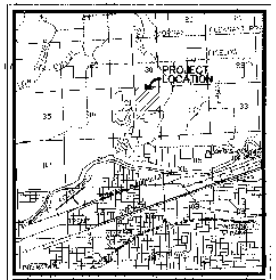
COVER SHEET FOR

VISTA PLACE — WOODLAND ESTATES PUD

STREET AND DRAINAGE PLANS

SECTION 31, T.26 N., R44 E., W.M.
SPOKANE COUNTY, WASHINGTON



VICINITY MAP

GRAPHIC SCALE
100 0 50 100 200
(IN FEET)
1 inch = 100 ft

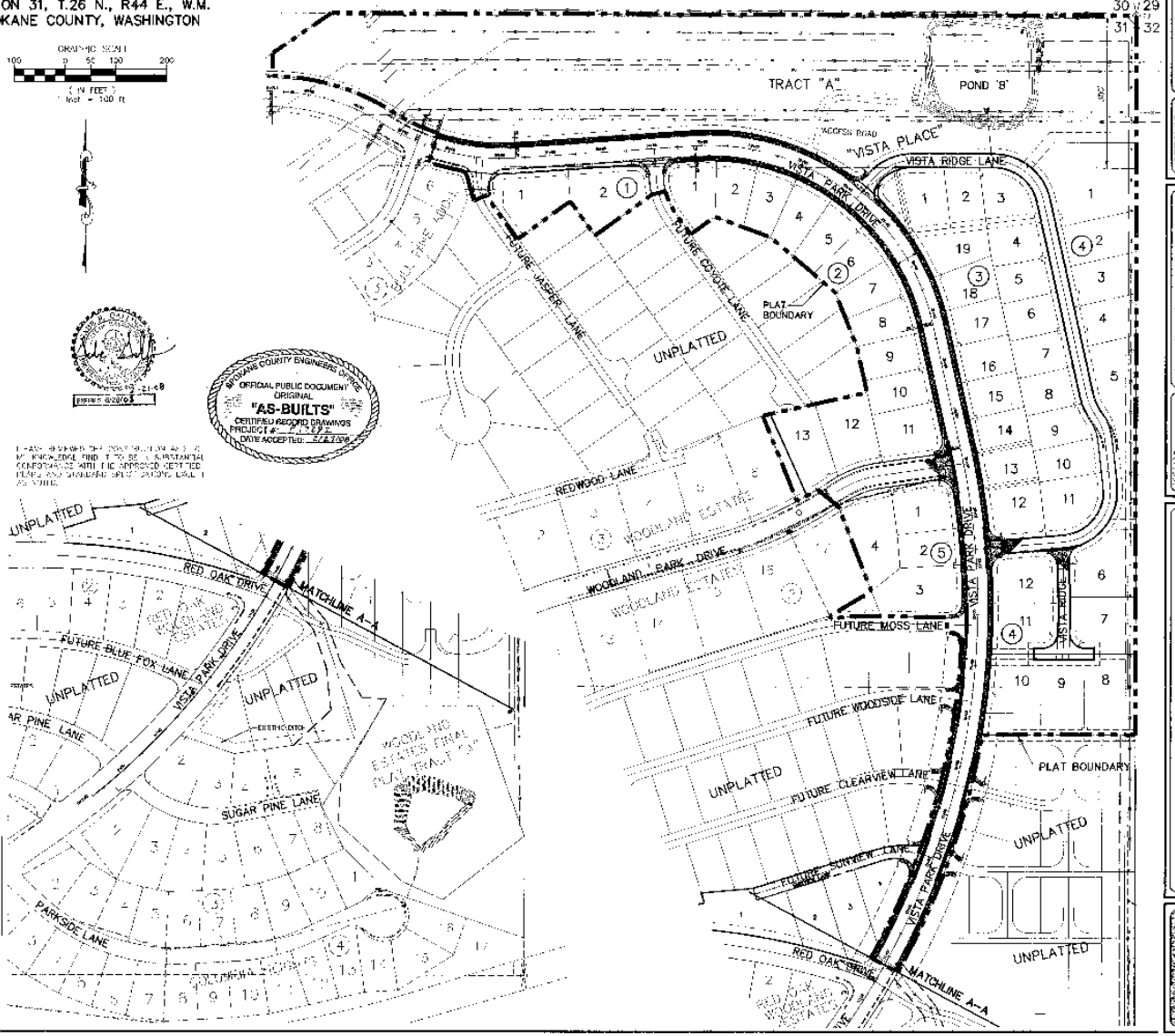


TABLE OF CONTENTS

COVER SHEET	SHEET 1
INDEX SHEET	SHEET 2
VISTA PARK DRIVE (STA 13+80.37 TO STA 22+00)	SHEET 3
VISTA PARK DRIVE (STA 22+00 TO STA 29+73.24)	SHEET 4
VISTA PARK DRIVE (STA 50+00 TO STA 58+58.24)	SHEET 5
VISTA RIDGE LANE (STA 10+12.43 TO STA 19+84.54)	SHEET 6
VISTA RIDGE LANE / VISTA RIDGE CT. (STA 30+00 TO STA 33+75.41)/(STA 9+87.98 TO 12+20.34)	SHEET 7
WOODLAND PARK DRIVE (STA 32+35.97 TO STA 35+10.19)	SHEET 8
STREET INTERSECTION DETAILS	SHEET 9
STREET INTERSECTION DETAILS	SHEET 10
DRAINAGE DETAILS	SHEET 11
DRAINAGE DETAILS -- POND SECTIONS	SHEET 12
STORM DRAIN PIPE PROFILES	SHEET 13
STORM DRAIN PIPE PROFILES	SHEET 14

DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE UNDERSIGNED IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPILED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

DEVELOPER'S APPROVAL — DATE 3/12/02

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

RECORD DRAWING APPROVAL(ENGINEER/SURVEYOR) — DATE

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.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 2-167
DATE ACCEPTED: 8/27/08

NAVD 88 DATUM
BENCHMARK DESCRIPTION
SURVEY PERFORMED 11/20/00
BASED ON RTKGPS MONUMENTS
GPS 22230-143 AND GPS 22232-143

Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
and Surveying

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAYRERS, P.E.
WASHINGTON REGISTRATION
NO. 36223
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

S R H I CONSTRUCTION PLANS
VISTA PLACE – WOODLAND ESTATES PUD
STREET AND DRAINAGE
COVER
SPOKANE COUNTY, WA

Street Title
STREET COVER

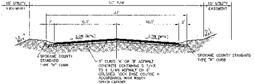
1 of 14
Sheet Number

P1729 I Grade As Builts

VISTA PLACE – WOODLAND ESTATES PUD

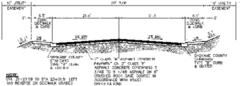
STREET AND DRAINAGE PLANS

SECTION 31, T.26 N., R44 E., W.M.
SPOKANE COUNTY, WASHINGTON



WOODLAND PARK DRIVE ROAD SECTION

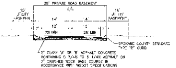
NOT TO SCALE



NOTE: STA 21+23.09 TO STA 23+01.5' LEFT HAS REVERSE 2% SIDEWALK GRADES

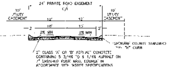
VISTA PARK DRIVE ROAD SECTION

NOT TO SCALE



VISTA RIDGE LANE ROAD SECTION

NOT TO SCALE



VISTA RIDGE COURT ROAD SECTION

NOT TO SCALE

LEGEND

EXISTING	GENERAL	PROPOSED
	ROADWAY CENTER LINE	
	SECTION LINE	
	RIGHT OF WAY LINE	
	PROPERTY LINE	
	EASEMENT LINE	
	FENCE	
	CURB	
	PAVEMENT	
	GRADE	
	CONCRETE	
	BUILDINGS & STRUCTURES	
	SANITARY SEWER	
	SANITARY SEWER	
	MANHOLE	
	CLEANOUT	
	SEWER SERVICE	
	WATER	
	WATER LINE	
	VALVE	
	FIRE HYDRANT	
	SERVICE	
	BLOWOFF	
	STORM DRAINAGE	
	DRAINAGE LINE	
	MANHOLE	
	DRYWELL	
	CATCH BASIN	
	DITCH	
	TELEPHONE – POWER	
	POWER OR TELEPHONE POLE	
	OVERHEAD POWER	
	GUY ANCHOR	
	POWER VAULT	
	LIGHT POLE	

STREET GENERAL NOTES

THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR AND EQUIPMENT TO CONSTRUCT AND INSTALL TO PROPER WORKING ORDER ALL IMPROVEMENTS AS DETAILED OR CALLED OUT IN THESE PLANS.

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, SUSAN MURPHY @ 458-6840, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, S.T. BRUCE HOWARD @ 534-9711 AND THE SPOKANE COUNTY ENGINEER'S OFFICE CONSTRUCTION ENGINEER, @ 477-3600.
6. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC, "AMOCO" 4545 OR APPROVED EQUIVALENT, BETWEEN THE DRYWELL BARREL AND THE WASHED DRAINROCK AND BETWEEN THE WASHED DRAINROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD DETAIL B-1.
7. 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.
8. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL CATCH BASINS AND DRYWELLS 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.

   IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR 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. ALL DRYWELL CONNECTION PIPES SHALL BE PLACED BELOW THE DRYWELL CONE AND SHALL FLOW AS DIRECTED BY THE PLANS.
11. NO QUANTITIES HAVE BEEN CALCULATED TO DETERMINE VOLUMES OF EXCAVATION AND EMBANKMENT ON THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE OR DISPOSE OF ALL EMBANKMENT AND/OR EXCAVATED MATERIALS.
12. FOR ANY CURB GRADES LESS THAN 0.8% (0.008 FT/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.

NAVD 88 DATUM

ESTABLISHED ON SITE BY GPS SURVEY PERFORMED 11/21/00 BASED ON WSDOT MONUMENTS GP.03290-143 AND GP.03290-147

STORM DRAINAGE NOTES

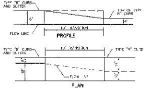
1. SEE STREET PLAN AND PROFILE SHEETS FOR DRYWELL AND CATCH BASIN TYPES AND LOCATIONS.
2. PONDS SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THESE DRAWINGS INCLUDING GRADING, SOD, AND DRYWELL INSTALLATION. ALL PONDS WITHIN TRACTS SHALL INCLUDE AN IRRIGATION SYSTEM. ALL IRRIGATION SHALL CONFORM TO SPOKANE COUNTY POND IRRIGATION SYSTEM GUIDELINES.
3. ALL "208" PONDS SHOWN SHALL BE ROUGH GRADED PRIOR TO PAVING OF ADJACENT ROADWAY.
4. CONTRACTOR SHALL PROVIDE SPOKANE COUNTY WITH RECORD DRAWING IRRIGATION PLANS UPON COMPLETION OF ALL POND CONSTRUCTION.
5. INSTALL "AMOCO" #4545 FILTER FABRIC (OR APPROVED EQUAL) IN ALL DRYWELLS. SEE SPOKANE COUNTY STANDARDS (1999 EDITION) SHEET B-1c FOR INSTALLATION LOCATIONS.
6. ALL PONDS WITHIN THE COUNTY RIGHT-OF-WAY, IN THE AREA ASSOCIATED WITH THIS PROJECT, SHALL BE COMPLETED DURING THE CONSTRUCTION OF THE ROADWAY. THE CONTRACTOR SHALL PERFORM THE POND GRADE WORK, INSTALL THE IRRIGATION SYSTEM, AND PLACE THE SOD WITHIN THE PONDS FOLLOWING THE ROAD PAVING WORK.
7. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL DRAINAGE STRUCTURES 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. IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS, THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN OUT TO THE SATISFACTION OF THE CERTIFYING ENGINEER.
8. ALL LANDSCAPE AREAS ('208' PONDS) ARE TO BE IRRIGATED BY AN AUTOMATIC IRRIGATION SYSTEM INSTALLED BY OR UNDER THE DIRECTION OF THE LANDSCAPE CONTRACTOR. THE IRRIGATION SYSTEM SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES (90 DAY GUARANTEE). AN APPROVED BACKFLOW DEVICE SHALL BE INSTALLED TO PREVENT WATER FROM GOING BACK INTO THE WATER SUPPLY. PROVIDE SLEEVING AS REQUIRED UNDER SIDEWALKS, PATHS.
9. SOIL TESTS ARE REQUIRED IN POND 4 FOR WATER QUALITY TREATMENT DEPTHS OF 6" WHERE SOIL TESTS ARE REQUIRED, ONE (1) TEST EACH FOR CATION EXCHANGE AND SOIL ORGANIC MATTER SHALL BE PERFORMED FOR EACH GRASSED PERCOLATION AREA OF 1500 S.F. OR LESS. AN ADDITIONAL SET OF TESTS MAY BE REQUIRED FOR EACH ADDITIONAL 2,000 S.F. OR FRACTION THEREOF. TESTS SHALL BE PERFORMED ON A WELL-MIXED COMPOSITE SAMPLE CONSISTING OF THE TOP SIX (6) INCHES OF SOIL FROM AT LEAST FOUR (4) CORES UNIFORMLY DISTRIBUTED OVER THE PERCOLATION AREA. IF THE AVERAGE CATION EXCHANGE CAPACITY IS 10 MILLIEQUIVALENTS/100 G OR MORE OR THE SOIL IS 2% ORGANIC CARBON OR MORE, THE SOIL WILL BE CONSIDERED SUITABLE FOR STORMWATER TREATMENT.

