1st ADDITION TO RIDGEMONT ESTATES NO. 3
STREET PLANS

SECTION 25, T.25 N., R44 E., W.M.
SPOKANE COUNTY, WASHINGTON

TABLE OF CONTENTS

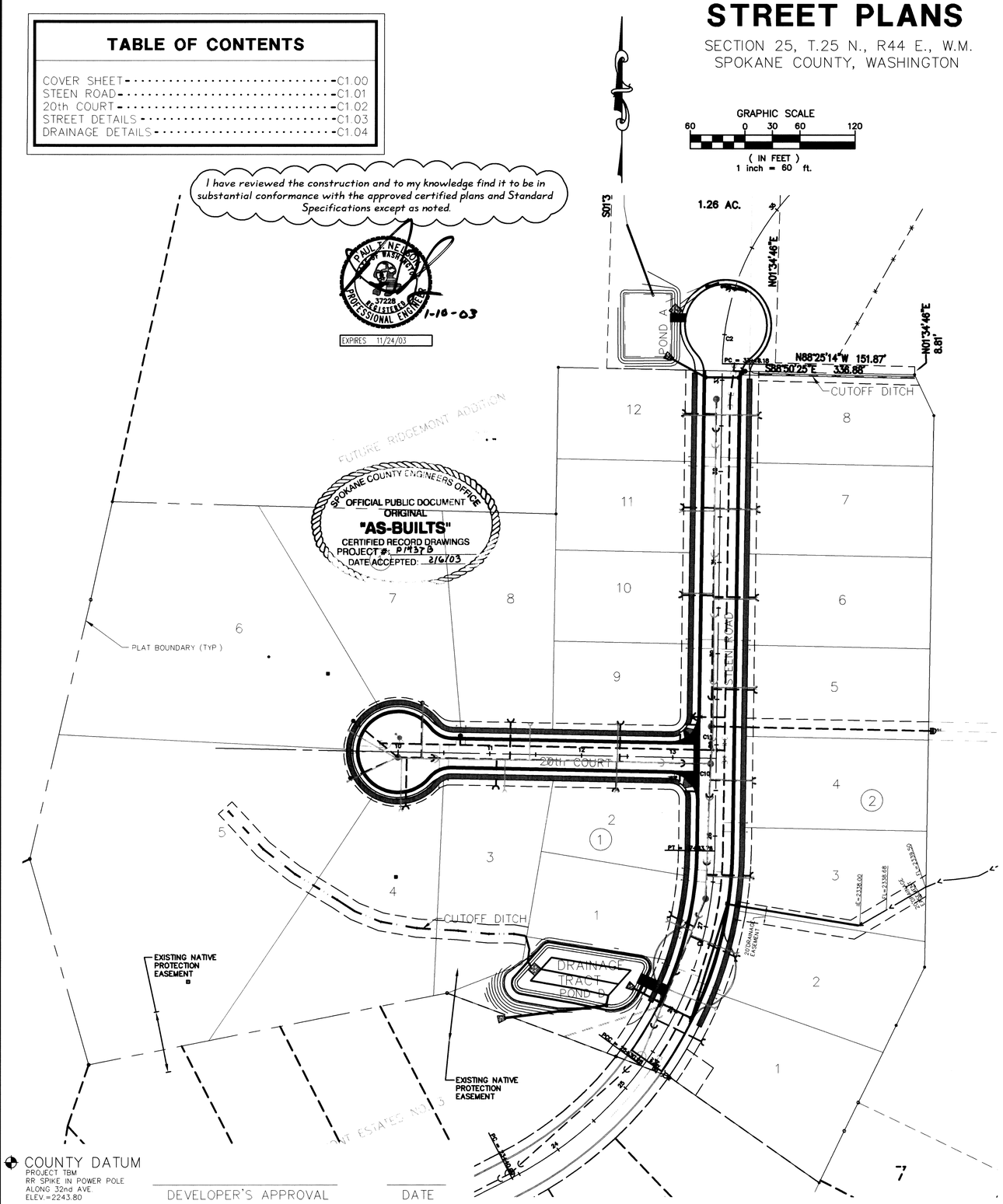
COVER SHEET C1.00
STEEN ROAD C1.01
20th COURT C1.02
STREET DETAILS C1.03
DRAINAGE DETAILS C1.04

I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.

PAUL E. NELSON — STATE OF WASHINGTON — 37228 — REGISTERED PROFESSIONAL ENGINEER — 1-10-03

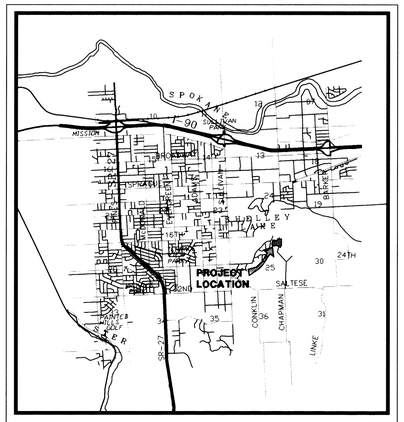
EXPIRES 11/24/03

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1437B
DATE ACCEPTED: 2/6/03



COUNTY DATUM
PROJECT TBM
RR SPIKE IN POWER POLE
ALONG 32nd AVE.
ELEV.=2243.80

DEVELOPER'S APPROVAL — DATE



VICINITY MAP

NOTES

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 1999", AND AS AMENDED.
2. THE CONTRACTOR IS REQUIRED TO HAVE A VALID CONSTRUCTION PERMIT ON SITE AT ALL TIMES. THE ABSENCE OF THE PERMIT WILL RESULT IN AN IMMEDIATE SHUTDOWN OF WORK AND THE POSSIBLE REMOVAL OF THOSE ITEMS CONSTRUCTED WITHOUT THE PERMIT.
3. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
4. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
5. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, DAVID RANDALL, @ 458-6840, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, S.T.I. NORTHWEST BRUCE HOWARD @ 534-9711 AND THE SPOKANE COUNTY ENGINEER'S OFFICE, @ 456-3600.
6. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.
7. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL CATCH BASINS FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC UNDER THE LID FOR AT LEAST 6 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED.
8. IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE CATCH BASINS THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE CATCH BASIN OUT TO THE SATISFACTION OF THE CERTIFYING ENGINEER.
9. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS-GUTTER FORMS ARE THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS-GUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE GUTTER.
10. FOR ANY CURB GRADES LESS THAN 0.8% (0.0080FT./FT.), A WASHINGTON STATE-LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.

