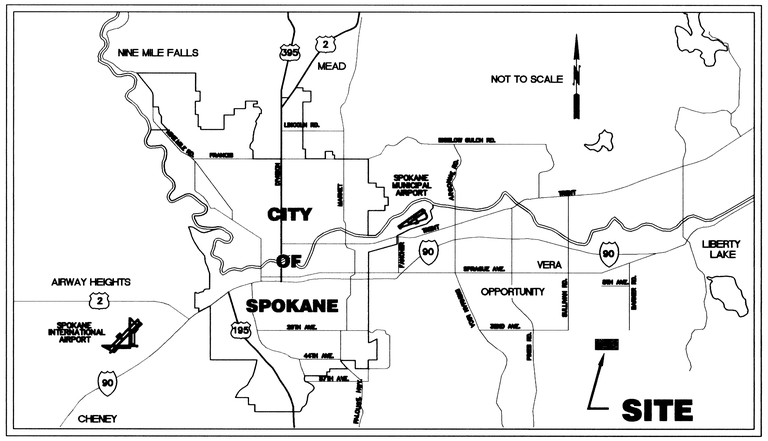
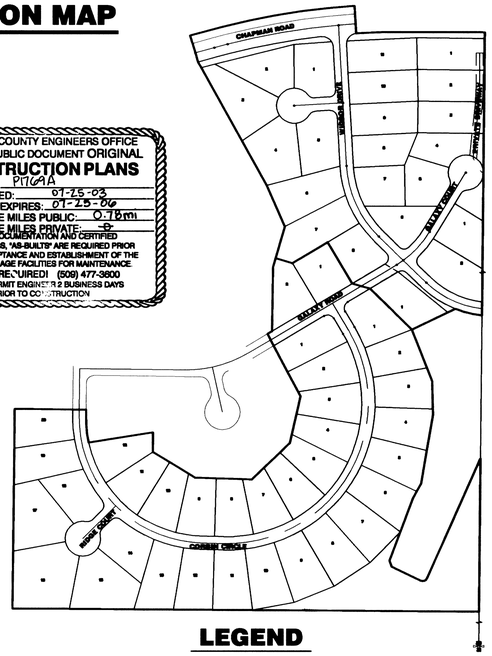
ROAD AND DRAINAGE PLANS FOR
WINDSOR RIDGE FIRST & SECOND ADDITIONS

SPOKANE, WASHINGTON

NW 1/4 AND SW 1/4 OF S.30, T.25 N., R. 45 EAST, W.M.



LOCATION MAP



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769A
DATE ACCEPTED: 07-25-03
ACCEPTANCE EXPIRES: 07-25-06
PROJECT LANE MILES PUBLIC: 0.78mi
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

SCHEDULE OF DRAWINGS

SHEET NO. DESCRIPTION

GENERAL

1 ..... COVER SHEET

ROAD

2 ..... CHAPMAN ROAD - STA. 42+12.63 TO STA. 46+74.50
3 ..... WINDSOR DRIVE - STA. 60+06.96 TO STA. 70+50.41
4 ..... GALAXY DRIVE - STA. 15+59± TO STA. 19+97.54
GALAXY COURT - STA. 19+97.54 TO STA. 23+05.83
5 ..... PRIVATE DRIVEWAY - STA. 0+00 TO STA. 3+00
WINDSOR COURT - STA. 10+00 TO STA. 11+38.71
6 ..... CORBIN CIRCLE - STA. 11+15.85 TO STA. 14+16.88
RIDGE COURT- STA. 10+00 TO STA. 11+31.70
7 ..... CORBIN CIRCLE - STA. 14+16.88 TO STA. 26+92.65

DRAINAGE

8 ..... CHAPMAN ROAD - STA. 42+20.50 TO STA. 46+13.35
9 ..... WINDSOR DRIVE - STA. 62+66.78± TO STA. 69+82.03
10 ..... GALAXY DRIVE - STA. 19+50 TO STA. 19+97.54
GALAXY COURT - STA. 19+97.54 TO STA. 23+61.64
11 ..... CORBIN CIRCLE - STA. 15+42 TO STA. 23+79.35
LINE A - STA. 0+00 TO STA. 2+09
12 ..... PRIVATE DRIVEWAY DITCH - STA. 0+02 TO STA. 3+00
RIDGE COURT - POND F4
13 ..... EROSION AND SEDIMENT CONTROL PLAN
14 ..... ROAD AND DRAINAGE DETAILS
15 ..... WINDSOR RIDGE POND DETAILS - SHEET 9 OF 10
(PREPARED BY CLC ASSOCIATES, INC.)
16 ..... WINDSOR RIDGE POND DETAILS - SHEET 10 OF 10
(PREPARED BY CLC ASSOCIATES, INC.)

NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION", 1995 AND AS AMENDED.
2. 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.
3. 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.
4. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY ENGINEER'S OFFICE.
5. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AMOCO 4545 OR APPROVED EQUIVALENT) BETWEEN THE WASHED DRAINROCK AND THE NATIVE SOILS.
6. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 509-456-8000 BEFORE YOU DIG.
7. FOR ANY CURB GRADES LESS THAN 0.8% (.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.
8. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS-GUTTER FORMS ARE AT 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.
9. THE FLOOR OF A GRASS PERCOLATION AREA (GPA) SHALL INCLUDE THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDESLOPES OF THE SWALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF 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 AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.
10. CONTRACTOR SHALL INSTALL FILTER FABRIC OVER CATCH BASIN GRATES DURING CONSTRUCTION AND PERIODICALLY CLEAN DEBRIS COLLECTED ON FABRIC. IF THE FILTER FABRIC, FOR ANY REASON, IS REMOVED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN OUT THE CATCH BASIN AND REPLACE FILTER FABRIC.
11. STREET NAME SIGNS SHALL BE INSTALLED PER SPOKANE COUNTY STANDARDS.
12. CENTERLINE MONUMENTS SHALL BE INSTALLED AT ALL INTERSECTIONS.
13. SEE SHEETS 9 THROUGH 11 FOR DRAINAGE STRUCTURES AND CONSTRUCTION.

LEGEND

EXISTING	NEW		EXISTING	NEW	
1960	2160	CONTOUR			HADICAP RAMP
		PLAT BOUNDARY		TC 2200.00	FINISH GRADE ELEVATION
		EASEMENT LINE			CURB INLET
		LOT LINE			SEWER MANHOLE
		CURB AND GUTTER			CLEAN OUT
		SIDEWALK	DW		STORM MANHOLE
SS	8"SS	SANITARY SEWER			DRYWELL
	8"W	WATER LINE	CB		CATCH BASIN
		WATER LINE PLUG			WATER VALVE
		DRAINAGE FLOW			FIRE HYDRANT
	Mon.	MONUMENT			

Developer's Approval Richard T. Bish Mgr. Date 6/30/03

The design improvements shown in this set of plans and calculations conform to the 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.

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 7/1/03
EXPIRES 03/10/05

REVISIONS

DWN: RIE DATE: 06/30/03
CK'D: CHM DATE: 06/30/03

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

SCALE: N/A

1 / 16

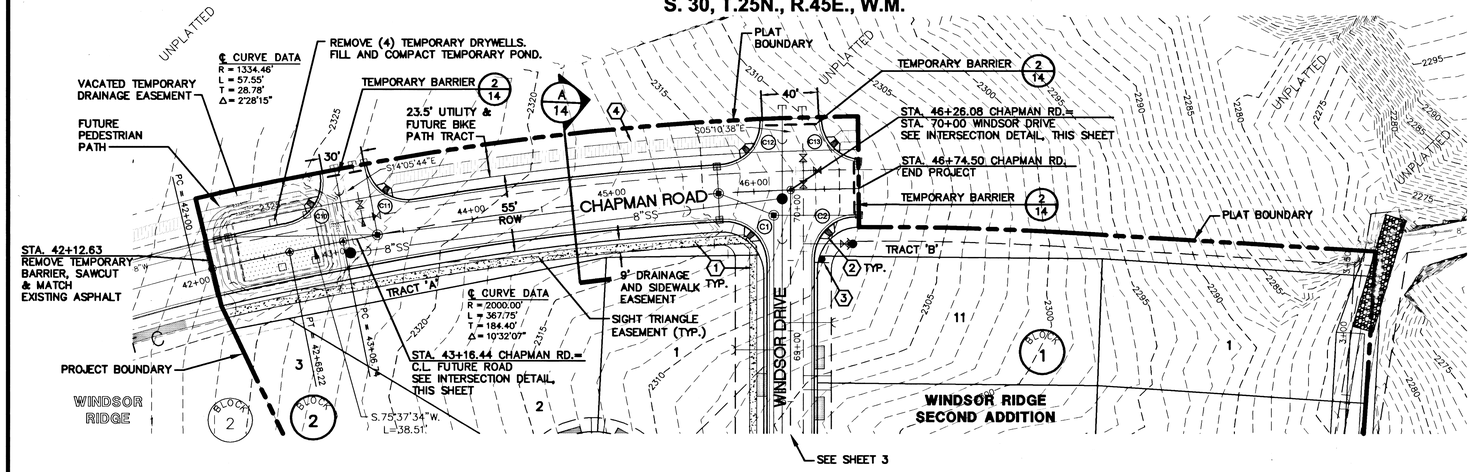
WINDSOR RIDGE
FIRST AND SECOND ADDITIONS
COVER SHEET