SLEEVING: CURBING, PAVING, ETC. AS NEEDED FOR IRRIGATION ACCESS. ALL SLEEVING TO BE 4" PVC WITH AT LEAST 12" OF COVER (1) FOOT BELOW FINISH GRADE. THE OWNER/GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING SLEEVING BEFORE CURBING, SIDEWALKS, PAVING, ETC. IS INSTALLED. PATCH ASPHALT AS NEEDED. LAWN AREAS ARE TO BE IRRIGATED WITH TORO POP-UP

LAWN AREAS: HEADS OR EQUIVALENT. TEST SYSTEM BEFORE BACKFILLING! AFTER INSTALLATION, ADJUST VALVES, HEADS, EMITTERS.

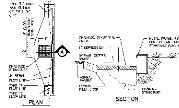
ADJUSTMENT: ETC. TO PROVIDE UNIFORM COVERAGE AND TO MINIMIZE OVER SPRAY ON WALLS, FENCES, WALKS, DRIVES, ETC.

WATER POWER SUPPLY: THE OWNER/GENERAL CONTRACTOR IS TO SUPPLY WATER TAPS FOR HOOK-UP AND SUPPLY POWER FOR CONTROLLER.



TYPE "B" TO TYPE "R" CURB TRANSITION DETAIL (A/2)

NOT TO SCALE



GUTTER INLET DETAIL (B/2)

NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE — OFFICIAL PUBLIC DOCUMENT ORIGINAL "AS-BUILTS" CERTIFIED RECORD DRAWINGS PROJECT #: P1727 DATE ACCEPTED: 7/27/06

7-21-06 EXPIRES 02/29/08

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 2/21/03

CLC Associates, Inc. — Planning, Engineering, Architecture, Landscape Architecture, Land Surveying

EXPIRES 5/1/07

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYNERS, P.E. WASHINGTON REGISTRATION NO. 36212 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
1/22/01	ORIGINAL PREPARATION
1/22/01	FIRST SUBMITTAL
9/24/01	SECOND SUBMITTAL
2/21/06	RECORD DRAWING

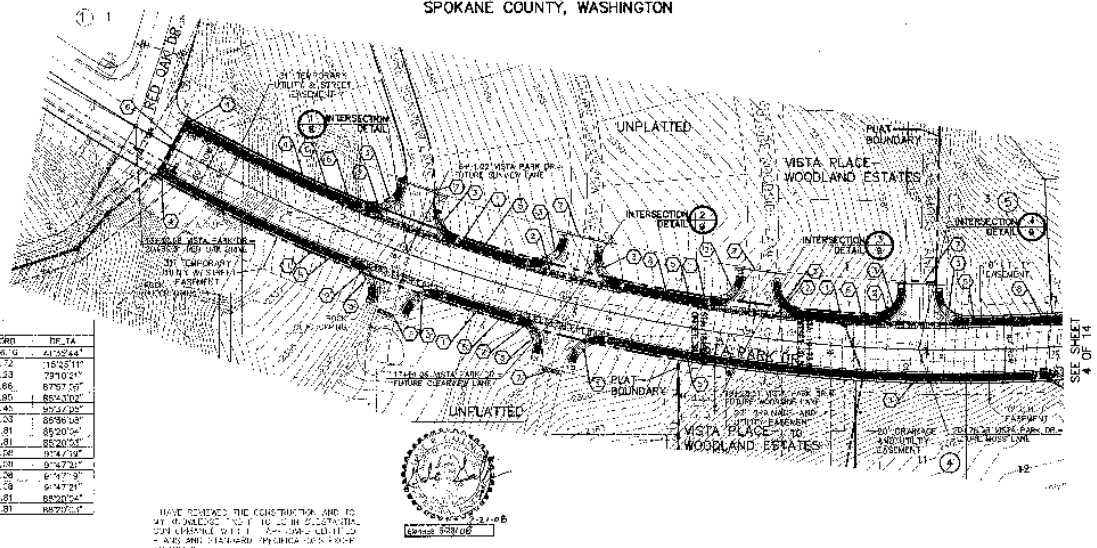
Project Number	990065
CLC Job Number	[illegible]
Drawn By	[illegible]
Designed By	[illegible]
Checked By	[illegible]

STREET CONSTRUCTION PLANS
VISTA PLACE – WOODLAND ESTATES PUD
STREET AND DRAINAGE
INDEX SHEET
SPOKANE COUNTY, WA

Sheet Title: INDEX SHEET

P1727 [illegible] As Built

SEC. 31, T.26 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

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

CONSTRUCTION NOTES

1. 6' SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
2. CONCRETE CURB PER TYPE 1, PER SPOKANE COUNTY STANDARD PLAN B-18.
3. CURB RAMP, DESIGN A PER SPOKANE COUNTY STANDARD PLAN A-5.
4. 20' TRANSITION FROM VISTA PARK DRIVE SECTION FOR RED OAK TO VISTA PARK DRIVE SECTION FOR VISTA PLACE.
5. TYPE "B" CURB AND GUTTER, PER SPOKANE COUNTY STANDARD PLAN A-3.
6. SANDCLT AND TACK COAT PRIOR TO PAVING.
7. CONTRACTOR TO PROVIDE TEMPORARY POSTS WITH LOCKED CABLE STRAND.
8. SEE SHEETS 13 AND 14 FOR PIPE SYSTEM INFORMATION AND PROFILES.

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	1449.00	1049.04	549.84	1026.0	41°29'44"
C20	30.00	50.33	37.47	55.72	115°35'11"
C21	30.00	41.48	24.81	38.23	79°10'21"
C22	30.00	46.05	28.95	41.66	87°97'59"
C23	30.00	46.40	29.34	41.95	88°47'02"
C24	30.00	50.33	33.10	44.45	95°37'05"
C25	30.00	46.37	28.43	42.33	88°56'08"
C26	30.00	46.28	29.14	41.81	88°20'04"
C27	30.00	46.25	29.14	41.81	88°20'04"
C28	30.00	48.06	32.95	43.08	91°47'21"
C29	30.00	48.06	32.95	43.08	91°47'21"
C30	30.00	48.06	32.95	43.08	91°47'21"
C31	30.00	48.06	32.95	43.08	91°47'21"
C32	30.00	46.25	29.14	41.81	88°20'04"
C33	30.00	46.25	29.14	41.81	88°20'04"

NAVD 88 DATUM
ESTABLISHED ON-SITE BY GPS SURVEY PERFORMED 1/22/08 BASED ON WSDOT WCR MONITS GP32290-1/3 AND GP33240-147

HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE AND BELIEF THE DESIGN IS IN CONFORMANCE WITH THE APPLICABLE CODES AND STANDARD ENGINEERING PRACTICE AS NOTED

Earnest Sorenson 3-24-08

DEVELOPER'S APPROVAL — DATE

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYRES, P.E. WASHINGTON REGISTRATION NO. 36312 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
1/22/08	ORIGINAL PREPARATION
3/14/08	FIRST SUBMITTAL
4/22/08	SECOND SUBMITTAL
5/22/08	SECOND DRAWING

VERTICAL SCALE: 1"=10'

OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # 217837
DATE ACCEPTED: 5/21/08

MATCH LINE STA 18+00 — MATCH LINE STA 22+00

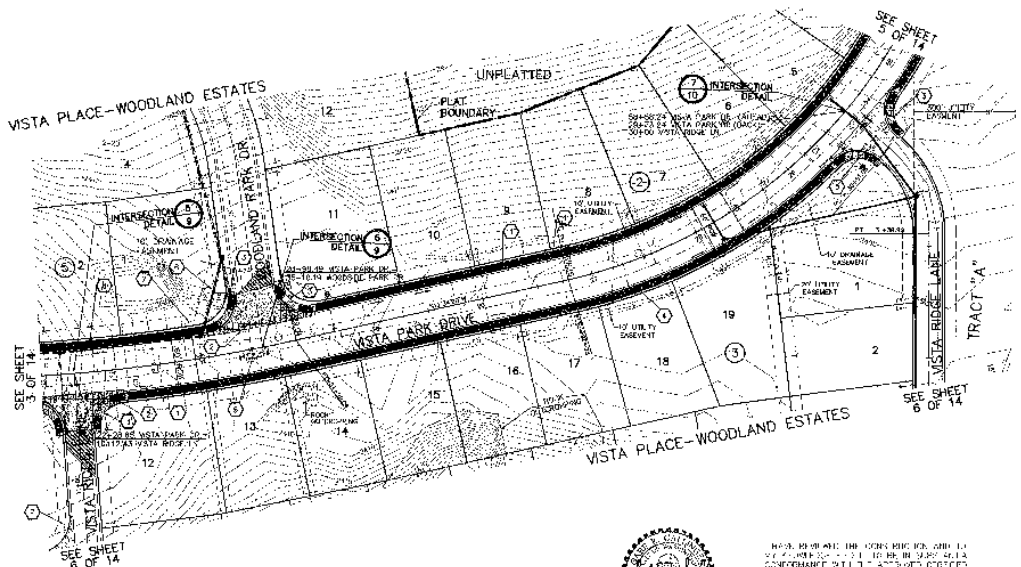
14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00

SHEET CONSTRUCTION PLANS
VISTA PLACE – WOODLAND ESTATES PUD
VISTA PARK DRIVE
STA 13+83.37 TO STA 22+00
SPOKANE COUNTY, WA

Sheet Title: STREET PLAN AND PROFILE

Sheet Number

SEC. 31, T.26 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON



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

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	1545.00	948.34	488.61	1025.18	41°35'44"
C2	460.00	638.89	386.52	588.42	81°9'13"
C32	30.00	46.26	29.14	41.81	88°20'24"
C33	30.00	46.26	29.14	41.81	88°20'24"
C34	30.00	45.46	28.34	41.05	86°43'39"
C35	30.00	49.40	32.36	44.26	94°20'18"
C36	32.00	44.52	27.50	40.54	85°41'27"
C37	30.00	44.52	27.78	40.77	85°36'16"