DRYLAND GRASS SEED MIX

SPOKANE COUNTY PUBLIC WORKS, FEBRUARY 1998

GRASS SEED: PROVIDE FRESH, CLEAN, NEW CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

20 PERCENT	ELKA PERENNIAL RYE
20 PERCENT	DURAR HARD FESCUE
45 PERCENT	COVAR SHEEP/FESCUE
15 PERCENT	REUBENS CANADIAN BLUEGRASS

PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:

GRASS SEED: 90 LBS. PER ACRE
FERTILIZER: 16-16-16 TIMED RELEASE COMPOSITION, 300 LBS. PER ACRE.

ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE W.S.D.O.T. STANDARD SPECIFICATIONS, SEC. 8-01.

11. ALL CURB DROP INLETS ARE TO HAVE A 2" DEPRESSION PER FIGURE 48, PAGE 6-84 OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ALL GUTTER INLETS SHALL BE CONSTRUCTED PER STANDARD DETAIL B-18.
12. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED OR CONSTRUCTED, UNLESS SPECIFICALLY NOTED OTHERWISE.

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO APPLICABLE EDITIONS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ALL DESIGN DEVIATIONS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. I APPROVE THESE PLANS FOR CONSTRUCTION.

DAVID N. RANDALL — STATE OF WASHINGTON — 29984 — REGISTERED PROFESSIONAL ENGINEER

EXPIRES 07/04/02

DEVELOPER'S APPROVAL — DATE

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

LEGEND

EXISTING		PROPOSED
	GENERAL	
	ROADWAY CENTER LINE	
	SECTION LINE	
	RIGHT OF WAY LINE	
	PROPERTY LINE	
	EASEMENT LINE	
	FENCE	
	CURB	
	PAVEMENT	
	GRAVEL	
	CONCRETE	
	BUILDINGS & STRUCTURES	
	SANITARY SEWER	
	SANITARY SEWER	
	MANHOLE	
	CLEANOUT	
	SEWER SERVICE	
	WATER	
	WATER LINE	
V	VALVE	V
FH	FIRE HYDRANT	
WS	SERVICE	WS
WM	METER	WM
BLOWOFF	BLOWOFF	FH, BLOWOFF
A.V.R.S.	AIR VACUUM RELIEF STATION	A.V.R.S.
	STORM DRAINAGE	
CB	DRAINAGE LINE	
MH	MANHOLE	MH
CB	CATCH BASIN	CB

RECORD DRAWING

ABBREVIATIONS

ACT. L.	ACTUAL LENGTH
BDRY	BOUNDARY
CO	SEWER CLEANOUT
DIA.	DIAMETER
EL	ELEVATION
EXIST	EXISTING
G	GRADE
HYD	HYDRANT
IN EL	INVERT ELEVATION
LN	LANE
LT	LEFT
MH	MANHOLE
PC	POINT OF CURVE
PT	POINT OF TANGENCY
PRC	POINT OF REVERSE CURVE
RD	ROAD
RIM EL	RIM ELEVATION
RT	RIGHT
SS	SANITARY SEWER
S	SLOPE
SI	STREET INTERSECTION
STA.	STATION
STA. L	STATION LENGTH
WM	WATER MAIN
W/	WITH

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, WA 99204
Phone: (509) 458-6840
Fax: (509) 458-6844

PREPARED UNDER THE DIRECT SUPERVISION OF
DAVID N. RANDALL, P.E.
WASHINGTON REGISTRATION NO. 29984
FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
04/26/01	PRELIMINARY SUBMITTAL
07/09/01	2ND SUBMITTAL
07/30/01	3RD SUBMITTAL
01/04/02	BOND REDUCTION REQUEST
01/31/02	RECORD DRAWING

Project Number: S000460
CLC Job Number: S000460
Drawn By: SMM, MEK
Designed By: SMM
Checked By: JSF

THESE PLANS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROTECTED BY COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS INCLUDING COPYRIGHT. THEY MAY NOT BE REPRODUCED OR USED FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF C.L.C. ASSOCIATES, INC. (AN AFFILIATE OF COLORADO LAND CONSULTANTS, INC.)

