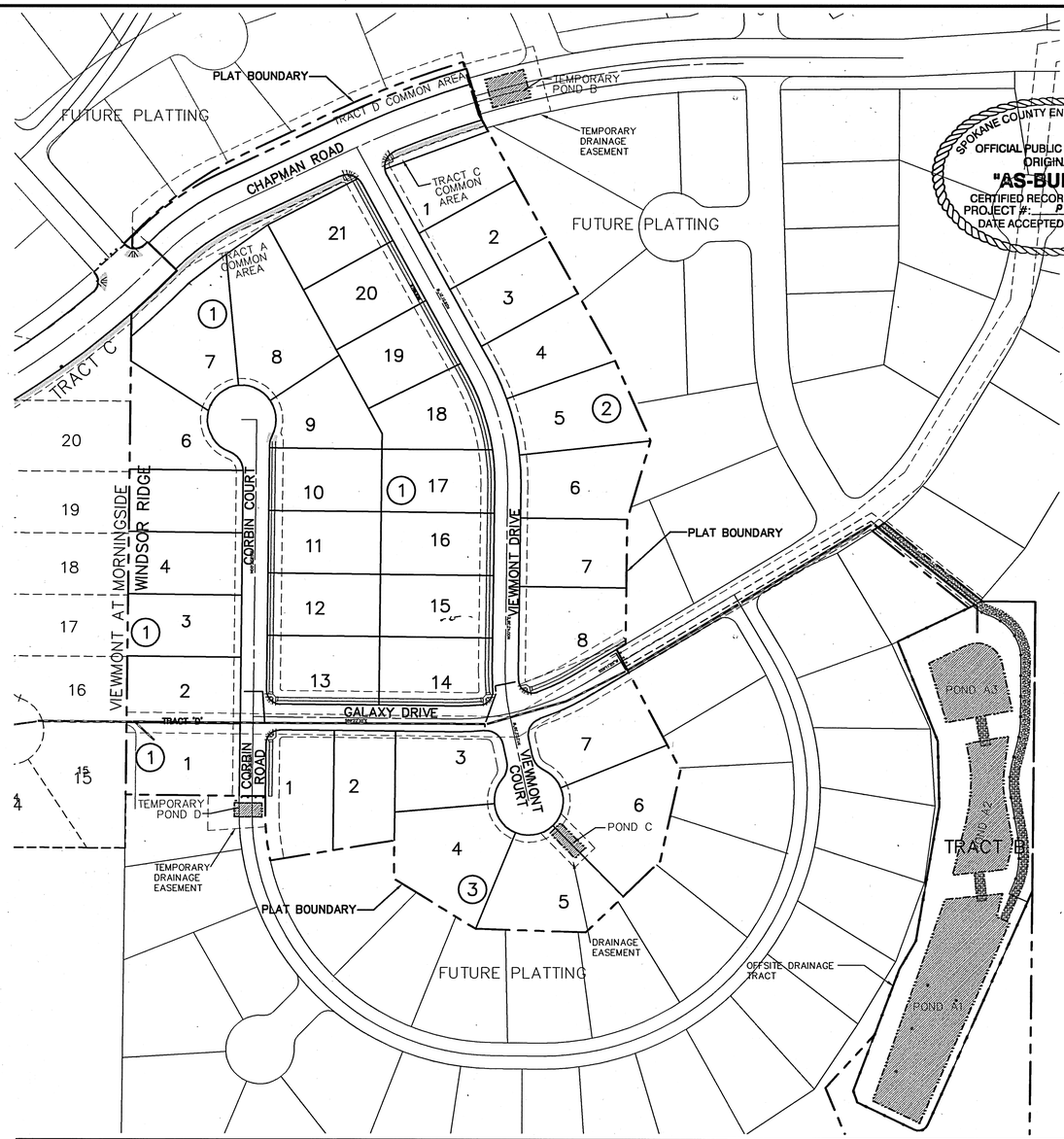
STREET PLANS
FOR
WINDSOR RIDGE

LOCATED IN SEC 30, T.25 N., R.45E., W.M.
SPOKANE, WASHINGTON



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769
DATE ACCEPTED: 8/5/02

RECORD DRAWING

3

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.

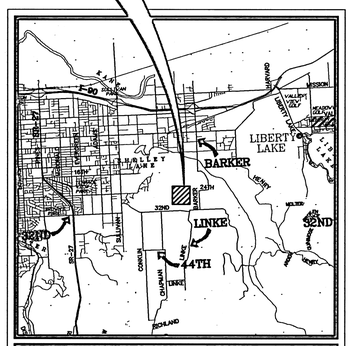
THE DESIGN ENGINEER'S SEAL WAS REMOVED DURING THE AS-BUILT PROCESS. THE INFORMATION OF RECORD FOR THE DESIGN ENGINEER'S SEAL IS AS FOLLOWS:
ENGINEER'S NAME: SCOTT A. RIVAS
ENGINEER'S NO.: 36605
DATE ON PLAN: 09/24/01

SANDRA A. ANTHONY — STATE OF WASHINGTON — 34268 — REGISTERED PROFESSIONAL ENGINEER
7-30-02
EXPIRES 04/11/04

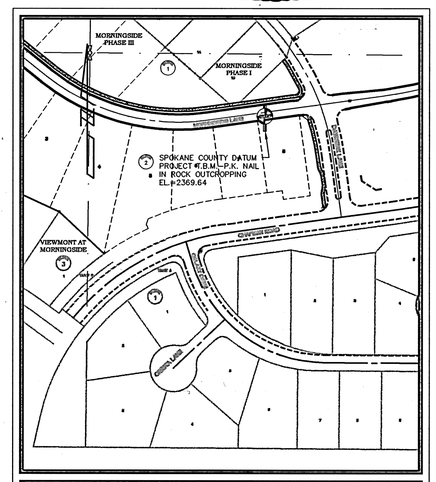
CONSTRUCTION CERTIFICATION ONLY

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

PROJECT LOCATION



VICINITY MAP



DATUM LOCATION MAP

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GENERAL 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 IS 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 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, SCOTT RIVAS ✆ 458-6840, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, STI NORTHWEST BRUCE HOWARD ✆ 534-9711, AND THE SPOKANE COUNTY ENGINEER'S OFFICE, ✆ 477-3600.

6) FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC, "AMOCO" 4545 OR APPROVED EQUIVALENT, BETWEEN THE DRYWELL BARREL AND THE WASHED DRAIN ROCK AND BETWEEN THE WASHED DRAIN ROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD DETAIL B-1A.

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 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 THE CONCRETE GUTTER.

10) ALL DRYWELL CONNECTION PIPES SHALL BE PLACED BELOW THE DRYWELL CONE AND SHALL FLOW AS DIRECTED IN THE PLANS.

11) ALL STORM DRAIN PIPES SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.

12) FOR ANY CURB GRADES LESS THAN 0.8% (0.0080 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.

13) THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDESLOPES OF THE SWALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF THE DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE GPA SWALE SHALL BE A MEDIUM TO WELL-DRAINING MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL GPA SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING FINISHED LANDSCAPING/SOD OR SEED AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOILS STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.

14) ALL CURB DROP INLETS ARE TO HAVE A 2" DEPRESSION PER FIGURE 4B, PAGE 6-84 OF THE SPOKANE COUNTY GUIDELINES FOR STORM WATER MANAGEMENT. ALL GUTTER INLETS SHALL BE CONSTRUCTED PER STANDARD DETAIL B-18.

15) 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.

16) WHERE DRYWELL GRATE IS GREATER THAN 0.5' ABOVE GRASS, CATION EXCHANGE TESTING AND/OR ORGANIC CARBON CONTENT TESTING IS REQUIRED FOR THE TOPSOIL. THE CONTRACTOR MUST PROVIDE SPOKANE COUNTY WITH AN ACCEPTABLE TEST REPORT OF THE CATION EXCHANGE CAPACITY OR ORGANIC CARBON CONTENT OF THE SOIL IN THE POND BOTTOM PRIOR TO ACCEPTANCE FOR BUILDING PERMIT.

17) THIS PLAN MAY NOT SHOW ALL EXISTING UTILITIES. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND ONE-CALL SERVICE SHALL BE USED TO ASSIST IN THIS DELINEATION.

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

DEVELOPER'S APPROVAL

DATE

COUNTY DATUM
PROJECT T.B.M. - P.K.
NAIL IN ROCK OUTCROPPING
ELEV=2369.84

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

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

Date	Description
05/16/01	COUNTY SUBMITTAL
08/01/01	COUNTY RESUBMITTAL
09/24/01	MYLARS
07/22/02	RECORD DRAWING BY T.E.I. 3

Project Number:	S980320
CLC Job Number:	S980320
Drawn By:	EMT/JCR
Designed By:	SAR
Checked By:	SAR

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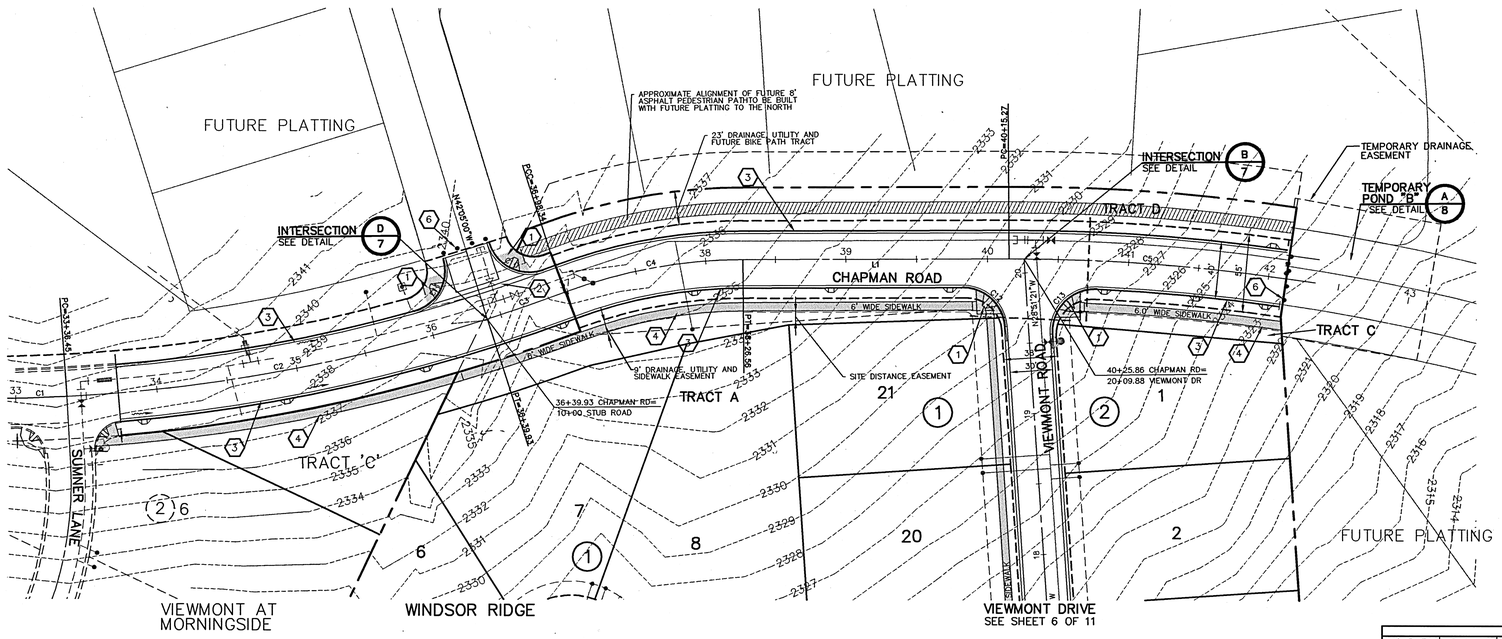
STREET CONSTRUCTION PLANS
WINDSOR RIDGE
COVER SHEET
SPOKANE COUNTY, WASHINGTON

Sheet Title
STREET AND DRAINAGE PLAN

P1769 Eng As Built

SEC. 30, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON



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

UNDERGROUND SERVICE ALERT
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456·8000
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CONSTRUCTION NOTES

1. CONSTRUCT WHEELCHAIR RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN B.
2. CONSTRUCT TYPE "1", CONCRETE CROSS GUTTER PER SPOKANE COUNTY STANDARD PLAN B-18.
3. CONSTRUCT TYPE "B" CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3
4. CONSTRUCT CONCRETE SIDEWALK PER ROAD SECTION "G", SHEET 7.
5. NOT USED.
6. INSTALL FLEXIBLE GUIDE POSTS (GROUND MOUNT) AT 5' SPACING MINIMUM FOR ENTIRE ROAD WIDTH. SEE WSDOT STANDARD PLAN H-1.
7. NOT USED.

