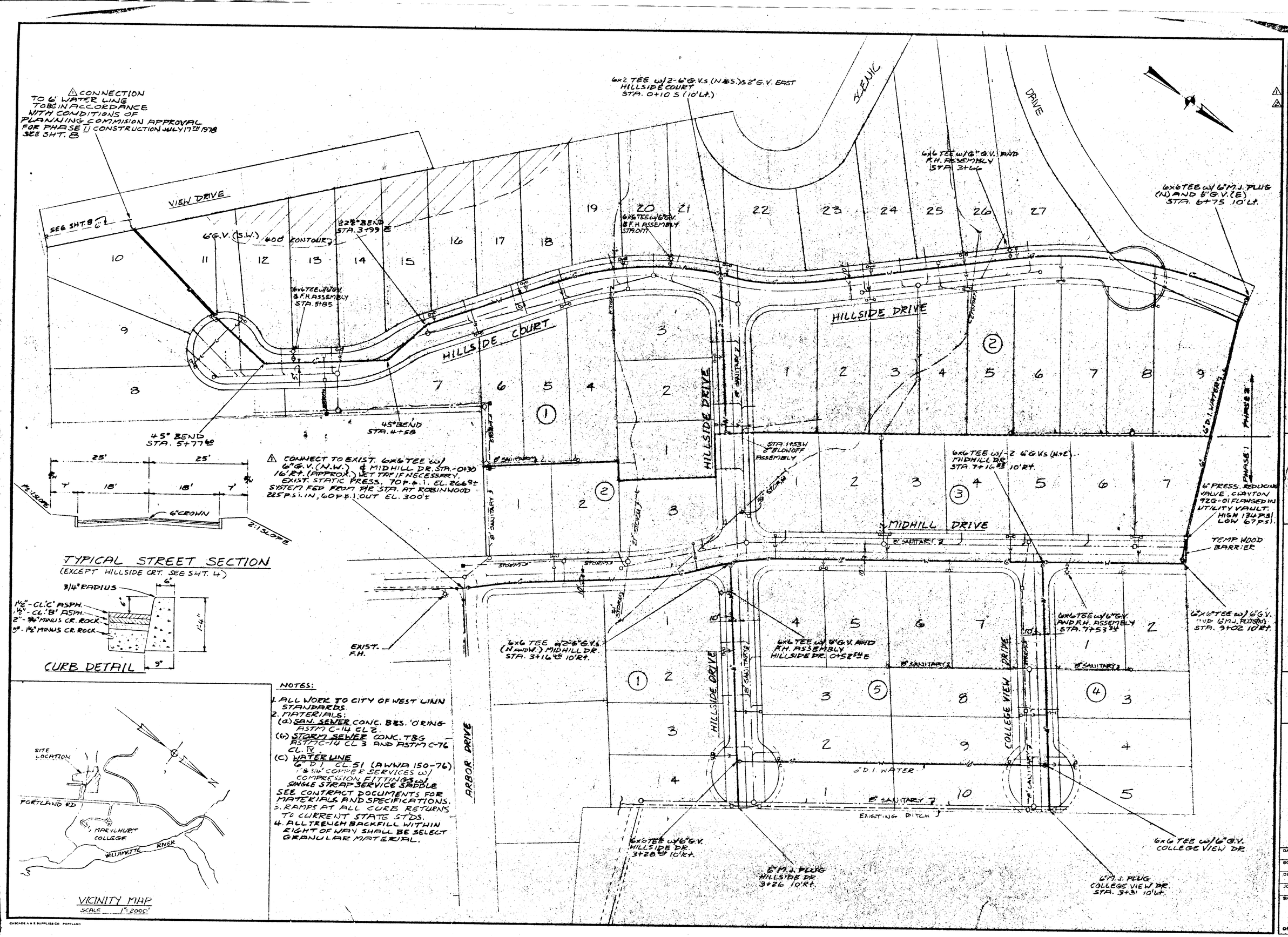


NOTES:

1. ALL WORK TO CITY OF WEST LINN STANDARDS.
2. MATERIALS:
   (a) SAN. SEWER CONC. B&S. 'O' RING ASTM C-14 CL 2.
   (b) STORM SEWER CONC. T&G ASTM C-14 CL 3 AND ASTM C-76 CL. IV.
   (c) WATER LINE 6" D.I. CL. 51 (AWWA 150-76) 1" & 3/4" COPPER SERVICES w/ COMPRESSION FITTINGS w/ SINGLE STRAP SERVICE SADDLE
   SEE CONTRACT DOCUMENTS FOR MATERIALS AND SPECIFICATIONS.
3. RAMPS AT ALL CURB RETURNS TO CURRENT STATE STDS.
4. ALL TRENCH BACKFILL WITHIN RIGHT OF WAY SHALL BE SELECT GRANULAR MATERIAL.

REVISIONS	
CITY REQU'MTS 9-18-78	J.M.
CITY REQU'MTS 10-3-78	J.M.
CITY REQU'MTS 11-30-78	J.M.
WATER NOTE 7-30-78	J.M.
CITY REQU'MTS 8-20-79	J.M.

THE MASTER'S COMPANY
COLLEGE HILL ESTATES
WEST LINN, OREGON

REGISTERED PROFESSIONAL ENGINEER OREGON ROWALD G. TATONE

ZAROSINSKI-TATONE ENGINEERS, INC.
3737 S.E. 8TH AVENUE, PORTLAND, OREGON 97202
PHONE: (503) 235-8795

WATER DISTRIBUTION PLAN

DATE	9TH MAY '78
SCALE	1" = 50'
DRAWN	J.M.L.M.
JOB	754-2
SHEET	1
OF	SHEETS

CASCADE A & E SUPPLIES CO. PORTLAND

SEE SHEET 7

T.C. 275.83

T.C. 276.52

HILLSIDE DR. STA. 1+04W 65'RT 36"INV. IN 265.08 HEADWALL

SEE SHEET 7

C.B. 1+15 RIM 264.30 12"INV. 260.00

STORM M.H. END STA 1+04W 15'LT.

STA. 2+89 T.C. 273.69

STA. 3+71.67 T.C. 274.66

SEE SHEET 6

SAN. M.H. #6 STA. 2+65 ERD STA. 3+13.8 10.0'

SEE SHEET 6

C.B. STA. 7+00 RIM 270.69 10"INV. 267.69

4"P.V.C. PERF. IN DRAIN TRENCH

SEE SHEET 7

REMOVE EXIST. CULVERT AND REPLACE DRIVEWAY

EXISTING A.P. TO BE REMOVED

TOP CUT

TOP CUT

EXISTING R/W

PROPOSED DITCH INLET

12" STORM

8" SAN.

SEE DETAIL THIS SHT.

COLLEGE HILL PLACE

8" SAN.

TOE FILL

SAN. M.H. #5 STA. 2+37.63 ERD STA. 0+00 133.63 LT.

STA. 6+63 T.C. 271.47

PLUG AND MARK 8" SAN. FOR FUTURE EXTENSION

SEE SHEET 3

COLLEGE VIEW DR.

STA. 0+10 T.C. 265.65

C.B. 1+15 RIM 264.30 10"INV. 261.30

RIP RAP WITH MIN. 18" ROCK 150 FT. TO DISPERSE VELOCITY HEAD.

T.C. 272.34

STA. 3+71 T.C. 274.66

T.C. 268.92

STA. 7+53 T.C. 271.64

SAN. M.H. #58 STA. 3+85.72 ERD. STA. 3+37.52 101.4 LT.

FILL EASEMENT REQUIRED

T.C. 271.37

T.C. 269.08 C.B. RIM 268.58 10"INV. 265.58

MIDHILL DR. STA. 1+74 62'RT. 36"INV. 240.00

STA. 2+71 T.C. 272.63

USE EROSION CONTROL METHODS TO KEEP DOWNSTREAM WATER CLEAR DURING CONSTRUCTION

MIDHILL DR.