STREET CONSTRUCTION PLANS
1st ADDITION TO RIDGEMONT ESTATES #3
COVER SHEET
SPOKANE COUNTY, WASHINGTON

Sheet Title: STREET PLAN

C1.00
Sheet Number

P-1437B Eng As-Built

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

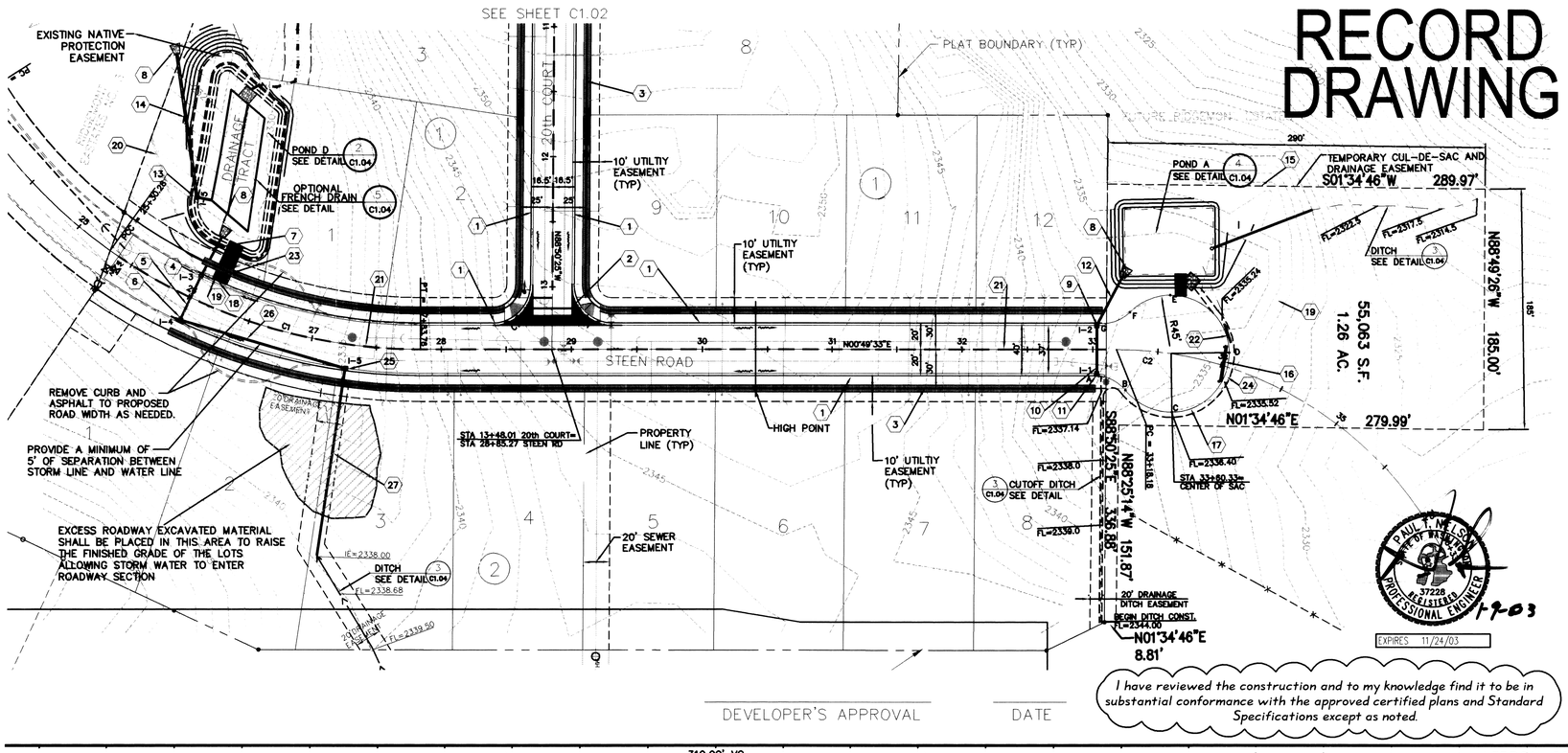
CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	410.00	253.48	130.94	249.46	35°25'21"
C2	280.00	315.61	176.95	299.16	64°34'55"
C10	30.00	45.97	28.87	41.60	87°47'56"
C11	30.00	45.97	28.87	41.60	87°47'56"

SECTION 25, T.25 N., R44 E., W.M.
SPOKANE COUNTY, WASHINGTON

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

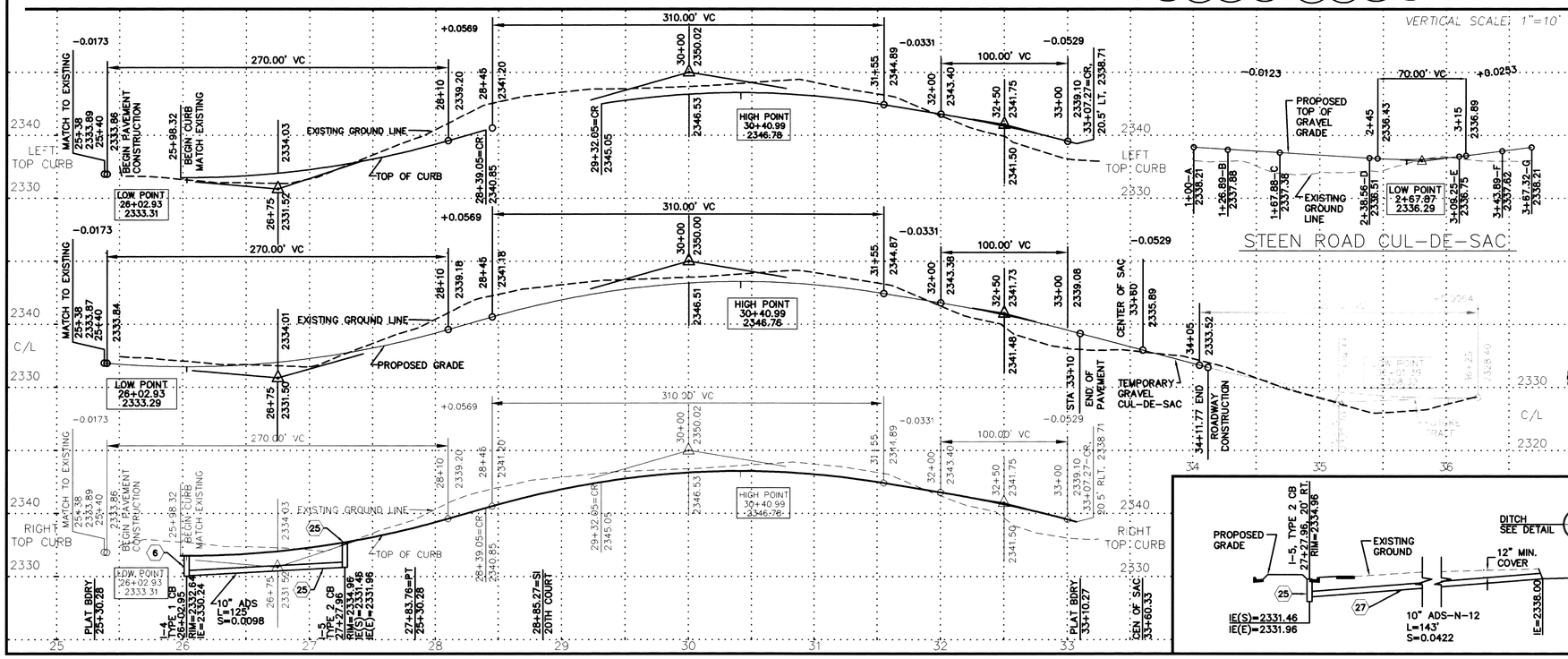
COUNTY DATUM
PROJECT TBM RR SPIKE IN POWER POLE ALONG 32nd AVE
ELEV = 2243.80

