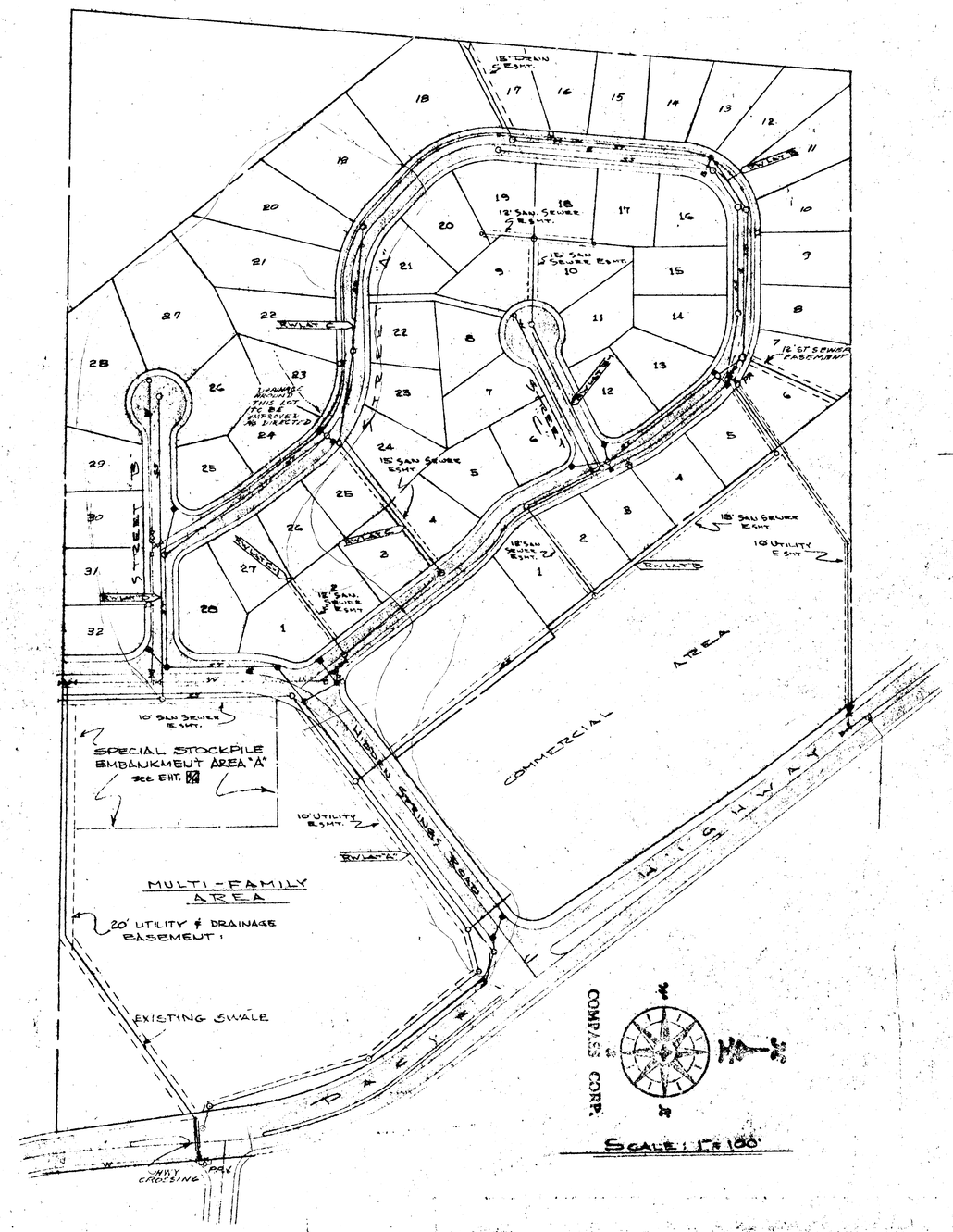


INDEX

SHEET	TITLE
1/14	COVER
	ROAD AND STORM SEWER IMPROVEMENTS
2/14	PACIFIC HIGHWAY - PLAN (NOT INCLUDED THIS CONTRACT.)
3/14	DETAILS
4/14	HIDDEN SPRINGS RD - PLAN & PROFILE
5/14	STREET "A" - PLAN & PROFILE
6/14	STREET "A" - " & "
7/14	STREET "B" & "C" - PLAN & PROFILE
	SANITARY SEWER IMPROVEMENTS
8/14	PACIFIC HIGHWAY & HIDDEN SPRINGS RD. - PLAN & PROFILE
9/14	STREET "A" " "
10/14	STREET "A" " "
11/14	STREET "B" & "C" " "
	WATER IMPROVEMENTS
12/14	RESIDENTIAL
13/14	ENTRANCE
14/14	WATER DETAILS

LEGEND

- SS — SANITARY SEWER
- SD — STORM DRAIN
- W — WATER MAIN
- ℄ — STREET CENTER LINE

NOTES:

ALL WORK AND MATERIALS SHALL CONFORM WITH THE STANDARD DRAWINGS AND SPECIFICATIONS FOR A.P.W.A., OREGON CHAPTER, PUBLIC WORKS CONSTRUCTION.

Road & Sanitary Sewer Plans

CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND SHALL RELOCATE ANY IN CONFLICT WITH THE PROPOSED CONSTRUCTION. CONTRACTOR TO OBTAIN ALL PERMITS

Road Plans

THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN THE SUBGRADING IS COMPLETE AND 24 HOURS PRIOR TO THE PLACEMENT OF GRAVEL BASE MATERIAL. HE SHALL ALSO PROVIDE 24 HOUR NOTICE PRIOR TO FINAL PAVING FOR AN INSPECTION OF THE WORK. FAILURE TO DO SO, WILL MAKE ANY SUBGRADE FAILURE OR DRAINAGE PROBLEMS THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK MUST COMPLY TO GOVERNING AGENCY STANDARDS.

Water Plans

CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND SHALL CONSTRUCT THE WATERMAIN TO AVOID CONFLICT WITH EXISTING UTILITIES. CONTRACTOR TO OBTAIN ALL PERMITS.

ALL WORK AND MATERIALS TO CONFORM WITH CITY OF WEST LINN, THE LATEST EDITION OF OREGON STATE ADMINISTRATIVE RULES CHAPTER 333, AND A.P.W.A. STANDARDS.

THRUST BLOCKS TO BE PLACED AT ALL TEES, TBEANDS, BLOWOFFS AND FIRE HYDRANTS.

ALL PIPE TO BE MINIMUM COVER OF 30 INCHES BELOW FUTURE STREET GRADES. FITTINGS TO BE CLASS 250 M.J. MAINS TO BE CHLORINATED AND TESTED AT 150 P.S.I. AND REMAIN BOTTLE TIGHT FOR 4 HOURS AT TEST PRESSURE OR, APPROVED TEST BY CITY ENGINEER. ALL MAINS TO BE PUSH-ON JOINT CAST IRON CLASS 150 PIPE.

SERVICES, TO BE TYPE "K" COPPER SIZE AND LOCATION AS DIRECTED BY CITY AND END WITH ANGLE METER STOP. ALL FITTINGS TO BE FLARED TYPE. SERVICE LINE AND METERS TO CONFORM TO CITY OF WEST LINN STANDARD DETAILS WHERE TWO LOTS ARE SERVED.

Sanitary Sewer Plans

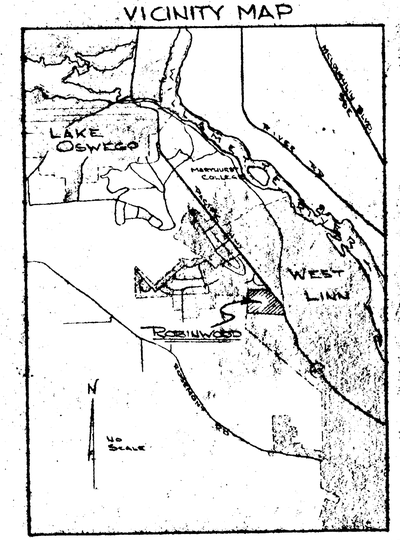
ALL WORK AND MATERIALS TO CONFORM WITH THE EXISTING CITY OF WEST LINN STANDARD SPECIFICATIONS FOR SAN. SEWER LINE CONSTRUCTION & INSTALLATION.

ALL SANITARY SEWER PIPE TO BE EXTRA STRENGTH CONCRETE PIPE, C-14, WITH 4 INCHES OF 3/4"-0. GRAVEL BEDDING.

H.S. - 4" CONCRETE SEWER HOUSE SERVICE.