G02-075 COVER SHEET

P-1769A
P1769B

Eng Road & Drainage

S. 30, T.25N., R.45E., W.M.



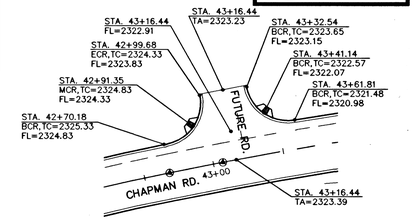
CONTOUR INTERVAL = 1 FOOT

CURVE TABLE AT FACE OF CURB

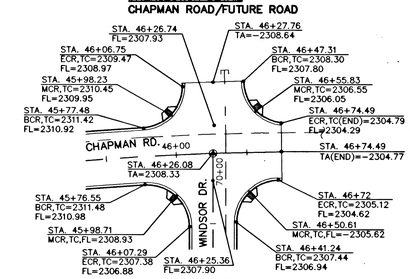
CURVE	RADIUS	LENGTH	DELTA
C1	30'	48.91'	93°24'29"
C2	30'	46.77'	89°19'35"
C10	30'	47.12'	90°00'00"
C11	30'	46.66'	89°07'10"
C12	30'	46.65'	89°05'40"
C13	30'	43.81'	83°40'08"

TBM
PROJECT T.B.M. – PK NAIL IN ROCK OUTCROPPING
ELEVATION = 2369.64
= 2373.44 (NAVD88)

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



INTERSECTION DETAIL
CHAPMAN ROAD/FUTURE ROAD



INTERSECTION DETAIL
CHAPMAN ROAD/WINDSOR DR.

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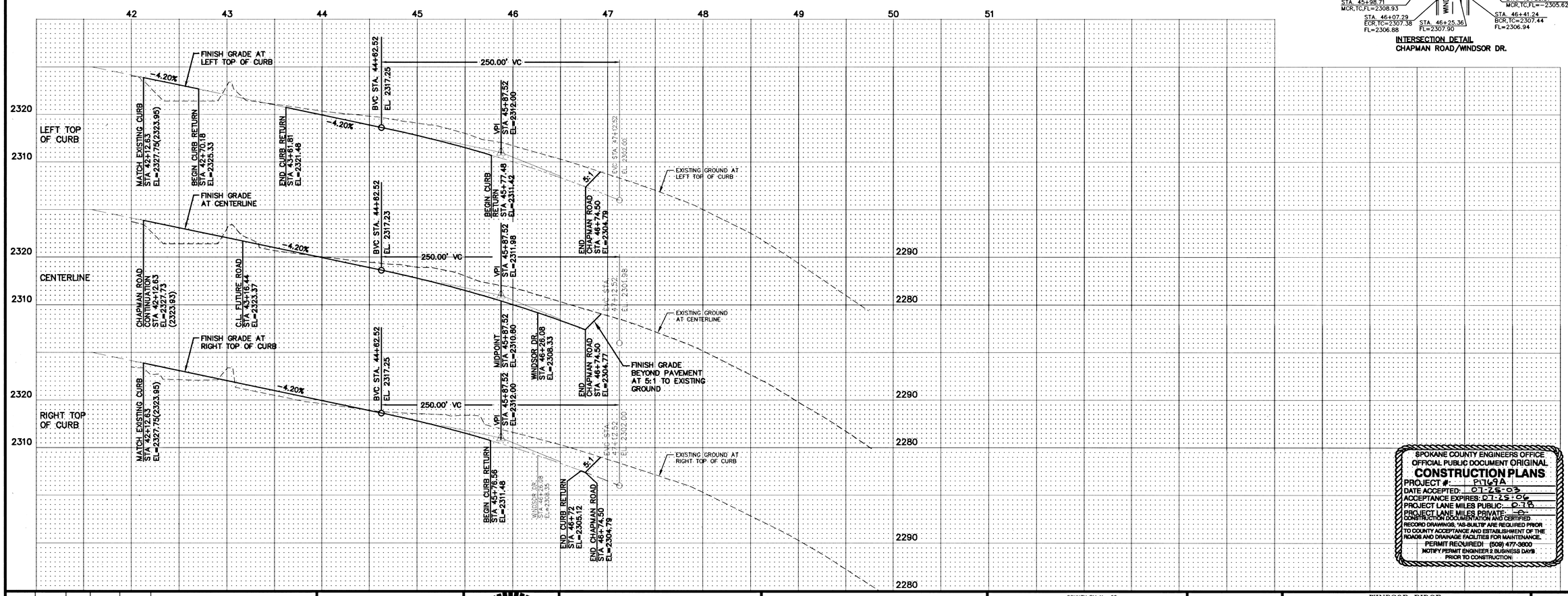
2. WHEEL CHAIR RAMP PER STANDARD SHEET A-5, DESIGN 'B'.
3. SIGN POST W/STREET SIGN PER STANDARD SHEET A-16 AND TYPE R1-1 STOP SIGN PER M.U.T.C.D.
4. APPROXIMATE LOCATION OF FUTURE PEDESTRIAN PATH TO BE BUILT WITH FUTURE PLATTING TO THE NORTH.