CONSTRUCTION NOTES

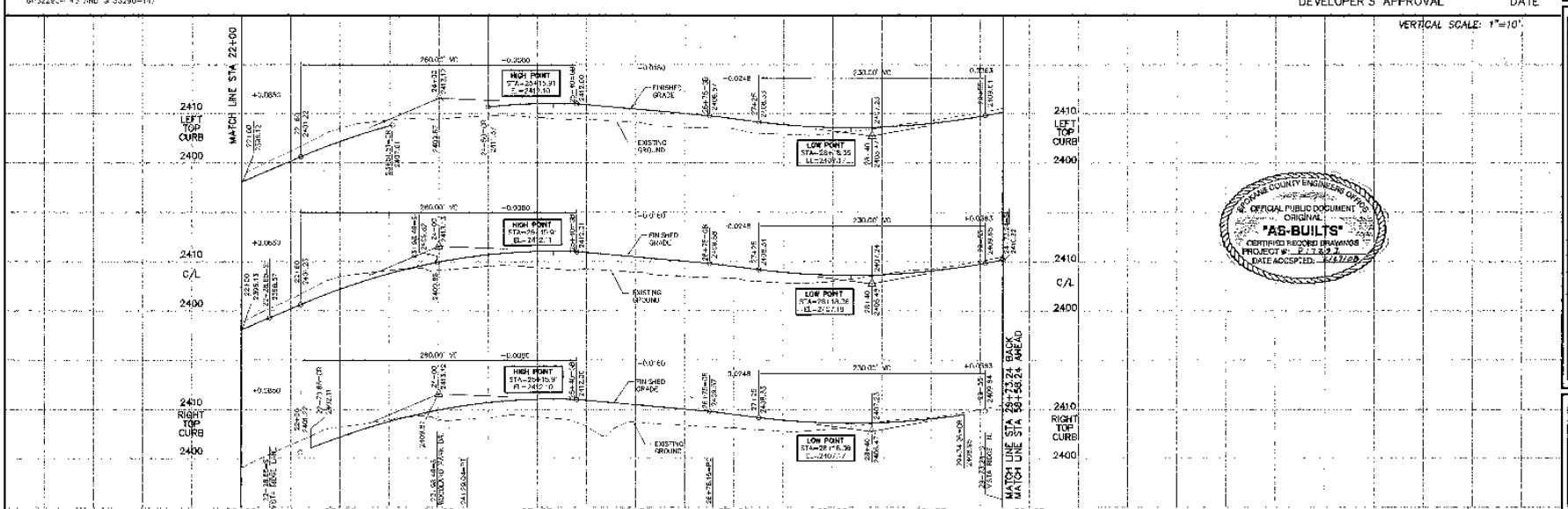
1. 6' SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
2. CONCRETE GUTTER, TYPE 1, PER SPOKANE COUNTY STANDARD PLAN B-1R.
3. CURB RAMP DESIGN PER SPOKANE COUNTY STANDARD PLAN A-5.
4. TYPE "B" CURB AND GUTTER, PER SPOKANE COUNTY STANDARD PLAN A-2.
5. REMOVE EXISTING STREET SIGN.
6. SEE SHEETS 13 AND 14 FOR PIPE SYSTEM INFORMATION AND PROFILES.
7. SIGHT DISTANCE EASEMENT.
8. 6' SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1. SEE VISTA PARK DRIVE CROSS SECTION SHEET 2 OF 14.

EXPIRES 12/31/08

DEVELOPER'S APPROVAL

DATE

NAVD 88 DATUM
ESTABLISHED ON-SITE BY GPS SURVEY PERFORMED 11/31/00 BASED ON WSDOT MONUMENTS GP3226-1*43 AND GP33290-147



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT NO. P-17298
DATE ACCEPTED: 6/17/08

STREET CONSTRUCTION PLANS
VISTA PLACE – WOODLAND ESTATES PUD
VISTA PARK DRIVE
STA 22+00 TO STA 29+73.24
SPOKANE COUNTY, WA

Sheet Title
STREET PLAN AND PROFILE

4 OF 14
Sheet Number

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYWERS P.E. WASHINGTON REGISTRATION NO. 36312 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Revisions
1/29/08	ORIGINAL CERTIFICATION
2/21/08	SECTION 2 REMOVAL
6/24/08	SECTION 2 REMOVAL
7/2/08	RECORD DRAWING

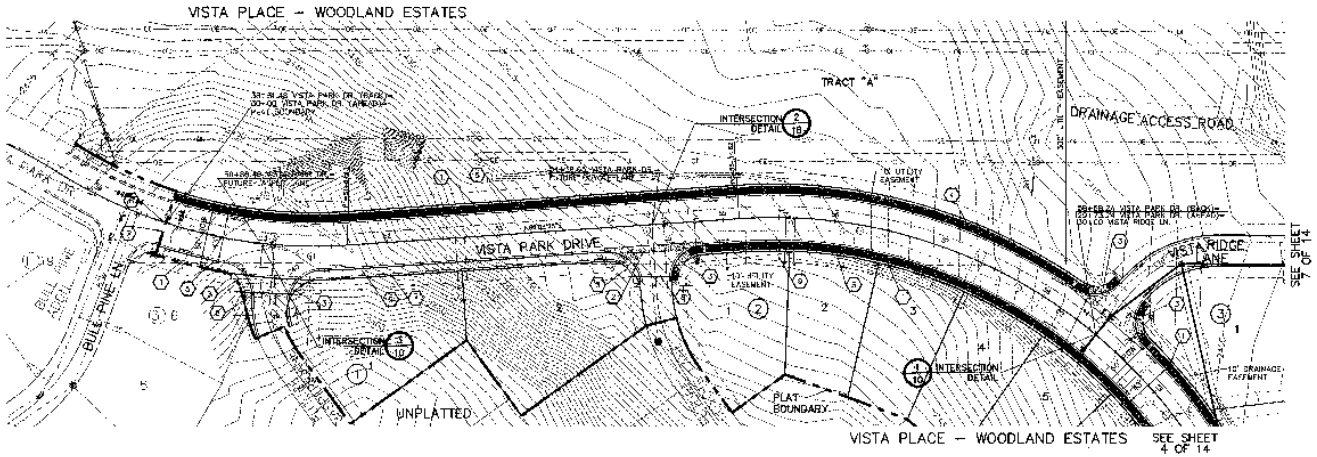
Project Number: 2000-0368
CLC Job Number: 2000-0368
Drawn By: JAS/DMC
Designed By: SJW
Checked By: JFS

P-17298 [illegible]

SEC. 31, T.26 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON

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

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000



NAVD 88 DATUM
ESTABLISHED ON-SITE BY GPS
SURVEY PROVIDED BY ALTA
BASED ON WSDOT AOR-2 SITE
GPS2290-13 AND GPS2290-14

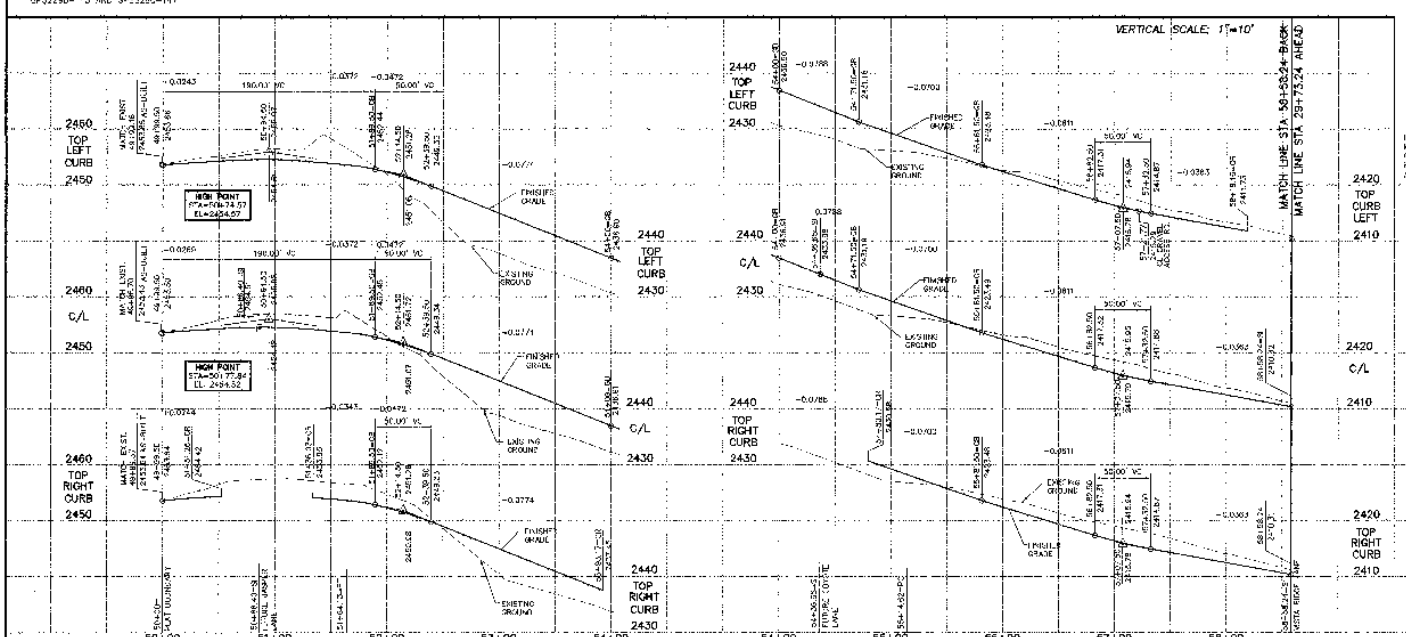
CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C7	450.00	674.99	386.77	611.42	86°19'15"
C8	450.00	156.3	83.05	183.14	21°52'12"
C36	30.00	44.84	27.50	40.64	85°01'27"
C37	30.00	44.82	27.78	40.77	85°36'8"
C38	30.00	47.18	30.06	42.47	90°05'01"
C39	30.00	47.06	29.94	42.36	89°51'00"
C40	30.00	56.35	41.31	48.43	107°37'28"
C41	30.00	38.27	22.24	35.73	73°03'37"

CONSTRUCTION NOTES

1. 6' SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
2. CONCRETE GUTTER, TYPE 1, PER SPOKANE COUNTY STANDARD PLAN B-18
3. CURB RAMP DESIGN, PER SPOKANE COUNTY STD A-5.
4. 12' WIDE GRAVEL ACCESS ROAD IN 20' EASEMENT. PROVIDE 20' CURB CUT FOR 24' WAY. SEE GRAVEL ACCESS ROAD DETAIL, SHEET 11. PROVIDE 6" HEAVY duty CONCRETE SIDEWALK ADJACENT TO CURB CUT. GRADE FOR POSITIVE DRAINAGE FROM BACK OF WALK TO POND BOTTOM AT MAX 5%. SEE POND "B" DETAIL 1 SHEET 11
5. TYPE "D" CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3.
6. 8' TRANSITION FROM VISTA PARK DRIVE SECTION FOR BULL PINE TO VISTA PARK DRIVE FOR VISTA PLACE.
7. SAWCUT AND TACK COAT PRIOR TO PAVING
8. CONTRACTOR TO PROVIDE TEMPORARY POSTS WITH LOOPED CABLE STRAND.
9. SIGHT DISTANCE EASEMENT

DEVELOPER'S APPROVAL DATE



OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWING
PROJECT #
DATE ACCEPTED:

EXPIRES 12/31/08

Aeschlimann, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying

EXPIRES 6/16

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAVIERS, P.E.
WASHINGTON REGISTRATION NO. 36709
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

Date	Description
06/27/06	INITIAL PRESENTATION
07/27/06	REVISED PLAN
08/24/06	REVISED SUBMITTAL
02/28/08	RECORD DRAWING

Project Number: 1005.08
Client Number: 1005.08
Drawn By: JML/TMW
Computed By: RBK
Checked By: JFS

SEWER CONSTRUCTION PLANS
VISTA PLACE – WOODLAND ESTATES PUD
VISTA PARK DRIVE
STA 50+00.10 S A 28+56.24
SPOKANE COUNTY, WA