Richard L. Detroit
EXPIRES: 12/31/82

VICINITY MAP



MAY 25 1982

"ROBINWOOD" As Built

INDEX MAP

1/14

DATE	NO	REVISION
12-1-74	4	REV. LOT LINES, UTIL. REMARKS
11-19-74	3	REVISED LOT LINES
7-19-74	2	REVISED LOT LINES
FEB 14, '74	1	HIDDEN SPRINGS ROAD. Deleted drainage ditch & 90%

DRAWN DWW | DES. W.C., M.T., D.M.D.
SCALE AS SHOWN | DATE Nov. '73
FILE 72-454-711

COMPASS CORPORATION
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WESCO DEVELOPMENT CO.
4344 S. CEDAR OAK DRIVE
WEST LINN, OREGON 97068

12/6/05 Noted: As Built

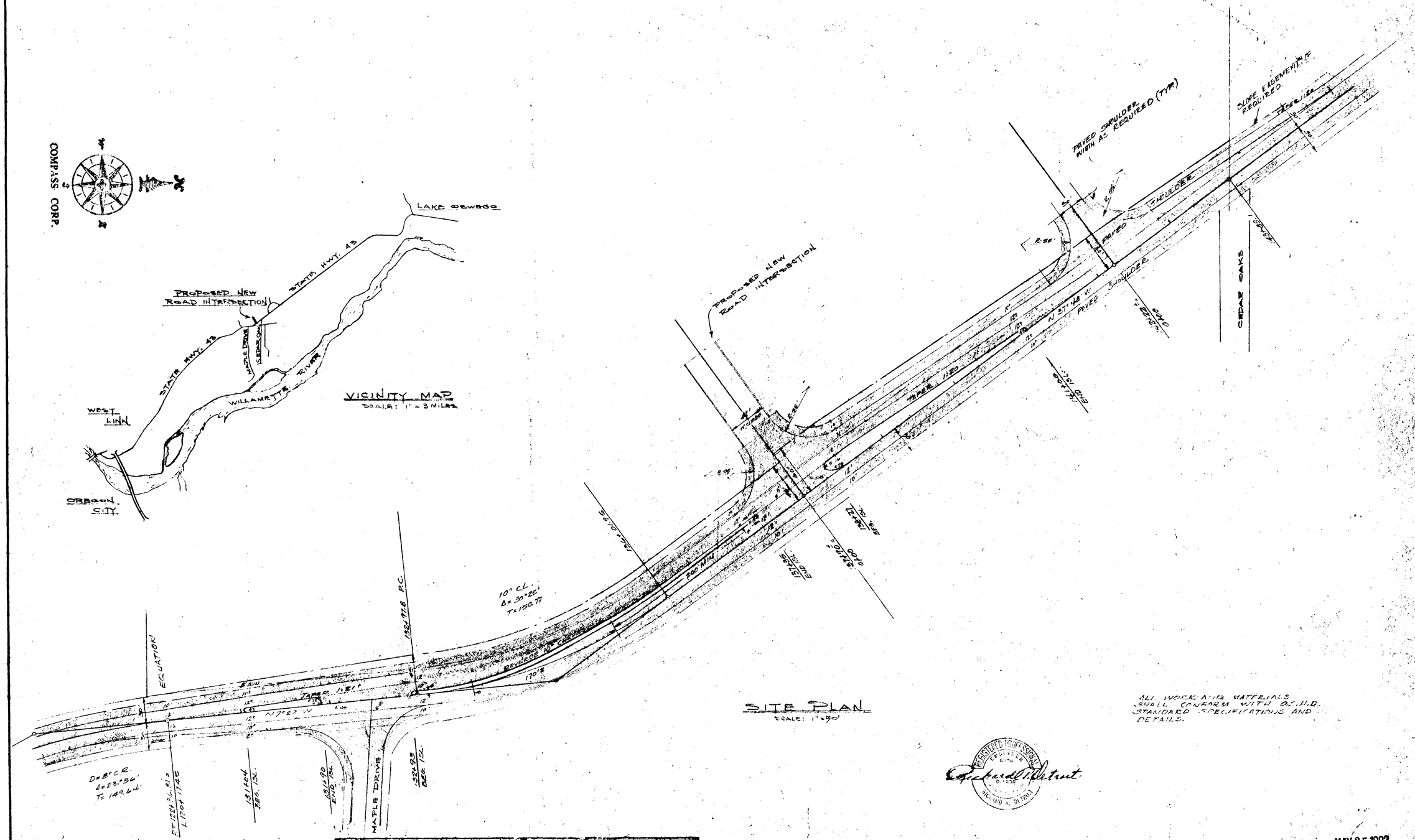
ROBINWOOD #1-73

Bellwood Dr

campbell weiss reprographics

COMPASS CORP.

VICINITY MAP
SCALE: 1" = 3 MILES



SITE PLAN
SCALE: 1"=50'

ALL WORK & MATERIALS SHALL CONFORM WITH D.S.H.D. STANDARD SPECIFICATIONS AND DETAILS.

REGISTERED PROFESSIONAL ENGINEER OREGON RICHARD A. DEVLIN

MAY 25 1982

"ROBINWOOD"

FOR APPROVALS ONLY
"NOT FOR CONSTRUCTION"

DATE	NO.	REVISION	DRAWN	CHK'D	M.L.J.
4/15/82	1	Provided Maximum data. Rec'd	SCALE	1"=50'	DATE 5-3-82
MAY 7, 1982	1	As Required By D.S.H.D.	FILE	82-017-311	
		REMOVE CURB - (LEFT TURN)			

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MUSCO SPORTS LIGHTING CO.
1144 S. CEDAR OAK DRIVE
WEST LINN, OREGON 97068

PROPOSED TRAFFIC SIGNAL INSTALLATION - CEDAR OAK DRIVE AT WEST LINN, OREGON

2/14

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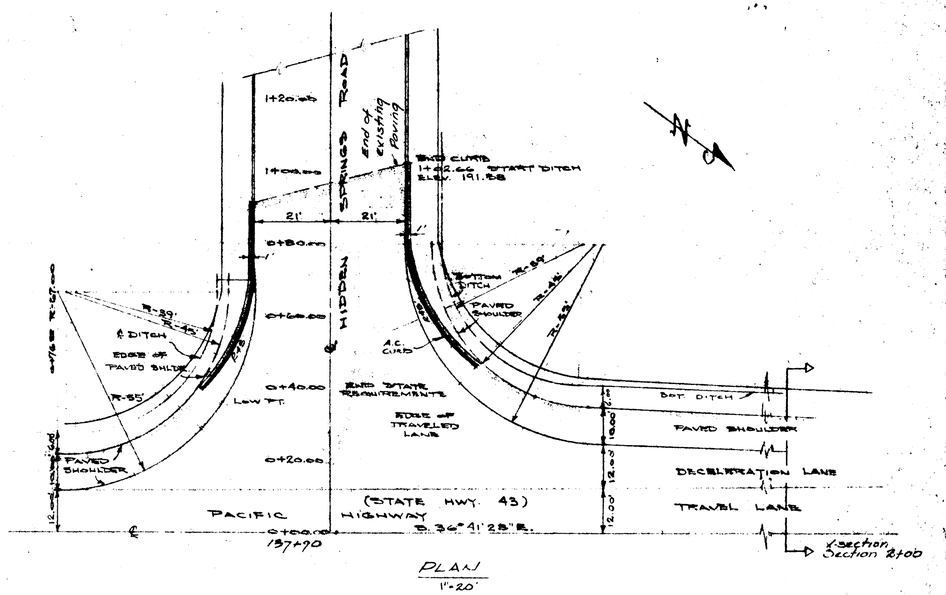
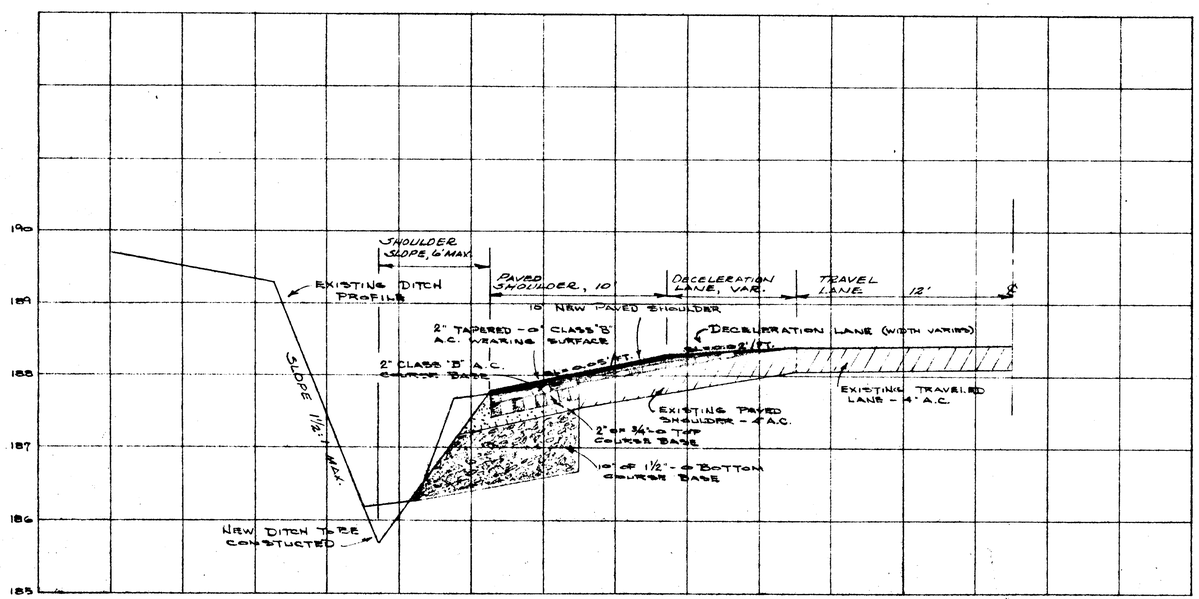
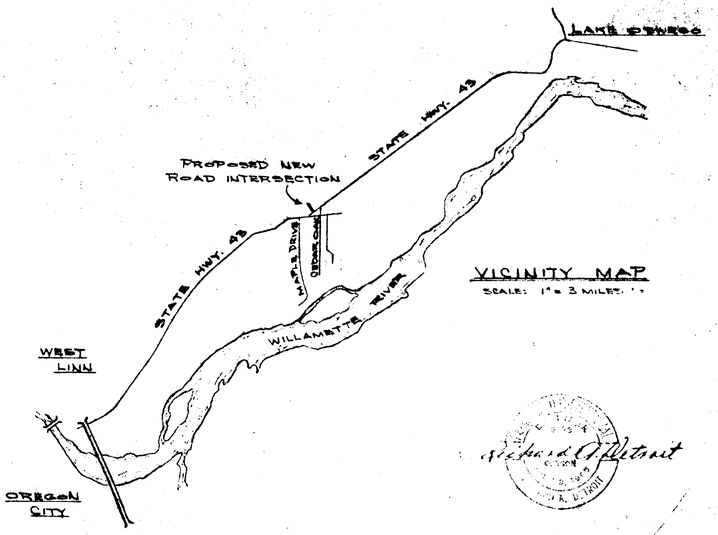