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PERMIT REQUIRED: (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

No.	Date	By	Ckd.	Appr.	Revisions

Drawn: RIE,RDR — Date 06/30/03
Designed: RIE — 06/30/03
Checked: — 06/30/03

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 7/1/03 — EXPIRES 03/10/05

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

Developer's Approval: Richard A. Dahm, Mgr — Date: 6/30/03

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N.____ E.____
CADD FILE NAME: R02-075 CHAPMAN RD
50 25 0 50 100 SCALE FEET

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

WINDSOR RIDGE
FIRST AND SECOND ADDITIONS

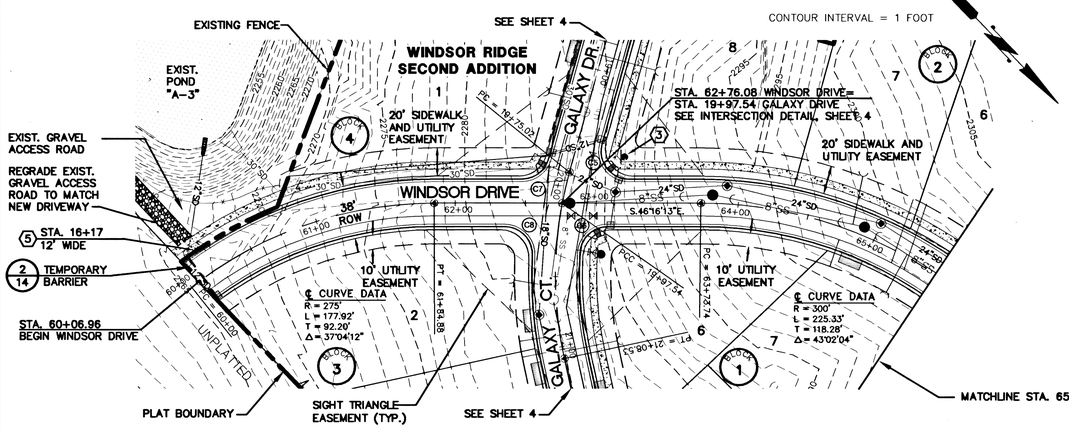
CHAPMAN ROAD

STA. 42+12.63 TO STA. 46+74.50