3

RECORD DRAWING

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.

SANDRA A. ANTHONY
STATE OF WASHINGTON
34268
REGISTERED PROFESSIONAL ENGINEER
7-30-02
EXPIRES 04/11/04

THE DESIGN ENGINEER'S SEAL WAS REMOVED DURING THE AS-BUILT PROCESS. THE INFORMATION OF RECORD FOR THE DESIGN ENGINEER'S SEAL IS AS FOLLOWS:
ENGINEER'S NAME: SCOTT A. RIVAS
ENGINEER'S NO.: 36605
DATE ON PLAN: 09/24/01

CONSTRUCTION CERTIFICATION ONLY

LINE TABLE		
LINE	BEARING	LENGTH
L1	N64°45'56"E	188.71'

CURVE TABLE					
CURVE	RADIUS		CHORD BRG	CHORD	DELTA
*C1	1180.00'		N67°35'03"E	237.03'	11°31'43"
*C2	1180.00'		N54°27'08"E	302.63'	14°44'06"
*C3	1180.00'	58.41'	N45°40'00"E	58.40'	2°50'09"
*C4	358.11'	128.24'	S54°30'26"W	127.55'	20°31'01"
*C5	1334.46'	197.36'	S69°00'09"W	197.18'	8°28'26"
C10	30.00'	48.06'	S87°58'38"E	43.08'	91°47'15"
C11	30.01'	47.91'	N03°40'26"E	42.98'	91°29'31"

* RADIUS MEASURED FROM FLOWLINE OF TYPE "B" CURB.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P 1769
DATE ACCEPTED: 8/5/02

Date	Description
05/16/01	COUNTY SUBMITTAL
08/01/01	COUNTY RESUBMITTAL
09/24/01	MYLARS
07/22/02	RECORD DRAWING BY T.E.I. 3

Project Number: S980320
CLC Job Number: XX-XXX
Drawn By: EMT/JCR
Designed By: EMT/JCR
Checked By: SAR

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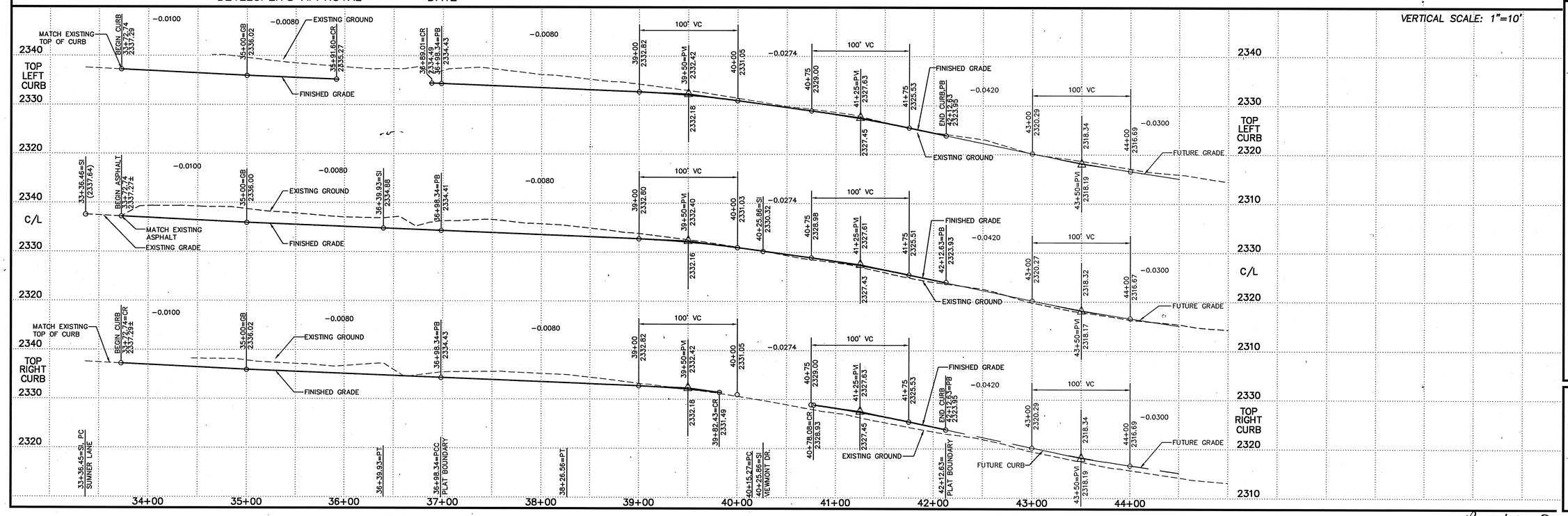
⊕ COUNTY DATUM
PROJECT T.B.M. – P.K.
NAIL IN ROCK OUTCROPPING
ELEV=2369.64 (SEE COVER SHEET FOR LOCATION)

DEVELOPER'S APPROVAL DATE

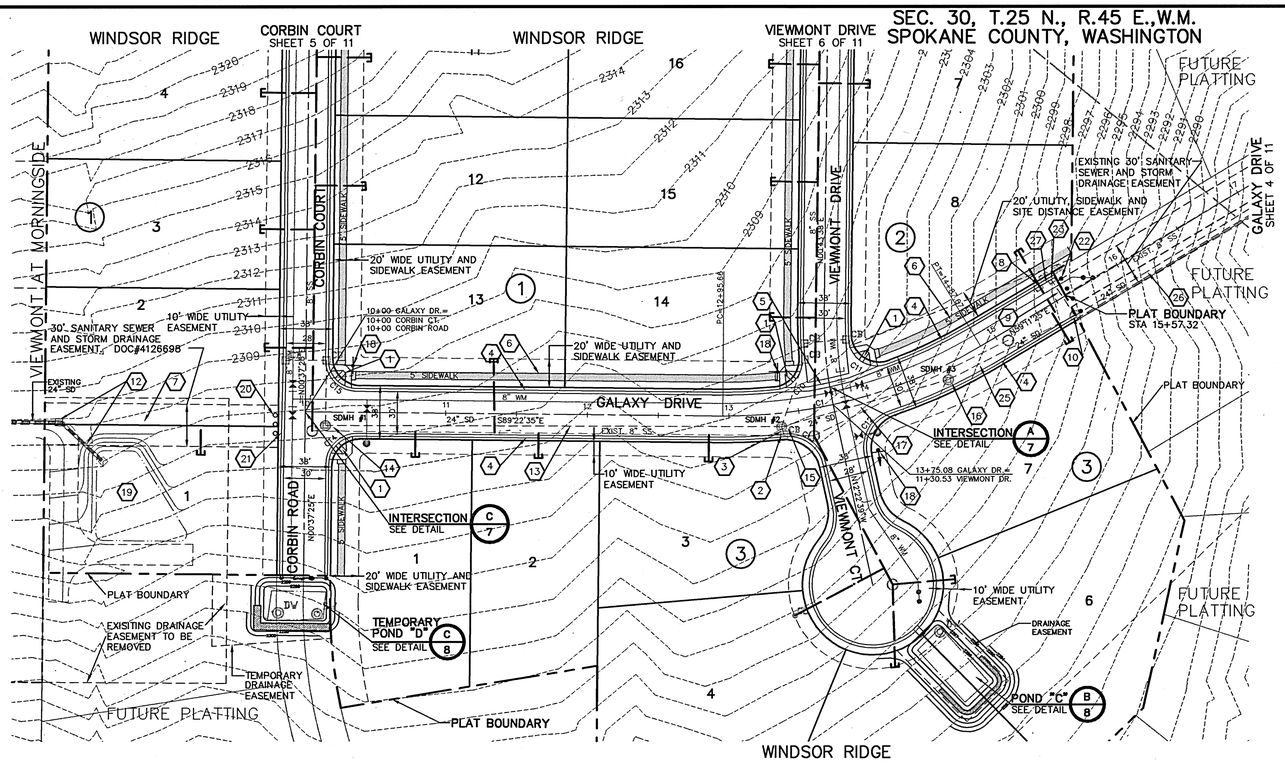


STREET CONSTRUCTION PLANS
WINDSOR RIDGE
CHAPMAN ROAD
STA. 33+72.73 TO STA. 42+12.63
SPOKANE COUNTY, WASHINGTON

Sheet Title
STREET PLAN AND PROFILE

2 OF 10
Sheet Number

P 1769 Eng As Built



CONSTRUCTION NOTES

1. WHEELCHAIR RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN 'B'.
2. INLET #5-WSDOT GRATE INLET TYPE 2 WITH GRATE "A" PER WSDOT STANDARD PLAN B-4c; STA 13+37.50, 14.5' RT. SEE INLET APRON DETAIL (H/7)
3. PIPE #26, SEE PROFILE BELOW.
4. CONSTRUCT TYPE "R" CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
5. CROSS GUTTER TYPE 1 PER SPOKANE COUNTY STANDARD PLAN B-18.
6. CONSTRUCT SIDEWALK PER ROAD SECTION DETAIL "F", SHEET 7 OF 11.
7. PIPE #3, SEE PROFILE BELOW.
8. INLET #6-INSTALL WSDOT GRATE INLET TYPE 2 WITH GRATE "A" PER WSDOT STANDARD PLAN B-4c; STA 15+45, 14.5' LT. SEE INLET APRON DETAIL (H/7)
9. PIPE #22, SEE PROFILE BELOW.
10. INLET 6A-INSTALL WSDOT TYPE 2 CATCH BASIN PER WSDOT STANDARD PLAN B-1E WITH TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4; STA 15+54.66, 14.5' RT; SEE INLET APRON DETAIL. (H/7)
11. NOT USED.
12. REMOVE EXISTING TYPE 2 CATCH BASIN AND PIPE AND CONNECT TO EXISTING 24" PVC STORM DRAIN PIPE. NOTE THAT THIS CATCH BASIN AND PIPE CANNOT BE REMOVED UNTIL THE ENTIRE STORM DRAIN SYSTEM AND POND HAVE BEEN BUILT SINCE IT CONVEYS THE RUNOFF FROM THE EXISTING VIEWMONT SUBDIVISION TO THE WEST.
13. PIPE #4, SEE PROFILE BELOW.
14. SDMH #1-INSTALL (TYPE III-54), STA 10+17, 9' RT;
15. SDMH #2-INSTALL (TYPE III-54), STA 13+38, 9.34' RT;
16. SDMH #3-INSTALL (TYPE III-54), STA 14+58, 10' RT;
17. PIPE #11, SEE PROFILE BELOW.
18. INSTALL STREET ~~AND STOP SIGN PER M.U.T.C.D. R1-1 AND~~ SPOKANE COUNTY STANDARD PLAN A-16. (DELETED PER SPOKANE COUNTY TRAFFIC DEPT. △3)
19. FILL EXISTING POND IN 1' LIFTS AND COMPACT TO 80%.
20. INSTALL 3 BOLLARDS PER WSDOT STANDARD PLAN H-13.
21. CONSTRUCT 25 FT. SECTION OF REINFORCED ROLLED CURB CENTERED ON MAINTENANCE ACCESS. SEE DETAIL 2, THIS SHEET.
22. INSTALL FLEXIBLE GUIDE POSTS (GROUND MOUNT) AT 5' SPACING MINIMUM FOR ENTIRE ROAD WIDTH. SEE WSDOT STANDARD PLAN H-1.
23. INLET 6B-INSTALL SPOKANE COUNTY GRATE INLET TYPE 1 WITH TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4. STA 15+55, 14.5' RT. SEE INLET APRON DETAIL (H/7)
24. NOT USED.
25. PIPE #12, SEE PROFILE BELOW.
26. PIPE #16, SEE PROFILE BELOW.
27. PIPE #28, SEE PROFILE BELOW.