100' V.C. e = 0.138

150' V.C. e = 1.875

100' V.C. e = 1.263

8" V.C. 271.60

8" V.C. 271.05

8" V.C. 271.60

SAN. M.H. #58 STA. 4+46.53 97.38 RT.

SAN. M.H. #59 STA. 4+00 97.38 RT.

SAN. M.H. #58 STA. 3+50 97.38 RT.

SAN. M.H. #59 STA. 3+50 ERD. STA. 2+94.96 97.38 RT.

AVG. GRADE 2.85%

AVG. GRADE 4.55%

AVG. GRADE 2.75%

STORM M.H. STA. 2+44.26 1.40' RT.

STORM M.H. STA. 2+21.26 1.75' RT.

STORM M.H. STA. 2+45 1.40' RT.

STA. 0+20 T.C. 265.25

STORM M.H. STA. 1+90 1.40' RT. 9.50' LT. 5.0% 5.0%

9.0%

SL. = 1.10%

SL. = 1.10%

SL. = 1.10%

8" SAN @ 0.60% = 165 L.F.

8" SAN @ 0.60% = 165 L.F.

8" SAN @ 0.60% = 324'

65 L.F.

DITCH INLET STA. 0+28 DITCH IN 265.01 12" INV. 264.00

125' @ 4.8% 2.8% 10.5

8" STORM @ 4.80% 65'

8" SAN.

STA. 1+15 C.B. RIM 264.30 12" IN/OUT 260.00 10" INV. IN 261.00 12" INV. OUT 260.00

SAN. CO. RIM 265.88 8" INV. 260.70

15" STORM CIRCULAR PIPE EMBEDMENT

RIM 266.14 12" INV. IN (SE) 257.24 21" INV. IN (W) 256.70 21" INV. OUT (E) 256.50

OREGON DROP MH'S RIM 8" INV. IN (N.W.) 264.00 OUTSIDE DROP 8" INV. IN (S.W.) 264.00 INSIDE DROP 8" INV. IN (S.E.) 259.70 8" INV. OUT (N.E.) 259.50

RIM 272.85 8" INV. IN 265.26 8" INV. OUT 265.06

RIM 272.31 8" INV. IN 267.40 8" INV. OUT 267.20

PLUG AND MARK 8" SAN. @ 9+02 51 10 LT. 8" INV. 267.73

8" EXIST. GROUND

PROPOSED PROFILE

COLLEGE HILL PLACE

MIDHILL DR.

36" INV. IN 265.08 HEADWALL

36" INV. OUT 240.00

STORM @ 0.80% = 205 L.F.

RIP RAP OUTFALL WITH BROKEN ROCK 150 #/FT.

1" = 5' VERT.

1" = 5' VERT.

REVISIONS		
Date	Description	By
9-8-78	CITY REQUIMENTS	J.M.
10-3-78	CITY REQUIMENTS	J.M.
11-20-78	CITY REQUIMENTS	J.M.
10-11-79	GRADE ONLY - 3+50	J.M.
7-30-80	AS-BUILT INFO.	J.M.

DRAWN: J.M.'L.M. CHECKED: K.G.T.

SCALE: 1" = 50' DATE: 4-18-78

ZAROSINSKI-TATONE ENGINEERS, INC.
3737 S.E. EIGHTH AVE. PORTLAND, ORE.