PLAN
1"=20'



TYPICAL XSECTION - 2+00 = O.S.H.D. 137+90±
SCALE: VERT. 1" = 1'
HORIZ. 1" = 4'



VICINITY MAP
SCALE: 1" = 3 MILES ± ±

Note:
For additional requirements, see O.S.H.D. Approach permit dated 4/8/74.

MAY 25 1999

"ROBINWOOD"

DATE	NO.	REVISION

DRAWN M.L.J.
SCALE as shown DATE DEC. 74
FILE 72-494-711-

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WESCO DEVELOPMENT CO.
4344 S. CEDAR OAK DRIVE
WEST LINN, OREGON 97068

HIDDEN SPRINGS ROAD & HIGHWAY 43
INTERSECTION DETAILS

2A / 14

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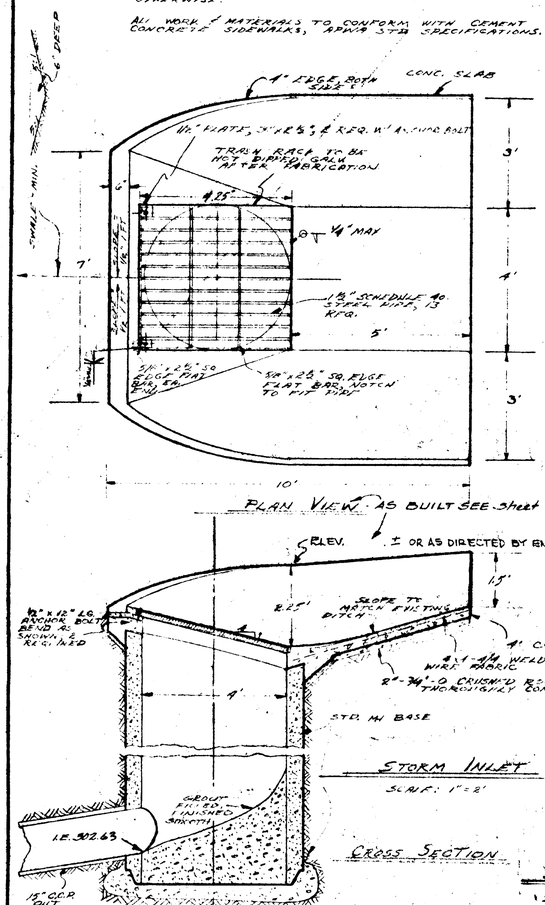
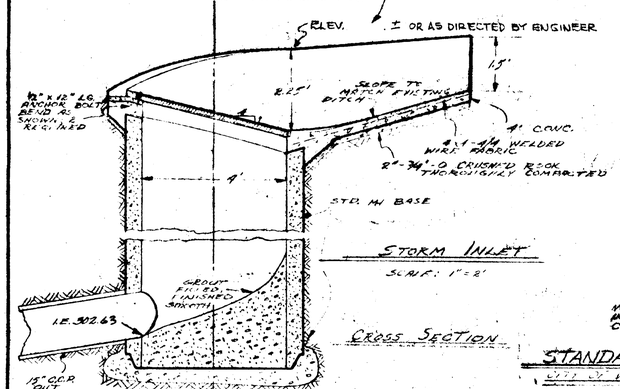
NOTE:
ALL EXPOSED CONC. EDGES TO BE CHAMFERED 3/4" UNLESS NOTED OTHERWISE. TROWEL FINISH.

ALL METAL REINFORCEMENTS SHALL BE PLACED 1" CLEAR OF NEAREST FACE OF CONC. UNLESS NOTED OTHERWISE.

ALL WORK & MATERIALS TO CONFORM WITH CEMENT CONCRETE SIDEWALKS, APWA STD SPECIFICATIONS.



AS BUILT SEE Sheet 4/14.

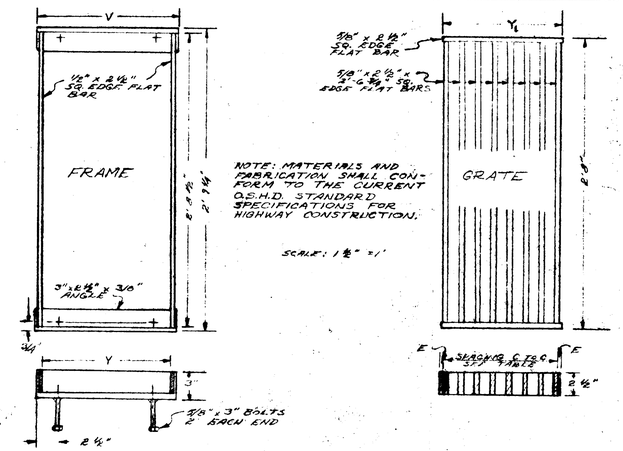


STORM INLET

SCALE: 1"=2'

CROSS SECTION

INLET TYPE	V	Y	Y_1	E	SPACING C-C	NO. OF BARS	W	W_1
GB-1	1-10 1/4"	1'-8 7/8"	1'-8 1/2"	5/8"	1 1/4"	12	2'-8 7/8"	1'-8 7/8"
GB-2	2'-1 3/4"	2'-3 3/8"	1'-1 1/2"	5/8"	1 3/4"	8	3'-3 3/8"	2'-3 3/8"



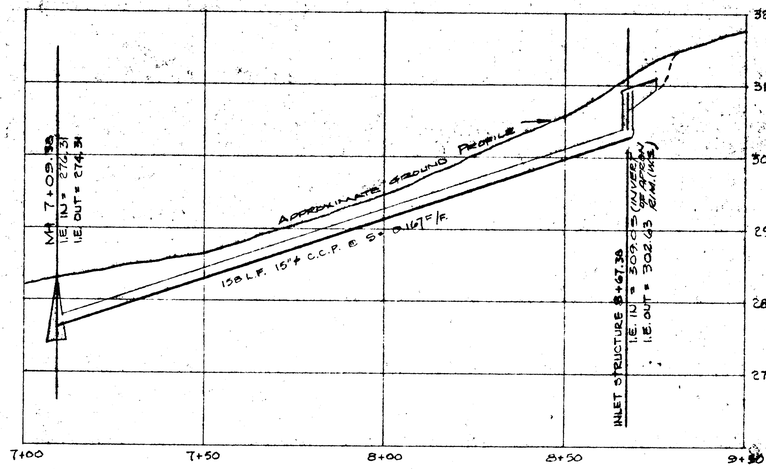
NOTE: MATERIALS AND FABRICATION SHALL CONFORM TO THE CURRENT O.S.H.D. STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

SCALE: 1 1/2" = 1'

NOTE: A MAXIMUM DEVIATION FROM PLAN DIMENSIONS OF ONE INCH, AT THE INLET FLOOR, SHALL BE ALLOWED FOR TAPERING OF FORMS USED IN CONSTRUCTION OF CONCRETE INLETS.