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

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

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

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769
DATE ACCEPTED: 8/5/02

Date	Description
05/16/01	COUNTY SUBMITTAL
08/01/01	COUNTY RE-SUBMITTAL
09/24/01	M'LARS
07/22/02	RECORD DRAWING BY T.E.I. △3

CLC Job Number: 98320
Drawn By: EMT/JCR
Designed By: MBZ
Checked By: SAR

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CURVE INFORMATION

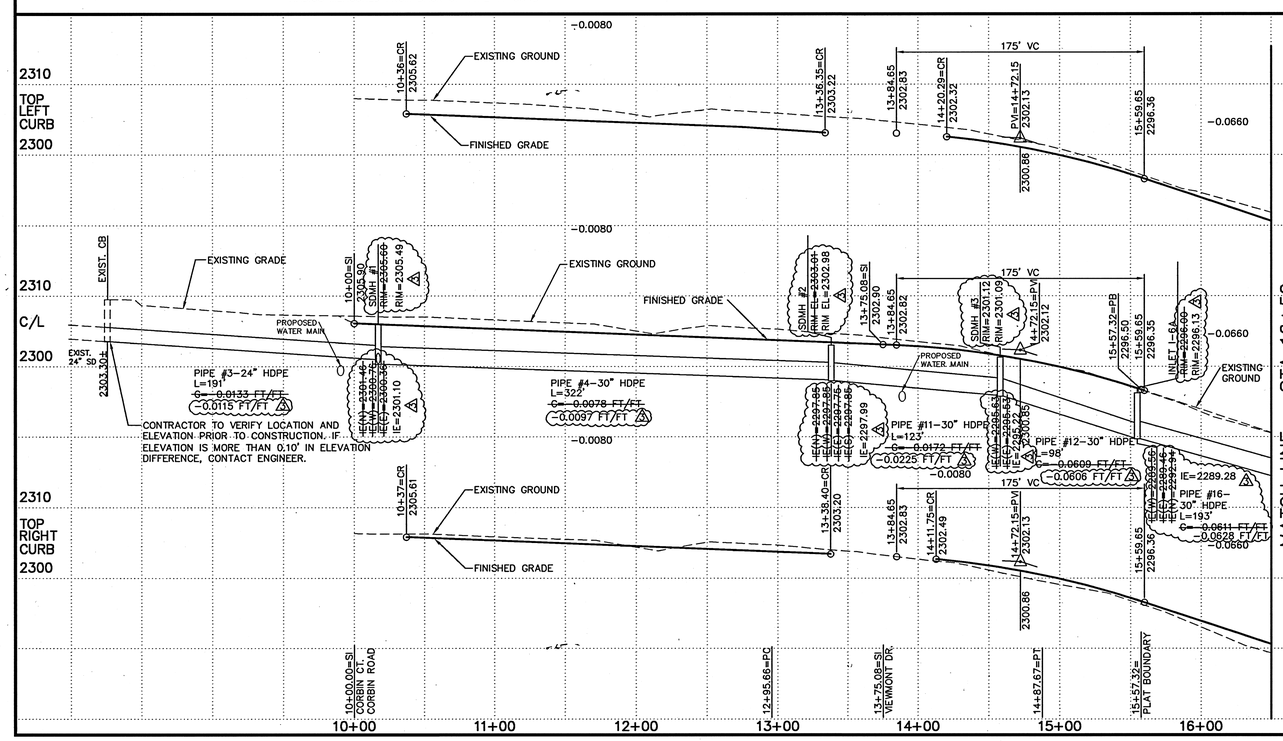
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	350.00'	192.01'	98.49'	189.62'	31°26'00"
*C10	20.00'	33.59'	22.30'	29.78'	96°13'35"
*C11	20.00'	37.34'	27.02'	32.15'	106°58'51"
*C12	25.00'	36.59'	22.45'	33.41'	83°50'58"
*C13	25.00'	36.59'	22.45'	33.41'	83°50'58"
*C14	20.00'	31.42'	20.00'	28.28'	90°00'00"
*C15	20.00'	31.42'	20.00'	28.28'	90°00'00"

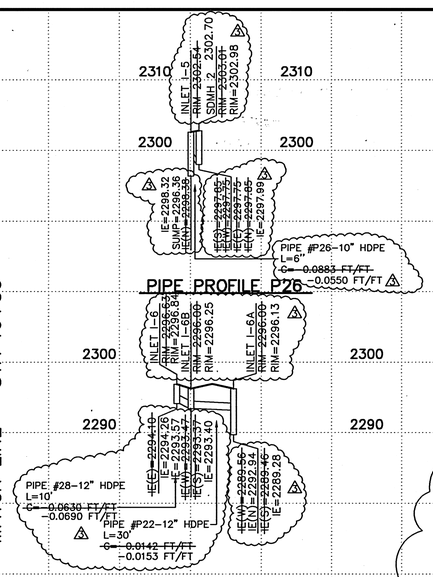
*RADIUS MEASURED FROM BACK OF TYPE 'R' CURB

⊕ COUNTY DATUM

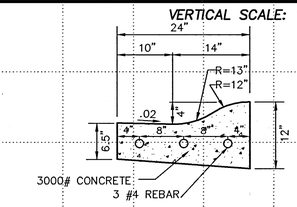
PROJECT T.B.M. - P.K.
NAIL IN ROCK OUTCROPPING
ELEV=2369.64 (SEE COVER SHEET FOR LOCATION)

DEVELOPER'S APPROVAL DATE





VERTICAL SCALE: 1"=10'



REINFORCED ROLLED CURB DETAIL (2/-)
NOT TO SCALE

RECORD DRAWING

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DATE ON PLAN: 09/24/01

SANDRA A. ANTHONY
STATE OF WASHINGTON
34268
REGISTERED PROFESSIONAL ENGINEER
7-30-02
EXPIRES 04/11/04

CONSTRUCTION CERTIFICATION ONLY

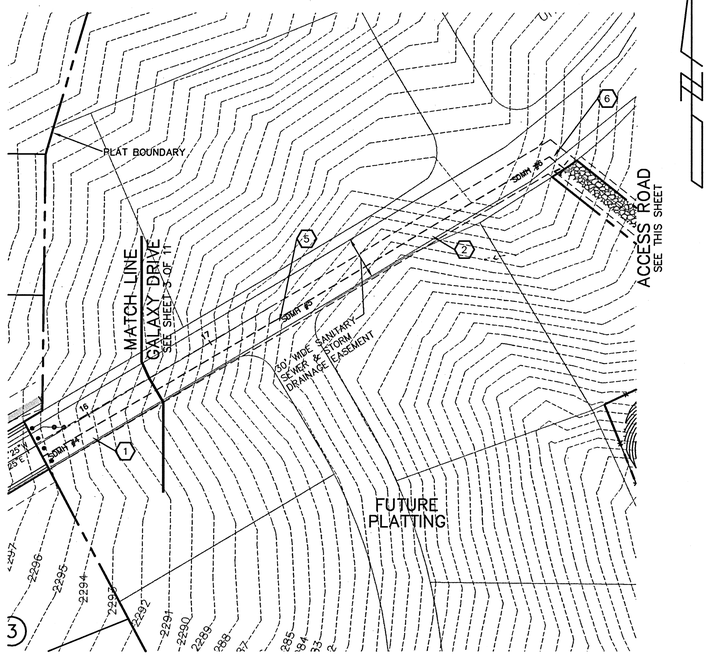
STREET CONSTRUCTION PLANS
WINDSOR RIDGE
GALAXY DRIVE
STA. 10+00.00 TO STA. 16+50
SPOKANE COUNTY, WASHINGTON

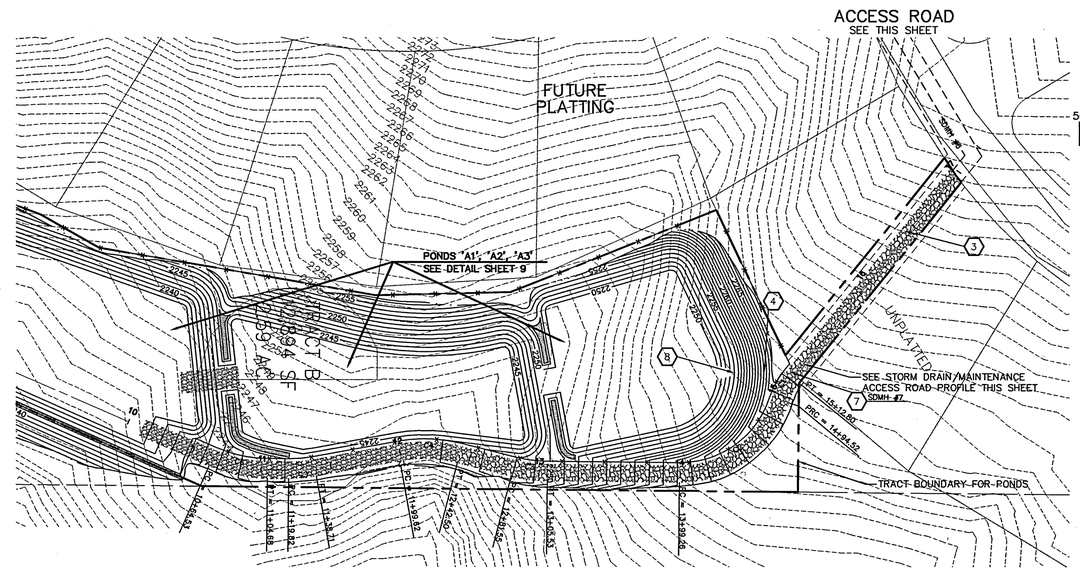
Sheet Title
STREET PLAN AND PROFILE

3 OF 10
Sheet Number

P1769 Eng As Built

SEC. 30, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON





GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
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Date	Description
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08/01/01	COUNTY RESUBMITTAL
09/24/01	MYLARS
07/22/02	RECORD DRAWING BY T.E.I.

Project Number:	S98320
CLC Job Number:	XX-XXX
Drawn By:	EMT/JCR
Designed By:	EMT/SAR
Checked By:	SAR

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CONSTRUCTION NOTES

1. PIPE #16, SEE PROFILE BELOW.
2. PIPE #16A, SEE PROFILE BELOW.
3. PIPE #13, SEE PROFILE BELOW.
4. PIPE #13A, SEE PROFILE BELOW.
5. SDMH #5–INSTALL WSDOT TYPE 2 CATCH BASIN PER WSDOT STANDARD PLAN B–1E WITH TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B–4, STA 17+48, 14.5' RT.
6. SDMH #6–INSTALL WSDOT TYPE 2 CATCH BASIN PER WSDOT STANDARD PLAN B–1E WITH TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B–4, STA 19+74, 14.5' RT.
7. SDMH #7–INSTALL (TYPE III–54), STA 15+13, 14.5' RT.
8. END STORM DRAIN, STA 14+97, 48.8' RT. SEE SHEET 10 FOR OUTLET STRUCTURE DETAIL.

