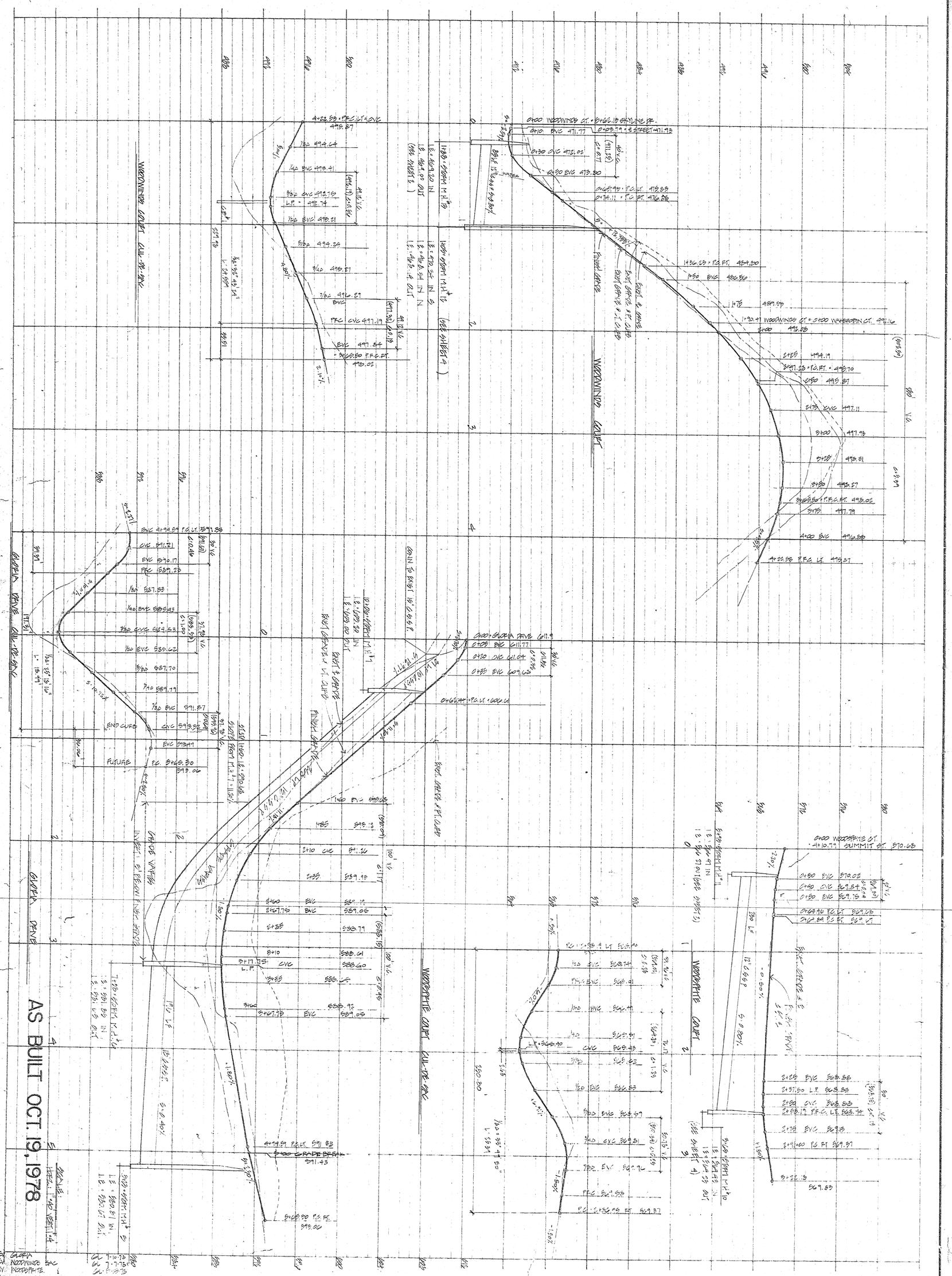
STREET & STORM PROFILE

REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 11, 1978
ERROL F. CARR

WOODWINDS
THOMAS M. GOODWIN
22975 S. BLAND CIRCLE
WEST LINN, OREGON 97068

DATE	DEC. 1977
SCALE	AS SHOWN
DESIGN	GL & ELG
DRAWN	GL
CHECKED	
SHEET	2
OF	SHEETS
FILE	DWN. 00

3. REV. SKYLINE GL 7-8-78
2. REV. WAKEROBIN SAC GL 7-7-78
1. REV. PER CITY OF WEST LINN - GL - 1-17-78



5. REV. GLORIA	GL	9-10-78
4. REV. WOODWINDS SAC	GL	7-7-78
3. REV. WOODSPRITE	GL	5-8-78
2. REV. GLORIA ST GRADES	GL	5-4-78
1. REV. PER CITY OF WEST LINN	GL	1-17-78