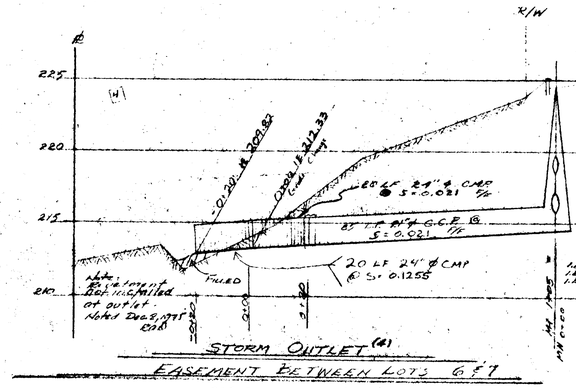
STANDARD GB-1 & GB-2 INLET, FRAME, & GRATE DETAILS

USE OF W. - LINN HIGHWAY DEPT. OF HIGH. WORKS DRAWING NUMBERS SB-10 & SB-11



STORM SEWER PROFILE:

SCALE: HORIZ. 1" = 20', VERT. 1" = 10'



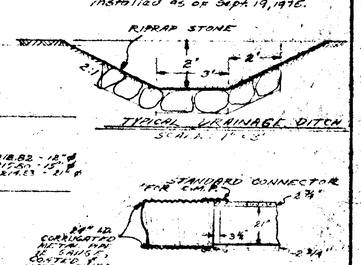
STORM OUTLET (6)

EASEMENT BETWEEN LOTS 6 & 7

SCALE: HORIZ. 1"=25' VERT. 1"=5'

NOTE:
RIPRAP STONE TO CONFORM WITH SECTION 02535 CLASS RIPRAP - O.S.H.D. STANDARD SPECIFICATIONS OR EQUAL.

Note: THIS revetment not installed as of Sept. 19, 1975.



SCALE: 1"=1'

MAY 25 1982

"ROBINWOOD" AS BUILT

DATE	NO	REVISION	DRAWN	D.W.W., D.J.V.
Sept. 19, 75	4	As Built		
Sept. 12, 75	3	Removed Approval Stickers	SCALE	AS SHOWN
12 Aug 74	2	Added Storm Profile	DATE	JAN., 1974
12 Aug 74	1	Added Storm Profile	FILE	72-494-711

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WESCO DEVELOPMENT CO.
4344 S. CEDAR OAK DRIVE
WEST LINN, OREGON 97068

DETAIL SHEET

3/14

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"ROBINWOOD" "AS BUILT"

DATE	NO.	REVISION
Sept. 12, 1975	5	As Built Approach - Hidden Springs Rd & Pac. Hwy.
Nov. 19, 1974	4	Revised Approval Sp...
[illegible]	3	[illegible]
4-1-74	2	Revised ...
Feb. 15, 74	1	Deleted ... 9+10 Hidden Springs Road R.R.D.

DRAWN DWW
SCALE AS SHOWN
DATE NOV. 73
FILE 72-494-711-C-233

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PAVING IMPROVEMENTS
HIDDEN SPRINGS ROAD
PLAN & PROFILE

4/14

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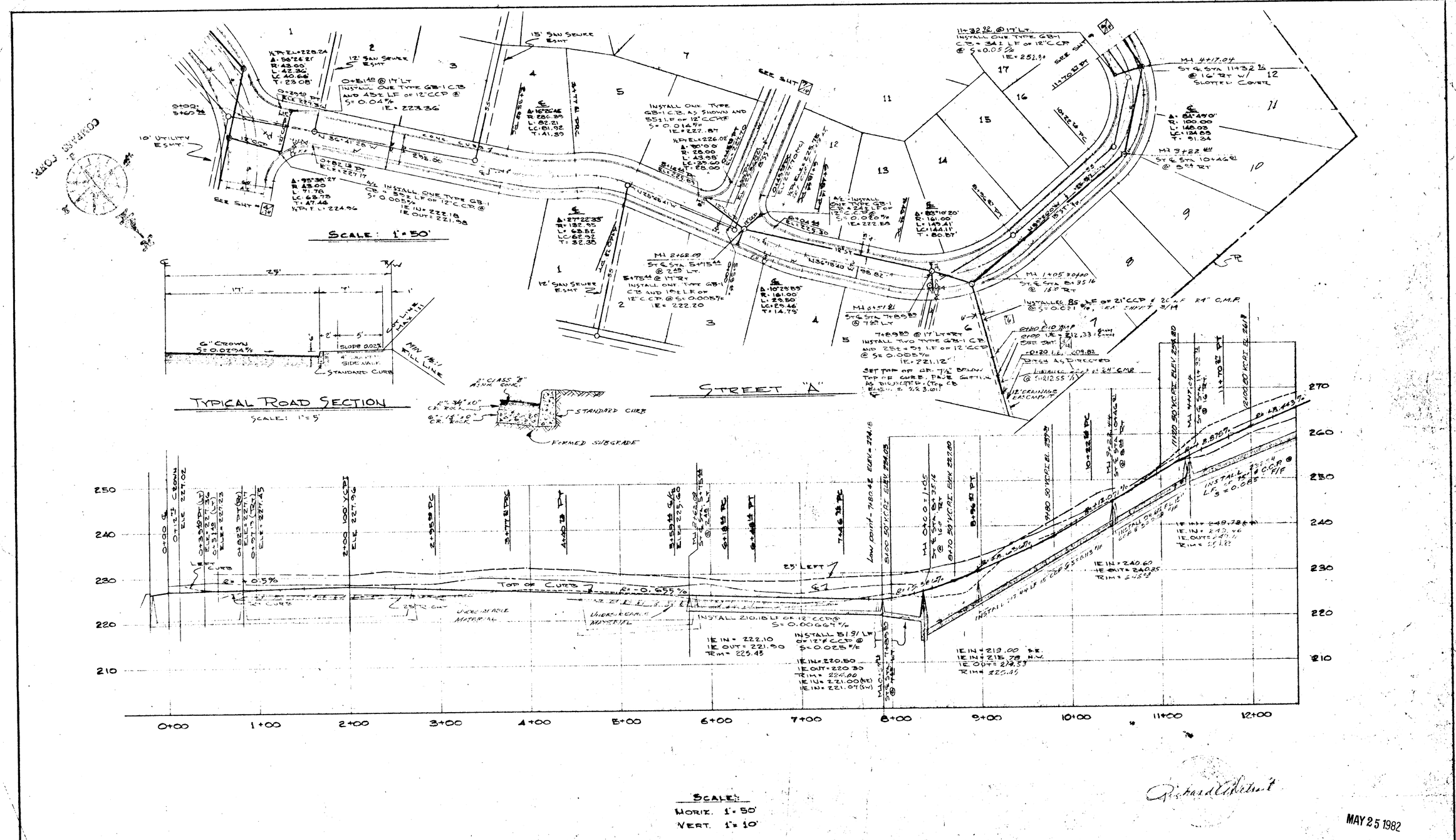

SCALE:
HORIZ. 1"=50'
VERT. 1"=10'

MAY 25 1982

NOTE: SEE NOTE SHT. 1/11

"ROBINWOOD" "AS BUILT"

DATE	NO	REVISION
Sept 15, 75	6	Street Quantities As-Built
Nov. 13, 1974	5	Added [illegible] material
[illegible]	4	[illegible]
[illegible]	3	[illegible]
[illegible]	2	[illegible]
[illegible]	1	[illegible]

DRAWN DWW
SCALE AS SHOWN DATE Nov. 73
FILE 72-494-711-C-3

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PAVING IMPROVEMENTS
STREET "A"
PLAN & PROFILE

5/14

campbell weiss reprographics

NOTE: SEE NOTE SHT. 1/14

MAY 25 1982

"ROBINWOOD" "AS BUILT"

DATE	NO.	REVISION
9/12/95	7	As Built curb return elevations
9/19/74	6	Revised grade - top MH elevation
9 74	5	Removed Const. approval stake