Sheet Title:
STREET PLAN AND PROFILE

Sheet Number:
15 OF 17

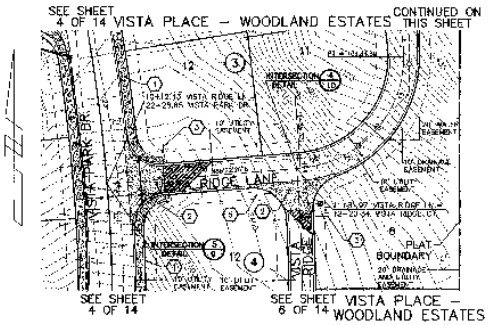
R: 7249 I Bond As Built

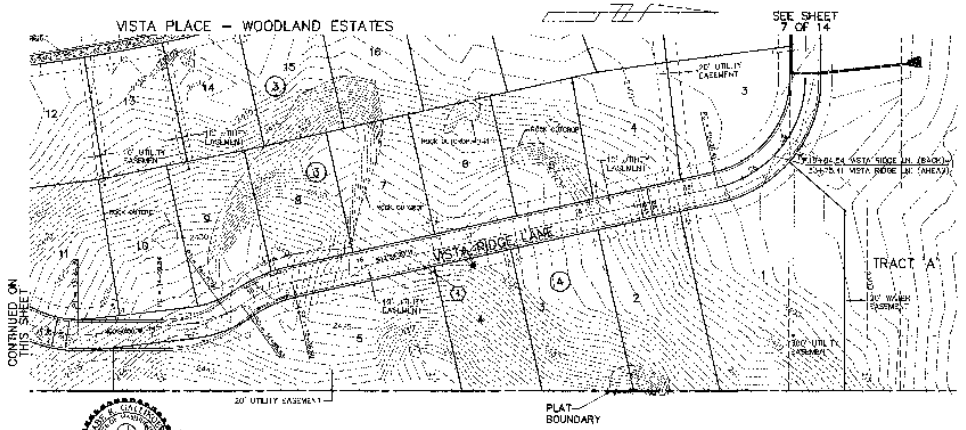
SEC. 31, T.26 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 INCH = 50' FT.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C5	100.00	169.02	92.28	138.61	85°22'53"
C6	100.00	62.07	32.07	61.07	35°33'40"
C7	125.00	50.18	25.43	49.84	22°59'26"
C8	100.00	58.13	29.94	57.39	33°18'23"
C9	100.00	70.55	41.14	69.01	40°26'00"
C32	30.00	46.25	29.14	41.86	88°32'04"
C33	30.00	46.25	29.14	41.86	88°32'03"
C42	30.00	47.96	30.85	43.02	91°36'12"
C43	30.00	38.36	22.32	35.81	73°17'49"





◆ NAVD 88 DATUM
ESTABLISHED ON-SITE BY GPS
BASED ON "SBRGPS" NETWORK
BASED ON "WSDOT KGS" NETWORK

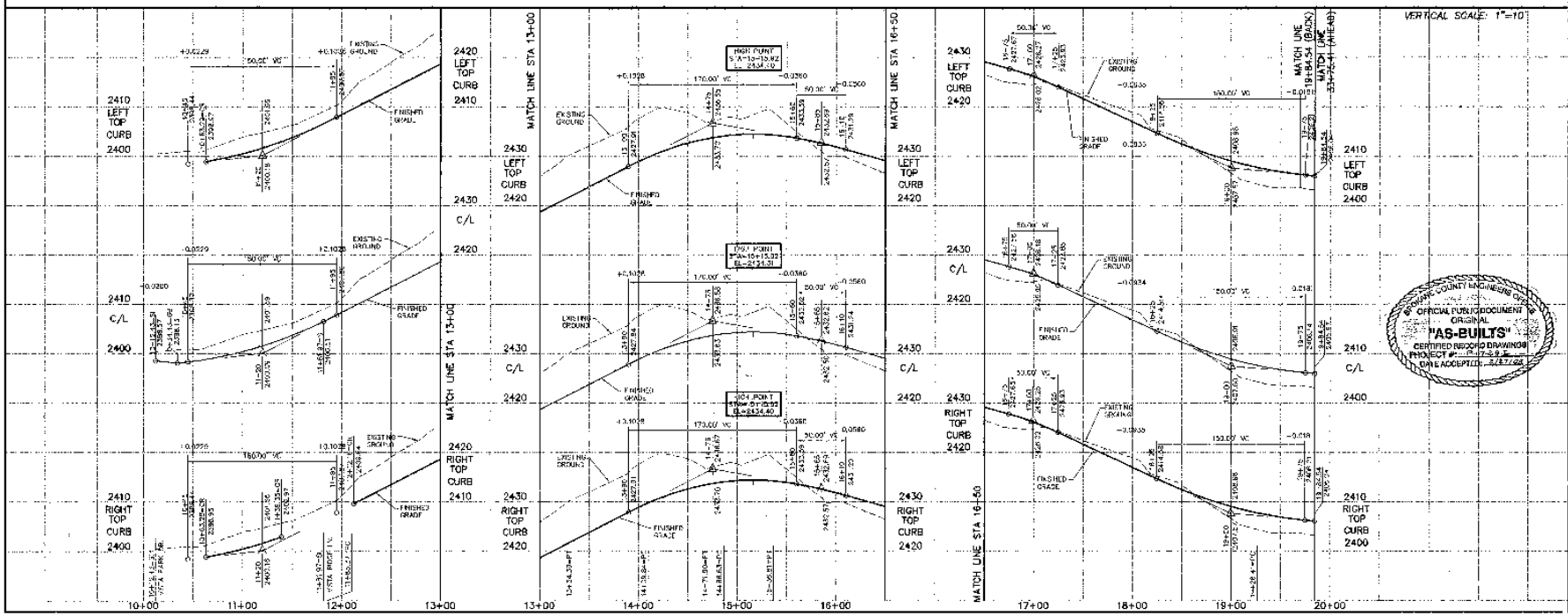
CONSTRUCTION NOTES:

1. 6" SIDEWALK PER SPOKANE COUNTY STD PLAN A-
2. CONCRETE GUTTER, TYPE 1, PER SPOKANE COUNTY STANDARD PLAN B-16.
3. STREET AND STOP SIGNS, PER M.U.T.C.D. AND SPOKANE COUNTY.
4. TYPE "D" CURB PER SPOKANE COUNTY STANDARD PLAN A-2.
5. 30'-1 DRAINAGE EASEMENT

DEVELOPER'S APPROVAL

DATE

VERTICAL SCALE: 1"=10'



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-17-92
DATE ACCEPTED: 8/27/96

STREET CONSTRUCTION PLANS
VISTA PLACE – WOODLAND ESTATES PUD
VISTA RIDGE LANE
STA. 10+12.43 TO STA. 19+84.54
SPOKANE COUNTY, WA

Sheet File
STREET PLAN AND PROFILE
6 OF 14
Sheet Number

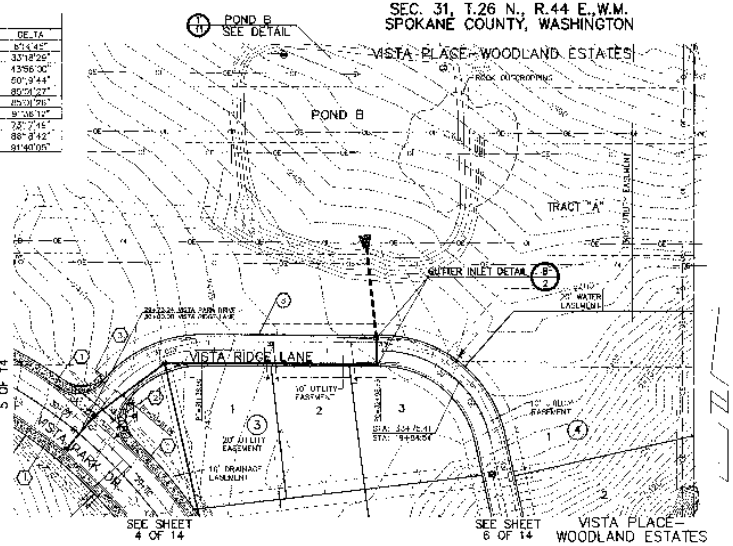
P 1729 Bmp As Builts

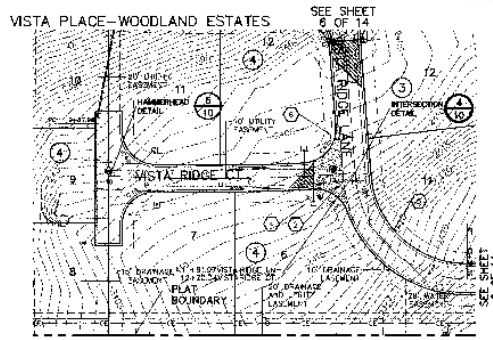
SEC. 31, T.26 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C4	1914.54	232.36	116.38	232.10	6°14'45"
C8	100.00	58.12	29.91	57.32	33°18'28"
C9	100.00	76.68	40.34	74.81	43°56'00"
C10	100.00	87.84	46.98	85.04	50°34'44"
C36	30.00	44.62	27.20	40.54	85°24'27"
C37	30.00	25.02	27.20	40.24	85°36'26"
C42	30.00	47.96	30.85	43.02	91°38'12"
C43	30.00	38.38	22.32	36.81	73°27'41"
C44	30.00	26.24	26.13	41.80	88°31'42"
C45	30.00	48.00	30.89	43.04	91°40'05"

CONSTRUCTION NOTES:

1. 6' SIDEWALK PER SPOKANE COUNTY STD. A-1.
2. CONCRETE GUTTER, TYPE 1, PER SPOKANE COUNTY STANDARD D-A, B-18.
3. STREET AND STOP SIGNS, PER M.U.T.C.D. AND SPOKANE COUNTY.
4. STREET SIGN PER M.U.T.C.D. AND SPOKANE COUNTY.
5. TYPE "B" CURB PER SPOKANE COUNTY STD. A-3
6. SIGHT DISTANCE EASEMENT.





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

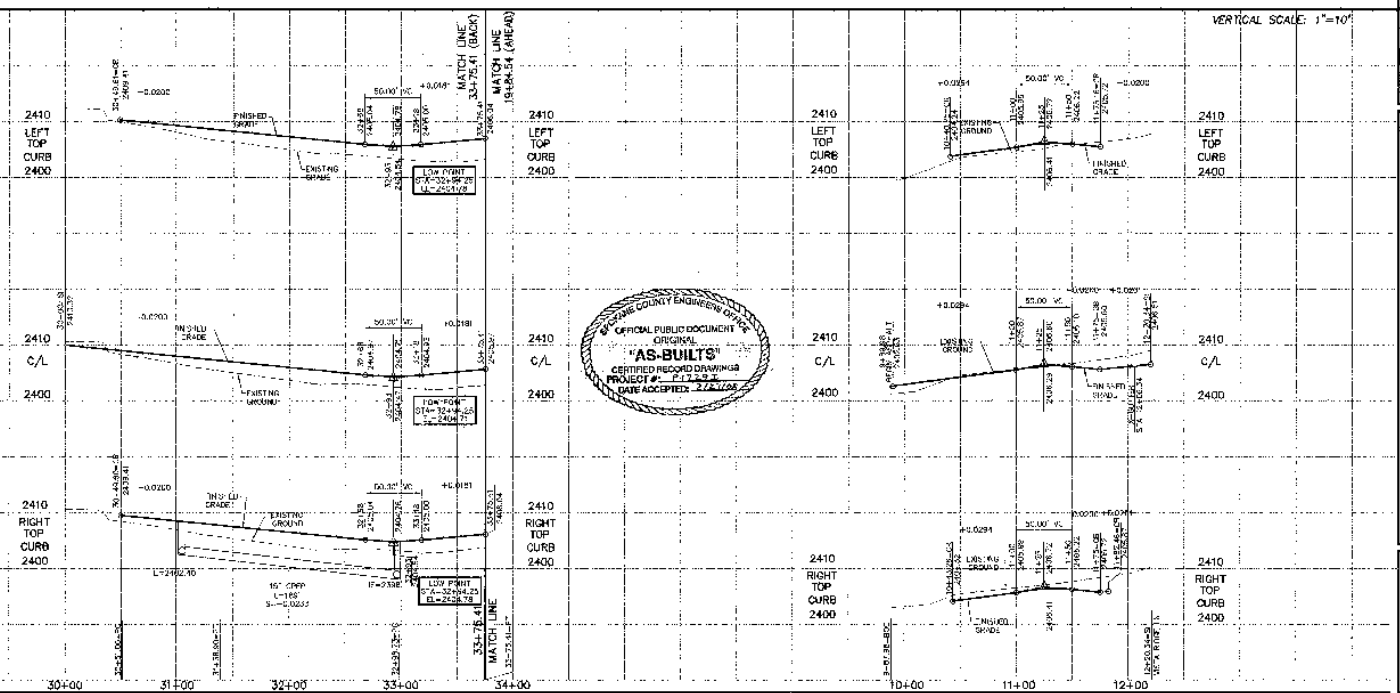
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