CURVE TABLE					
CURVE	RADIUS	LENGTH	CHORD BRG	CHORD	DELTA
C1	50.00'	18.28'	S61°44'47"E	18.18'	20°57'09"
C2	75.00'	95.25'	N35°50'24"W	88.98'	72°45'57"
C3	100.00'	23.98'	N07°24'47"E	23.92'	13°44'24"
C4	100.00'	42.88'	S02°00'00"W	42.55'	24°33'59"
C5	100.00'	18.90'	N04°52'12"W	18.87'	10°49'34"
C6	100.00'	40.15'	N12°02'41"E	39.88'	23°00'12"

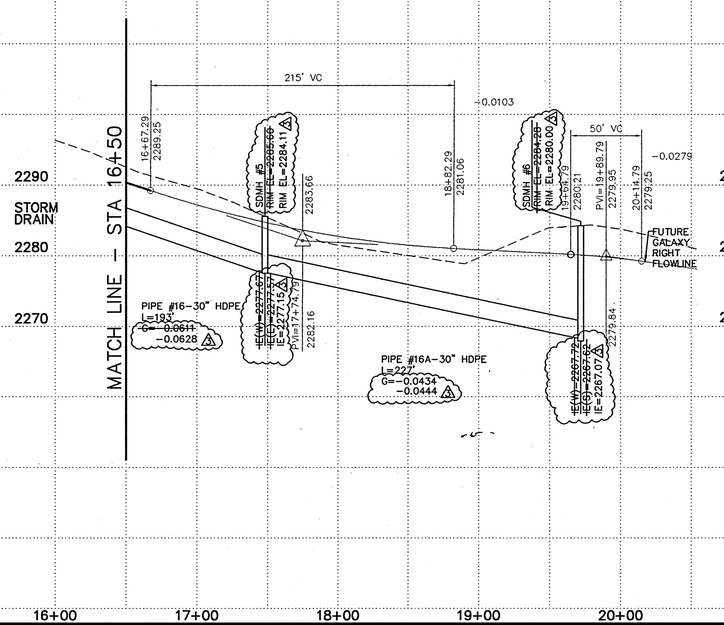
COUNTY DATUM

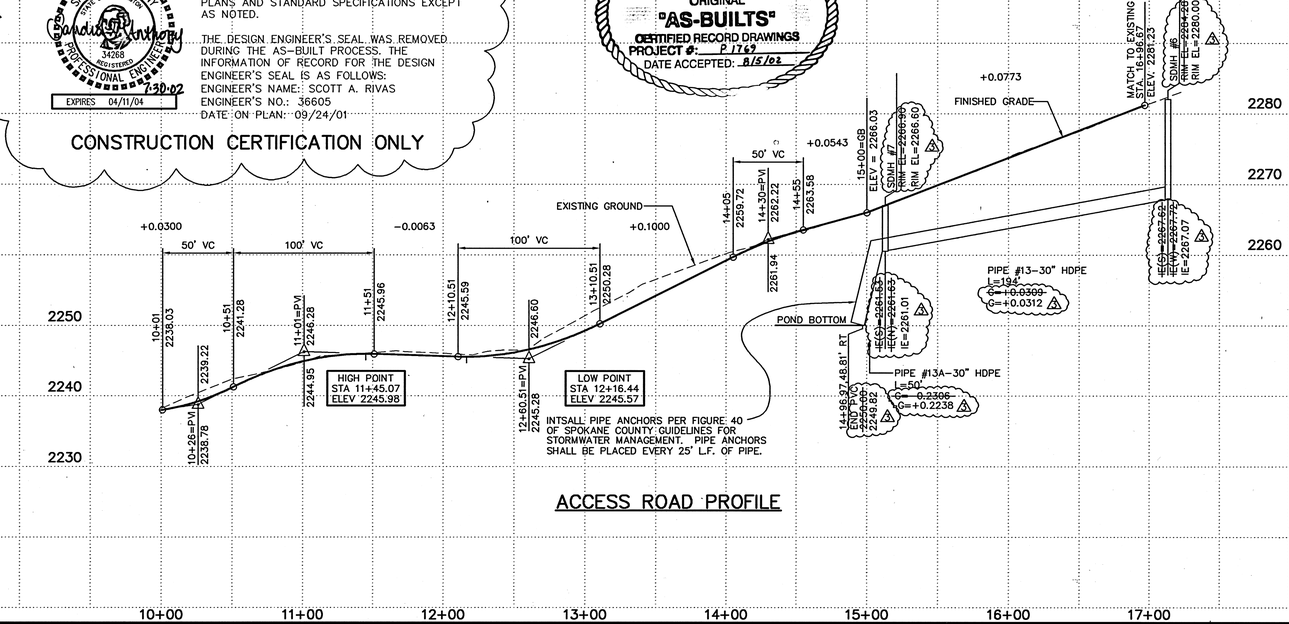
PROJECT T.B.M. – P.K.
NAIL IN ROCK OUTCROPPING
ELEV=2369.64 (SEE COVER SHEET FOR LOCATION)

DEVELOPER'S APPROVAL

DATE

VERTICAL SCALE: 1"=10'





ACCESS ROAD PROFILE

RECORD DRAWING

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.

THE DESIGN ENGINEER'S SEAL WAS REMOVED DURING THE AS-BUILT PROCESS. THE INFORMATION OF RECORD FOR THE DESIGN ENGINEER'S SEAL IS AS FOLLOWS:
ENGINEER'S NAME: SCOTT A. RIVAS
ENGINEER'S NO.: 36605
DATE ON PLAN: 09/24/01

SANDRA A. ANTHONY
STATE OF WASHINGTON
34268
REGISTERED PROFESSIONAL ENGINEER
7-30-02
EXPIRES 04/11/04

CONSTRUCTION CERTIFICATION ONLY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1769
DATE ACCEPTED: 8/5/02

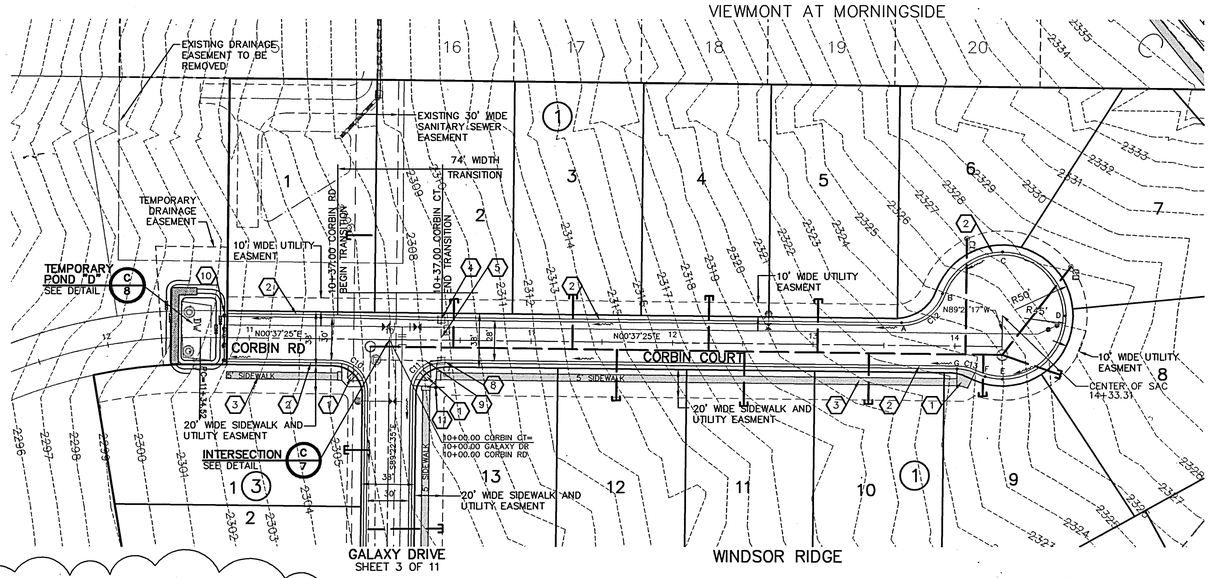
STORM DRAIN CONSTRUCTION PLANS
WINDSOR RIDGE
GALAXY DRIVE
STA. 16+50 TO 21+00
SPOKANE COUNTY, WASHINGTON

Sheet Title
STORM DRAIN PLAN AND PROFILE

4 OF 10
Sheet Number

P 1769 Eng As Built

SEC. 30, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON



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

UNDERGROUND SERVICE ALERT
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Spokane, WA 99204
Phone: (509) 458-6840
Fax: (509) 458-6844

CONSTRUCTION NOTES

1. CONSTRUCT WHEELCHAIR RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN 'B'.
2. CONSTRUCT TYPE "R" CURB PER SPOKANE COUNTY STANDARD PLAN A-3
3. CONSTRUCT CONCRETE SIDEWALK PER DETAIL "E", SHEET 7
4. INLET #2A-INSTALL WSDOT GRATE INLET TYPE 2 WITH GRATE "A" PER WSDOT STANDARD PLAN B-4c; STA 10+37, 13.5' LT.; SEE INLET APRON DETAIL. (H 7)
5. PIPE #P17-SEE PROFILE BELOW.
6. NOT USED
7. NOT USED
8. INLET #2- INSTALL WSDOT GRATE INLET TYPE 2 WITH GRATE "A" PER WSDOT STANDARD PLAN B-4c; STA 10+37, 13.5' RT.; RIM ELEV=~~2307.16;~~ IE(W)=2303.55, IE(S)=2303.45. SEE INLET APRON DETAIL. (H 7) 2307.32 △3
9. PIPE #P2-SEE PROFILE BELOW.
10. INSTALL FLEXIBLE GUIDE POSTS (GROUND MOUNT) AT 5' SPACING MINIMUM FOR ENTIRE ROAD WIDTH. SEE WSDOT STANDARD PLAN H-1.
11. INSTALL STREE ~~& STOP~~ SIGN PER ~~M.U.T.C.D. R1-1 AND~~ SPOKANE COUTNY STANDARD PLAN A-16. DELETED PER SPOKANE COUNTY TRAFFIC DEPT. △3

CURVE INFORMATION					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	20.00'	31.42'	20.00'	28.28'	90°00'00"
C11	20.00'	31.42'	20.00'	28.28'	90°00'00"
C12	30.00'	37.35'	53.00'	99.00'	71°20'23"
C13	30.00'	13.06'	64.00'	96.00'	24°56'45"

*RADIUS MEASURED FROM BACK OT TYPE 'R' CURB

Date	Description
05/16/01	COUNTY SUBMITTAL
08/01/01	COUNTY RE-SUBMITTAL
09/24/01	MYLARS
07/22/02	RECORD DRAWING BY T.E.I. △3

Project Number: S98320
CLC Job Number: S98320
Drawn By: EMT
Designed By: MBZ
Checked By: SAR

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△3 RECORD DRAWING

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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ENGINEER'S NAME: SCOTT A. RIVAS
ENGINEER'S NO.: 36605
DATE ON PLAN: 09/24/01