SHEET 3 OF SIX SHEETS

FILE GWN-001

DATE DEC. 1977
SCALE AS SHOWN
DESIGN GL
DRAWN GL
CHECKED

WOODWINDS

THOMAS M. GOODWIN
22975 S. BLAND CIRCLE
WEST LINN, OREGON 97068

REGISTERED PROFESSIONAL ENGINEER 6467 Errol F. Gark OREGON JULY 13, 1969 ERROL F. GARK

STREET & STORM PROFILE

DEA
DAVID EVANS AND ASSOCIATES, INC.
200 SW MARKET STREET · SUITE 1 · PORTLAND, OREGON 97201 · 503/223-6663

STORM SEWER PROFILE

DAVID EVANS AND ASSOCIATES, INC.
2100 SW 4th AVENUE, PORTLAND, OREGON 97201 | 503/223-6663

WOODWINDS
THOMAS M. GODDWIN
30275 S. BRAND CIRCLE
WEST LINN, OREGON 97068

REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 11, 1978
ERROL F. GRAHN

AS BUILT OCT. 19, 1978

STORM LINE "A"

0+00 · STORM OUTLET
TAYLOR PIPE
I.E. · 486.00

110 LF 15" @ 0.5%

1+10 · STORM M.H. #1
I.E. · 486.99 IN 12" S.W.
I.E. · 486.54 OUT
· 0+00 STORM LINE "B"

89 LF 15" @ 0.5%

ORIGINAL GROUND & PIPE

1+99 · STORM M.H. #2
I.E. · 491.90 IN
I.E. · 491.34 IN
I.E. · 491.14 OUT

2+88 · STORM M.H. #3
I.E. · 510.76 IN
I.E. · 510.66 OUT

ORIGINAL GROUND & PIPE

280 LF 18" @ 1.5% M.P.

3+68 · STORM M.H. #4
I.E. · 514.70 IN 21" DIA
I.E. · 512.70 OUT
SEE ABOVE

88 LF 15" @ 0.5%

4+12 · STORM M.H. #5
I.E. · 520.57 IN
I.E. · 520.47 OUT
(SEE SHEET 3)

5+00

STORM LINE "B"

1+69 · STORM M.H. #9
I.E. · 536.81 IN
I.E. · 536.61 OUT

79 LF 12" @ 0.5%

2+04 · C.B. #4
I.E. · 561.20 IN
I.E. · 561.00 OUT
SEE ABOVE

101.3 LF 12" DIA @ 0.5% M.P.

2+69 · STORM M.H. #10
I.E. · 564.93 IN
I.E. · 564.73 OUT
(SEE SHEET NO. 3)

STORM LINE "A"

4+60 · STORM M.H. #7
I.E. · 514.70 IN 21" DIA
I.E. · 512.70 OUT
SEE ABOVE

ORIGINAL GROUND & PIPE

280 LF 18" @ 1.5% M.P.

0+00 · STORM M.H. #8
I.E. · 497.22 IN
I.E. · 496.99 IN
I.E. · 496.12 OUT

1+10 STORM LINE "A"
I.E. · 485.41 IN 12" S.W.
I.E. · 485.24 OUT 15"

0+00 · STORM M.H. #1

STORM LINE "C"