REGISTERED PROFESSIONAL ENGINEER OREGON JULY 1, 1971 HAROLD G. TATONE

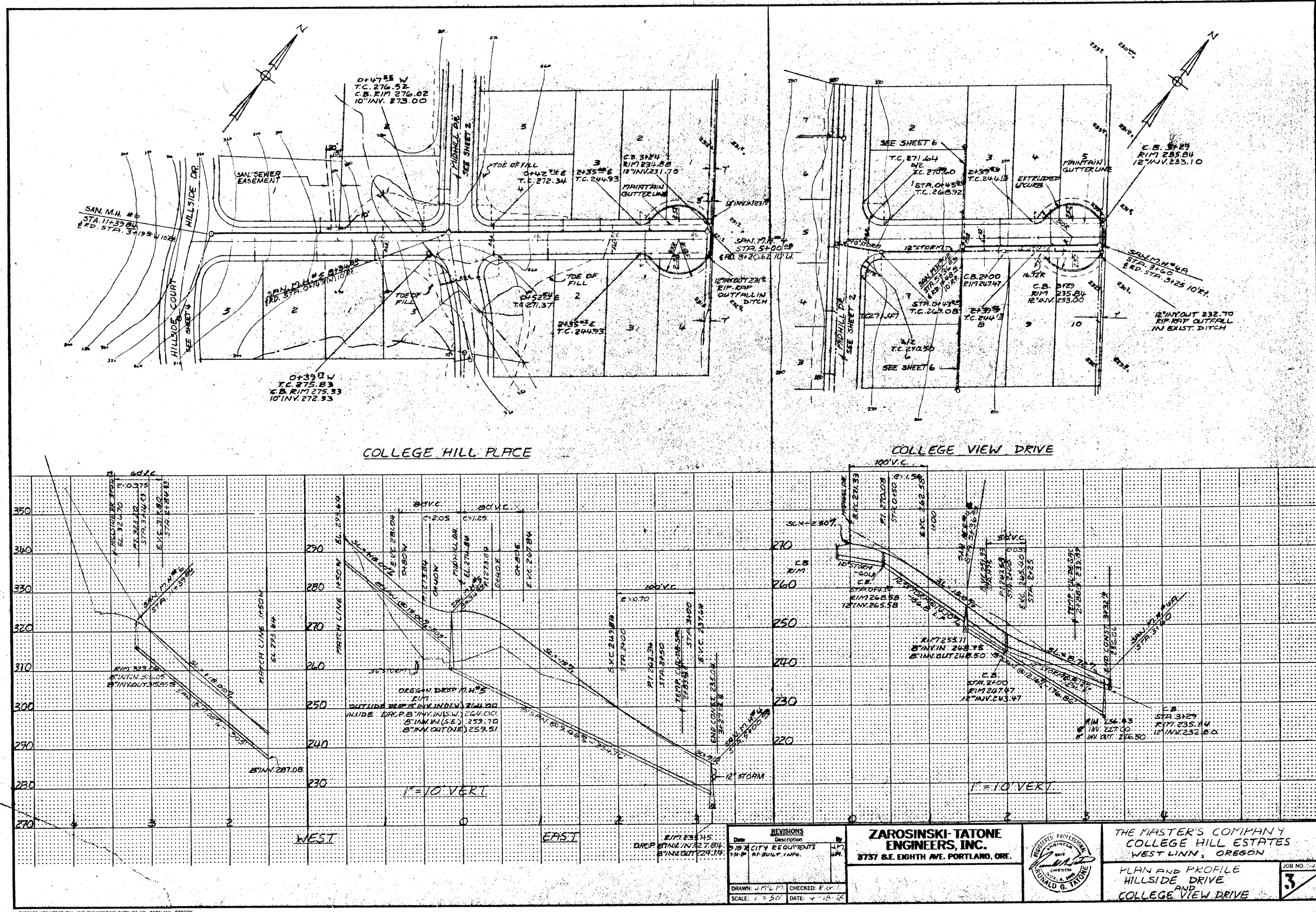
THE MASTER'S COMPANY
COLLEGE HILL ESTATES
WEST LINN, OREGON.

