SECTION A-A

SCALE: 1" = 2'-0"

LEGEND

⬡	STOP & STREET SIGN
▨	"208" SWALE AREA
◎	DRYWELL
–▷	CURB DROP
–w–	DIRECTION OF FLOW
- - -	DRAINAGE EASEMENT BOUNDARY

LOT 20 PLAN

SCALE: 1" = 50'

APPROVED FOR SPOKANE COUNTY ENG. By Gary A. Nelson 1-22-92 CONSTRUCTION

PERMIT REQUIRED ! NOTIFY THE PERMIT ENGINEER 456-3600 24 HRS. PRIOR TO CONSTRUCTION

J. PAUL RAMER STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

James V. Farmer
DEVELOPER

Date: 5-9-91

REVISIONS	
changed cul-de-sac elevs	9-30

RIVER WOOD DRIVE

RIVER WOOD ESTATES

Date APRIL 15, 1991
Drawn SMH
Checked
Field Book

SCALE
Horizontal 1" = 50'
Vertical 1" = 10'

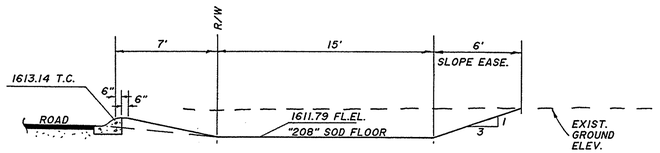
J. PAUL RAMER & ASSOC., INC.
CIVIL ENGINEERS & LAND SURVEYORS
N.10115 NEWPORT HWY. PH: 467-5261
SPOKANE, WASHINGTON 99218

Project No. 90155

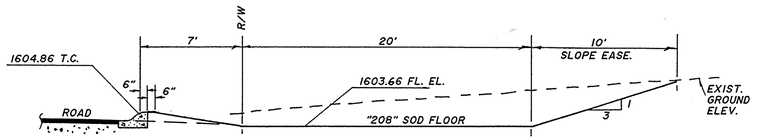
Sht 2 of 5

PROFILE B-B

SCALE: 1" = 20'



3D



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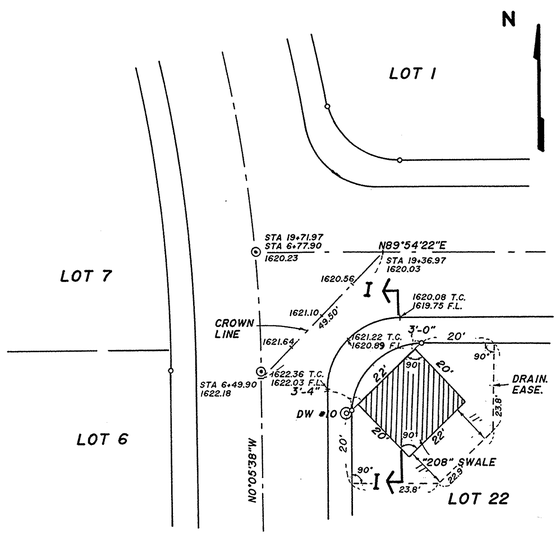
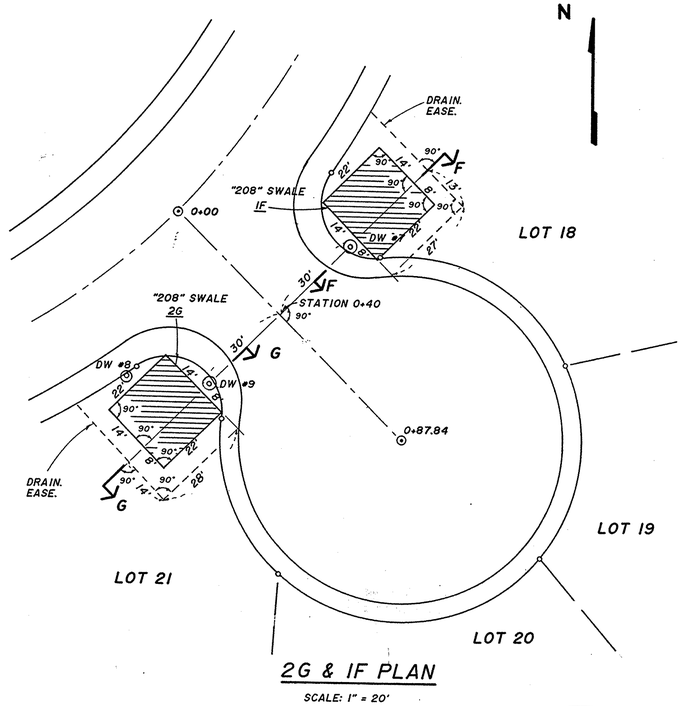