NAVD 88 DATUM

DEVELOPER'S APPROVAL

DATE

VERTICAL SCALE: 1"=10'



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P17339
DATE ACCEPTED: 2/2/06

STREET CONSTRUCTION PLANS
VISTA PLACE - WOODLAND ESTATES PUD
VISTA RIDGE LANE / VISTA RIDGE CT.
STA 301.00 TO STA 334+75.41/STA 9+81.98 TO STA 12+20.34
SPOKANE COUNTY, WA

STREET PLAN AND PROFILE

7 OF 14

Sheet Number

P1729 I. Grade Build

SEC. 31, T.26 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON

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

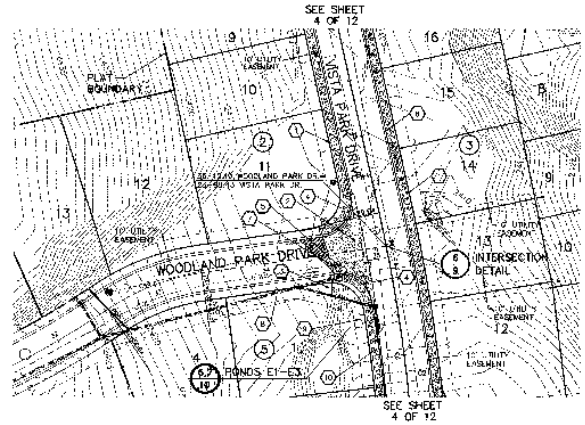
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C34	30.00	46.42	29.54	41.85	88°41'06"
C35	30.00	46.40	29.56	44.00	94°20'16"
C46	200.00	90.37	45.97	89.61	25°53'24"

CONSTRUCTION NOTES:

1. 6' SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
2. CONCRETE GUTTER, TYPE I, PER SPOKANE COUNTY STANDARD PLAN B-18.
3. STREET AND STOP SIGNS, PER M.U.T.C.D. AND SPOKANE COUNTY STANDARD PLANS.
4. CURB RAMP DESIGN 4, PER SPOKANE COUNTY STANDARD PLAN A-5.
5. REMOVE EXISTING UNLIKELY DISPOSITION.
6. TYPE "B" CURB AND GUTTER PER SPOKANE COUNTY STD. A-3
7. REMOVE EXISTING RIP RAP
8. REMOVE EXISTING PIPE.
9. SIGHT DISTANCE EASEMENT.
10. 6' SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1, SEE VISTA PARK DRIVE CROSS SECTION 8-FEET 2 OF 14.



NAVD 88 DATUM
ESTABLISH ID QN-8TC, 1X BRS
SURVEY PERFORMED 11/21/02
BASED ON VISDOT MONUMENTS
SP32280-142 AND SP32290-117

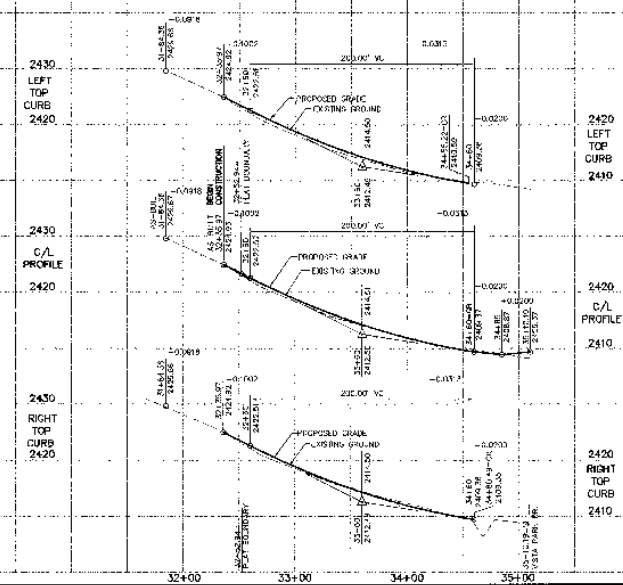
I HAVE CAREFULLY EXAMINED THE PLANS AND SPECIFICATIONS AND TO MY KNOWLEDGE AND BELIEF THEY ARE IN CONFORMITY WITH THE APPROVED STREET PLANS AND STANDARD SPECIFICATIONS OF SPOKANE COUNTY.

EXPIRES 6/30/08

DEVELOPER'S APPROVAL

DATE

VERTICAL SCALE: 1"=10'

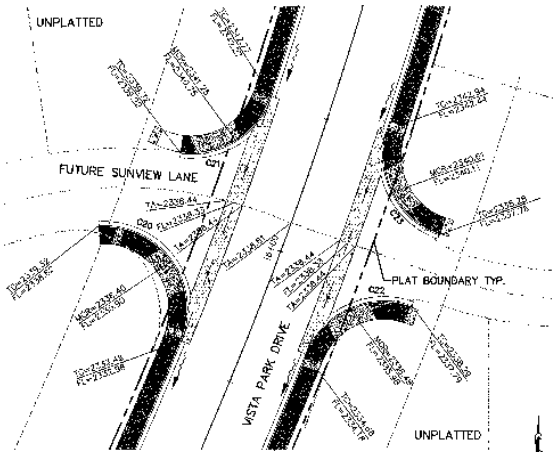


OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #
DATE ACCEPTED:

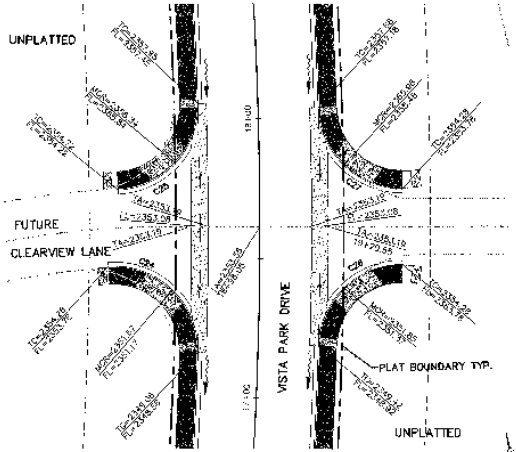
STREET CONSTRUCTION PLANS
VISTA PLACE WOODLAND ESTATES PUD
WOODLAND PARK DR.
STA 32+35.97 TO STA 35+12.19
SPOKANE COUNTY, WA

Sheet 11 of 14
STREET PLAN AND PROFILE

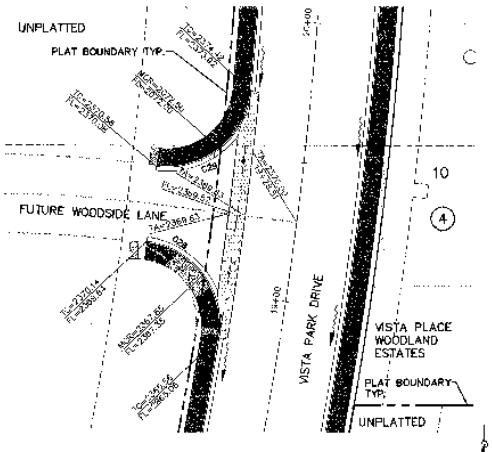
Sheet Number



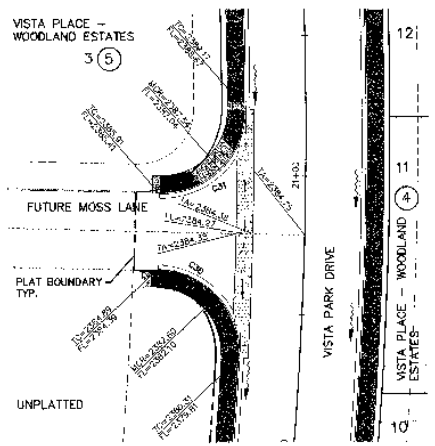
INTERSECTION DETAIL 1
SCALE: 1" = 20'



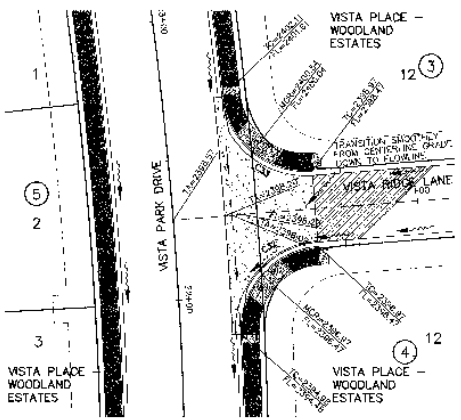
INTERSECTION DETAIL 2
SCALE: 1" = 20'



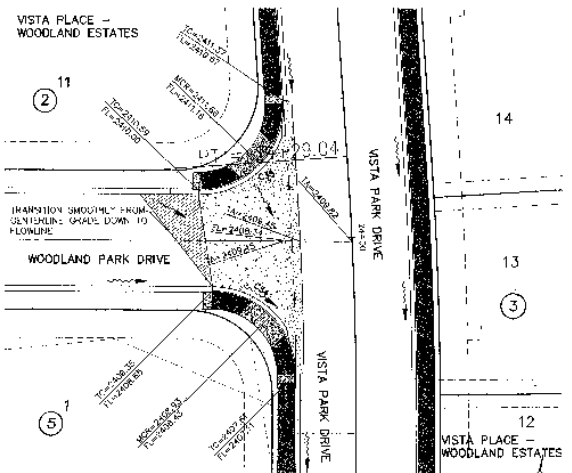
INTERSECTION DETAIL 3
SCALE: 1" = 20'



INTERSECTION DETAIL 4
SCALE: 1" = 20'



INTERSECTION DETAIL 5
SCALE: 1" = 20'



INTERSECTION DETAIL 6
SCALE: 1" = 20'

I HAVE REVIEWED THE CONSTRUCTION PLANS TO MY KNOWLEDGE FIND THEM TO BE IN CONFORMANCE WITH THE APPROVED PRELIMINARY PLAT AND MINIMUM STANDARDS FOR PUBLIC WORKS.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT NO. P-17291
DATE RECEIVED: 8/27/08

DEVELOPER'S APPROVAL

DATE

Associates, Inc.
Planning
Engineering
Surveying
Landscape Architecture
and Surveying

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAWYERS, P.E.
WASHINGTON REGISTRATION
NO. 30211
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

DATE	REVISIONS
4/29/08	ORIGINAL PROPOSAL
5/21/08	1ST SUBMITTAL
6/23/08	2ND SUBMITTAL
8/13/08	3RD SUBMITTAL
08/21/08	RECORD DRAWING

Project Number: 1000970
CLC Job Number: 1000970
Drawn By: [illegible]
Designed By: [illegible]
Checked By: [illegible]

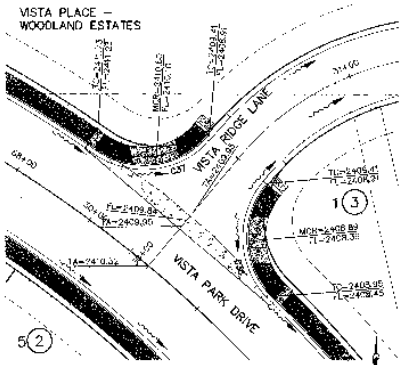
STREET CONSTRUCTION PLANS

VISTA PLACE – WOODLAND ESTATES PUD
STREET INTERSECTION DETAILS
SPOKANE COUNTY, WA

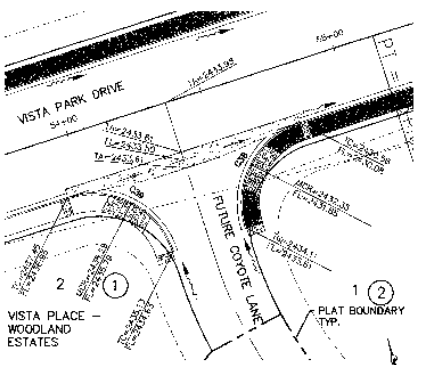
Sheet Title: STREET INTERSECTION DETAILS