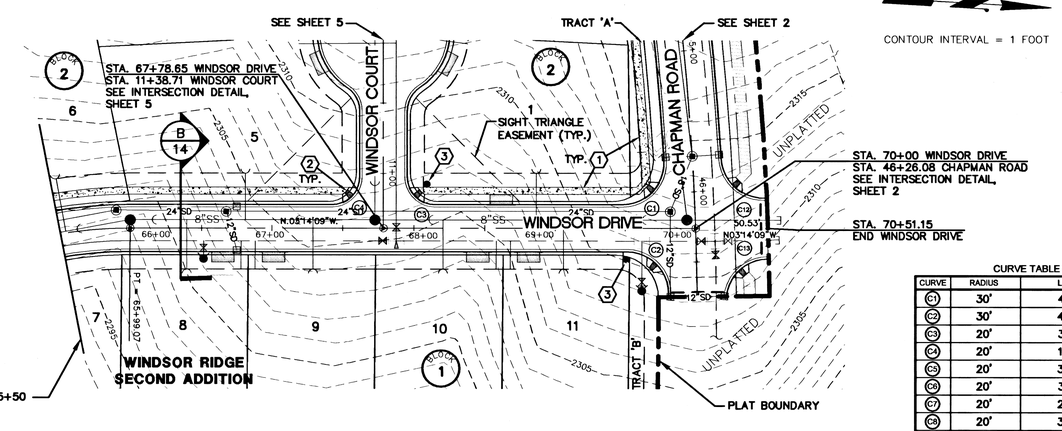
ROAD
SHEET 2 / 16

P-1769A & P1769B — Eng Road & Drainage

S. 30, T.25N., R.45E., W.M.



S. 30, T.25N., R.45E., W.M.



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

TBM
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ELEVATION = 2369.64
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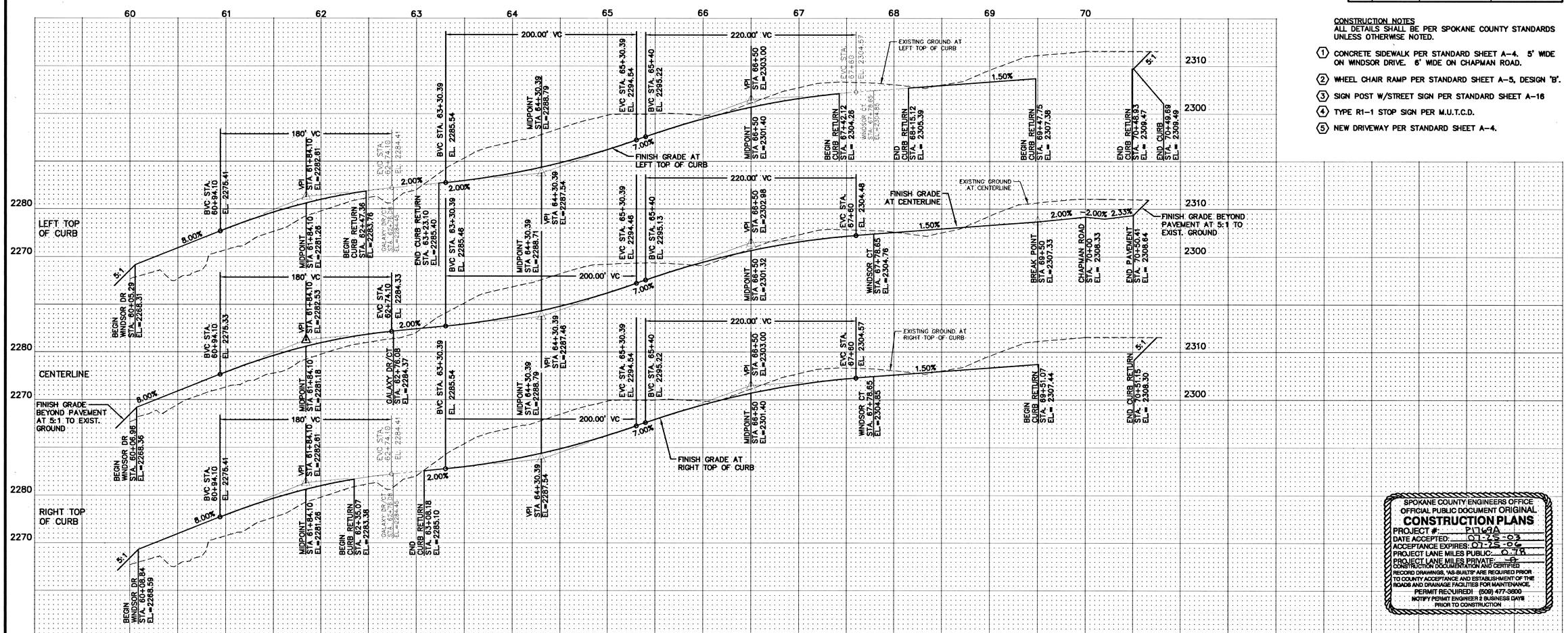

CONSTRUCTION NOTES
ALL DETAILS SHALL BE PER SPOKANE COUNTY STANDARDS UNLESS OTHERWISE NOTED.

1. CONCRETE SIDEWALK PER STANDARD SHEET A-4. 5' WIDE ON WINDSOR DRIVE. 6' WIDE ON CHAPMAN ROAD.
2. WHEEL CHAIR RAMP PER STANDARD SHEET A-5, DESIGN 'B'.
3. SIGN POST W/STREET SIGN PER STANDARD SHEET A-16
4. TYPE R1-1 STOP SIGN PER M.U.T.C.D.
5. NEW DRIVEWAY PER STANDARD SHEET A-4.