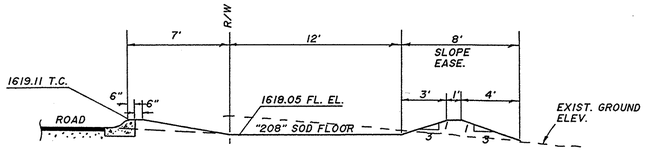
1I PLAN

SCALE: 1" = 20'



2G & 1F PLAN

SCALE: 1" = 20'



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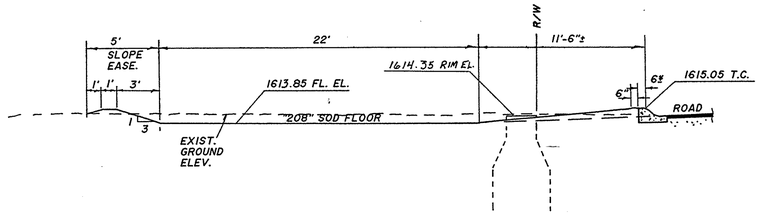
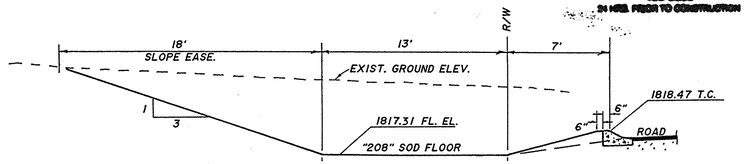


SECTION F-F



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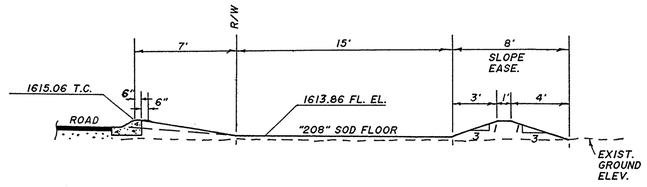
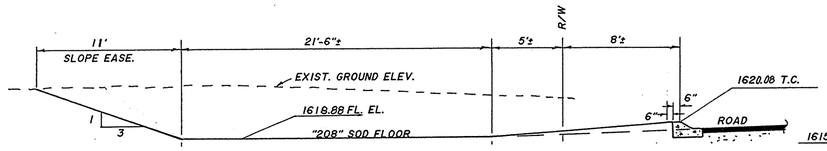
STATION 18+03