RECORD DRAWING



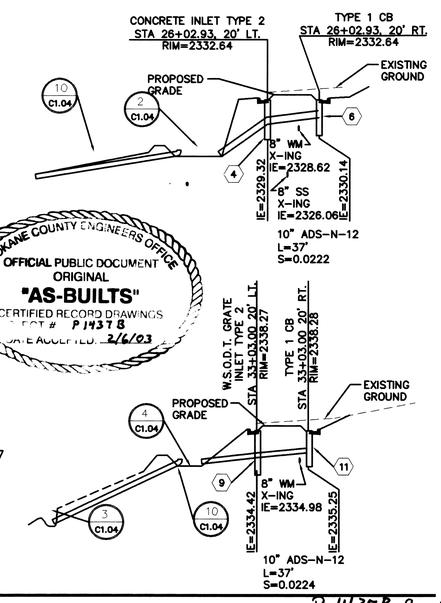
DEVELOPER'S APPROVAL DATE

I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.



CONSTRUCTION NOTES:

1. TYPE B CURB PER SPOKANE COUNTY STANDARD PLAN A-3 WITH CURB CUTS FOR DRIVEWAYS LOCATED AT THE DIRECTION OF THE OWNER.
2. TYPE 1 CONCRETE CROSS GUTTER PER SPOKANE COUNTY STANDARD PLAN B-18.
3. 5' WIDE CEMENT CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLANS A-4 AND A-5.
4. STA. 26+02.93, 20' LT, CONCRETE INLET TYPE 2 AND METAL GRATE TYPE 3 PER SPOKANE COUNTY STD. PLANS B-6 AND B-14. TC ELEV=2333.31, RIM ELEV=2332.64.
5. 37 L.F. OF 10" ADS-N-12, S=0.0222, IE(E)=2330.14, IE(W)=2329.32.
6. STA. 26+02.93, 20' RT, TYPE 1 CATCH BASIN WITH METAL FRAME AND GRATE TYPE 3 STD. PLANS B-4 AND B-14. TC ELEV=2333.31, RIM ELEV=2332.64.
7. 32.50 L.F. OF 10" ADS-N-12, S=0.0345, IE(E)=2329.22, IE(W)2328.10.
8. RIP RAP PAD. SEE DETAIL 6/C1.04
9. STA. 33+03.00, 20' LT, TYPE 1 CATCH BASIN W/TYPE 2 METAL FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS, B-4, B-11, AND B-13. TC ELEV=2338.95, RIM ELEV=2338.28.
10. 37 L.F. OF 10" ADS-N-12, S=0.0224, IE(E)=2335.25, IE(W)=2334.42.
11. STA. 33+03.00, 20' RT, W.S.D.O.T. GRATE INLET TYPE 2 PER W.S.D.O.T. STD. PLANS B-4C. TC ELEV=2338.94, RIM ELEV=2338.27.
12. 41 L.F. OF 10" ADS-N-12, S=0.0322, IE(E)=2334.32, IE(W)=2333.00
13. W.S.D.O.T. GRATE INLET TYPE 2 PER W.S.D.O.T. STD. PLANS B-4 C. RIM ELEV=2327.16.
14. 111 L.F. OF 18" ADS-N-12, S=0.0126, IE(E)=2324.0, IE(W)=2322.60
15. TEMPORARY ACCESS AND DRAINAGE EASEMENT.
16. 25 L.F. OF TYPE III BARRICADE WITH "END OF ROADWAY" SIGN W15-1.
17. TEMPORARY GRAVEL CUL-DE-SAC. NO CURB REQUIRED.
18. DRIVEWAY DROP.
19. 12' MAINTENANCE ACCESS DRIVE WITH MINIMUM OF 6" OF C.S.T.C. AT 5% SLOPE MAXIMUM.
20. REMOVE EXISTING STORMWATER PIPING.
21. 4" YELLOW SKIP STRIPE. SEE DETAIL 1/C1.02
22. 15 L.F. OF 10" ADS-N-12, S=0.01, IE(W)=2335.35, IE(E)=2335.50
23. REINFORCE 16 L.F. OF 4" CONCRETE SIDEWALK WITH 6"x6"-W1.4xW1.4 WELDED WIRE FABRIC AND PROVIDE A MINIMUM OF 4" OF CRUSHED SURFACING TOP COURSE UNDER THE SIDEWALK.
24. TEMPORARY DRAINAGE DITCH. SEE DETAIL 3/C1.04
25. WSDOT GRATE INLET, TYPE 2 PER WSDOT STD PLAN B-4C. RIM ELEV=2334.96
26. 125 L.F. OF 10" ADS-N-12, S=0.0098, IE(S)=2330.24, IE(N)=2331.46
27. 143 L.F. OF 10" ADDS-N-12, S=0.0422, IE(W)=2331.96, IE(E)=2338.00



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PERMIT # P 1437 B
DATE ACCEPTED: 2/6/03

P-1437B Eng As-Built

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, WA 99204
Phone: (509) 458-6840
Fax: (509) 458-6844

DAVID N. RANDALL
STATE OF WASHINGTON
26984
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 07/04/02

PREPARED UNDER THE DIRECT SUPERVISION OF DAVID N. RANDALL, P.E. WASHINGTON REGISTRATION NO. 26984 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
04/26/01	PRELIMINARY SUBMITTAL
07/09/01	2ND SUBMITTAL
07/30/01	3RD SUBMITTAL
01/04/02	BOND REDUCTION REQUEST
01/31/02	RECORD DRAWING

Project Number: S000460
CLC Job Number: S000460
Drawn By: SMM, MEK
Designed By: JFS
Checked By: DNR

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STREET CONSTRUCTION PLANS
1st ADDITION TO
RIDGEMONT ESTATES NO. 3
STEEN ROAD STA. 25+30.28 TO STA. 32+18.14
SPOKANE COUNTY, WASHINGTON