PLAN AND PROFILE
MIDHILL DRIVE

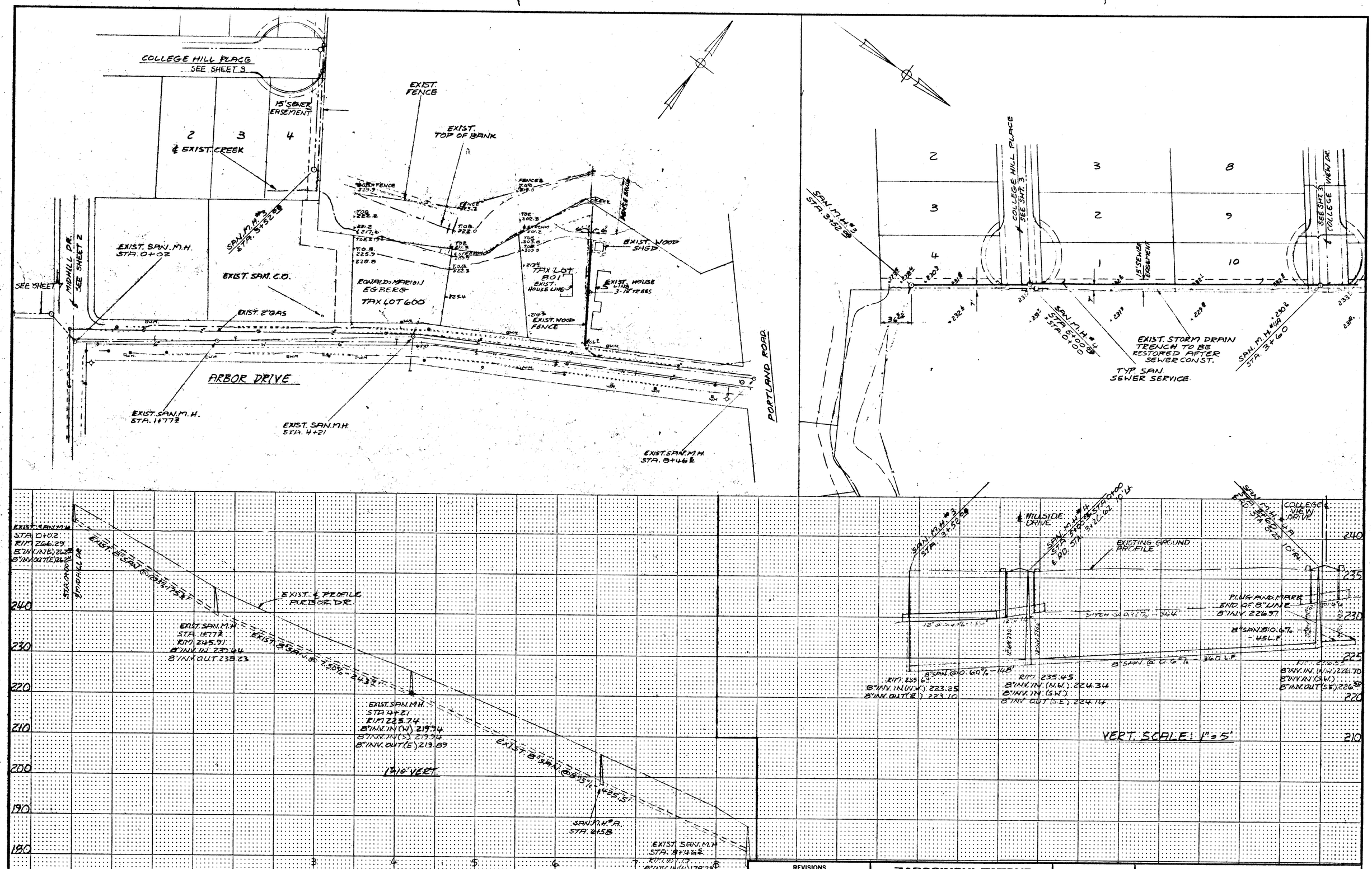
JOB NO. 1542

2.