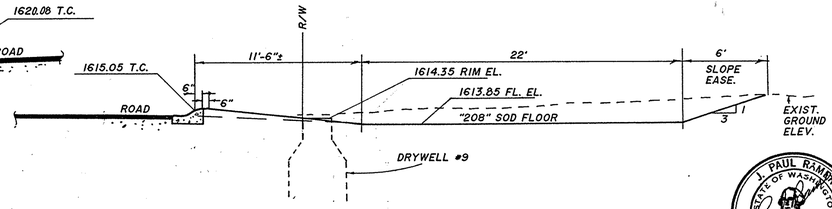


2E

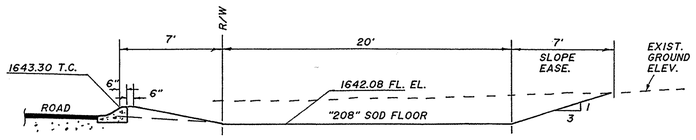
STATION 16+34



SECTION I-I



SECTION G-G



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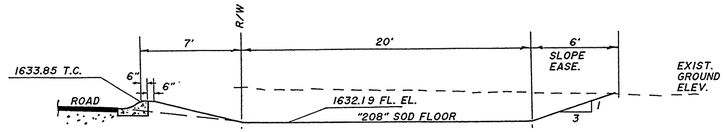
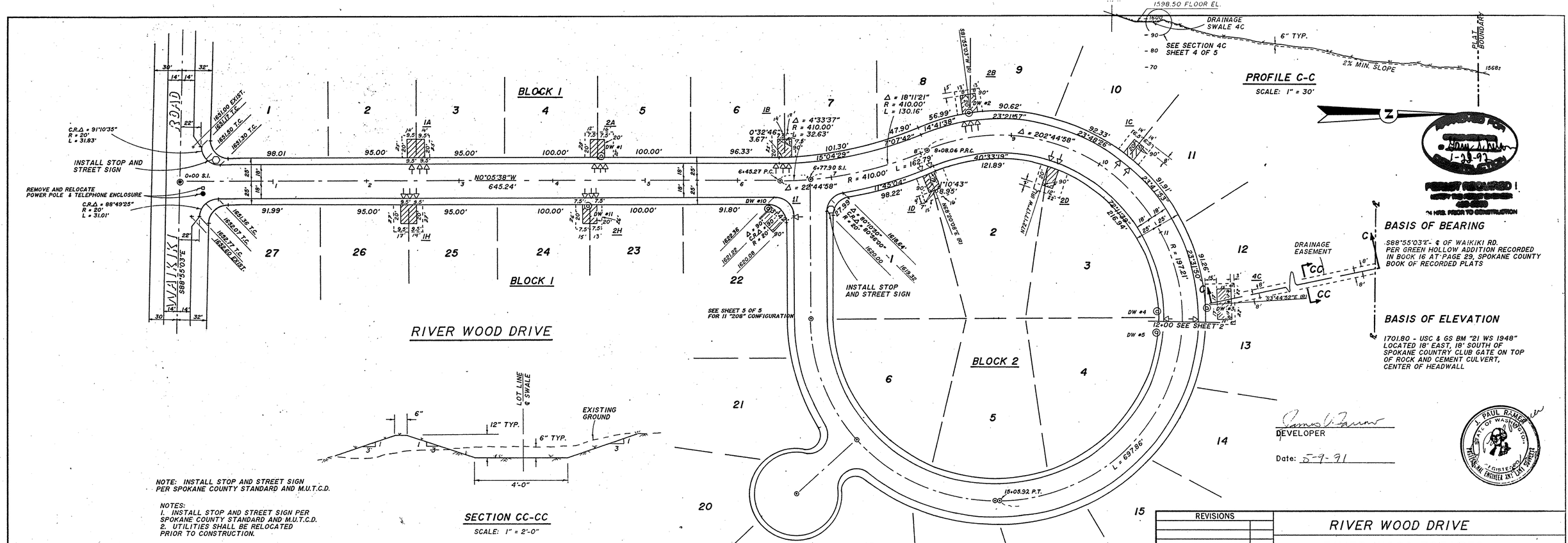


2H

James V. Farrow
DEVELOPER

Date: 5-9-91

REVISIONS		DETAILS	
		RIVER WOOD ESTATES	
Date MAY 6, 1991	SCALE	J. PAUL RAMER & ASSOC., INC.	Project No. 90155
Drawn SMH	Horizontal 1" = 5'-0"	CIVIL ENGINEERS & LAND SURVEYORS	
Checked	Vertical 1" = 5'-0"	N. 10115 NEWPORT HWY. PH: 467-5261	
Field Book		SPOKANE, WASHINGTON 99208	Sht 5 of 5



NOTE: INSTALL STOP AND STREET SIGN PER SPOKANE COUNTY STANDARD AND M.U.T.C.D.

NOTES:
1. INSTALL STOP AND STREET SIGN PER SPOKANE COUNTY STANDARD AND M.U.T.C.D.
2. UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION.

SECTION CC-CC
SCALE: 1" = 2'-0"