SANDRA A. ANTHONY — STATE OF WASHINGTON — 34088 — REGISTERED PROFESSIONAL ENGINEER
7-30-02
EXPIRES 04/11/04

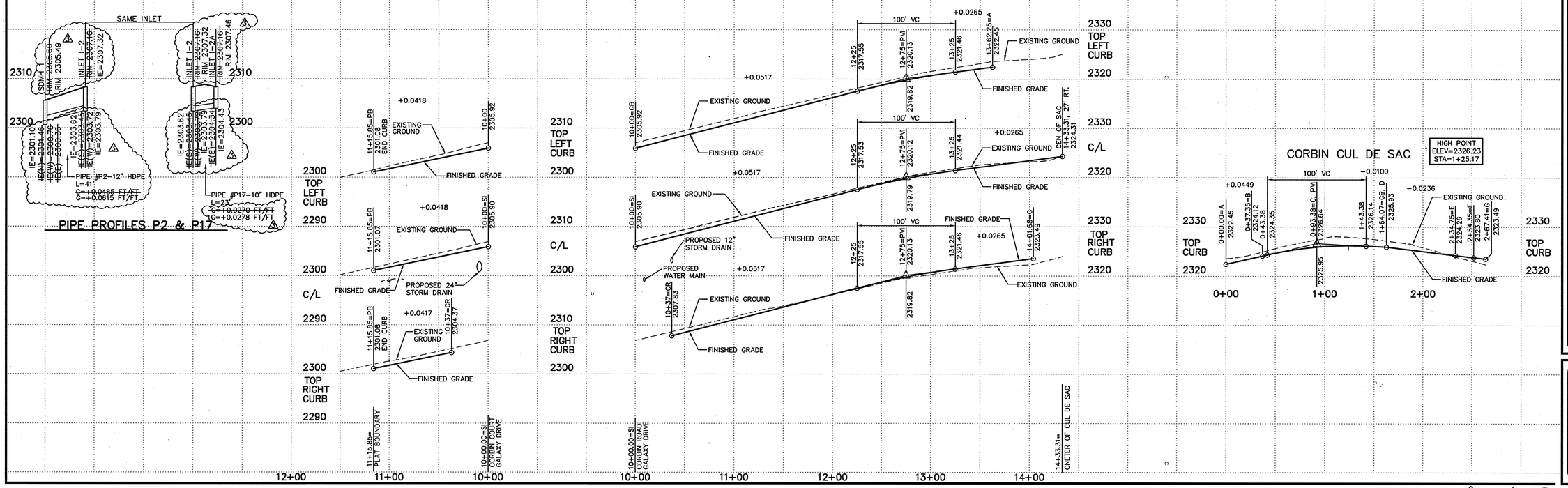
CONSTRUCTION CERTIFICATION ONLY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769
DATE ACCEPTED: 8/5/02

DEVELOPER'S APPROVAL — DATE

COUNTY DATUM
PROJECT T.B.M. – P.K. NAIL IN ROCK OUTCROPPING ELEV=2369.64 (SEE COVER SHEET FOR LOCATION)

VERTICAL SCALE: 1"=10'



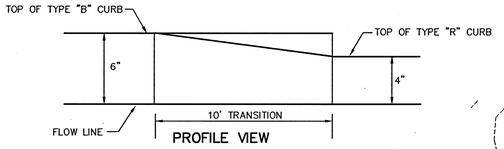
STREET CONSTRUCTION PLANS
WINDSOR RIDGE
CORBIN ROAD STA. 10+00.00 TO STA. 14+33.13
CORBIN COURT STA. 10+00 TO STA. 11+15.85
SPOKANE COUNTY, WASHINGTON

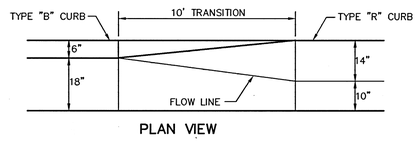
Sheet Title
STORM DRAIN PLAN AND PROFILE

5 OF 10
Sheet Number

P 1769 Eng As Built

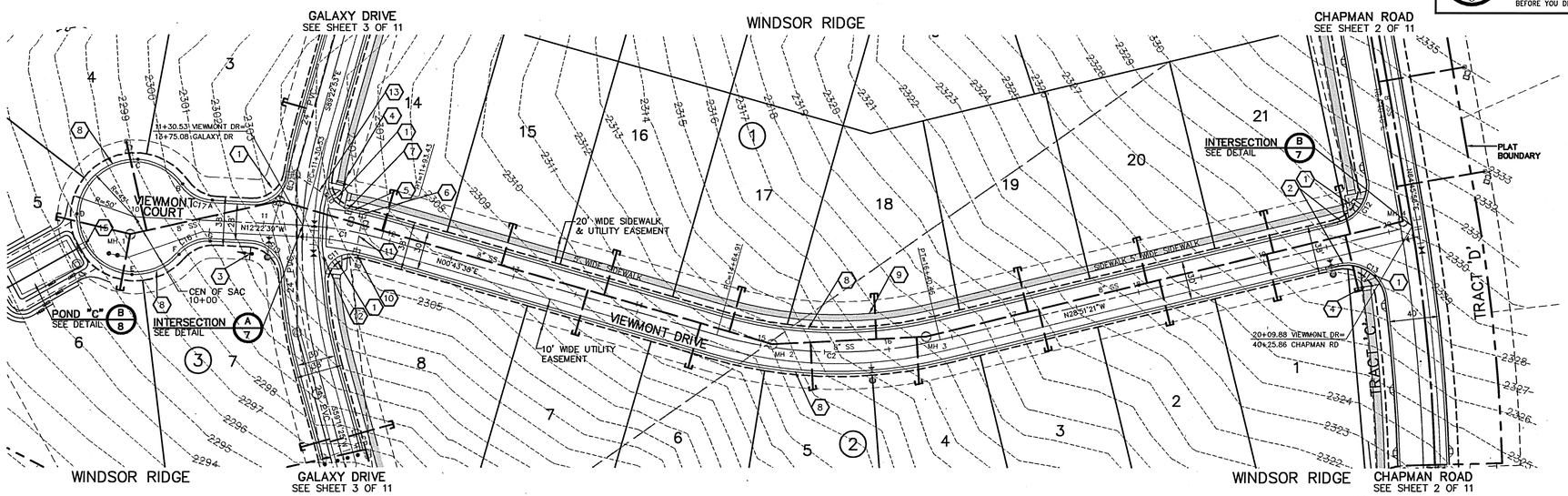
SEC. 30, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON





CURB TRANSITION DETAIL (1)

TYPE "R" CURB TO TYPE "B" CURB
NTS



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Fax: (509) 458-6844

CONSTRUCTION NOTES

1. INSTALL WHEELCHAIR RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN 'B'.
2. CURB TRANSITION PER DETAIL 1, THIS SHEET.
3. ~~INSTALL STOP SIGN (R1-1) PER MUTCD AND SPOKANE COUNTY STANDARDS AND SPECIFICATIONS. COORDINATE WITH SPOKANE COUNTY ON EXACT SIGN LOCATION.~~ (3) DELETED PER SPOKANE COUNTY TRAFFIC DEPT.
4. INSTALL STREET & STOP SIGN PER MUTCD (R1-1) AND SPOKANE COUNTY STANDARDS (A-16) AND SPECIFICATIONS. COORDINATE WITH SPOKANE COUNTY ON EXACT SIGN LOCATION.
5. PIPE #15, SEE PROFILE BELOW.
6. INLET #4B-INSTALL TYPE 2 INLET WITH GRATE "A" PER WSDOT STANDARD PLAN B-4c, STA 11+75, 13.5' LT, SEE INLET APRON DETAIL (H/7)
7. INLET #4-INSTALL SPOKANE COUNTY GRATE INLET, TYPE 1 WITH TYPE 1 GRATE PER COUNTY STANDARD PLAN B-4c, STA 11+65, 13.5' LT, SEE INLET APRON DETAIL (H/7)
8. CONSTRUCT TYPE "R" CURB PER SPOKANE COUNTY STANDARD PLAN A-3
9. CONSTRUCT SIDEWALK PER DETAIL "E", SHEET 7.
10. INLET #4A-INSTALL TYPE "2" INLET WITH GRATE "A" PER WSDOT STANDARD PLAN B-4c, STA 11+77, 13.5' RT, SEE INLET APRON DETAIL (H/7)
11. PIPE #20, SEE PROFILE BELOW.
12. CROSS GUTTER TYPE "1" PER SPOKANE COUNTY STANDARD PLAN B-18
13. PIPE #14, SEE PROFILE BELOW.
14. ALL ELEVATIONS UPSTATION OF THE CURB TRANSITION WILL BE 0.17' HIGHER THAN SHOWN ON PROFILE.
15. INSTALL 3' CURB INLET, TYPE 1 AT STA 1+64 PER SPOKANE COUNTY STANDARD DRAWING B-8.

CURVE INFORMATION

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	275.00'	62.90'	31.59'	62.76'	13°06'17"
C2	340.00'	175.55'	89.78'	173.61'	29°34'59"
*C10	20.00'	33.59'	22.30'	29.78'	96°13'55"
*C11	20.00'	37.34'	27.02'	32.15'	106°58'51"
**C12	30.00'	45.23'	28.16'	41.06'	86°22'43"
**C13	30.00'	50.42'	33.49'	44.69'	96°17'46"
**C14	25.00'	36.59'	22.45'	33.41'	83°50'58"
*C15	25.00	36.59	22.45'	33.41'	83°50'58"
*C16	30.00'	27.32'	14.69'	26.38'	52°10'08"
*C17	30.00'	27.32'	14.69'	26.38'	52°10'08"

* RADIUS MEASURED TO FLOWLINE OF TYPE "R" CURB.
** RADIUS MEASURED TO FLOWLINE OF TYPE "B" CURB.

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

COUNTY DATUM

PROJECT T.B.M. – P.K. NAIL IN ROCK OUTCROPPING ELEV=2369.64 (SEE COVER SHEET FOR LOCATION)

DEVELOPER'S APPROVAL — DATE

RECORD DRAWING

(3) 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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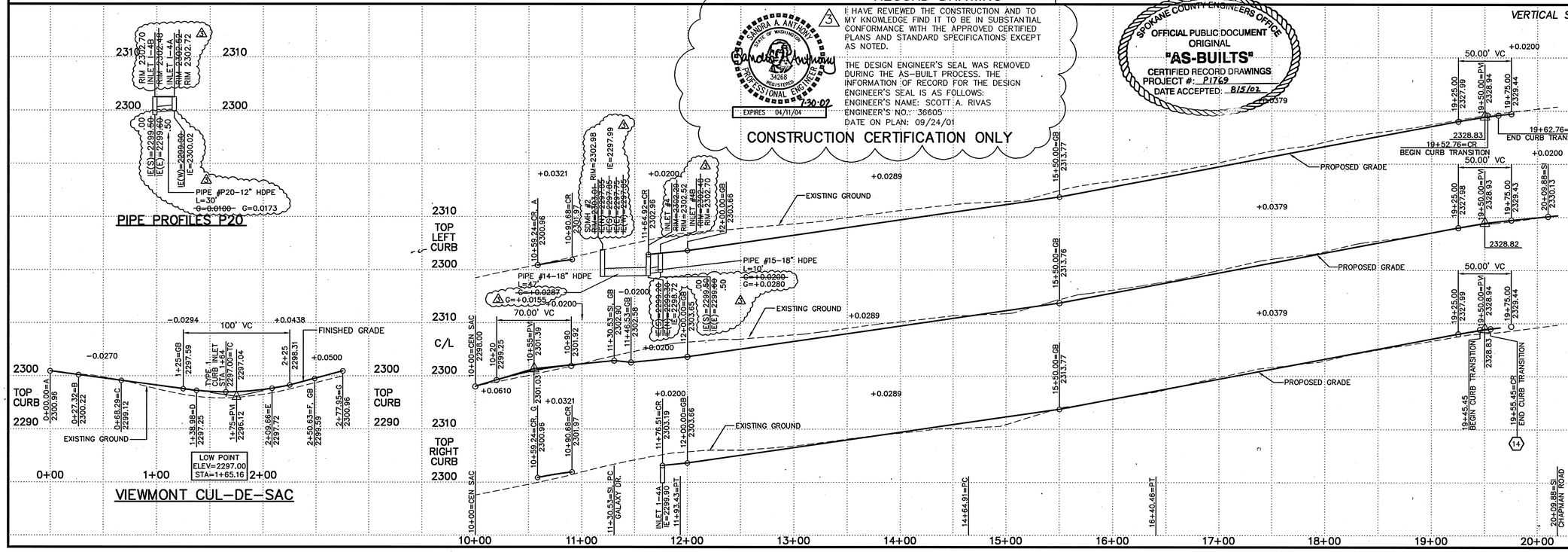
ENGINEER'S NAME: SCOTT A. RIVAS
ENGINEER'S NO.: 36605
DATE ON PLAN: 09/24/01