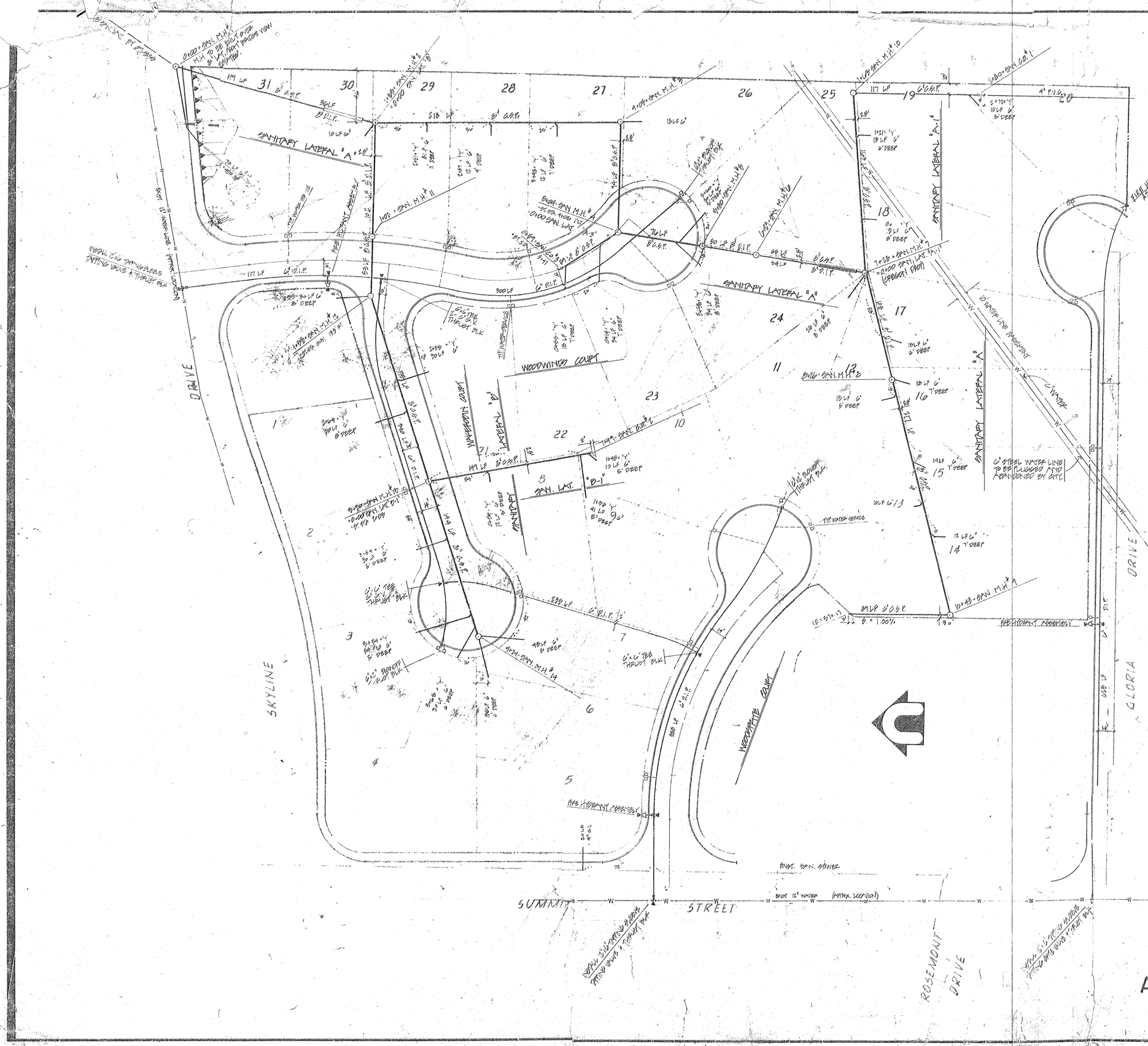
1+05 · STORM M.H. #15
I.E. · 470.24 IN S
I.E. · 469.32 IN N
I.E. · 468.12 OUT
(SEE SHEET 3)

0+00 · OUTLET
I.E. · 468.19 OUT
PIPE BAP

SCALE
HORZ. 1"=50'
VERT. 1"=5'

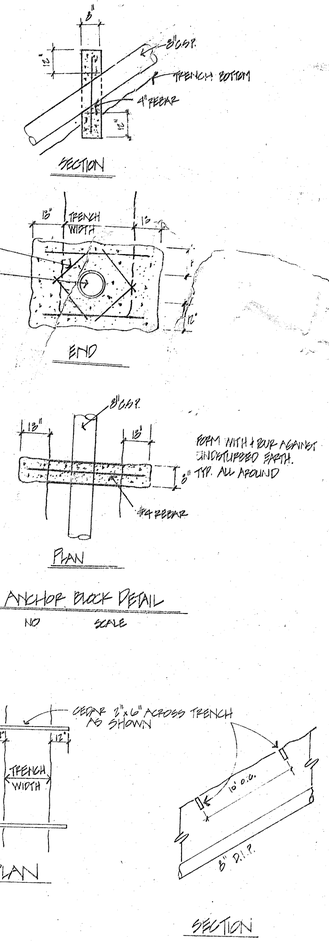
SHEET 4 OF ___ SHEETS
DATE OCT. 1978
SCALE AS SHOWN
DESIGN EG
DRAWN EG

4 REV. STORM GRADES (WOODBRIDGE) EG 5-12-78
3 REV. PER CITY OF WEST LINN - EG 11-17-78



NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE STANDARDS & SPECIFICATIONS OF THE CITY OF WEST LINN, OREGON
2. ALL SANITARY SEWER PIPE SHALL BE C-14-X BELL & SPIGOT W/RUBBER GASKETS OR DUCTILE IRON PIPE, CL.50, TYTON JOINT.
3. ALL SANITARY HOUSE LATERALS SHALL BE MARKED BY PLACING A 2"x4" AT THE PLUG AND BRINGING THE 2"x4" UP A MINIMUM OF TWO FEET ABOVE GRADE.
4. WATER LINE PIPE SHALL BE DUCTILE IRON PIPE, CLASS 52, TYTON JOINT.
5. WATER SERVICES SHALL BE 1" COPPER WITH COMPRESSION FITTINGS AND 'Y' BRANCH, AND SHALL INCLUDE METER BOXES INSTALLED PARALLEL TO CURB AND ALL NECESSARY APPURTENACES



SLOPE PROTECTION DETAIL

(FOR SECTIONS WITH ANCHOR BLOCKS ONLY)

N.T.S.