REVISIONS	

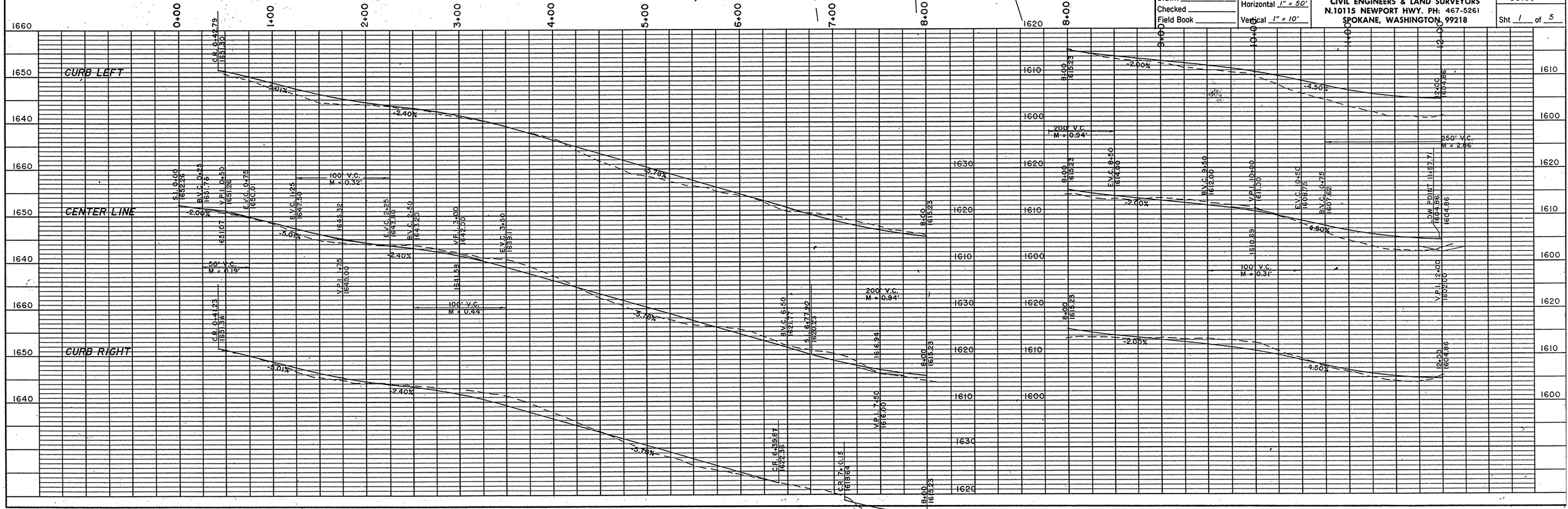
RIVER WOOD DRIVE
RIVER WOOD ESTATES

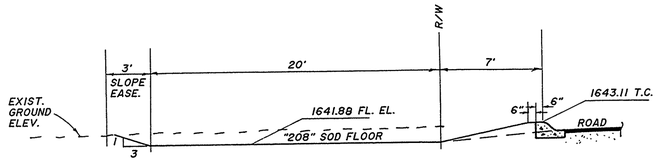
Date APRIL 15, 1991
Drawn SMH
Checked
Field Book

SCALE
Horizontal 1" = 50'
Vertical 1" = 10'

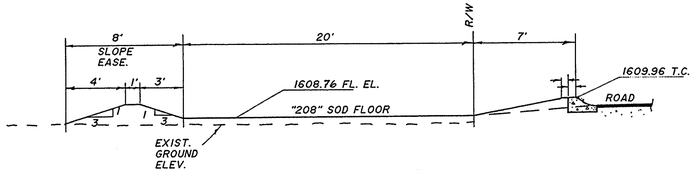
J. PAUL RAMER & ASSOC., INC.
CIVIL ENGINEERS & LAND SURVEYORS
N.10115 NEWPORT HWY. PH: 467-5261
SPOKANE, WASHINGTON 99218

Project No. 90155
Sht 1 of 5





1A



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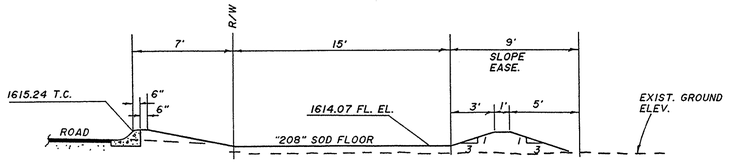

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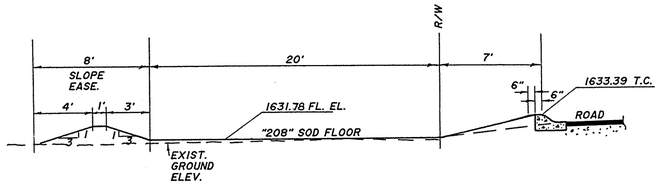

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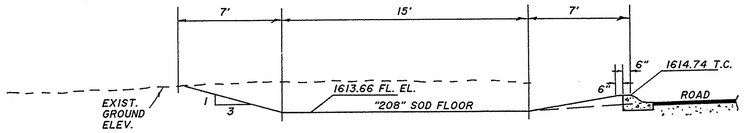

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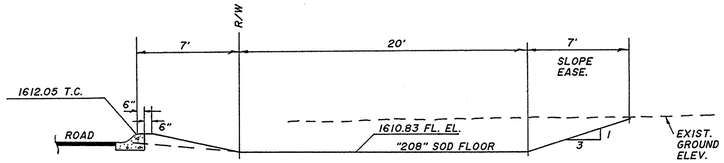

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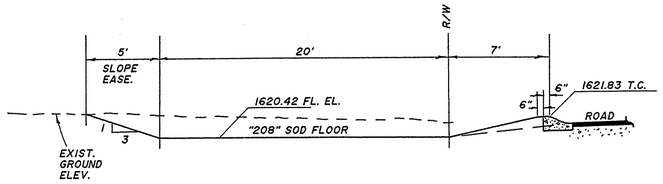

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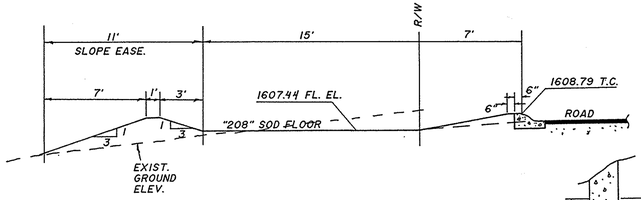

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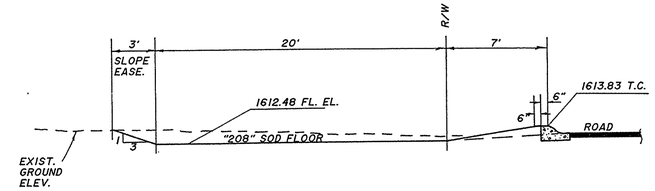