CASCADE ARCHITECTURAL AND ENGINEERING SUPPLIES CO. PORTLAND, OREGON



CASCADE ARCHITECTURAL AND ENGINEERING SUPPLIES CO., PORTLAND, OREGON



REVISIONS		
Date	Description	By
9-8-78	CITY REQUIREMENTS	J.M.
6-25-79	OUTFALL REVISED	J.M.
8-11-80	AS-BUILT INFO.	J.M.

DRAWN: J.M.L.M. CHECKED: K.G.T.
SCALE: 1"=50' DATE: 5-15-78

ZAROSINSKI-TATONE ENGINEERS, INC.
3737 S.E. EIGHTH AVE. PORTLAND, ORE.

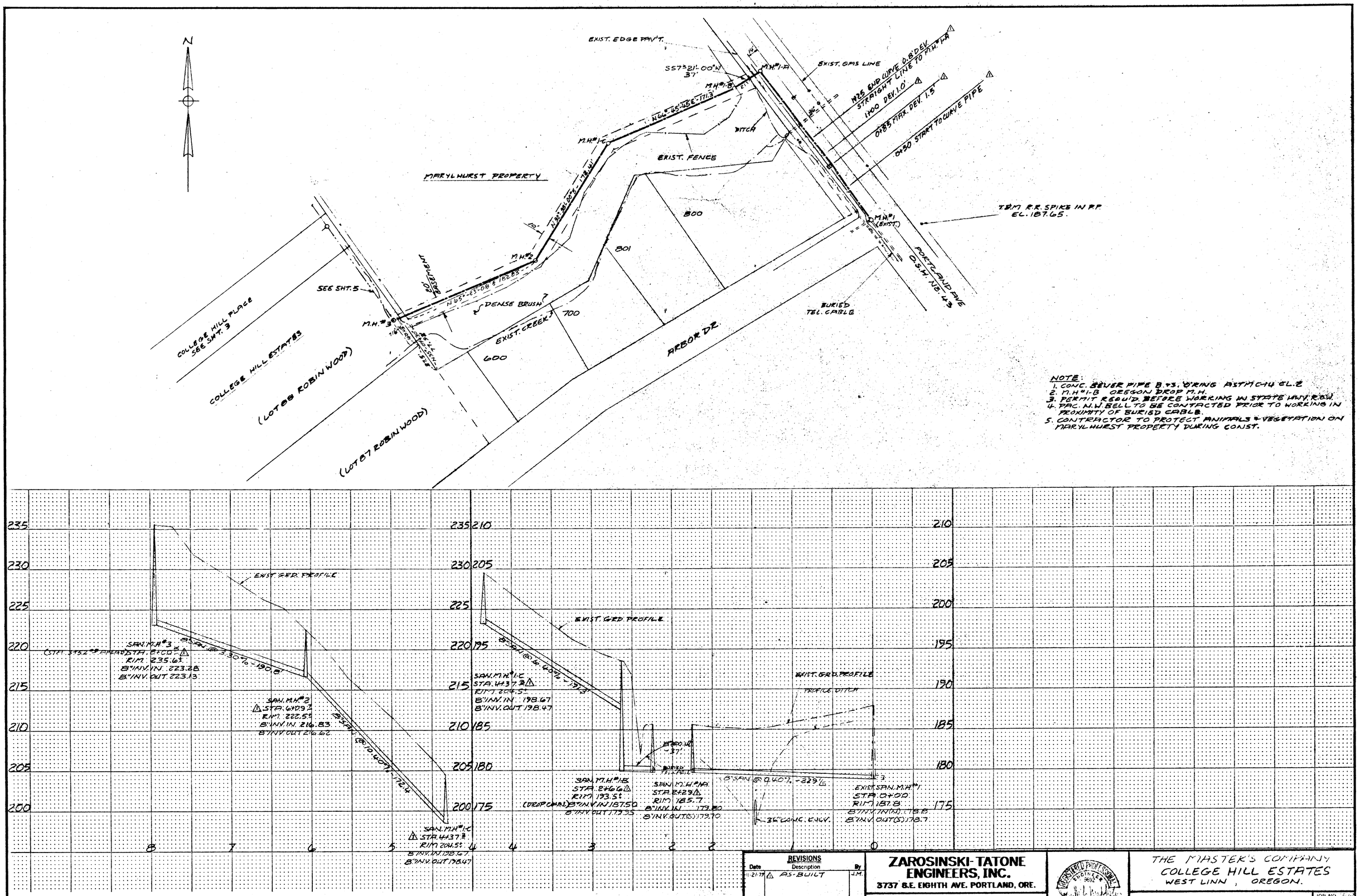
REGISTERED PROFESSIONAL ENGINEER 3919 OREGON RONALD G. TATONE

THE MASTER'S COMPANY
COLLEGE HILL ESTATES
WEST LINN, OREGON.

PLAN AND PROFILE
SAN. SEWER OUTFALL
TO ARBOR DRIVE

JOB NO. 1542
5

CASCADE ARCHITECTURAL AND ENGINEERING SUPPLIES CO. PORTLAND OREGON



REVISIONS		
Date	Description	By
11-21-79	AS-BUILT	J.M.

DRAWN: J.M.L.M. CHECKED: K.G.T.
SCALE: 1" = 50' 1:5 DATE: 9TH JULY 79

ZAROSINSKI-TATONE ENGINEERS, INC.
3737 S.E. EIGHTH AVE. PORTLAND, ORE.