Sheet Title: STREET PLAN
Sheet Number: C1.01

SECTION 25, T.25 N., R44 E., W.M.
SPOKANE COUNTY, WASHINGTON

RECORD DRAWING

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

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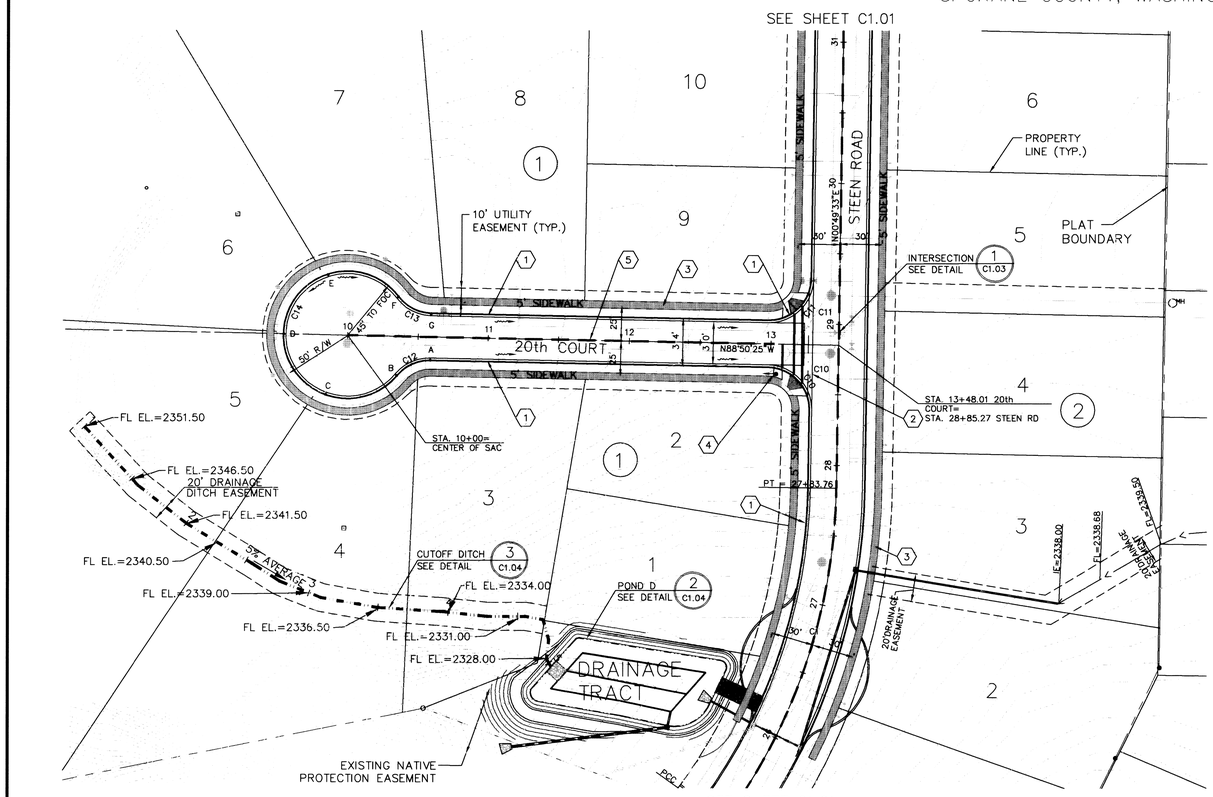
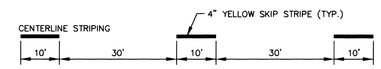


COUNTY DATUM
PROJECT TBM RR SPIKE IN POWER POLE ALONG 32nd AVE.
ELEV.=2243.80

CONSTRUCTION NOTES:

1. TYPE "B" CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3. WITH CURB CUTS FOR DRIVEWAYS LOCATED AT THE DIRECTION OF THE OWNER.
2. CONCRETE CROSS GUTTER TYPE "1" PER SPOKANE COUNTY STANDARD PLAN B-18.
3. 5' WIDE CEMENT CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLANS A-4 AND A-5.
4. STREET NAME SIGN AND STOP SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
5. 4" YELLOW SKIP STRIPE. SEE DETAIL THIS SHEET.



STRIPING DETAIL 1
NOT TO SCALE

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	30.00	45.97	28.87	41.60	87°47'56"
C11	30.00	45.97	28.87	41.60	87°47'56"
C12	30.00	27.06	14.53	23.76	51°41'03"
C13	30.00	27.06	14.53	23.76	51°41'03"
C14	45.00	222.56	35.56	55.80	283°22'06"

UPDATED CUL-DE-SAC

DEVELOPER'S APPROVAL DATE

DAVID N. RANDALL
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 07/04/02

PREPARED UNDER THE DIRECT SUPERVISION OF DAVID N. RANDALL, P.E. WASHINGTON REGISTRATION NO. 26984 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
04/26/01	PRELIMINARY SUBMITTAL
07/06/01	2ND SUBMITTAL
07/30/01	3RD SUBMITTAL
11/13/01	UPDATED CUL-DE-SAC CURB/CURB TABLE
01/04/02	BOND REDUCTION REQUEST
01/31/02	RECORD DRAWING

Project Number: S000460
CLC Job Number: S000460
Drawn By: SMM, MEK
Designed By: JFS
Checked By: DNR