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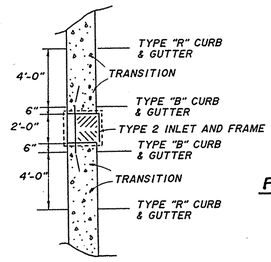
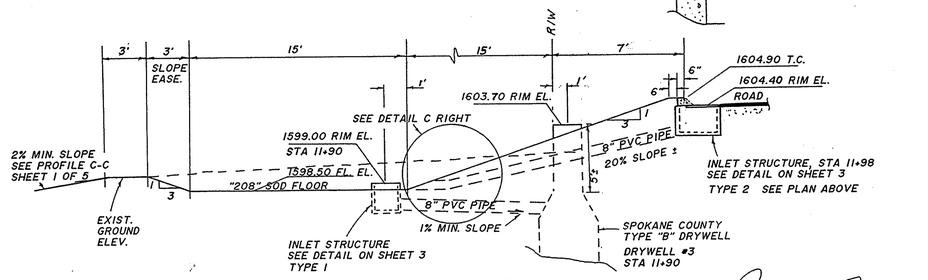
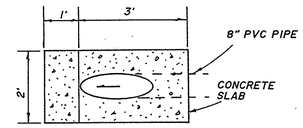


PLAN

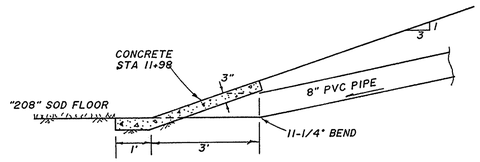


PROFILE

4C



PLAN



PROFILE

SEE SECTION "4C" LEFT

DETAIL C

SCALE: 1" = 2'-0"

NOTES:

1. All "208" Sections are at Lot Lines radial from center of curve unless otherwise noted or shown.
2. Sides of all "208" swales shall be a minimum of 12" above floor elevation.
3. "208" floors and sides shall be sod.

James V. Farmer
DEVELOPER

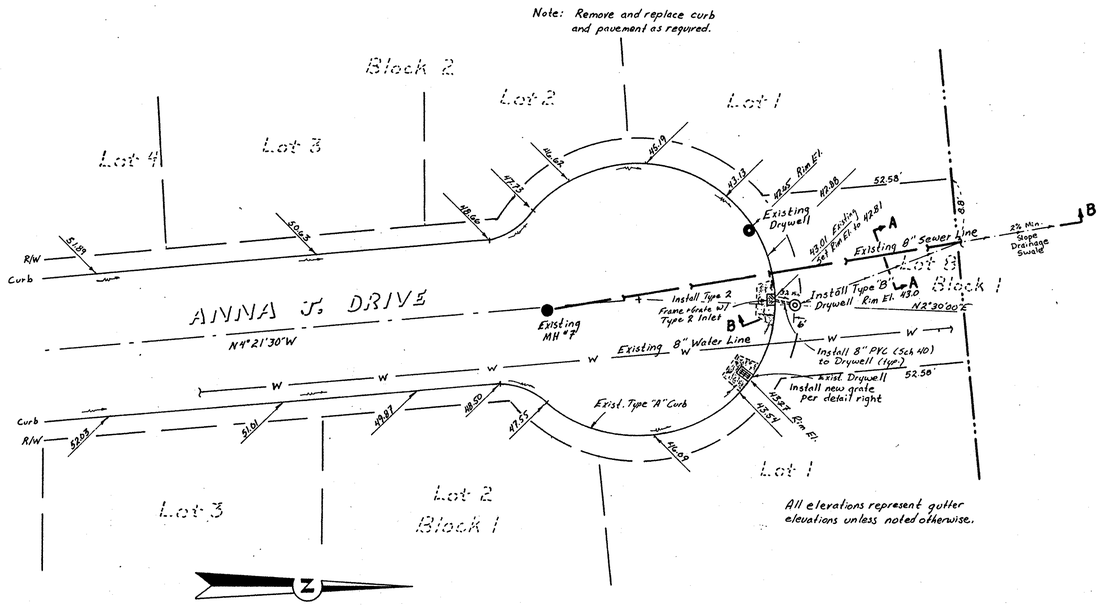
Date: 5-9-91

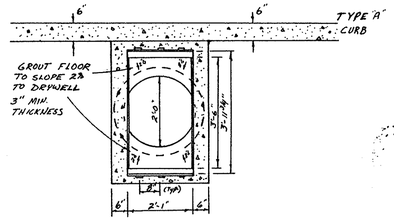
APPROVED FOR CONSTRUCTION
James V. Farmer
1-09-92
PERMIT REQUIRED
FOR WORK PRIOR TO CONSTRUCTION