Sheet Number: 9 OF 14

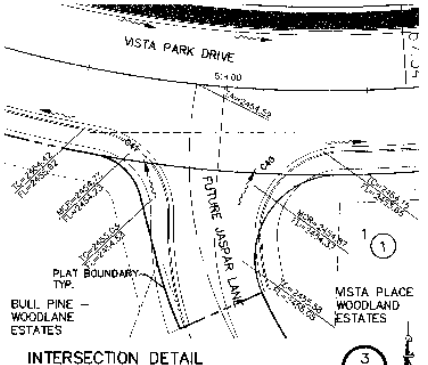
P-17291 Drg As Built



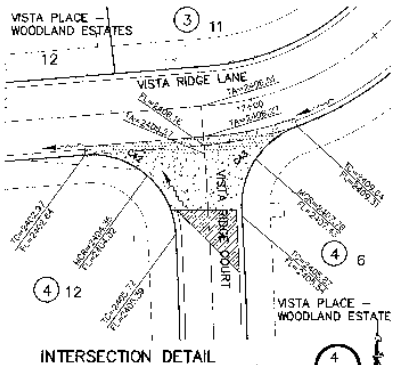
INTERSECTION DETAIL 1
SCALE: 1" = 20'



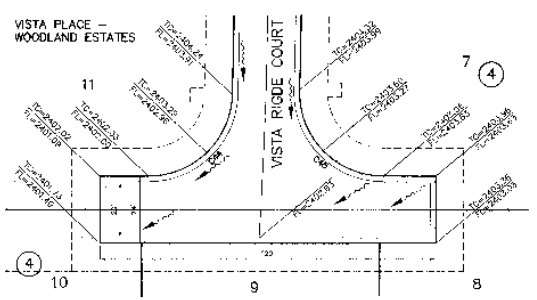
INTERSECTION DETAIL 2
SCALE: 1" = 20'



INTERSECTION DETAIL 3
SCALE: 1" = 20'



INTERSECTION DETAIL 4
SCALE: 1" = 20'



INTERSECTION DETAIL 5
SCALE: 1" = 20'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1729T
DATE ACCEPTED: 6/27/08

I HAVE REVIEWED THE CONSTRUCTION AND THE [illegible] CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED

Expires 6/28/09 7-21-08

DEVELOPER'S APPROVAL

2/21/08
DATE

P-1729T Eng As Built

Planning
Engineering
Architecture
Landscape Architecture
Land Surveying

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYBERS, P.E. WASHINGTON REGISTRATION NO. 36212 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

STREET CONSTRUCTION PLANS

VISTA PLACE – WOODLAND ESTATES PUD
S.R.L. INTERSECTION DETAILS
SPOKANE COUNTY, WA

Sheet Title
STREET INTERSECTION DETAILS

10 OF 14
Sheet Number

SEC. 31, T.26 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON

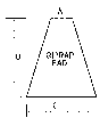
POND 'B'

1

CONSTRUCTION NOTES

1. CONCRETE INLET TYPE 2 PER SPOKANE COUNTY STD. PLAN B-5, WITH TYPE 2 METAL FRAME WITH TYPE 3 GRATE PER SPOKANE COUNTY STD. PLAN B-11 AND B-14.
2. 39 L.F. OF 12" CPEP S=~~0.0075~~ FT/FT IE(W)=~~2404.29~~, IE(E)=~~2403.96~~ — 0.0085, 2403.89, 2403.66
3. 40 L.F. OF 15" CPEP S=~~0.0084~~ FT/FT IE(S)=~~2406.76~~, IE(N)=~~2406.46~~ — 0.0080, 2406.52, 2406.22
4. 176 L.F. OF 15" CPEP S=~~0.0055~~ FT/FT IE(S)=~~2403.76~~, IE(N)=~~2403.00~~ — 0.0082, 2403.56, 2402.55
5. W.S.D.O.T. GRATE INLET TYPE 2 PER W.S.D.O.T. STANDARD PLANS B-30, SEE DETAIL 2 ON SHEET.
6. 78 L.F. OF 15" CPEP S=~~0.0064~~ FT/FT IE(W)=~~2406.93~~, IE(E)=~~2406.46~~ — 0.047, 2406.22, 2402.95
7. CONCRETE INLET TYPE 2 PER SPOKANE COUNTY STD. PLAN B-5, WITH TYPE 2 METAL FRAME WITH SOLID LID PER SPOKANE COUNTY STD. PLAN B-15.
8. 189 L.F. OF 18" CPEP S=~~0.0035~~ FT/FT IE(W)=~~2407.46~~, IE(E)=~~2406.00~~ — 0.0041, 2402.55, 2399.82
9. CONCRETE INLET TYPE 2 PER SPOKANE COUNTY STD. PLAN B-5, WITH TYPE 2 METAL FRAME AND HOOD AND TYPE 3 GRATE PER SPOKANE COUNTY STD. PLAN B-11 AND B-14. PROVIDE CURB TRANSITION PER CUTBLOCK INLET DETAIL B SHEET 2.
10. 54 L.F. OF 18" CPEP S=~~0.0064~~ FT/FT IE(S)=~~2397.46~~, IE(N)=~~2396.06~~ — 0.0073, 2397.93, 2394.22
11. 84 L.F. OF 24" CPEP S=~~0.0024~~ FT/FT IE(S)=~~2395.65~~, IE(N)=~~2395.33~~ — 0.0039, 2395.22, 2395.30
12. RIPRAP OUTFALL - 18" THICKNESS, 11' MINIMUM STONE SIZE. SEE DETAIL 5, THIS SHEET FOR DIMENSIONS.
13. TYPE "B" DRYWELL W/ TYPE 4 METAL FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN B-15. VISTA RIDGE LANE STA 22+22.43, 200.97' LT., RIM ELEV= ~~2395.25~~, 2395.63
14. TYPE "B" DRYWELL W/ TYPE 4 METAL FRAME AND SOLID LID PER SPOKANE COUNTY STANDARD PLAN B-15. VISTA RIDGE LANE STA 31+67.27, 244.46' LT., RIM ELEV= ~~2395.25~~, 2395.65

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)
1 inch = 40' -L

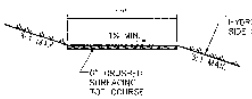


RIPRAP PAD DIMENSIONS			
	A	B	

PLAN VIEW-- RIPRAP PAD

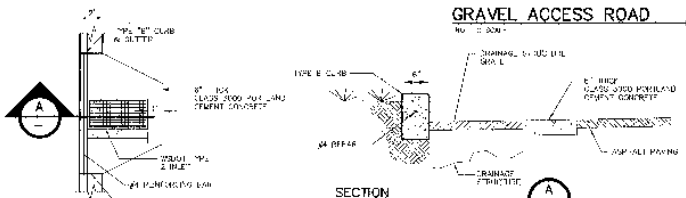
5

NOTE:
RIPRAP PAD MUST BE INSTALLED WITH FILTER FABRIC (AMOCO OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK



GRAVEL ACCESS ROAD

4

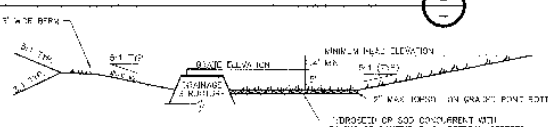


GRATE INLET APRON DETAIL

2

SECTION

A



SECTIONAL VIEW

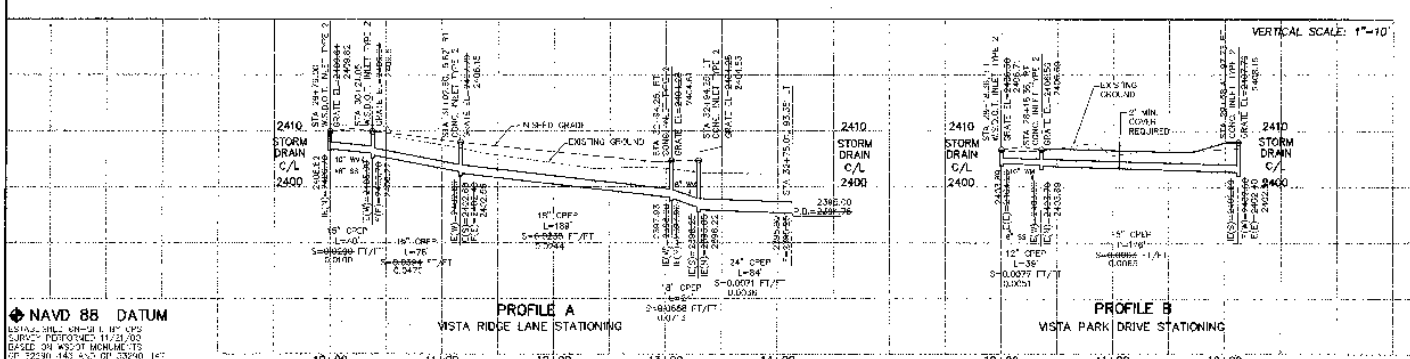
NOTE:
1. PROVIDE 2 PER FABRIC (AMOCO 4545 OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK AND BETWEEN THE WASHED DRAIN ROCK AND THE DRYWELL BARREL
2. SANDY LOAM IS PROHIBITED AS A POND BOTTOM MATERIAL

TYPICAL '208' POND WITH DRAINAGE STRUCTURE – POND B

3

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 2172.2.2
DATE ACCEPTED: 8/27/08

DEVELOPER'S APPROVAL — DATE



NAVD 88 DATUM
ESTIMATE BASED ON GPS SURVEY PERFORMED 11/21/00 BASED ON WSDOT MONUMENTS OF 52290 (43 AND OF 53240 (4

PROFILE A
VISTA RIDGE LANE STATIONING

PROFILE B
VISTA PARK DRIVE STATIONING

I HAVE CAREFULLY INSPECTED THE CONSTRUCTION AND TO MY KNOWLEDGE AND BELIEF IT IS IN GOOD ACCORDANCE WITH THE APPROVED PLAN, PLANS AND SPECIFICATIONS EXCEPT AS NOTED

8-21-08
EXPIRES 9/30/08

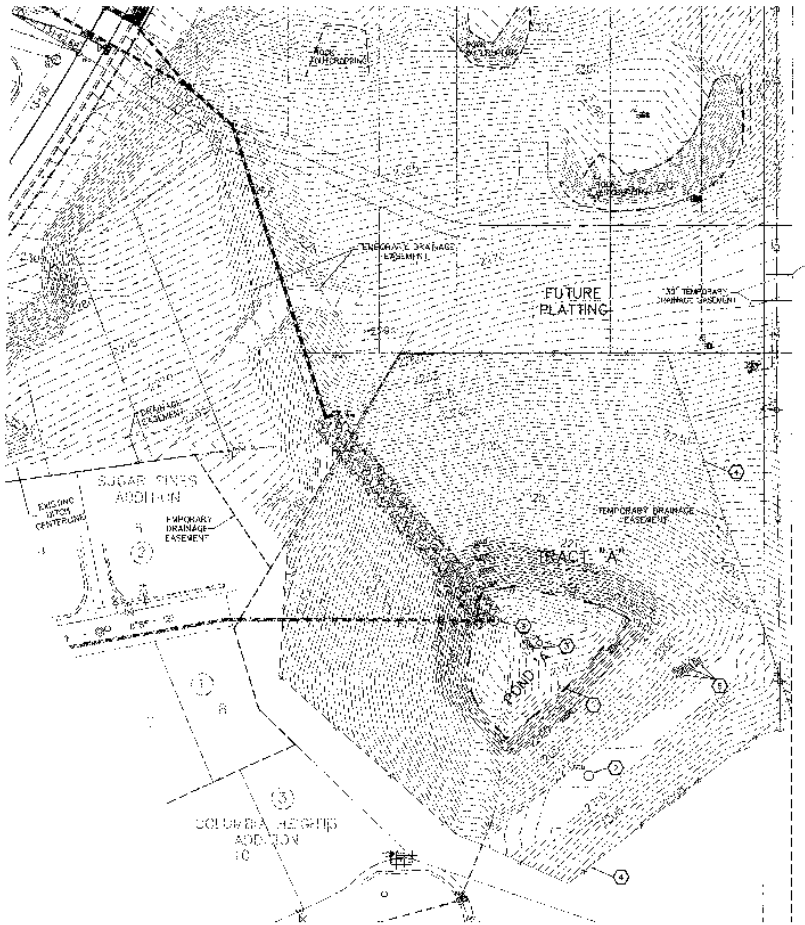
STREET AND DRAINAGE CONSTRUCTION PLANS
VISTA PLACE - WOODLAND ESTATES PUD
DRAINAGE DETAILS
SPOKANE COUNTY, WA

Sheet Title
DETAIL SHEET

11 OF 14
Sheet Number

P-17297 Drawings Built

SEC. 31, T.26 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON



POND 'A'

(1)

NOTES:
1. FOR PIPING AND STRUCTURES PLAN AND PROFILE SEE SHEET 1 OF 14.