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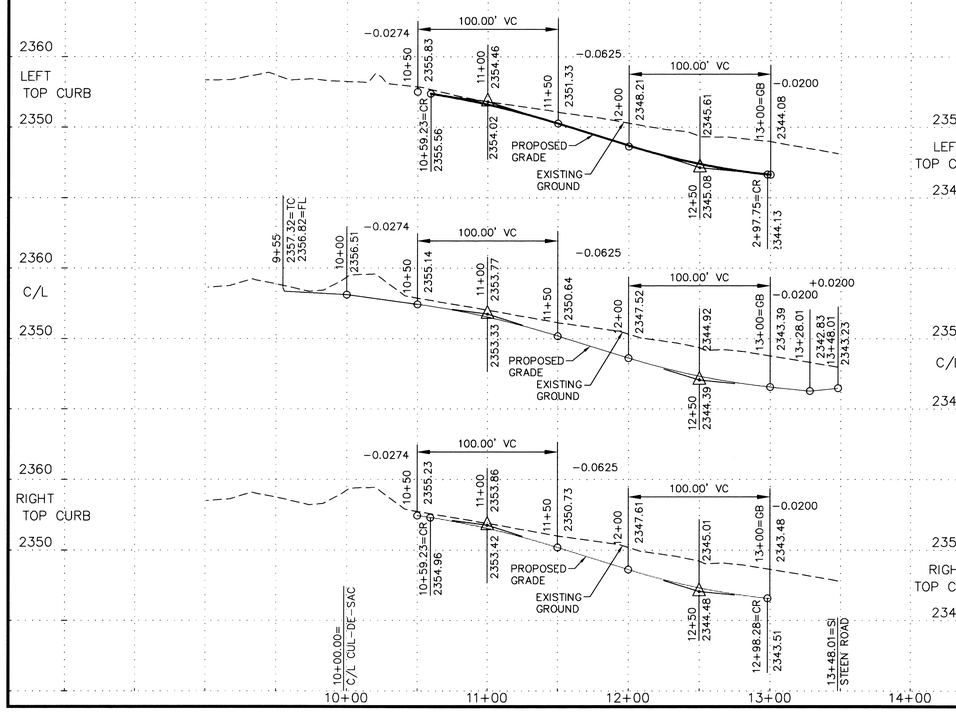
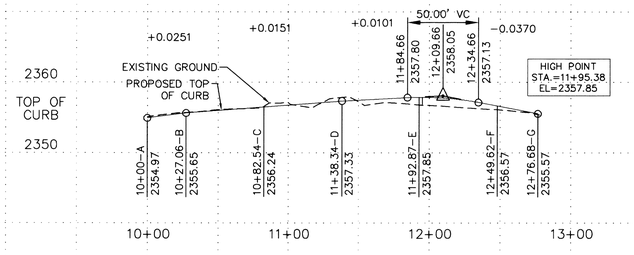
VERTICAL SCALE: 1"=10'



I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.

PAUL J. NORTON
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
37228
1-9-03
EXPIRES: 11/24/03



20TH. COURT CUL-DE-SAC

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1437 B
DATE ACCEPTED: 2/6/03

STREET CONSTRUCTION PLANS
1st ADDITION TO
RIDGEMONT ESTATES NO. 3
20th COURT STA. 10+00 TO STA. 13+48.27
SPOKANE COUNTY, WASHINGTON

Sheet Title
STREET PLAN

C1.02
Sheet Number

P-1437B Eng As-Built

SECTION 25, T.25 N., R44 E., W.M.
SPOKANE COUNTY, WASHINGTON

RECORD DRAWING

UNDERGROUND SERVICE ALERT
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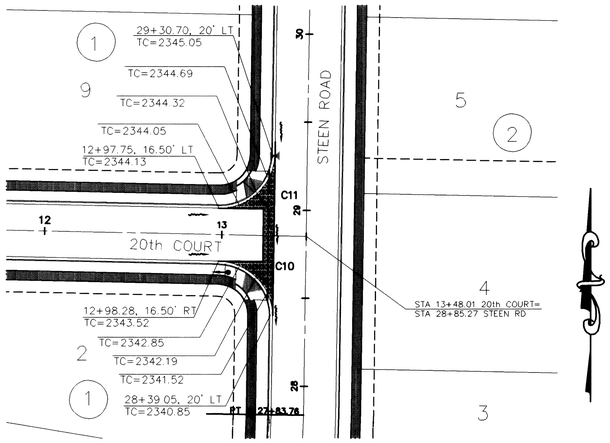
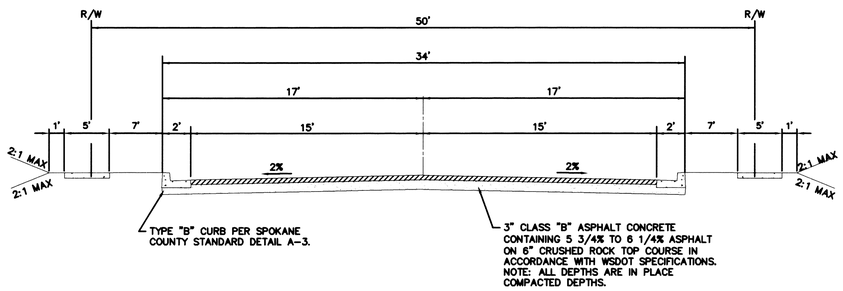
DAVID N. RANDALL
STATE OF WASHINGTON
26984
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 07/04/02

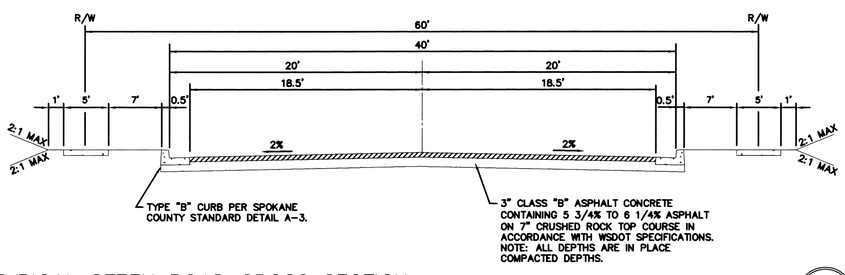
PREPARED UNDER THE DIRECT SUPERVISION OF
DAVID N. RANDALL, P.E.
WASHINGTON REGISTRATION
NO. 26984
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.



INTERSECTION
1"=40'
1



TYPICAL 20TH COURT CROSS SECTION
NOT TO SCALE
3



TYPICAL STEEN ROAD CROSS SECTION
NOT TO SCALE
4

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1437B
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I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.