J. PAUL RAMER
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

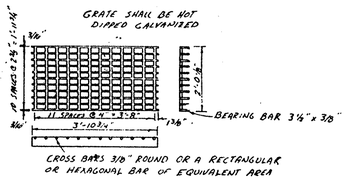
REVISIONS		DETAILS
		RIVER WOOD ESTATES

Date MAY 3, 1991	SCALE	J. PAUL RAMER & ASSOC., INC.	Project No. 90155
Drawn SMH	Horizontal 1" = 5'-0"	CIVIL ENGINEERS & LAND SURVEYORS	
Checked	Vertical 1" = 5'-0"	N. 10115 NEWPORT HWY. PH: 467-5261	Sht 4 of
Field Book		SPOKANE, WASHINGTON 99208	

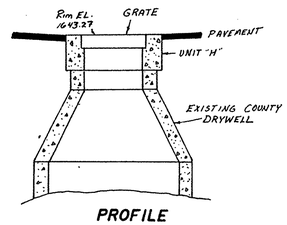




PLAN



GRATE A



PROFILE

GRATE INLET TO "208" MODIFIED DOT STANDARD PLAN B-4C

SCALE: 1" = 2'-0"

APPROVED FOR CONSTRUCTION
1-22-91

PERMIT REQUIRED !
NOTIFY THE PERMIT ENGINEER
466-3500
24 HRS. PRIOR TO CONSTRUCTION

J. PAUL RAMER 5431 STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER 10-21-91

James V. Tanner
RIVER WOOD ESTATES DEVELOPER

Date: 10-21-91

LEGEND

- Existing Drywell
- Install Type 'B' Drywell
- Install Type 2 Frame, Grate, & Inlet
- Install Sch 40 PVC Pipe
- —W— Existing 8" Water Line
- Existing Sewer Manhole
- Existing 8" Sewer Line
- Remove and Replace Curb and Asphalt Pavement

BASIS OF ELEVATION

1637.40 - INVERT ELEVATION, MH "7

REVISIONS			

ANNA J. DRIVE
PINE VILLA ADDITION

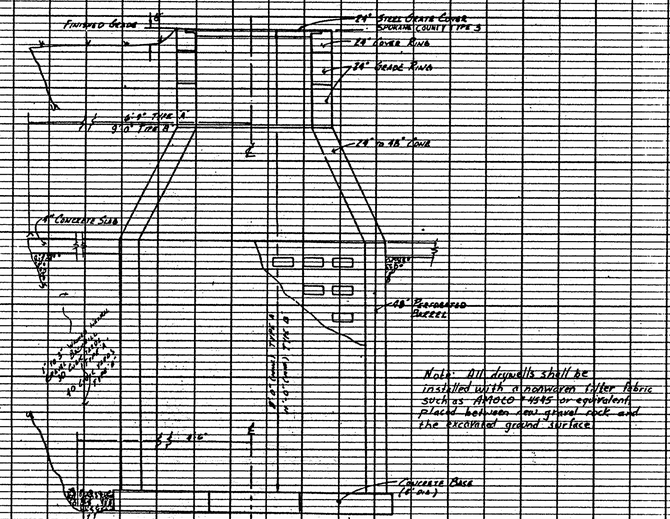
Date OCT. 21, 1991
Drawn SMH
Checked
Field Book

SCALE
Horizontal 1" = 20'
Vertical

J. PAUL RAMER & ASSOC., INC.
CIVIL ENGINEERS & LAND SURVEYORS
N.10115 NEWPORT HWY. PH: 467-5261
SPOKANE, WASHINGTON 99218

Project No. 9055

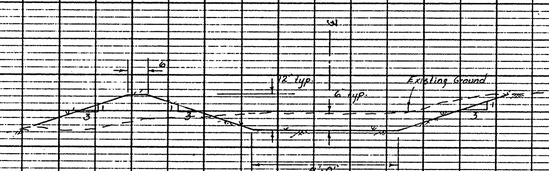
Sht 1 of 1



Note: All drywells shall be installed with a nonwoven filter fabric such as AMOCO 4545 or equivalent placed between rem. gravel rock and the excavated ground surface.

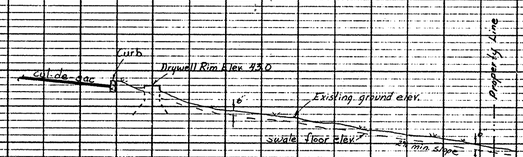
SPOKANE COUNTY DRYWELL

N.T.S.