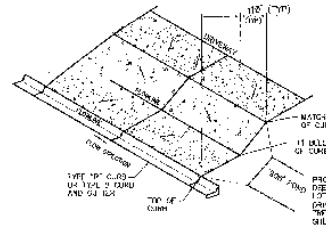
CONSTRUCTION NOTES

1. 4' KEYSTONE TYPE RETAINING WALL.
2. REMOVE AND REPLACE FLOW RESTRICTOR MANHOLE PER DETAIL A THIS SHEET.
3. EXISTING DRYWELLS, ADJUST RIM ELEV. TO 2185.17.
4. EXISTING FENCE.
5. EXISTING DI 3.0.0.1. GRATE INLETS TYPE 2. PROVIDE SOLID LIDS FOR INLETS.
6. DISCHARGE STRUCTURE FROM SUGAR PINES ADDITION.

NAVD 88 DATUM

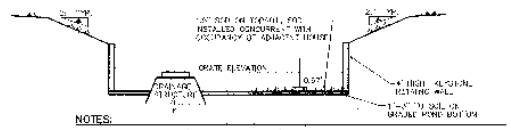
DEVELOPER'S APPROVAL — DATE 2/26/08

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-17291
DATE ACCEPTED: 8/27/08



TYPICAL DRIVEWAY DETAIL

(2)



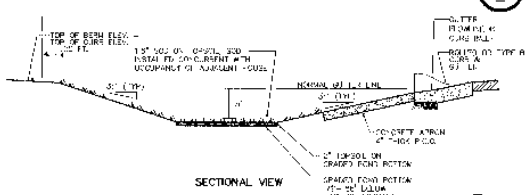
NOTES:

1. PROVIDE 1' (+/-) LAYER (SMOOTH RIVER ROCK OR COBBLE) BETWEEN THE MANHOLE SOIL AND THE MARBLE DRAIN ROCK AND BETWEEN THE WASHED DRAIN ROCK AND THE DRIVEWAY BARREL.
2. WHEN SOIL JOINTS ARE REQUIRED, USE FOR ORGANIC LANDFILL CAPACITY AND SOIL ORGANIC MATTER SHALL BE PERFORMED FOR EACH GRASSED PERCOLATION AREA 1500 S.F. OR LESS. AN ADDITIONAL 50% OF TESTS ARE REQUIRED FOR EACH ADDITIONAL 2000 S.F. OR FRACTION THEREOF. TESTS SHOULD BE PERFORMED ON A WELL-MIXED COMPOSITE SAMPLE, CONSISTING OF THE TOP 6 INCHES OF SOIL FROM AT LEAST 4 CORES UNIFORMLY DISTRIBUTED OVER THE PERCOLATION AREA. IF THE AVERAGE CATION EXCHANGE IS 15 MILLIEQUIVALENTS/100g OR MORE OR THE SOIL IS 20% ORGANIC CARBON OR MORE, THE SOIL WILL BE CONSIDERED SUITABLE FOR STORMWATER TREATMENT.

POND A

(B)

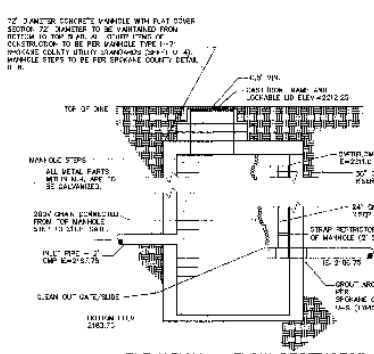
SECTIONAL VIEW



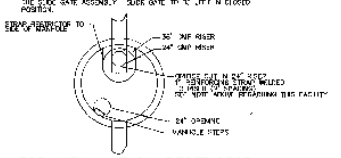
SECTIONAL VIEW

TYPICAL '208' POND WITHOUT DRAINAGE STRUCTURE

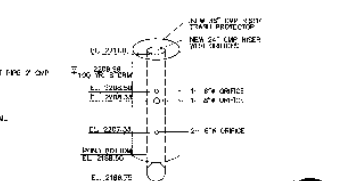
(C)



ELEVATION – FLOW RESTRICTOR



TOP VIEW – FLOW RESTRICTOR



SIDE VIEW – FLOW RESTRICTOR

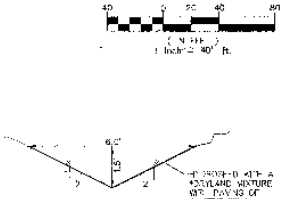
(3)

FLOW RESTRICTOR MANHOLE

NOT TO SCALE

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

GRAPHIC SCALE



"DRYLAND GRASS SEED MIX"
SPOKANE COUNTY PUBLIC WORKS, FEBRUARY 1996

GRASS SEED --- HIGH FRESH, CLEAN, NEW CROP SEED COMPRISED WITH TOLERANCE OF PURITY AND GERMINATION PER ASTA RULES. PER OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

10%	FINE PERENNIAL RYE
20%	DURANG HARD FESCUE
40%	DURANT SHEEP FESCUE
30%	REDTOPS CANADIAN BLUEGRASS

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

GRASS SEED: 100 LBS. PER ACRE
FERTILIZER: 16-20-0 (16% NITROGEN COMPOSITION) 500 LBS. PER ACRE

ALL SEEDING OF GRASSES SHALL BE DONE IN ACCORDANCE WITH THE REQUIRED SEASONAL SEED RATIONS, LBS. PER ACRE.

DRAINAGE DITCH

(A)

NOT TO SCALE

2/27/08

SPOKANE COUNTY ENGINEERS

DATE	DESCRIPTION
04/25/06	ORIGINAL PRELIMINARY
05/15/06	FIRST SUBMITTAL
02/26/08	FINAL SUBMITTAL
02/27/08	RECORD DRAWING

Drawn By: [illegible]
Designed By: [illegible]

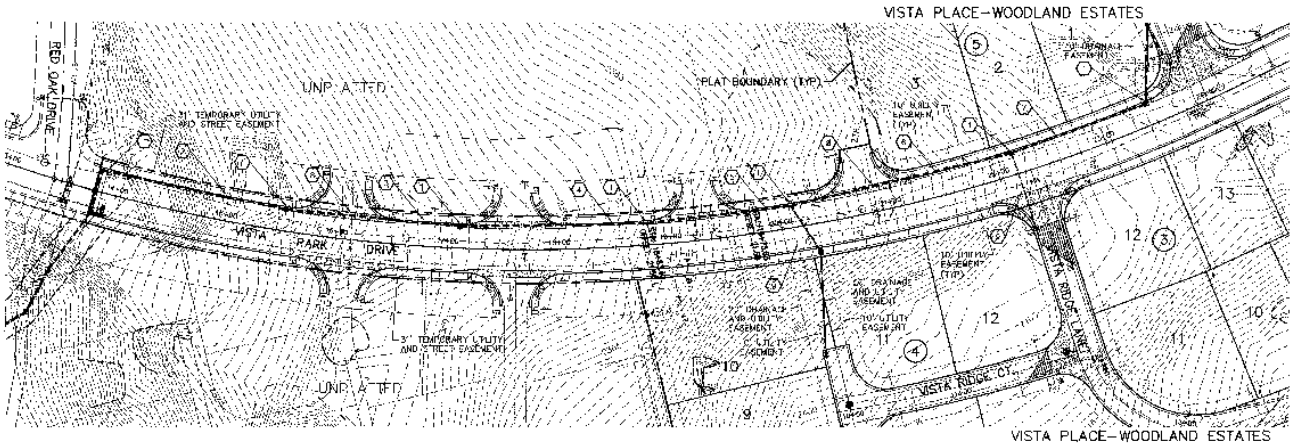
STREET AND DRAINAGE CONSTRUCTION PLANS
WISIA PLACE – WOODLAND ESTATES PUD
DRAINAGE DETAILS
SPOKANE COUNTY, WA

Sheet Title: DETAIL SHEET

Sheet Number: 2 OF 14

P17291 Eng As Builts

SEC. 31, T.26 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON



NAVD 88 DATUM
ESTABLISHED ON SITE BY GPS SURVEY PERFORMED 11/2/00 BASED ON WSDOT MONUMENTS GPS200 143 AND 553090 147

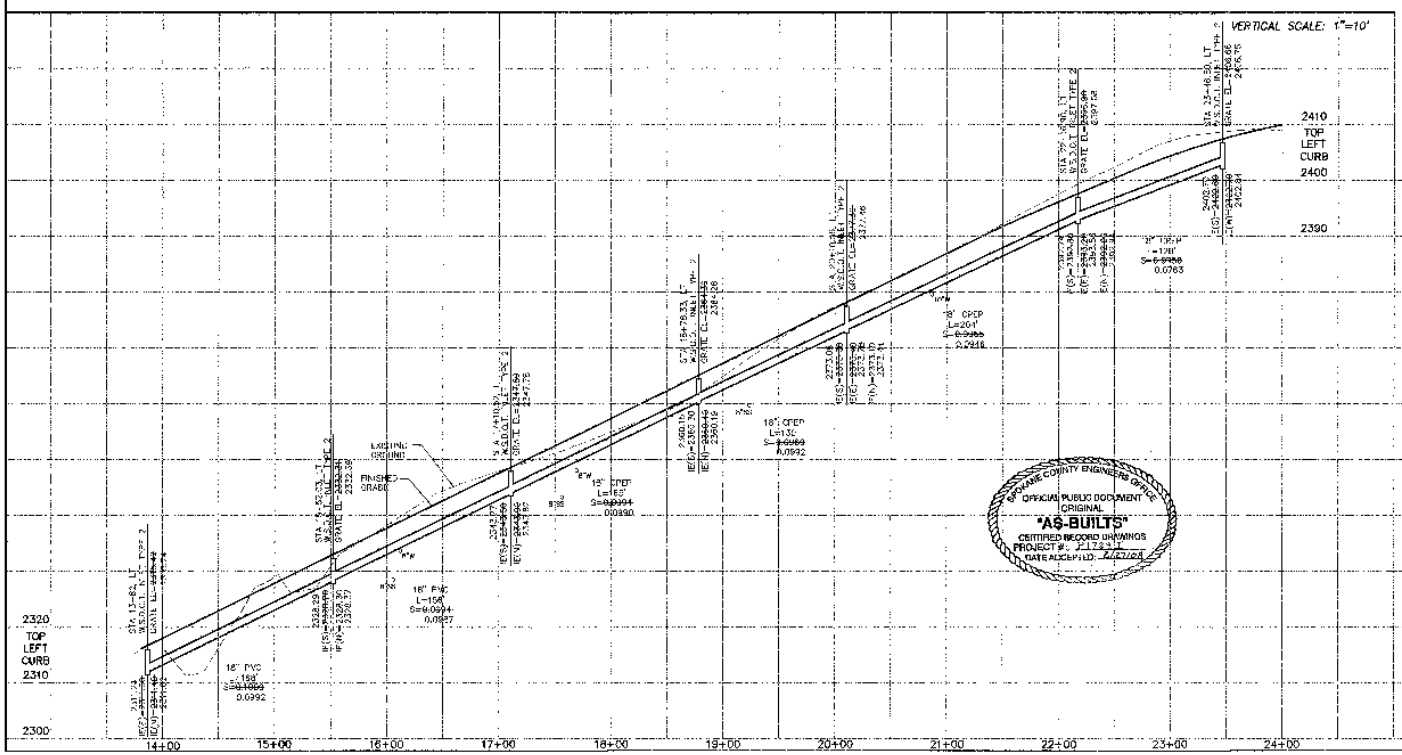
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