AS BUILT OCT. 19, 1978

SANITARY & WATER PLAN

REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 11, 1969
ERNOL F. GARR

WOODWINDS
THOMAS M. GOODWIN
2205 S. BLAND CIRCLE
WEST LINN, OREGON 97068

SHEET	5
OF	7
FILE	SWN-201
DATE	DEC 1971
SCALE	1"=20'
DESIGN	GL & BKG
DRAWN	GL
CHECKED	

3. REV. SAN. LAT. 'A' ADD D.I.P. - GL 3-17-73
2. REV. PER CITY OF WEST LINN - EG 1-28-78
1. REV. PER CITY OF WEST LINN - GL 1-17-73

SANITARY LATERAL "B"

0+00 • SAN. M.H. # 1
I.E. = 447.39 6" IN
I.E. = 447.00 8" IN

149 LF 8" S.P. S=0.40%

0+00 • SAN. M.H. # 2 (DROP MANHOLE)
= 1+88 SAN LAT "A"
I.E. = 452.05 IN W
I.E. = 447.94 IN S
I.E. = 447.74 OUT

36 LF 8" D.I.P.

1+88 • SAN. M.H. # 2 (DROP MANHOLE)
= 0+00 SAN LAT "B"
I.E. = 452.05 IN W
I.E. = 447.94 IN S
I.E. = 447.74 OUT

130 LF 8" D.I.P. S=9.00%

2+68 • SAN. M.H. # 11
I.E. = 480.16 IN
I.E. = 479.96 OUT

SEWER 8" VCP

178 LF 8" D.I.P. S=9.00%

3+80 • SAN. M.H. # 12
I.E. = 483.97 IN 6"
I.E. = 483.87 IN
I.E. = 483.07 OUT

196 LF 8" D.I.P. S=6.50%

4+76 • SAN. M.H. # 13
= 0+00 SAN LAT "B-1"
I.E. = 499.04 IN S-W
I.E. = 498.84 OUT

SANITARY LATERAL "A"

99 LF 8" D.I.P. S=10.51%

4+09 • SAN. M.H. # 3
I.E. = 476.61 IN 6"
I.E. = 476.49 IN 8"
I.E. = 476.29 OUT

SANITARY LATERAL "B-1"

60 LF 8" D.I.P. S=6.01%

5+04 • SAN. M.H. # 4
I.E. = 488.53 IN 8" N
I.E. = 488.33 IN 8" S
I.E. = 488.33 OUT
SEE BELOW
= 0+00 SAN. LAT "A-2"

0+00 • SAN. M.H. # 5
I.E. = 499.13

141 LF 8" S.P. S=1.00%

5+80 • SAN. M.H. # 5
I.E. = 489.11 IN
I.E. = 488.91 OUT

99 LF 8" D.I.P. S=2.30%

6+39 • SAN. M.H. # 6
I.E. = 512.89 IN
I.E. = 512.69 OUT

CENTER 5'W
SEE SHT 5 FOR DETAIL

49 LF ANCHOR PLUGS 50 O.C.

7+88 • SAN. M.H. # 7 (DROP MANHOLE)
= 0+00 SAN. LAT. "A-1"
I.E. = 519.00 IN E
I.E. = 513.33 IN W
I.E. = 513.33 OUT

76 LF 8" D.I.P. S=0.30%

5+29 • SAN. M.H. # 4
I.E. = 488.33 IN 8" N
I.E. = 488.33 IN 8" S
I.E. = 488.33 OUT

SANITARY LATERAL "A"

SANITARY LATERAL "A-1"

CENTER 5'W

ANCHOR PLUGS 50 O.C.

8" D.I.P.

SEE SHEET 5 FOR ANCHOR PLUG DETAIL

10+43 • SAN. M.H. # 9
I.E. = 569.27 IN 6"
I.E. = 569.07 OUT

10+26 • SAN. M.H. # 8
I.E. = 544.11
I.E. = 543.91 OUT

2+75 •
541.00
I.E. = 524.33

1+61 • SAN. M.H. # 10
I.E. = 541.90 IN
I.E. = 541.54 OUT

0+00 • SAN. M.H. # 7 (DROP MANHOLE)
= 7+88 SAN. LAT. "A"
I.E. = 519.00 IN E
I.E. = 513.33 IN W
I.E. = 513.33 OUT

SCALE:
HORZ: 1"=40'
VERT: 1"=4'

AS BUILT OCT. 19, 1978