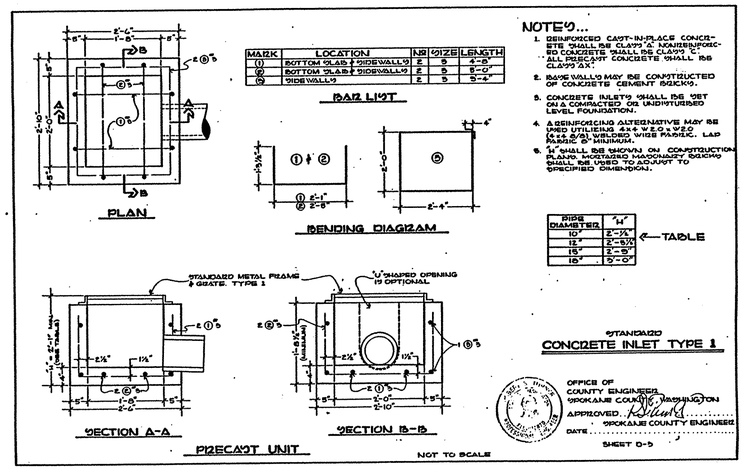
SECTION A-A

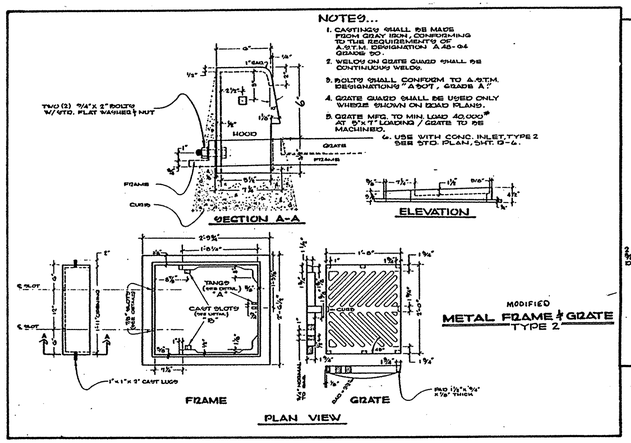
SCALE: 1" = 2'-0"



PROFILE B-B

SCALE: 1" = 10'





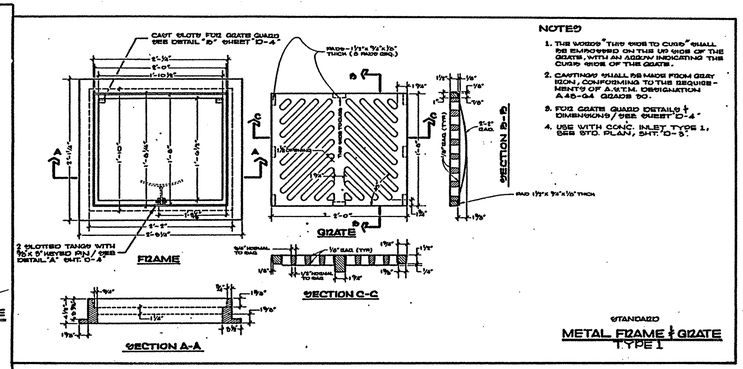


Table 3
Drywells

No.	Type	Station	Rim Elevation	Setback from ℄
1	"B"	4+48	1632.28	24'
2	"B"	8+62	1612.98	24'
3	"B"	11+90	1603.70	24'
4	"B"	11+85	1604.16	24'
5	"A"	12+15	1604.16	24'
6	"A"	16+40	1614.36	24'
7	"A"	0+40 ×	1614.35	26'
8	"B"	17+15	1614.35	26'
9	"B"	0+40 ×	1614.35	26'
10	"A"	6+38	1619.38	24'
11	"B"	4+39	1632.69	24'

× *CUL-DE-SAC STATIONS*

Table 2
"208" Table

"208"	Dimension W x L (FT)	Fl. Elev.
1A	19x20	1641.88
2A	15x20	1631.78
1B	15x20	1620.42
2B	16x20	1612.48
1C	13x20	1608.76
2C	7x15	1613.66
3C	16x15	1607.44
4C	34x15	1598.50
1D	14x19	1614.07
2D	12x20	1610.83
3D	11x15	1611.79
4D	40x20	1603.66
1E	12x12	1618.05
2E	25x15	1613.86
1F	22x22	1613.85
1G	20x13	1617.31
2G	22x22	1613.85
1H	19x20	1642.08
2H	15x20	1632.19
1I	20x22	1618.88