DRAWN DWW
SCALE AS SHOWN
DATE NOV. 73
FILE 72-494-711-C-3

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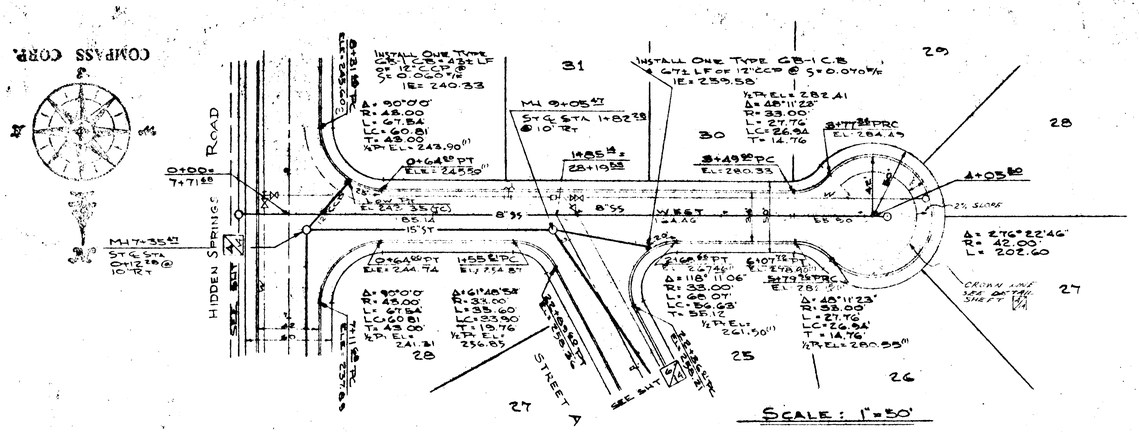
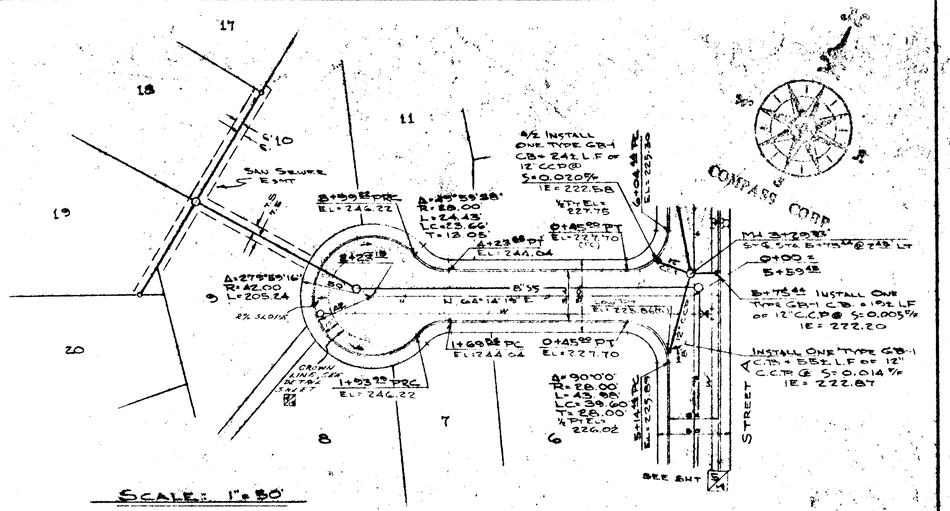
PAVING IMPROVEMENTS
STREET "A"
PLAN & PROFILE

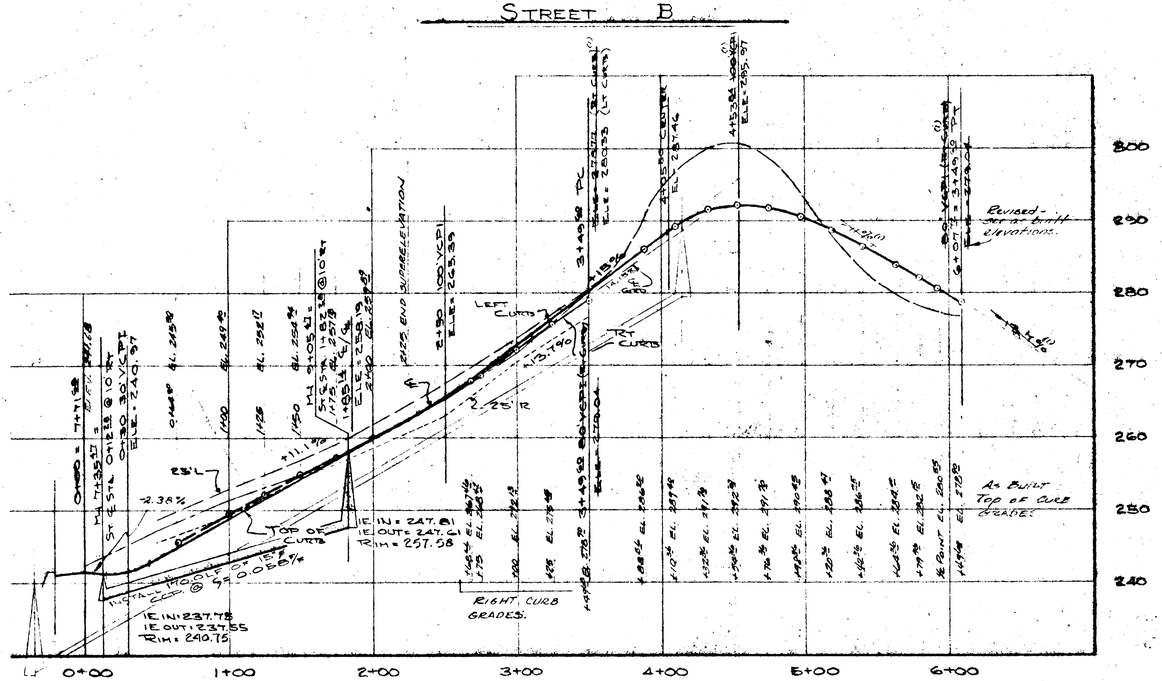
6/14

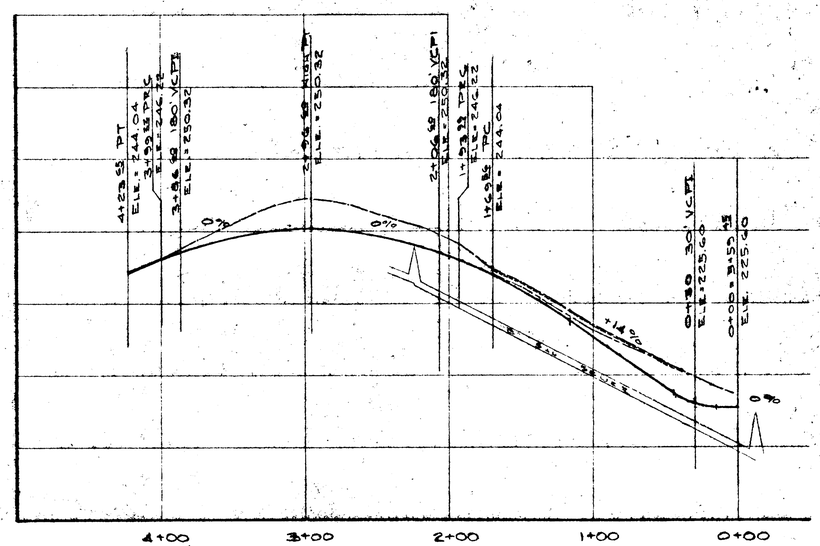


STREET B



STREET C





SCALE

HORIZ. 1"=50 ; VERT. 1"=10'

MAY 25 1982

NOTE: SEE NOTE SHT. 1/13

"ROBINWOOD" "As Built"

DATE	NO.	REVISION
Dec. 2, 1975		As Built Noted Rev.
Nov. 8, 1974	2	Rem. App. Stickers
Nov. 8, 1974	1	As Built - Street "B"