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STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
1-9-03
EXPIRES 11/24/03

Date	Description
04/26/01	PRELIMINARY SUBMITTAL
07/09/01	2ND SUBMITTAL
07/30/01	3RD SUBMITTAL
01/04/02	BOND REDUCTION REQUEST
01/31/02	RECORD DRAWING

Project Number:	S000460
CLC Job Number:	S000460
Drawn By:	SMM
Designed By:	JSF
Checked By:	DNR

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STREET CONSTRUCTION PLANS
1st ADDITION TO
RIDGEMONT ESTATES NO. 3
DETAILS
SPOKANE COUNTY, WASHINGTON

Sheet Title
STREET DETAILS

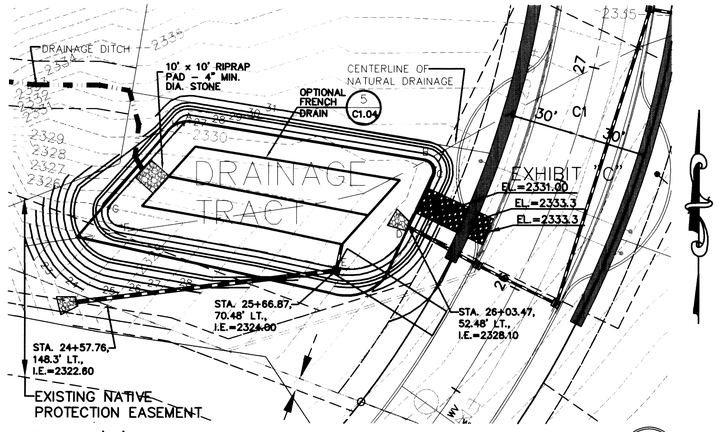
C1.03
Sheet Number

COUNTY DATUM
PROJECT TBM RR SPIKE IN POWER POLE ALONG 32nd AVE.
ELEV.=2243.80

DEVELOPER'S APPROVAL DATE

P.1437B P1437B Eng As-built

SECTION 25, T.25 N., R44 E., W.M.
SPOKANE COUNTY, WASHINGTON



POND 'D'

SCALE 1" = 30'
POND BOTTOM ELEV = 2326.83
POND BOTTOM AREA = 5,703 S.F.
PERIMETER = 326.3 L.F.

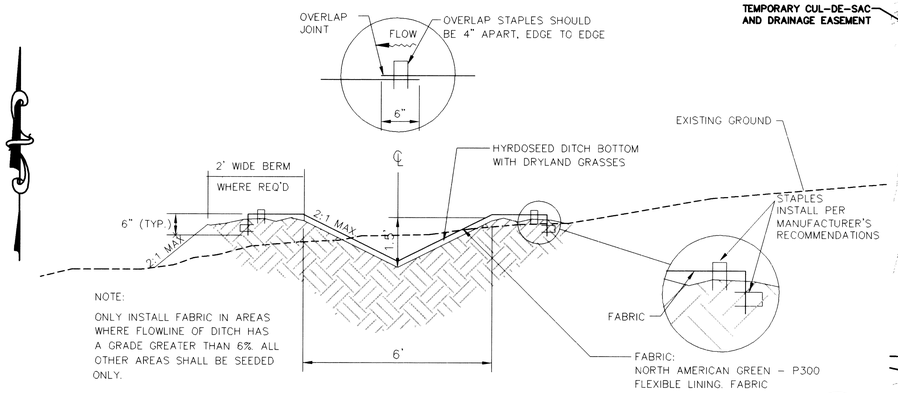
TOP OF BERM = 2329.5
REQUIRED '208' VOLUME = 3,078 C.F.

APPROXIMATE VOLUME PROVIDED AT 6" DEPTH = 3750 CF

	POND BOTTOM DIMENSION TABLE		
	POINTS	LENGTH	
100'	A–B	~~101.31'~~	
85'	B–C	~~8.54'~~	4.6'R
47'	C–D	~~25.33'~~	
24'	D–E	~~36.61'~~	26.5'
110'	E–F	~~93.34'~~	
	F–G	~~10.89'~~	6'R
57'	G–H	~~47.20'~~	
12'	H–A	~~3.02'~~	2.6'R

POND BOTTOM LOCATION TABLE (STEEN ROAD STATION & OFFSET)		
POINT	STATION	OFFSET
A	26+02.08	155.44' LT.
B	26+36.70	57.33' LT.
C	26+31.15	51.77' LT.
D	26+02.30	52.69' LT.
E	25+69.02	69.33' LT.
F	25+16.37	156.26' LT.
G	25+21.63	165.57' LT.
H	25+98.64	157.67' LT.

2



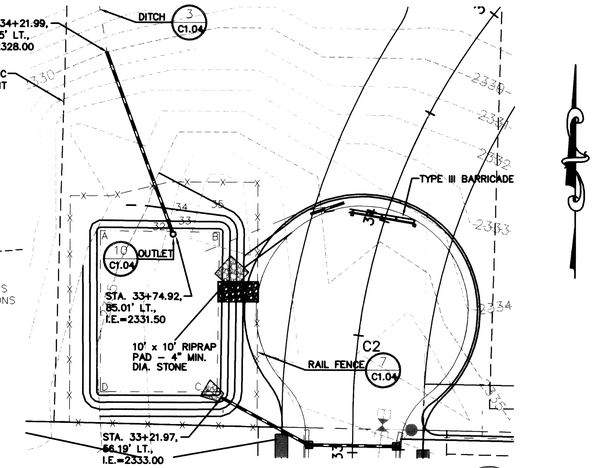
NOTE:
ONLY INSTALL FABRIC IN AREAS WHERE FLOWLINE OF DITCH HAS A GRADE GREATER THAN 6%. ALL OTHER AREAS SHALL BE SEEDED ONLY.

DITCH CROSS-SECTION

NOT TO SCALE

3

RECORD DRAWING



POND 'A'

SCALE 1" = 30'
POND BOTTOM ELEV = 2331.50
POND BOTTOM AREA = 3111 S.F.
PERIMETER = 346.75 L.F.

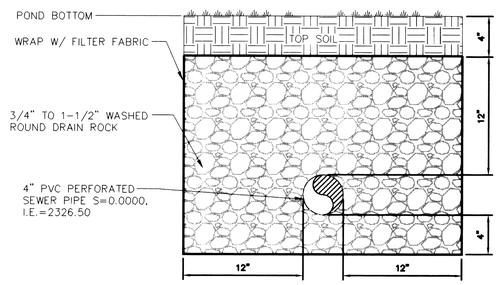
TOP OF BERM = 2333.0
REQUIRED '208' VOLUME = 713 C.F.