W = Parallel w/ curb
L = Dimension shown in cross section

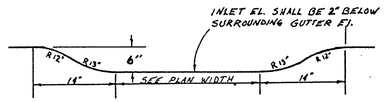
Table 4 CURB DROPS

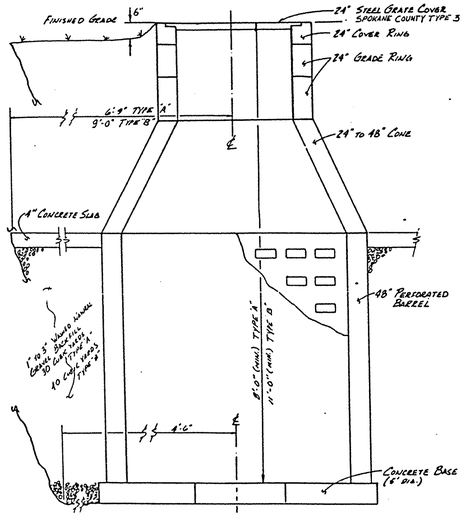
No.		Station	El.℄ (Top of Curb) Subtract 0.51 to ℄	Width
1A	1	2+46	1643.29	3'-0"
	2	2+54	1643.10	3'-0"
	3	2+62	1642.88	3'-0"
2A	1	4+42	1633.79	3'-7"
	2	4+49	1633.38	3'-7 "
	3	4+56	1632.98	3'-7"
1B	1	6+42	1622.23	3'-2"
	2	6+49	1621.83	3'-2"
	3	6+56	1621.42	3'-2"
2B	1	8+52	1613.96	3'-3"
	2	8+59	1613.82	3'-3"
	3	8+66	1613.68	3'-3"
1C	1	10+16	1610.14	3'-6"
	2	10+26	1609.76	3'-6"
2C	1	15+02	1614.66	2'-0"
	2	15+08	1614.77	2'-0"
3C	1	13+38	1608.44	2'-9"
	2	13+45	1608.77	2'-9"
	3	13+52	1609.09	2'-9"
4C		SEE INLET STRUCTURES, Table 5		
1D	1	7+95	1615.37	2'-9"
	2	8+05	1615.07	2'-9"
2D	1	9+50	1612.00	2'-4"
	2	9+58	1611.83	2'-4"
3D	1	14+35	1612.79	2'-2"
	2	14+44	1613.11	2'-2"
4D	1	11+98	1604.86	3'-3"
1E	1	18+19	1619.05	2'-3"
	2	18+28	1619.30	2'-3"
2E	1	16+34	1615.06	2'-0"
1F	1	CENTER RADIUS LOT 18	1615.05	2'-0"
1G	1	17+99	1618.31	4'-0"
	2	18+08	1618.66	4'-0"
	3	18+17	1618.96	4'-0"
2G	1	CENTER RADIUS LOT 21	1615.05	2'-6"
1H	1	2+40	1643.44	3'-0"
	2	2+47	1643.27	3'-0"
	3	2+54	1643.08	3'-0"
2H	1	4+35	1634.20	3'-10"
	2	4+42	1633.79	3'-10"
	3	4+49	1633.39	3'-10"
1I	1	19+33	1620.08	2'-0"

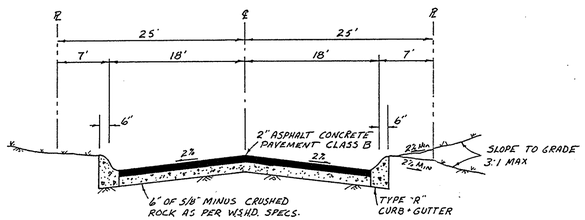
APPROVED FOR CONSTRUCTION
1-31-91
PERMIT REQUIRED !
NOTIFY THE PERMIT ENGINEER 456-2020
24 HRS. PRIOR TO CONSTRUCTION

Table 5
Inlets

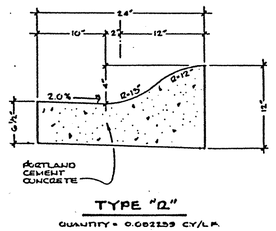
No.	Station	Rim El.	Setback from ℄	
12	11+98.00	1604.40	16' ℄	TYPE 2
13	11+90.00	1599.00	41' ℄	TYPE 1

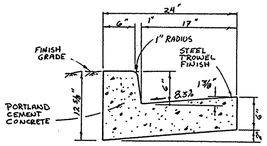






Note: All silt shall be removed from the road and "208" swales prior to construction as directed by the Spokane County Engineer.





DEVELOPER
Date: 5-9-91

J. PAUL RAMER — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

REVISIONS		DETAILS
		RIVER WOOD ESTATES

Date APRIL 29, 1991
Drawn SMH
Checked
Field Book

SCALE
Horizontal
Vertical

J. PAUL RAMER & ASSOC., INC.
CIVIL ENGINEERS & LAND SURVEYORS
N. 10115 NEWPORT HWY. PH: 487-1658
SPOKANE, WASHINGTON 99208

Project No. 90155
Sht 3 of 5