SPOKANE COUNTY ENGINEERS OFFICE
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PROJECT #: P1769A
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ACCEPTANCE EXPIRES: 01-25-04
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PROJECT LANE MILES PRIVATE: 0
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Drawn: RIE,RDR — Date 06/30/03
Designed: RIE — 06/30/03
Checked: — 06/30/03

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Spokane Wa. 99260
509-477-3600

Developer's Approval: Richard D. Bale Mgr. Date: 6/30/03

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N._____ E._____
CADD FILE NAME: R02-075 WINDSOR DR
50 25 0 50 100 — SCALE — FEET

SCALE
HORIZ. 1" = 50'
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WINDSOR RIDGE
FIRST AND SECOND ADDITIONS

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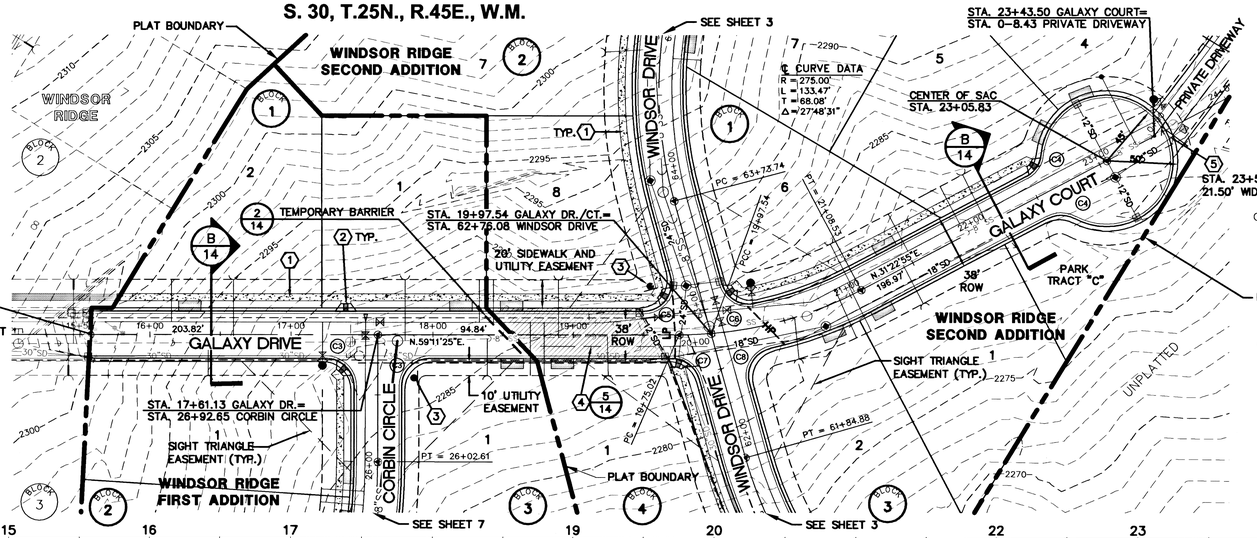
ROAD
SHEET 3 / 16

P-1769A
P1769B
Eng. Road Plans

S. 30, T.25N., R.45E., W.M.



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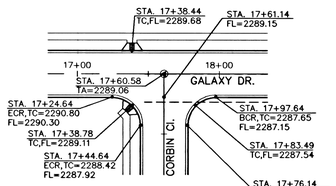

INTERSECTION DETAIL
GALAXY DR./CORBIN CIRCLE

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

TBM
PROJECT T.B.M. – PK NAIL IN ROCK OUTCROPPING
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CURVE TABLE AT FACE OF CURB

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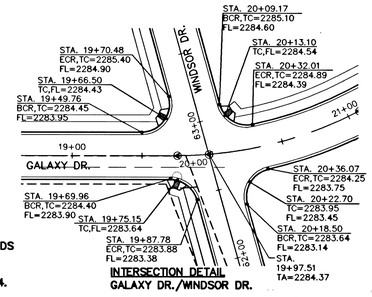

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GALAXY DR./WINDSOR DR.