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

CONSTRUCTION NOTES

1. W.S.D.O.T. GRATE INLET TYPE 2 PER W.S.D.O.T. STANDARD PLANS B-40. SEE DETAIL 2 SHEET 11, SEE PROFILE FOR LOCATION AND ELEV.
2. 180 L.F. OF 18" PVC S=~~0.0100~~ 0.0992 FT/FT IE(N)=~~2376.98~~ 2376.28 IE(S)=2311.40 2311.82
3. 156 L.F. OF 18" PVC S=~~0.0084~~ 0.0987 FT/FT IE(N)=~~2343.80~~ 2343.77 IE(S)=~~2325.29~~ 2328.37
4. 185 L.F. OF 18" CPEP S=~~0.0094~~ 0.0992 FT/FT IE(N)=2360.50 2360.15 IE(S)=2344.50 2344.87
5. 130 L.F. OF 18" CPEP S=~~0.0050~~ 0.0992 FT/FT IE(N)=~~2373.00~~ 2373.02 IE(S)=2366.40 2367.19
6. 204 L.F. OF 18" CPEP S=~~0.0064~~ 0.0916 FT/FT IE(N)=~~2392.50~~ 2392.76 IE(S)=~~2373.00~~ 2372.44
7. 200 L.F. OF 18" CPEP S=~~0.0100~~ 0.0763 FT/FT IE(N)=~~2409.50~~ 2409.70 IE(S)=~~2389.00~~ 2382.94
8. 18" MIN. SEPARATION FROM ALL UTILITIES. UTILITIES CLOSER THAN 18" SHALL BE SLEEVED. MODIFY WATER LINE WHEN CONFLICTS OCCUR.
9. SEE SHEET 14 FOR PIPE SYSTEM AND PROFILE INFORMATION.

DEVELOPER'S APPROVAL — DATE



Associates, Inc.
Planning
Engineering
Surveying
Landscape Architecture
and Surveying

EXPIRES 3/31/07

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYWERS, P.E. WASHINGTON REGISTRATION NO. 36213 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
2/26/07	ORIGINAL INFORMATION
9/24/07	ECONOMIC SUBMITTAL
10/24/07	ECONOMIC SUBMITTAL
11/21/07	REVISED DRAWING
02/27/08	REVISED DRAWING

Project Number: 5300100
CLC Job Number: 5300100
Drawn By: SAW
Designed By: SAW
Date: 11/21/06

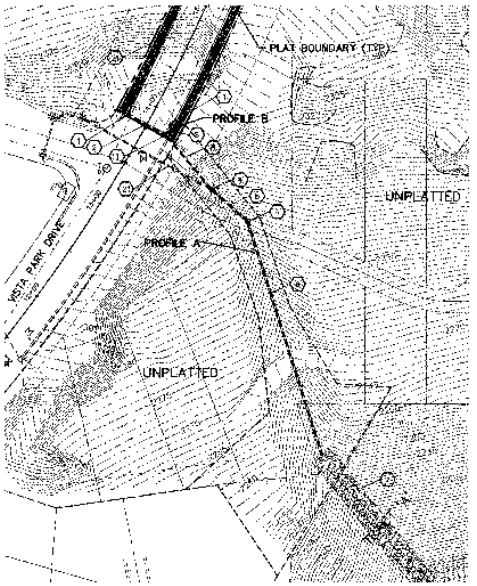
STREET CONSTRUCTION PLANS
VISTA PLACE - WOODLAND ESTATES PUD
STORM DRAIN PIPE PROFILE
VISTA PARK DRIVE
SPOKANE COUNTY, WA

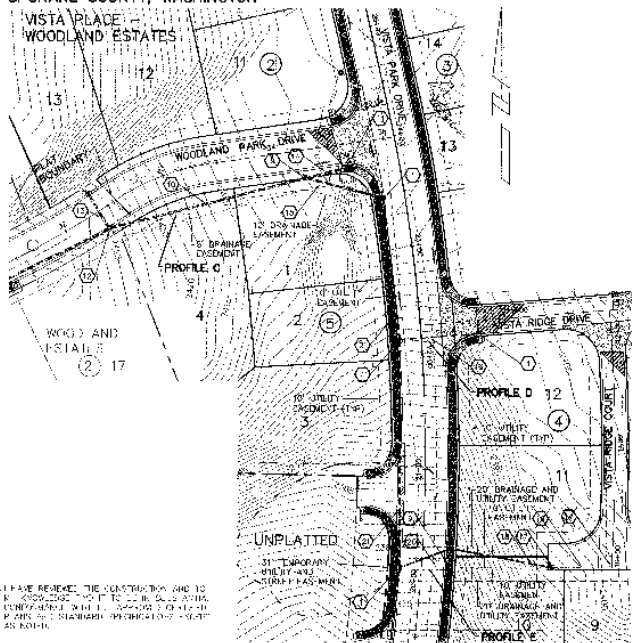
STORM DRAIN PIPE PROFILE

3 OF 14
Sheet Number

P-17291 Sheet

SEC. 31, T.26 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON





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

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

CONSTRUCTION NOTES

1. W.S.D.O.T. GRATE INLET TYPE 2 PER W.S.D.O.T. STD. PLANS 8-A2. PLACE LONG SIDE PERPENDICULAR TO THE CURB PER DETAIL 2 ON SHEET 1.
2. 46 L.F. OF 24" PVC, S=~~0.0694~~ FT/FT, IE(W)=~~2311.09~~, IE(E)=~~2310.86~~
   0.0000 2311.54 2310.44
3. 84 L.F. OF 24" PVC, S=~~0.1667~~ FT/FT, IE(W)=~~2302.60~~, IE(E)=~~2300.94~~
   0.1603 2301.34 2300.00
4. CONCRETE INLET TYPE 2 PER SPOKANE COUNTY STD. PLAN B-6 WITH TYPE 2 METAL FRAME WITH SOLID LID PER SPOKANE COUNTY STD. PLAN B-11.
   0.0272 2299.88 2299.11
5. 45 L.F. OF 24" PVC, S=~~0.0178~~ FT/FT, IE(W)=~~2298.83~~, IE(E)=~~2299.10~~
   0.864 2290.01 2218.02
6. 820 L.F. OF 24" PVC, S=~~0.4883~~ FT/FT, IE(W)=~~2201.93~~, IE(E)=~~2217.60~~
7. EXISTING RIPRAP OUTFALL.
   0.1120 2311.83 2307.71
8. 10 L.F. OF 18" CPEP, S=~~0.1308~~ FT/FT, IE(W)=~~2311.00~~, IE(E)=~~2310.86~~
9. CONCRETE INLET, TYPE 2 W/TYPE 2 METAL FRAME AND SOLID LID. PER SPOKANE COUNTY STANDARD PLANS B-6 AND B-12.
10. EXISTING 1/8 L.F. OF 24" CMP, S=~~0.0095~~ FT/FT, IE(W)=2420.20 (AS-BUILT), IE(E)=2404.18 (DESIGN). HIGH WATER VARIES PRIOR TO CONSTRUCTION.
11. EXISTING ENERGY DISSIPATER – TO BE REMOVED.
12. EXISTING CATCH BASIN. AS-BUILT GRATE E.=2424.67.
13. EXISTING 24" CMP.
14. REMOVE REMAINING SECTION OF THE EXISTING 24" CMP STORM DRAIN.
15. 72 L.F. OF 24" CPEP, S=0.0184 FT/FT, IE(W)=2404.05, IE(E)=2402.70
    0.0164 2303.53 2302.88
16. 40 L.F. OF 12" CPEP, S=0.0157 FT/FT, IE(W)=2393.20, IE(E)=2394.30
17. CONCRETE INLET, TYPE 2 W/TYPE 6 METAL FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLANS B-6 AND B-16.
    0.0319 2377.02 2394.61
18. 92 L.F. OF 12" CPEP, S=~~0.1739~~ FT/FT, IE(W)=~~2394.00~~, IE(E)=~~2397.50~~
19. 54 L.F. OF 12" CPEP, S=0.1284 FT/FT, IE(W)=2398.06, IE(E)=2390.48
    0.0641 2378.79 2376.53
20. 46 L.F. OF 12" CPEP, S=~~0.0614~~ FT/FT, IE(W)=~~2379.92~~, IE(E)=2378.11
21. SEE SHEET 13 FOR PIPE SYSTEM AND PROFILE INFORMATION.

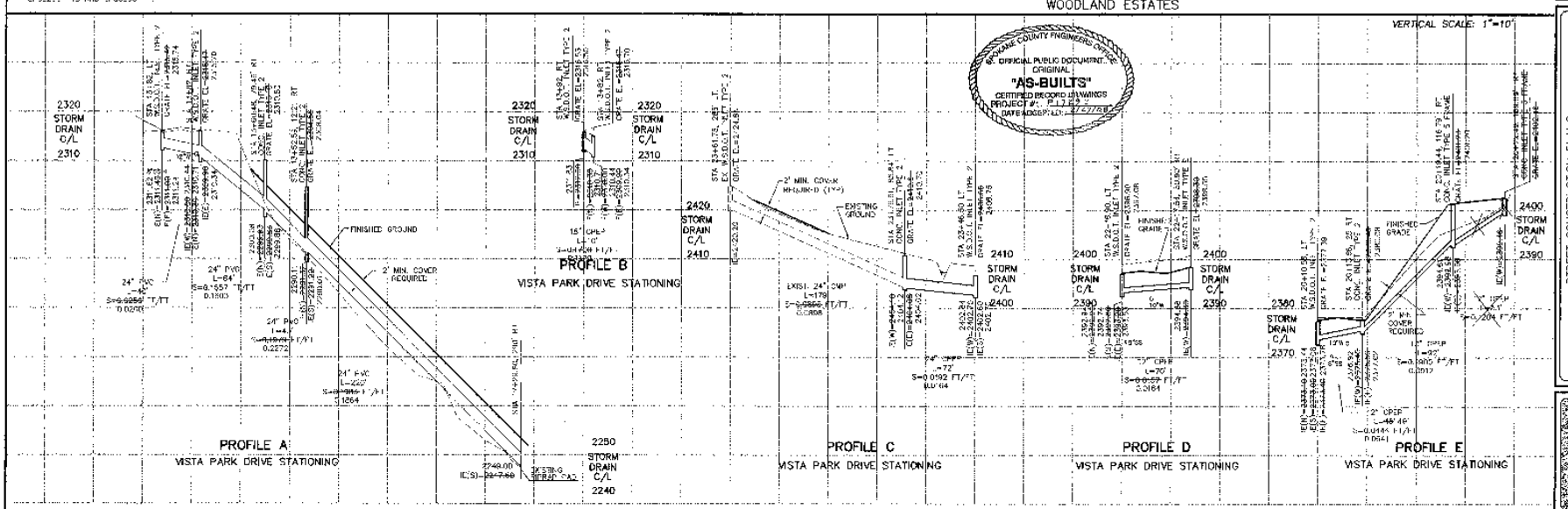
NAVD 88 DATUM
ELEVATIONS ON SITE BY GPS SURVEY PERFORMED 1/31/00 BASED ON WSDOT MONUMENTS GP3229-143 AND GP33390-147

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE IT IS IN ACCORDANCE WITH THE SPOKANE COUNTY STANDARD PLANS AND STANDARD SPECIFICATIONS, EXCEPT AS NOTED.
2-21-00
EXPIRES 9/30/00

DEVELOPER'S APPROVAL — DATE 2/16/00

VERTICAL SCALE: 1"=10'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1724
DATE ACCEPTED: 4/27/98



STREET CONSTRUCTION PLANS
VISTA PLACE – WOODLAND ESTATES P-3
STORM DRAIN PIPE PROFILE
SPOKANE COUNTY, WA

Sheet Title: STORM DRAIN PIPE PROFILE
4 OF 14
Sheet Number

P1724I Eng As Built