SANDRA A. ANTHONY, STATE OF WASHINGTON, 34268, REGISTERED PROFESSIONAL ENGINEER
Sandra A. Anthony 1-30-02
EXPIRES 04/11/04

CONSTRUCTION CERTIFICATION ONLY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769
DATE ACCEPTED: 8/5/02

VERTICAL SCALE: 1"=10'



Date	Description
05/16/01	CITY SUBMITTAL
08/24/01	COUNTY RESUBMITTAL
09/24/01	MYLARS
07/22/02	RECORD DRAWING BY T.E.I. (3)

Project Number: S98320
CLC Job Number: XX-XXX
Drawn By: EMT/JCR
Designed By: EMT/JCR
Checked By: SAR

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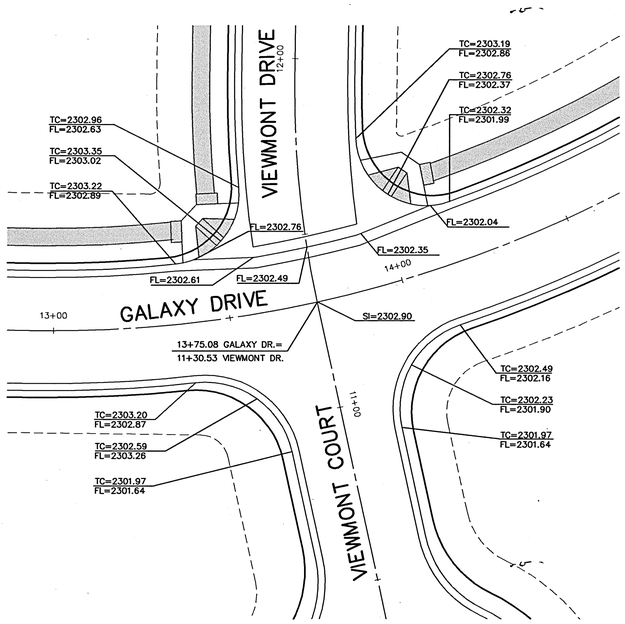
STREET CONSTRUCTION PLANS
WINDSOR RIDGE
VIEWMONT DRIVE AND VIEWMONT COURT
STA. 10+00.00 TO STA. 20+09.88
SPOKANE COUNTY, WASHINGTON

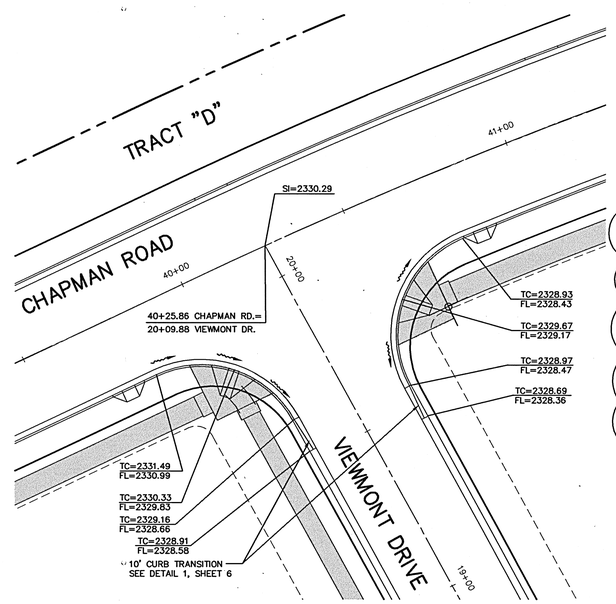
Sheet Title: STORM DRAIN PLAN AND PROFILE

P1769 Eng As Built



INTERSECTION DETAIL–GALAXY DR. & VIEWMONT CT. (A)

SCALE: 1"=20'



INTERSECTION DETAIL–CHAPMAN RD. & VIEWMONT DR. (B)

SCALE: 1"=20'

SANDRA A. ANTHONY
STATE OF WASHINGTON
34268
REGISTERED PROFESSIONAL ENGINEER
3-30-02
EXPIRES 04/11/04

RECORD DRAWING

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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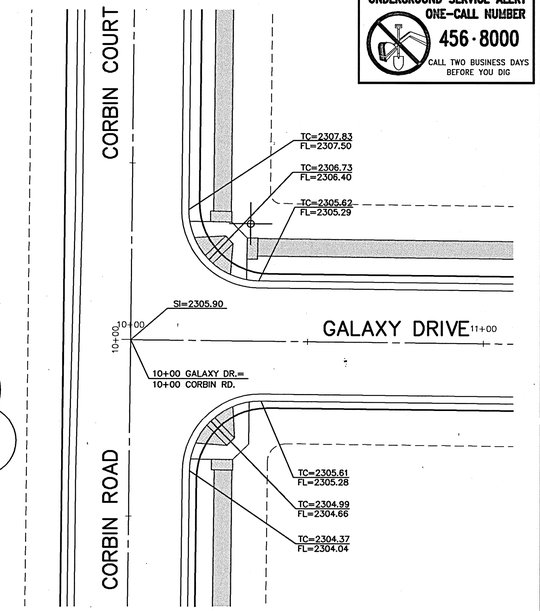
ENGINEER'S NAME: SCOTT A. RIVAS
ENGINEER'S NO.: 36605
DATE ON PLAN: 09/24/01

CONSTRUCTION CERTIFICATION ONLY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769
DATE ACCEPTED: 8/5/02



INTERSECTION DETAIL–CORBIN RD./CT. & GALAXY DR. (C)

SCALE: 1"=20'

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707 W. 7th Avenue, Suite 200
Spokane, WA 99204
Phone: (509) 458-6840
Fax: (509) 458-6844

Date	Description
05/15/01	COUNTY SUBMITTAL
08/01/01	COUNTY RE-SUBMITTAL
09/24/01	MYLARS
07/22/02	RECORD DRAWING BY T.E.I.

Project Number: S980320
CLC Job Number: 98-320
Drawn By: JCR
Designed By: SAR/JCR
Checked By: SAR

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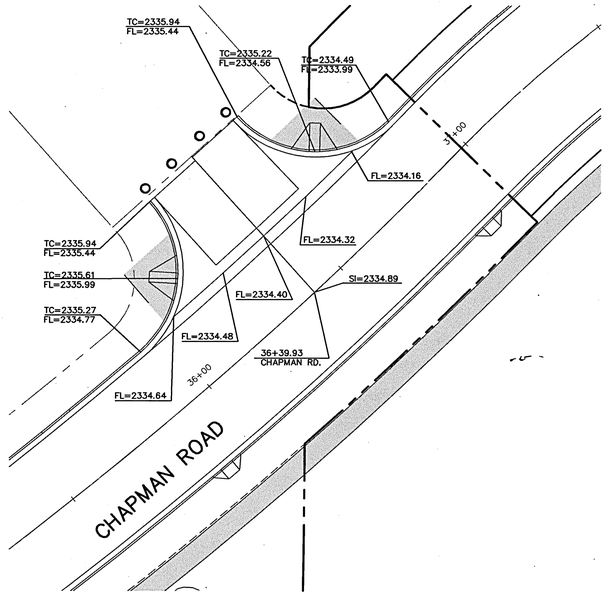
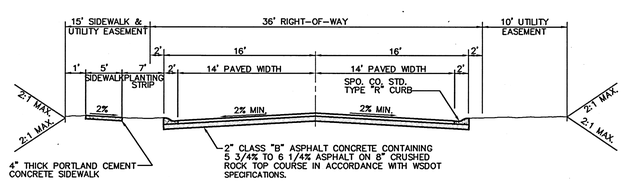


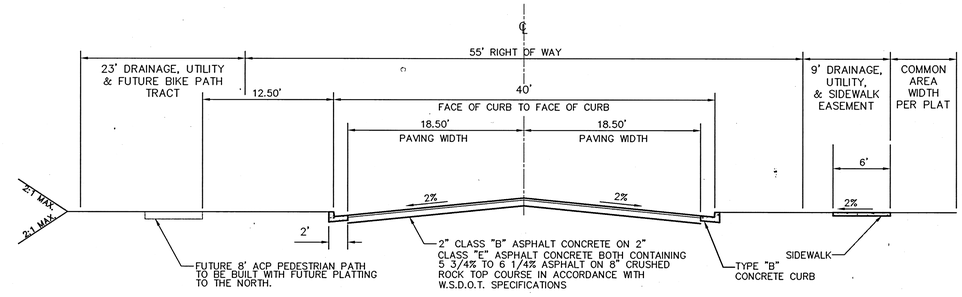
INTERSECTION DETAIL–CHAPMAN RD. & STUB RD. (D)

SCALE: 1"=20'



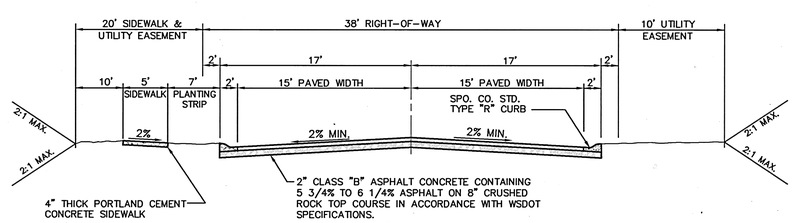
TYPICAL ROAD SECTION – CORBIN CT, VIEWMONT CT. (E)

NOT TO SCALE



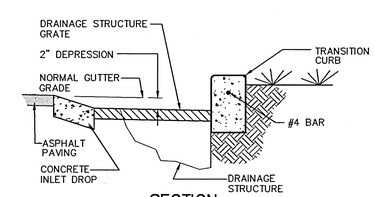
TYPICAL ROAD SECTION – CHAPMAN ROAD (G)

NOT TO SCALE



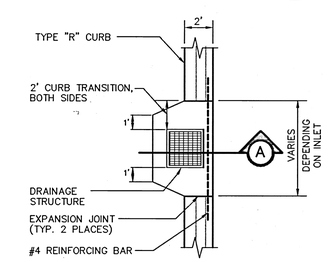
TYPICAL ROAD SECTION – VIEWMONT DR, GALAXY DR, CORBIN RD (F)

NOT TO SCALE



SECTION

NOTE: GRATE SHALL BE PLACED WITH LONG SIDE PERPENDICULAR TO ROAD CENTERLINE.