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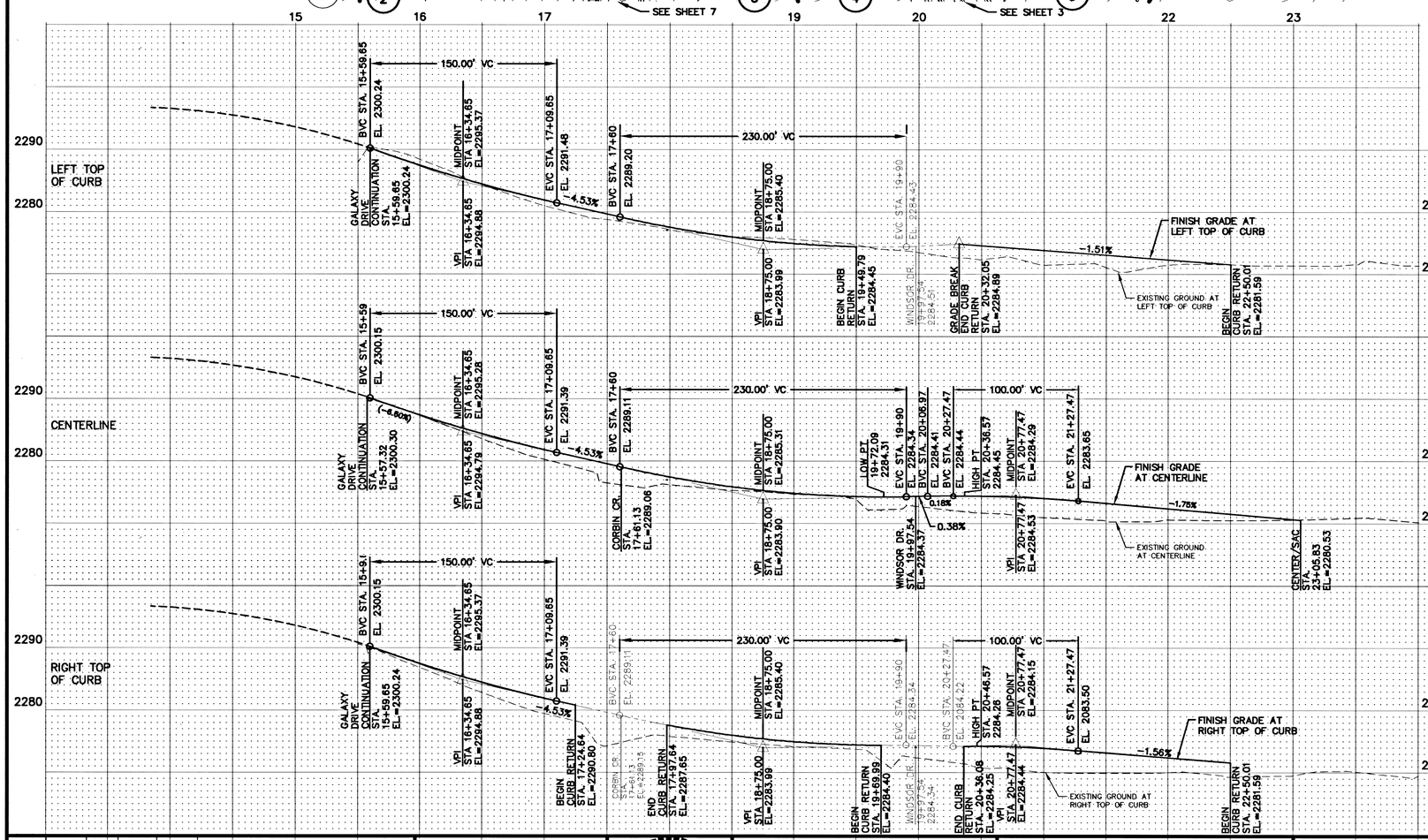
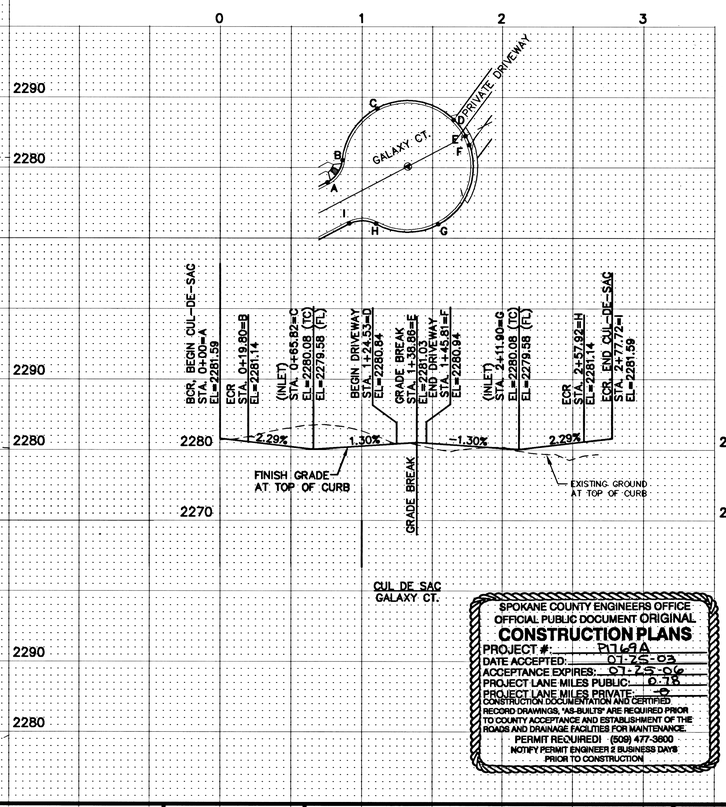
4. TEMPORARY EASEMENT FOR EXTENDED CONSTRUCTION.
5. NEW DRIVEWAY PER STANDARD SHEET A-4.