DRAWN DWW
SCALE As Shown DATE Nov. 73
FILE 72-494-711-C-3

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PAVING IMPROVEMENTS
STREET B & STREET C
PLAN & PROFILE

7/14

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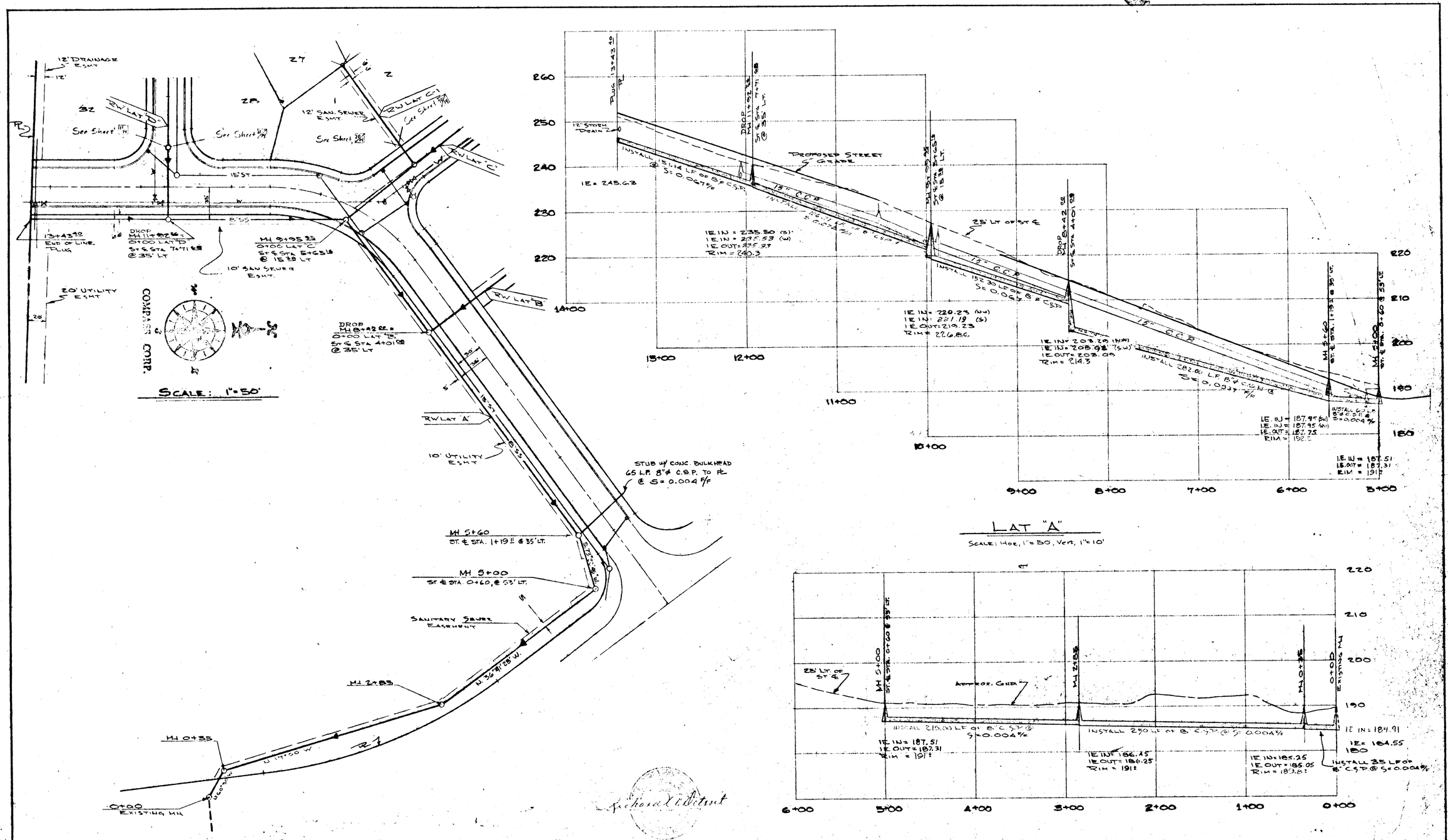

MAY 25 1982

NOTE: SEE NOTE SHT. 1/14

"ROBINWOOD" "AS BUILT"

FOR APPROVALS ONLY
"NOT FOR CONSTRUCTION"

DATE	NO.	REVISION
8/8/75	2	AS BUILT
6-17-4	1	REVISED GRADE 9+95 TO 11+92

DRAWN: [illegible]
SCALE: AS SHOWN DATE: NOV. '73
FILE: 72-494-711-D-2+3

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SANITARY IMPROVEMENTS
HIDDEN SPRINGS ROAD
PLAN & PROFILE

8/14

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COMPASS CORP.

SCALE : 1"=50'

10' UTILITY ESMT

MH 9+49.15 ℄ LAT A
MH 0+00 LAT C

RW LAT A

RW LAT C-1

12" SAN SEWER ESMT

See Sheet

MH 2+00.82 LAT C
0+00 LAT C-1

15' SAN SEWER ESMT

STREET A

STREET C

SPRINGS ROAD

HIDDEN

MH 1+60.60

MH 2+07.55

MH 10+50.87
STA STA 8+02.87
@ 10' LT

MH 10+38.61
STA STA 7+88.29
@ 9.45' RT

MH 11+87.91
STA & STA
@ 9.42' LT.

MH 12+63.25
STA & STA 11+88.86 @ 12' LT.

N.S. Wye
End of H.S. 12"/42 / 34" @ 90° / 9"

H.S. From MH / 31" E / 10"

H.S. From MH / 27" / 7"

H.S. From MH / 30" / 6"

H.S. From MH / 40" / 6"

H.S. From MH / 30" / 7"

H.S. Tee 7.82 / 26" / 6"

H.S. Tee 3.50 / 16" E / 9"

H.S. Tee 11.40 / 16" / 9"

H.S. Tee 10.69 / 17" / 10"

H.S. Tee 11.63 / 38" E / 8"

H.S. Tee 10.90 / 37" / 8"

H.S. Tee 9.90 / 30" / 7"

H.S. Tee 9.95 / 30" E

H.S. Tee 4.45 / 11" / 10"

H.S. Tee 4.59 / 10" / 9"

H.S. Tee 5.33 E / 10" / 10"

H.S. Tee 6.20 / 9" / 9"

H.S. Tee 7.21 / 11" / 8"

H.S. From MH / 30" / 6"

NOTE: PROVIDE HOUSE SERVICE AS DIRECTED.

Note: This Location Not Verified In Field

RW LAT B-1

12" SAN SEWER ESMT

DROP MH 4+49.78
0+00 RW LAT B-1

15' SAN. SEWER ESMT

PLACE 4' COVER OVER SANITARY SEWER
MH 8+01.38

8" SS

12 13 14 15 16 17 18

1 2 3 4 5 6 7 8 9 10 11

LAT "B"

SCALE: Horiz. 1"=50' Vert. 1"=10'

0+00 = STA 2+42 RW LAT A

DROP MH 4+49.78 = 0+00 RW LAT B-1

8+01.38

INSTALL 449.78 LF OF 8" C.S.P. @ S=0.004 ft/ft

INSTALL 351.50 LF OF 8" C.S.P. @ S=0.004 ft/ft

IE IN = 203.39 (SW)
IE IN = 203.03 (SW)
IE OUT = 203.03
RIM = 214.90

IE IN = 208.00 LAT B-1
IE IN = 205.29
IE OUT = 205.09
RIM = 214.00

IE IN = 206.83
IE OUT = 206.70
RIM = 210.80

MH 9+49.15 ℄ STA 7+65.32
@ 9.36' RT

MH 11+87.91 ℄ STA & STA 10+46.86 @ 9.42' LT

8" U.S.P. @ S = 0.005 ft/ft

IE IN = 217.80
IE OUT = 217.00
RIM = 223.41

IE IN = 221.14
IE OUT = 220.94
RIM = 229.79

IE IN = 238.53
IE OUT = 238.23
RIM = 245.5

IE IN = 244.96
IE OUT = 244.74
RIM = 254.82

240 230 220 210 200

0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00

MAY 25 1982

NOTE: SEE NOTE SHT. 14

"ROBINWOOD" "AS BUILT"

9/8/78	8	As Built
7/10/78	7	Revised top MH elevations, R.P.V.
9/11/74	6	Removed approvals Shelter Cove
7-25-74	5	RELOCATED MH's
6-12-74	1	Revised Sewer B-42
4-12-74	3	Revised MH Location Lot 5
2-11-74	2	Revised San Sewers Lot 6
Feb 15 '74	1	Deleted Special Easement "B"
DATE	NO.	REVISION

DRAWN DWW DESIGN CHECKED

SCALE As Shown DATE Nov. '73

FILE 72-494-711-D-3

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WESCO DEVELOPMENT CO.
4344 S. CEDAR OAK DRIVE
WEST LINN, OREGON 97068

SANITARY IMPROVEMENTS
STREET A
PLAN & PROFILE

9
14

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COMPASS CORP.