PLAN

INLET APRON DETAIL (H)

NOT TO SCALE

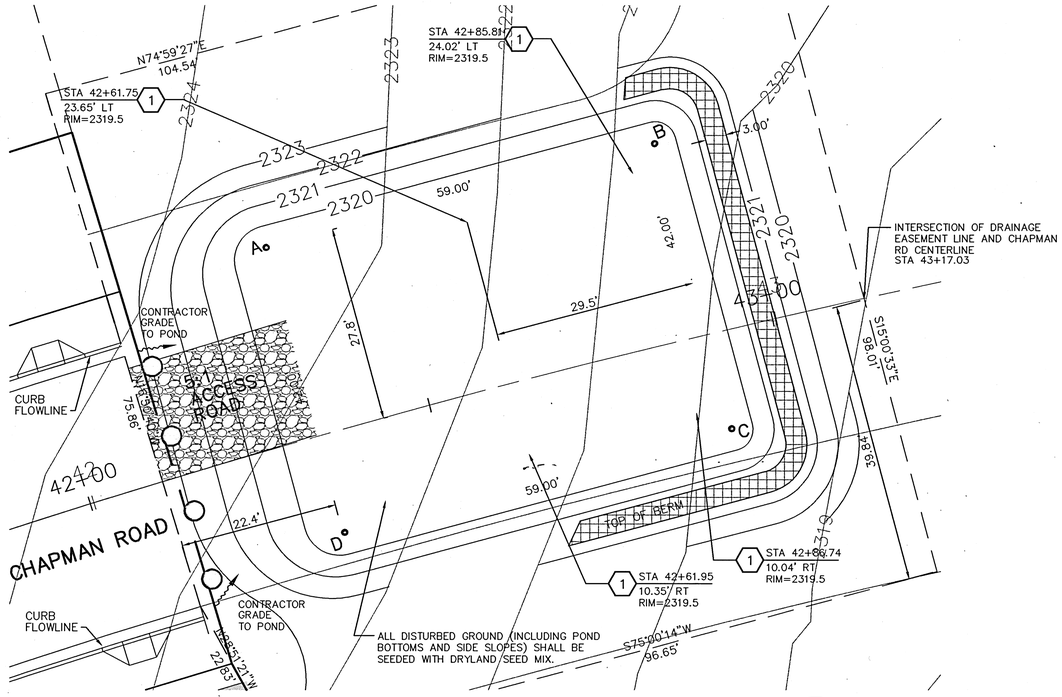
⊕ COUNTY DATUM
PROJECT T.B.M. – P.K.
NAIL IN ROCK OUTCROPPING
ELEV=2369.64 (SEE COVER SHEET FOR LOCATION)

DEVELOPER'S APPROVAL _____ DATE _____

STREET CONSTRUCTION PLANS
WINDSOR RIDGE
STREET INTERSECTION DETAILS
SPOKANE COUNTY, WASHINGTON

Sheet Title
ROAD AND INTERSECTION DETAILS

P1769 Eng As Built



TEMPORARY POND B

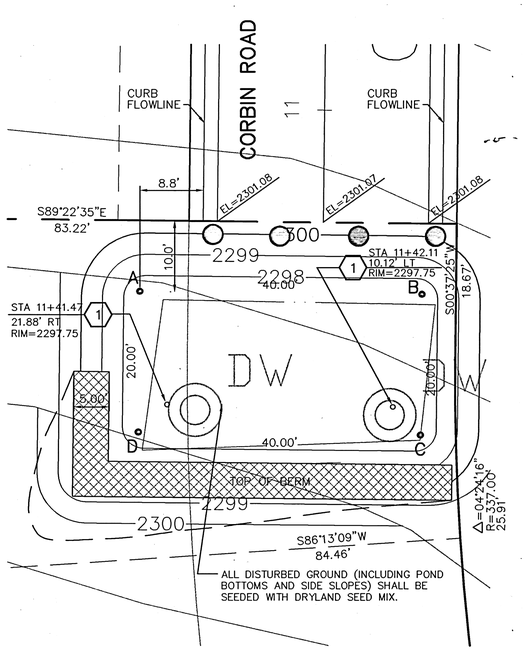
SCALE 1"–10'

A

TEMPORARY POND "B"
POND BOTTOM ELEV= 2319.0
POND BOTTOM AREA = 2478.0 S.F.
PERIMETER= 202 L.F.
TOP OF BERM= 2321.70
REQUIRED '208' VOLUME = 1,159 C.F.
'208' VOLUME PROVIDED = 1,239 C.F.

POND BOTTOM LOCATION TABLE
(CHAPMAN ROAD STATION & OFFSET)

POINT	STATION	OFFSET
A	42+33.80	27.77' LT
B	42+89.63	28.13' LT
C	42+90.78	13.86' RT
D	42+33.17	14.22' RT



TEMPORARY POND D

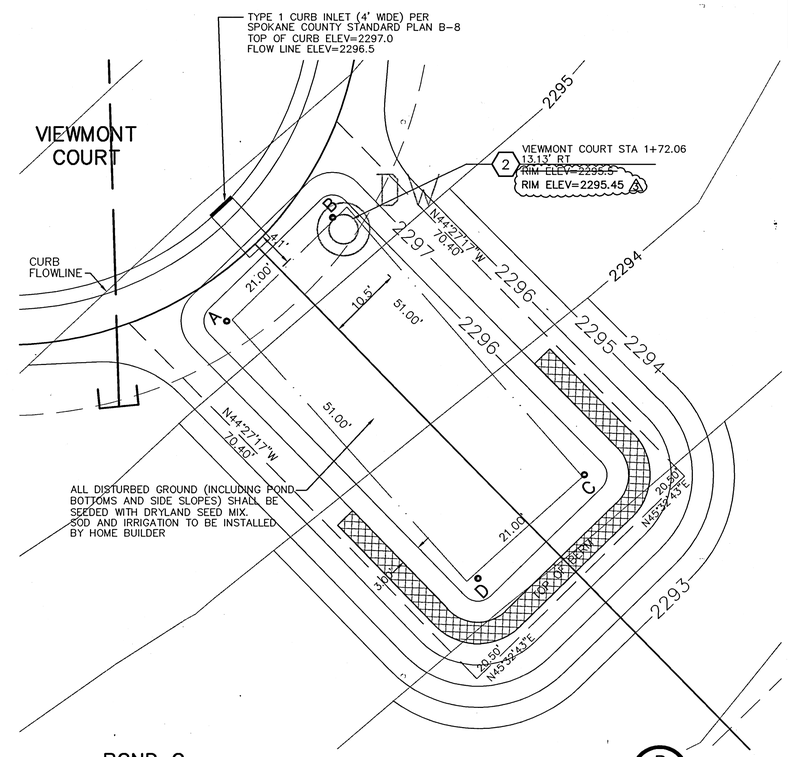
SCALE 1"–10'

C

TEMPORARY POND "D"
POND BOTTOM ELEV = 2297.25
POND BOTTOM AREA = 800 S.F.
PERIMETER = 120 L.F.
TOP OF BERM = 2298.75
REQUIRED '208' VOLUME = 221 C.F.
'208' VOLUME PROVIDED = 447 C.F.

POND BOTTOM LOCATION TABLE
(SOUTH CORBIN ROAD STATION & OFFSET)

POINT	STATION	OFFSET
A	11+25.89	25.81' RT
B	11+25.89	14.19' LT
C	11+45.12	25.98' RT
D	11+46.36	14.01' LT



POND C

SCALE 1"–10'

B

POND "C"
POND BOTTOM ELEV = 2295.0
POND BOTTOM AREA = 1071 S.F.
PERIMETER = 144 L.F.
TOP OF BERM = 2297.2
REQUIRED '208' VOLUME= 531 C.F.
'208' VOLUME PROVIDED = 536 C.F.

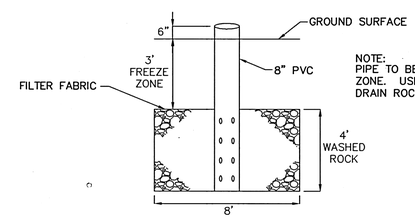
POND BOTTOM LOCATION TABLE
(VIEWMONT COURT STATION & OFFSET)

POINT	STATION	OFFSET
A	1+55.68	10.99' RT.
B	1+72.66	10.99' RT
C	1+68.61	61.52' RT
D	1+59.73	61.52' RT

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
OF
"AS-BUILT"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769
DATE ACCEPTED: 8/5/02

CONSTRUCTION NOTES

1. TEMPORARY DRYWELL, TYPICAL. SEE DETAIL D, THIS SHEET.
2. TYPE B DRYWELL, PER SPOKANE COUNTY STANDARD DRAWING B-1A WITH TYPE 4 METAL FRAME AND GRATE, PER SPOKANE COUNTY STANDARD DRAWING B-15.



NOTE:
PIPE TO BE PERFORATED BELOW FREEZE ZONE. USE MINIMUM 1" TO 3" WASHED DRAIN ROCK, WRAPPED WITH FILTER FABRIC.

TEMPORARY DRYWELL

NOT TO SCALE

D

3 RECORD DRAWING

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.

THE DESIGN ENGINEER'S SEAL WAS REMOVED DURING THE AS-BUILT PROCESS. THE INFORMATION OF RECORD FOR THE DESIGN ENGINEER'S SEAL IS AS FOLLOWS:
ENGINEER'S NAME: SCOTT A. RIVAS
ENGINEER'S NO.: 36605
DATE ON PLAN: 09/24/01

SANDRA A. ANTHONY
STATE OF WASHINGTON
34268
REGISTERED
PROFESSIONAL ENGINEER
7-30-02
EXPIRES 04/11/04

CONSTRUCTION CERTIFICATION ONLY

DEVELOPER'S APPROVAL

DATE

COUNTY DATUM
PROJECT T.B.M. – P.K. NAIL IN ROCK OUTCROPPING ELEV=2369.64 (SEE COVER SHEET FOR LOCATION)

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

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

Date	Description
05/16/01	COUNTY SUBMITTAL
08/07/01	COUNTY RESUBMITTAL
09/24/01	MYLARS
07/22/02	RECORD DRAWING BY T.E.I. 3

Project Number: S980320
CLC Job Number: 98-320
Drawn By: JCR
Designed By: SAR/JCR
Checked By: SAR

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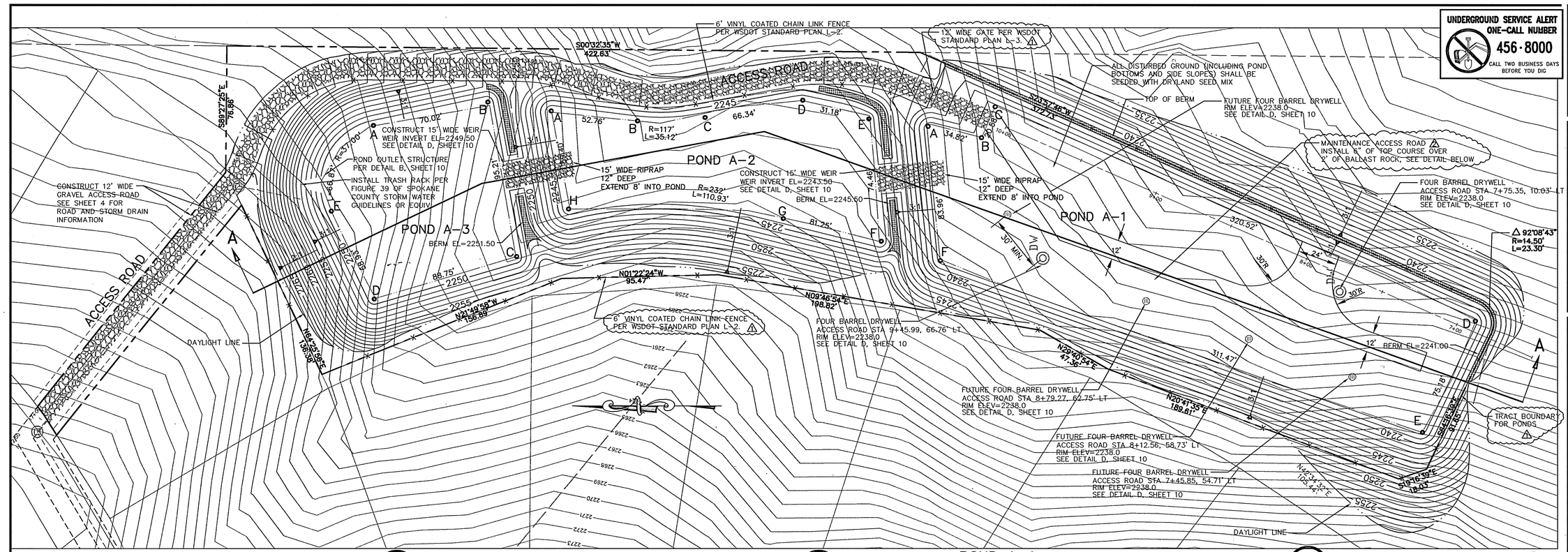
STREET CONSTRUCTION PLANS
WINDSOR RIDGE
POND DETAILS
SPOKANE COUNTY, WASHINGTON

Sheet Title
POND DETAILS

8 OF 10
Sheet Number

P1769 As Builts



POND A-3

SCALE: 1"-30'

POND "A-3"

POND BOTTOM ELEV= 2249.00
POND BOTTOM AREA = 9996.0 S.F.
PERIMETER= 384 L.F.
TOP OF BERM= 2251.50
REQUIRED '208' VOLUME = 3976 C.F.
'208' PROVIDED = 5144 C.F.