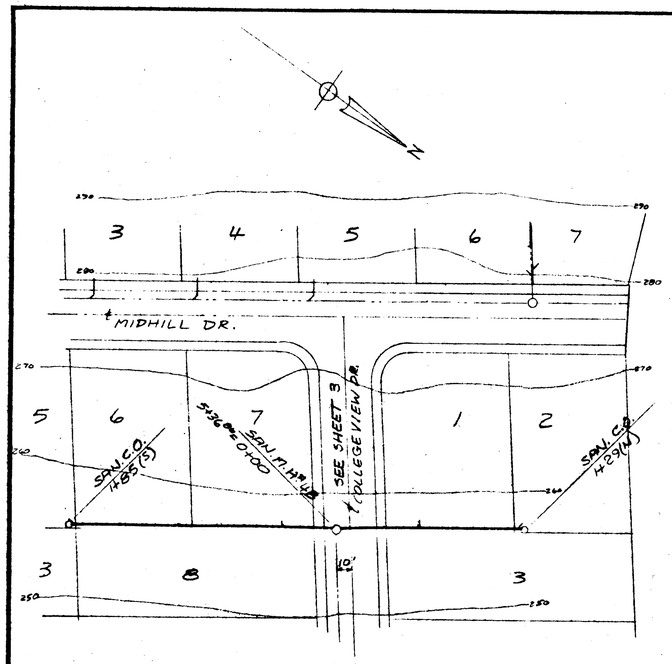
REGISTERED PROFESSIONAL ENGINEER 9692 OREGON JULY 14, 1978 JOHN McL. MIDDLETON

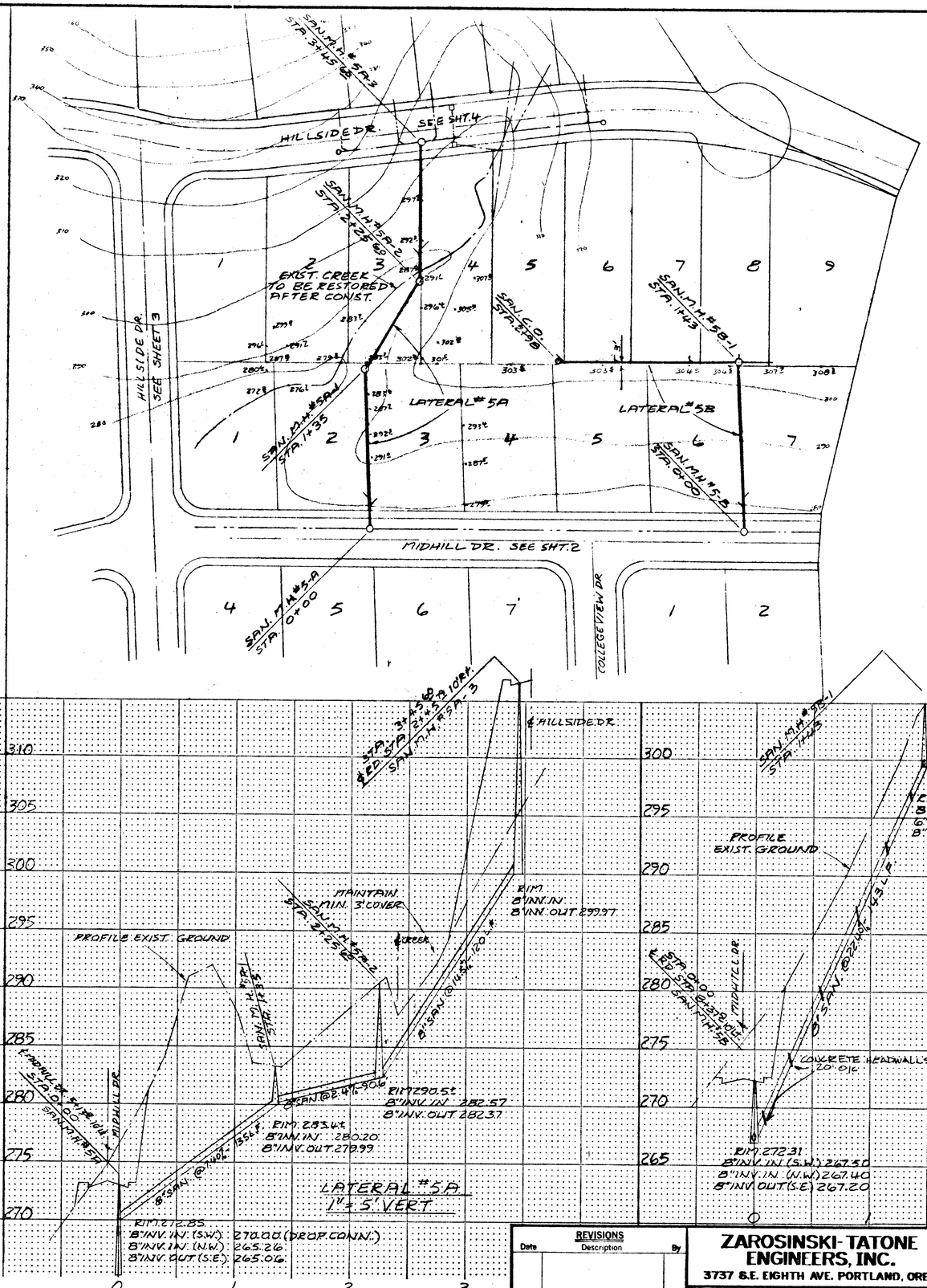
THE MASTER'S COMPANY
COLLEGE HILL ESTATES
WEST LINN, OREGON.

PLAN AND PROFILE
SAN. SEWER OUTFALL

JOB NO. 5A

CASCADE ARCHITECTURAL AND ENGINEERING SUPPLIES CO. PORTLAND, OREGON





REVISIONS		
Date	Description	By

DRAWN: J.M.L.M. | CHECKED: R.G.T.
SCALE: 1"=50' | DATE: 5.15.78

ZAROSINSKI-TATONE ENGINEERS, INC.
3737 S.E. EIGHTH AVE. PORTLAND, ORE.

THE MASTER'S COMPANY
COLLEGE HILL ESTATES
WEST LINN, OREGON

SAN. SEWER ON LOT LINES
LATERAL #4A, #5A AND #5B

JOB NO. 1542
6

CASCADE ARCHITECTURAL AND ENGINEERING SUPPLIES CO. PORTLAND, OREGON