See Sheet [12] for H.S. Locations

STREET B

See Sheet [11]

RW LAT D

RW LAT A

HIDDEN SPRINGS

See Sheet [11]

RW LAT C-1

RW LAT C

RW LAT B

STREET A

H.S. From MH 4/15ft/7ft

H.S. WYE-5:165
End H.S.-S:90/31ft@90°/8ft

H.S. - Tee 6:70/28ft/10ft

H.S. - Tee 7:71/38ft/10ft

H.S. - From MH/21ft/5ft

H.S. Tee 8:32/33ft/6ft

H.B. From MH/27ft/8ft

End H.S. 7:70/24ft @ 90°/6ft

H.S. WYE 7:50

H.S. - 6ft post C.O. on line/9ft

H.S. - Tee 15:12/37ft/7ft

H.S. - Tee 14:56/40ft/9ft

H.S. - Tee 13:75/36ft/9ft

H.S. - Tee 13:11/37ft/8ft

H.S. - Tee 12:82/32ft/7ft

H.S. @ C.O.

House Service For Lot 19 @ MH on C.O. Verify in Field

Housewire for Lot 18 Stubbed out at MH only

12" DRAINAGE EASEMENT

MH @ 266.89 S 87°37'A Inv. 255.89

MH @ 272.18 S 87°37'A Inv. 263.18

MH 6+25.58 ST & STA 10+20.83 @ 3' Rt.

End H.S. S:92/30ft@90°/6ft

H.S. WYE - S:82ft

MH 6+35.80 ST & STA 10+11.82 @ 20.82 Lt.

H.S. WYE End of H.S. @ 90° to 4:32/73ft/5ft

H.S. WYE End of H.S. @ 90° to 4:27/16ft/5ft

House Services 26 For Lots 27 & 26 @ Clean Out

CO 14.85

H.S. Tee 0:56/25ft/8ft

H.S. Tee 1:14/25ft/6ft

H.S. Tee 2:12/24ft/6ft

H.S. From MH End H.S. 3:07/20ft@90°/6ft

MH 2+85.82 ST & STA 2+69.89 @ E Lt.

MH 0+00 = 9+95.82 RW LAT A

MH 0+05.82 = 0+00 RW LAT C-1 ST & STA 0+82.80 @ 0.82 Rt.

SCALE: 1"=50'

1E IN: 220.82
1E OUT: 220.62

INSTALL 35.26 LF 8" C.S.P. @ S=0.113 ft/ft

1E=235.90

LAT C-1

0+00 1+00 2+00

MH 0+00 = 9+95.82 RW LAT A

MH 0+95.82

STOP LAT C-1

MH 2+85.82 ST & STA 2+69.89

12" STORM

℄ GRADE

INSTALL 180.07 LF OF 8" C.S.P. @ S=0.004 ft/ft

1E IN: 220.83 (NW)
1E IN: 221.13 (S)
1E OUT: 219.23
RIM: 226.86

INSTALL 180.21 LF OF 8" C.S.P. @ S=0.30 ft/ft

1E IN: 220.62 (SW)
1E OUT: 220.62
RIM: 227.36

INSTALL 250.21 LF OF 8" C.S.P. @ S=0.10 ft/ft

1E IN: 221.77
1E OUT: 221.57
RIM: 227.33

0+00 1+00 2+00 3+00 4+00

210 220 230 240 250

LAT "C"

SCALE: Hor 1"=50; Ver. 1"=10'

MH 3+35.80 ST & STA 3+19.81 @ 20 Lt.

INSTALL 250.21 LF OF 8" C.S.P. @ S=0.157 ft/ft

1E IN: 228.51
1E OUT: 249.62
RIM: 255.08

1E IN: 230.41
1E OUT: 250.21
RIM: 259.10

5+00 6+00 7+00 8+00

210 220 230 240 250 260 270

TOP CURB

NOTES SEE NOTE SHT. [13]

MH 5+62.87 ST & STA 5+37.87 @ 8 Lt.

MH 11+67.55 ST & STA 11+52.55 @ 15 Lt.

1E OUT 279.82
RIM 289.56

1E OUT 279.46
RIM 286.61

INSTALL 327.1 LF OF 8" C.S.P. @ S=0.085 ft/ft

TOP OF CURB

1E IN: 247.96
1E OUT: 247.79
RIM: 254.82

200 250 270 280 290 300

16+00 14+00 13+00 12+00

LAT "B"

SCALE: Hor 1"=50; Ver. 1"=10'

Richard L. Detar

MAY 25 1982

DATE	NO	REVISION
8/21/75	8	As Built
9/10/74	7	Adding Lat "B" Home Adds & Revising Sheets
7-17-74	6	Adding Lat C-1
11-29-73	5	Revised Sanitary Sheet
4-12-73	4	Corrected Title on Sanitary Sheet
4-12-73	3	Corrected Title on Sanitary Sheet
4-12-73	2	Revised As Location Lot 12
2-12-73	1	Revised Sanitary Sheet

DRAWN DWW DESIGNED WT

SCALE As Shown DATE Nov. 73

FILE 72-494-711-D-3

COMPASS CORPORATION
ENGINEERING · SURVEYING · PLANNING
PORTLAND, OREGON, 97202

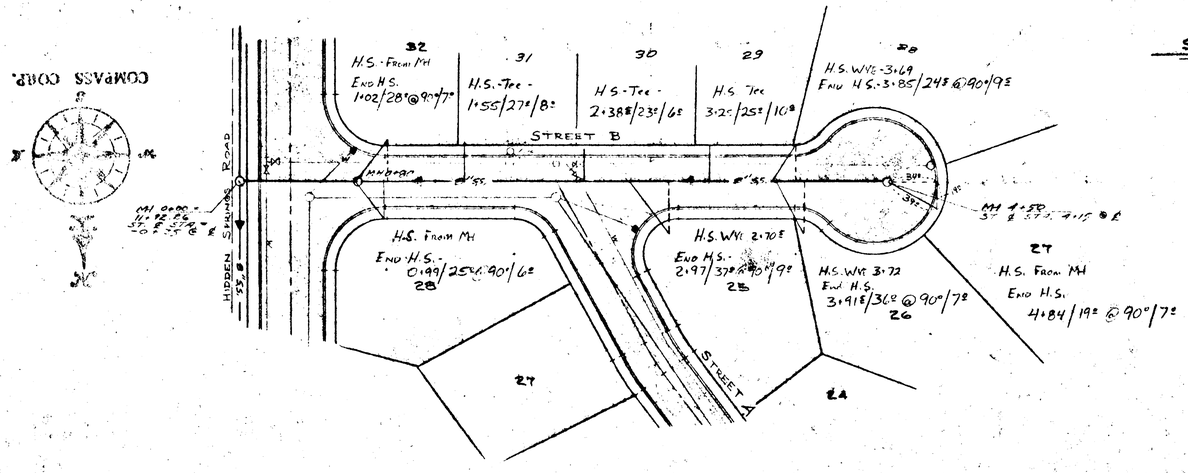
WESCO DEVELOPMENT CO.
4344 S. CEDAR OAK DRIVE
WEST LINN, OREGON 97068

SANITARY IMPROVEMENTS
STREET A
PLAN & PROFILE

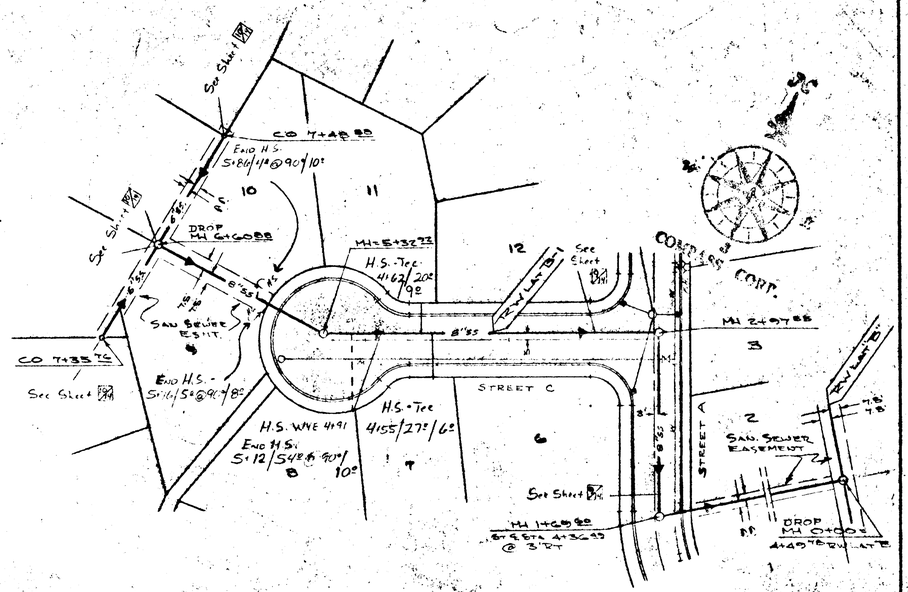
10 / 13

"ROBINWOOD" "AS BUILT"