APPROXIMATE VOLUME PROVIDED AT 6" DEPTH = 1784 CF

	POND BOTTOM DIMENSION TABLE	
	POINTS	LENGTH
53'	A–B	~~50.81'~~
67'	B–C	~~67.86'~~
49'	C–D	~~49.75'~~
66'	D–E	~~68.48'~~

POND BOTTOM LOCATION TABLE (STEEN ROAD STATION & OFFSET)		
POINT	STATION	OFFSET
A	33+71.11	115.81' LT.
B	33+79.02	66.02' LT.
C	33+23.77	57.03' LT.
D	33+22.45	107.89' LT.

4

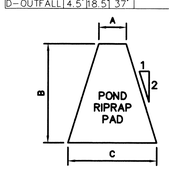


FRENCH DRAINAGE DETAIL (OPTIONAL)

NOT TO SCALE

5

POND	A	B	C	RIP-RAP (MIN. DIA.)
A	2.5'	8.5'	17'	3"
D	2.5'	13'	26'	3"
D-OUTFALL	4.5'	18.5'	37'	3"

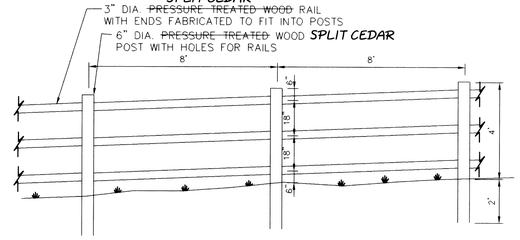


NOTE: PROVIDE A GEOTEXTILE FABRIC UNDER EACH RIP-RAP PAD. FABRIC SHALL BE NORTH AMERICAN GREEN-P300 FLEXIBLE LINING FABRIC.

TYPICAL RIPRAP PAD

NOT TO SCALE

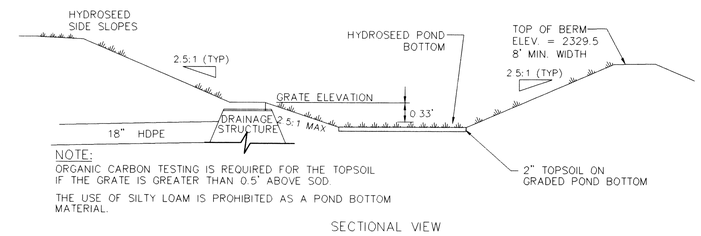
6



RAIL FENCE DETAIL

NOT TO SCALE

7



NOTE:
ORGANIC CARBON TESTING IS REQUIRED FOR THE TOPSOIL IF THE GRATE IS GREATER THAN 0.5' ABOVE SOD.

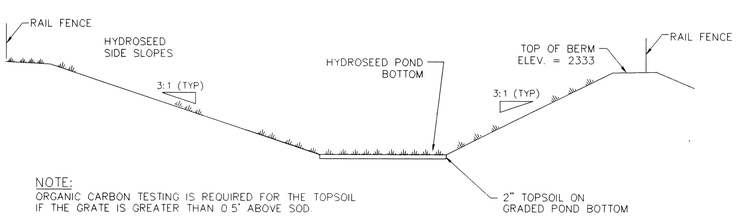
THE USE OF SILTY LOAM IS PROHIBITED AS A POND BOTTOM MATERIAL.

SECTIONAL VIEW

TYPICAL POND D CROSS SECTION

NOT TO SCALE

8



NOTE:
ORGANIC CARBON TESTING IS REQUIRED FOR THE TOPSOIL IF THE GRATE IS GREATER THAN 0.5' ABOVE SOD.

THE USE OF SILTY LOAM IS PROHIBITED AS A POND BOTTOM MATERIAL.

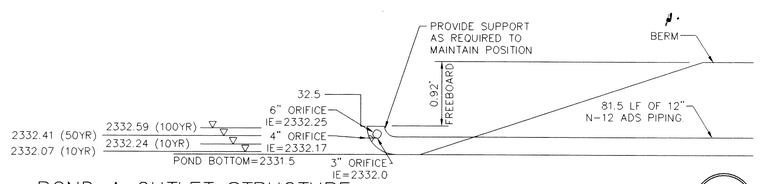
SECTIONAL VIEW

TYPICAL POND A CROSS SECTION

NOT TO SCALE

9

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1437B
DATE ACCEPTED: 2/6/03



POND A OUTLET STRUCTURE

NOT TO SCALE

10

DRYLAND GRASS SEED MIX

SPOKANE COUNTY PUBLIC WORKS, FEBRUARY 1998

GRASS SEED: PROVIDE FRESH, CLEAN, NEW CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

20 PERCENT	ELKA PERENNIAL RYE
20 PERCENT	DURAR HARD FESCUE
45 PERCENT	COVAR SHEEP/FESCUE
15 PERCENT	REUBENS CANADIAN BLUEGRASS

PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:

GRASS SEED: 90 LBS. PER ACRE
FERTILIZER: 16-16-16 TIMED RELEASE COMPOSITION, 300 LBS. PER ACRE.

ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS, SEC. 8-01.

COUNTY DATUM
PROJECT TBM RR SPIKE IN POWER POLE ALONG 32nd AVE.
ELEV.=2243.80

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED PROFESSIONAL ENGINEER
1-9-03
EXPIRES 11/24/03

I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.

DEVELOPER'S APPROVAL DATE

P-1437B Eng. As-Built

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, WA 99204
Phone: (509) 458-5840
Fax: (509) 458-5844

DAVID N. RANDALL
STATE OF WASHINGTON
26984
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 07/04/02

PREPARED UNDER THE DIRECT SUPERVISION OF DAVID N. RANDALL, P.E. WASHINGTON REGISTRATION NO. 26984 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
04/26/01	PRELIMINARY SUBMITTAL
07/20/01	2ND SUBMITTAL
07/30/01	3RD SUBMITTAL
01/09/02	BOND REDUCTION REQUEST
01/31/02	RECORD DRAWING

Project Number: S000460
CLC Job Number: S000460
Drawn By: SMM
Designed By: JFS
Checked By: DNR

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STREET CONSTRUCTION PLANS
1ST ADDITION TO
RIDGEMONT ESTATES NO. 3
POND DETAILS
SPOKANE COUNTY, WASHINGTON

Sheet Title: POND DETAILS

Sheet Number: C1.04