POND BOTTOM LOCATION TABLE (ACCESS ROAD STATION & OFFSET)

POINT	STATION	OFFSET
A	13+93.88	35.56' LT
B	13+25.53	20.32' LT
C	12+78.81	114.35' LT
D	15+15.75	113.54' LT
E	15+02.73	61.44' LT

A

POND A-2

SCALE: 1"-30'

POND "A-2"

POND BOTTOM ELEV= 2243.00
POND BOTTOM AREA = 11,611.0 S.F.
PERIMETER= 528 L.F.
TOP OF BERM= 2245.50
REQUIRED '208' VOLUME = 4641 C.F.
'208' PROVIDED = 6005 C.F.

POND BOTTOM LOCATION TABLE (ACCESS ROAD STATION & OFFSET)

POINT	STATION	OFFSET
A	12+81.17	22.98' LT
B	12+29.64	17.00' LT
C	11+99.62	17.00' LT
D	11+32.34	17.00' LT
E	10+83.95	26.59' LT
F	10+41.05	94.49' LT
G	11+76.70	77.49' LT
H	12+55.36	79.15' LT

B

POND A-1

SCALE: 1"-30'

POND "A-1"

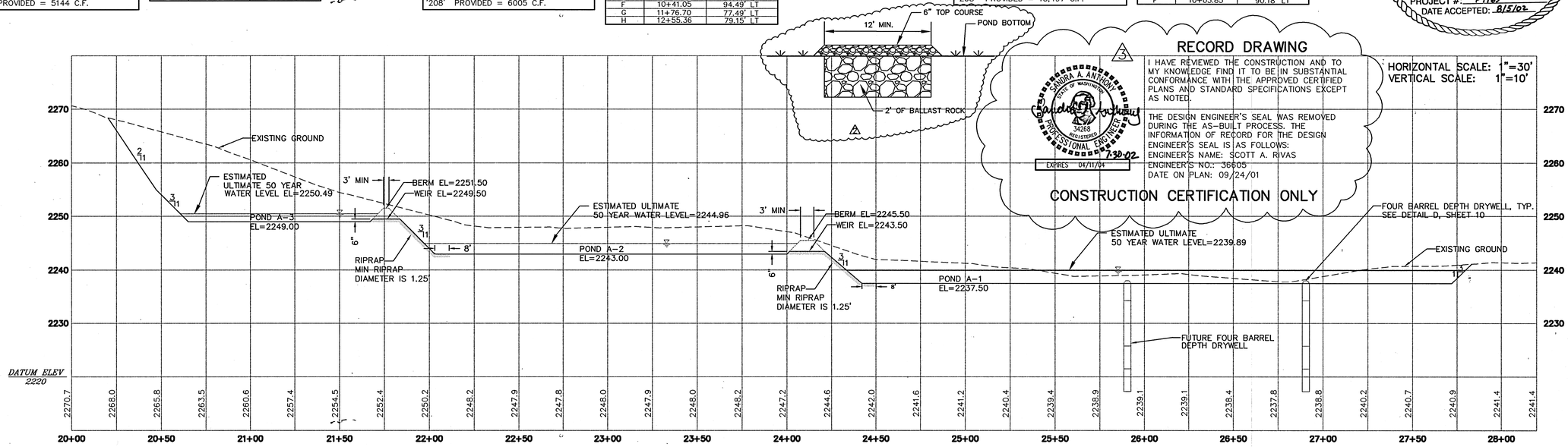
POND BOTTOM ELEV= 2237.50
POND BOTTOM AREA = 28,985 S.F.
PERIMETER= 846.50 L.F.
TOP OF BERM= 2241.00
REQUIRED '208' VOLUME = 10,431 C.F.
'208' PROVIDED = 13,497 C.F.

POND BOTTOM LOCATION TABLE (ACCESS ROAD STATION & OFFSET)

POINT	STATION	OFFSET
A	10+44.44	17.38' LT
B	10+10.84	11.50' LT
C	10+10.84	9.09' RT
D	6+90.57	6.50' RT
E	6+90.57	68.72' RT
F	10+03.85	90.18' LT

C

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769
DATE ACCEPTED: 8/5/02



SECTION A-A

NOTE: SECTION STATIONING DOES NOT MATCH ACCESS ROAD STATIONING SHOWN IN PLAN VIEW ABOVE.

RECORD DRAWING

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SANDRA A. ANTHONY, STATE OF WASHINGTON, 34268, REGISTERED PROFESSIONAL ENGINEER
7-30-02
EXPIRES 04/11/04

CONSTRUCTION CERTIFICATION ONLY

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'

DEVELOPER'S APPROVAL _____ DATE _____

COUNTY DATUM
PROJECT T.B.M. - P.K. NAIL IN ROCK OUTCROPPING ELEV=2369.64 (SEE COVER SHEET FOR LOCATION)

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Date	Description
05/16/01	COUNTY SUBMITTAL
08/01/01	COUNTY RESUBMITTAL
09/24/01	MYLARS
10/15/01	REVISED POND TRACT, ADD FENCE Δ3
05/01/02	ADD ACCESS ROAD IN POND PER CO. Δ4
07/22/02	RECORD DRAWING BY T.E.I. Δ3

Project Number:	S980320
CLC Job Number:	98-320
Drawn By:	JCR
Designed By:	SAR
Checked By:	SAR

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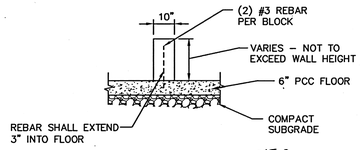
STREET CONSTRUCTION PLANS
WINDSOR RIDGE
POND DETAILS
SPOKANE COUNTY, WASHINGTON

Sheet Title: POND DETAILS

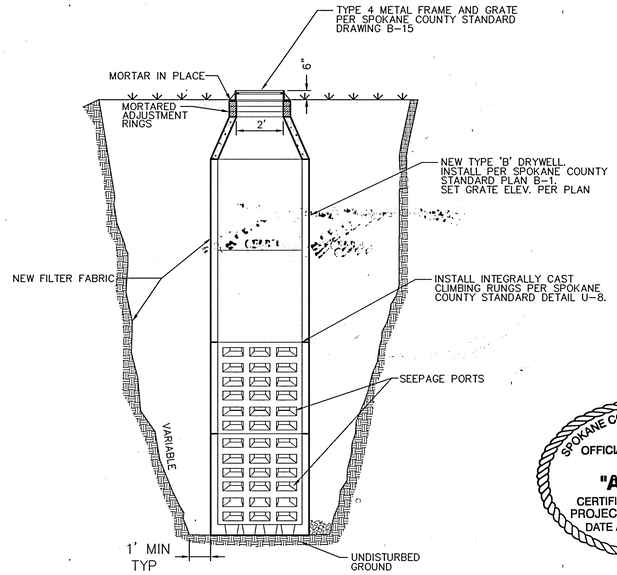
P1769 Eng As Built



PCC BLOCK DETAIL

NOT TO SCALE

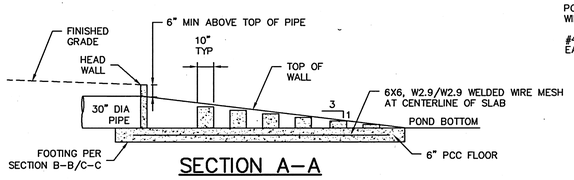
A
–



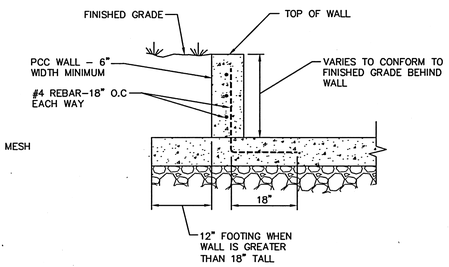
FOUR BARREL DRYWELL

SCALE 1"–10'

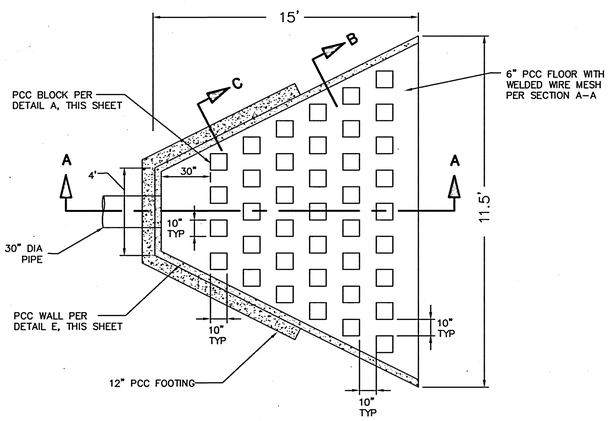
C
–



SECTION A–A



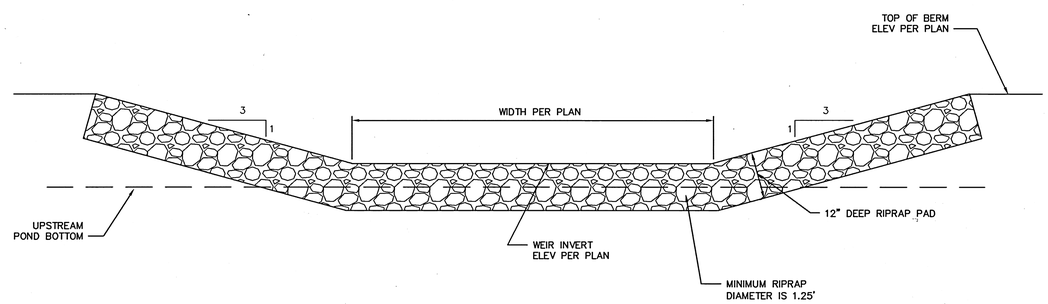
SECTION B–B/C–C



ENERGY DISSIPATER OUTLET PLAN DETAIL

NOT TO SCALE

B
–



WEIR SECTION

NOT TO SCALE

D
–

3

RECORD DRAWING

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P 1769 Eng As Builts

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PROJECT #: P1769
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STREET CONSTRUCTION PLANS
WINDSOR RIDGE
POND DETAILS
SPOKANE COUNTY, WASHINGTON

Sheet Title
DRAINAGE DETAILS

10 OF 10
Sheet Number