campbell weiss reprographics

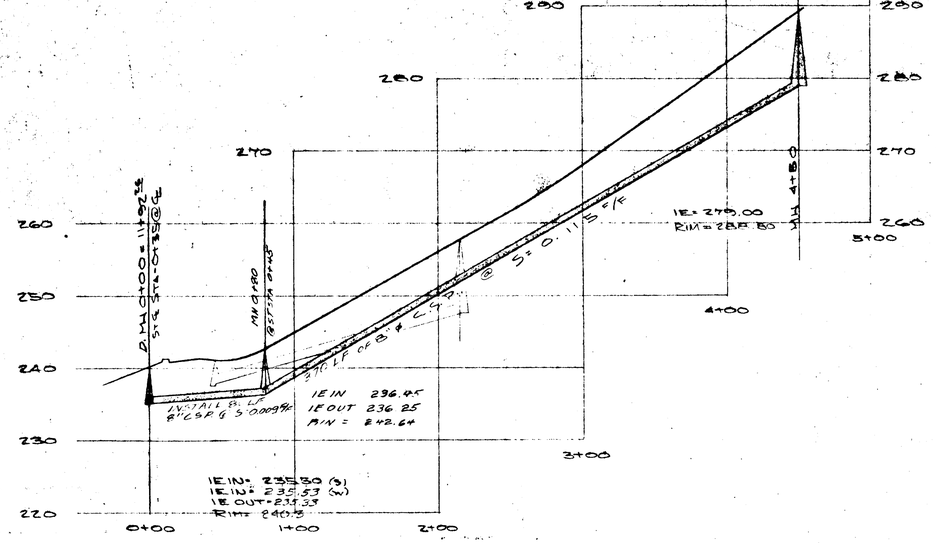


SCALE: 1"=30'



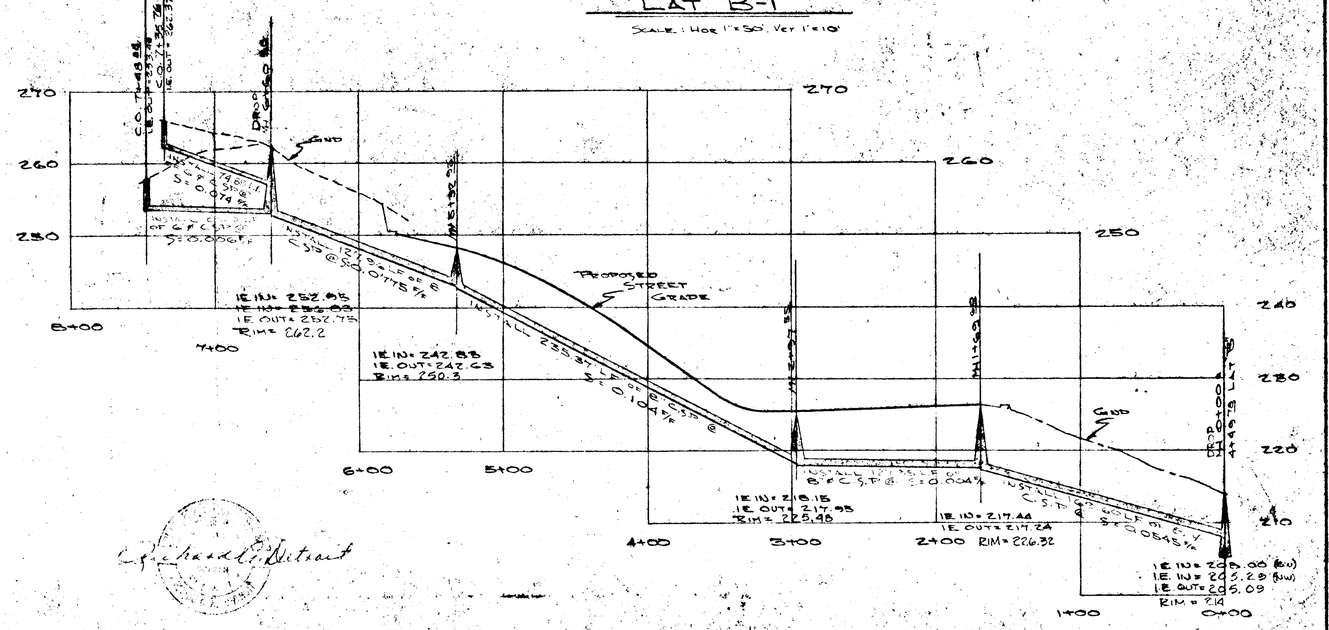
LAT "D"

SCALE: HORIZ. 1"=50'; VERT. 1"=10'



LAT "B-1"

SCALE: Hor 1"=50', Ver 1"=10'



FOR APPROVALS ONLY
"NOT FOR CONSTRUCTION"

DATE	NO.	REVISION
8/8/75	3	AS BUILT
7-23-74	2	REV. AS LOCATION
6-17-74	1	ADDED MH 0+80 LAT D

DRAWN DWW
SCALE AS SHOWN
DATE Nov. '73
FILE 72-454-711-D-3

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SANITARY IMPROVEMENTS
STREET B & STREET C
PLAN & PROFILE

11
14

NOTE: SEE NOTE SHT 4

MAY 25 1982

"ROBINWOOD" "AS BUILT"

Eastman Weiss Reprographics

COMPASS CORP.

FIRE HYDRANT SEE DETAIL
6" GATE VALVE
6" TEE
W.S. W.S.
4'-5"
6" C.I.P.
11¼° ELL
8" SS
4'-11¼° ELL
5'-11¼° ELL
22½° ELL
55'
10' CONTOUR INTERVAL
2' CONTOUR INTERVAL
Blowoff SEE DETAIL SHEET 14
FIRE HYDRANT SEE DETAIL
4" CAST IRON PIPE
6" CAST IRON PIPE
W. 700 VIEW CO. DR.
STREET B
Grant STREET
WILDERNESS DRIVE
HIDDEN SPRINGS ROAD W
STREET A
8" CAST IRON PIPE
8" FLG. TEE
2-8" MJ x FLG. G.V.
1- MJ x FLG. CONNECTOR
8" x 6" PLAIN END REDUCER/6" M.J. G.V.
8" M.J. x 8" M.J. x 6" FLG. TEE/
6" M.J. x FLG. G.V./TIE TOD FOR FIRE HYDRANT - SEE HYDRANT DETAIL
8" M.J. WYE/CAP AND BLOCKING
6" HUB x 6" HUB x 4" FLG. TEE
4" FLG. x M.J. G.V.
FLG. 6" TEE
3-6" MJ x FLG. G.V.
2-6-11¼° FLG. ELL
FUTURE CHECK VALVE W/BLOWOFF
8" x 8" x 6" FLG. WYE
8" FLG. x MJ CONNECTOR
6" 11¼° FLG. ELL
6" MJ. x FLG. G.V.
8" TO 4" FLG. REDUCER
4" FLG. x MJ. G.V.
FIRE HYDRANT SEE DETAIL
SEE SHEET 14
SEE SHEET 13
SEE SHEET 13
6" CAST IRON PIPE
11¼° ELLS
6" G.V.
STUB 6" C.I.P. - 2' BEHIND CURB/CAP
FUTURE CHECK VALVE SEE DETAIL SHEET 14 FOR 48" MH
FETURE 2" G.V. / BLOW OFF PIPE
CURB

NOTES.

CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND SHALL CONSTRUCT THE WATERMAIN TO AVOID CONFLICT WITH EXISTING UTILITIES. CONTRACTOR TO OBTAIN ALL PERMITS.

ALL WORK TO COMPLY WITH A.P.W.A. SPECIFICATIONS. ALSO SEE NOTE ON SHEET 1.

ALL PIPE TO HAVE MIN 30 INCH COVER.

WATER LINE TO BE PLACED UNDER STORM SEWER AT CATCH BASIN.

REGISTERED PROFESSIONAL ENGINEER OREGON JULY 8, 1966 THOMAS L. ...

MAY 25 1982

"ROBINWOOD"

DATE	NO.	REVISION
2-10-75	5	R.P.V. BLOW OFF NOTE
2-10-75	4	6" G.V. FLG. HUB TO FLG. (ANT.)
12-6-74	3	REVISE P.H.
Nov. 15, 74	2	ADDED STREET DOMES
8-2-74	1	NEW ANTS. INS. & BLOW OFF

DRAWN DWW
SCALE 1"=50' DATE Nov '73
FILE 72-494-711-E-2

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WATER IMPROVEMENTS
RESIDENTIAL

12
14

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