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Designed: RIE 06/30/03
Checked: 06/30/03

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509-477-3600

Developer's Approval: Richard O'Toole Mgr. Date: 6/30/3

VERTICAL DATUM: COUNTY BM No. 82 EL. 2373.44 (NAVD88)
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CADD FILE NAME: R02-075 GALAXY DR-CT
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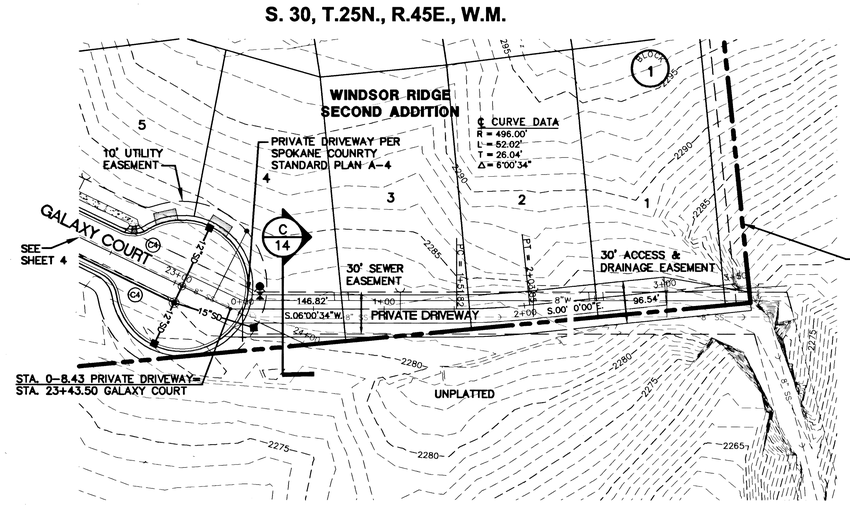
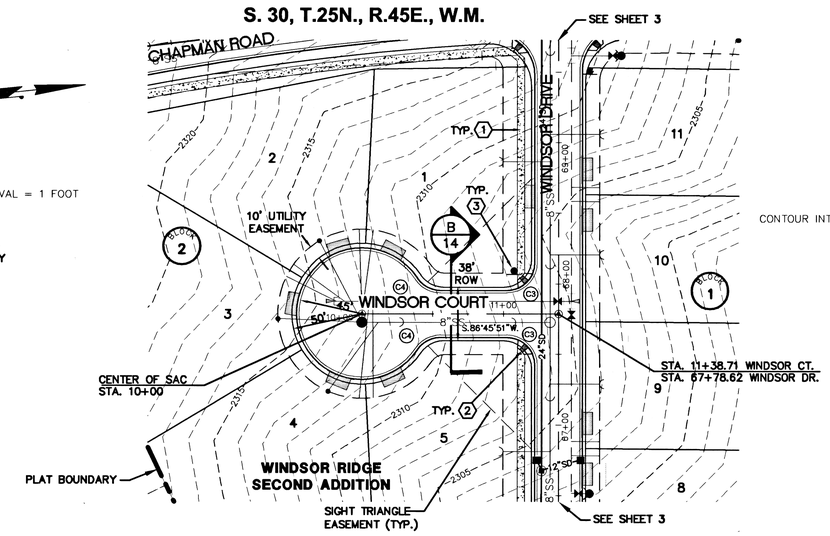
ROAD
SHEET 4 / 16

P-1769A
& P-1769B
Eng Road & Drainage



PRIVATE DRIVE (NOT FOR REVIEW)



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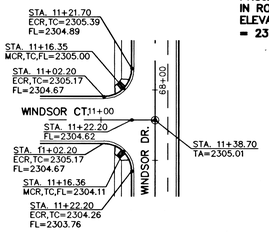

INTERSECTION DETAIL
WINDSOR DR. / WINDSOR CT.

CURVE TABLE AT FACE OF CURB

CURVE	RADIUS	LENGTH	DELTA
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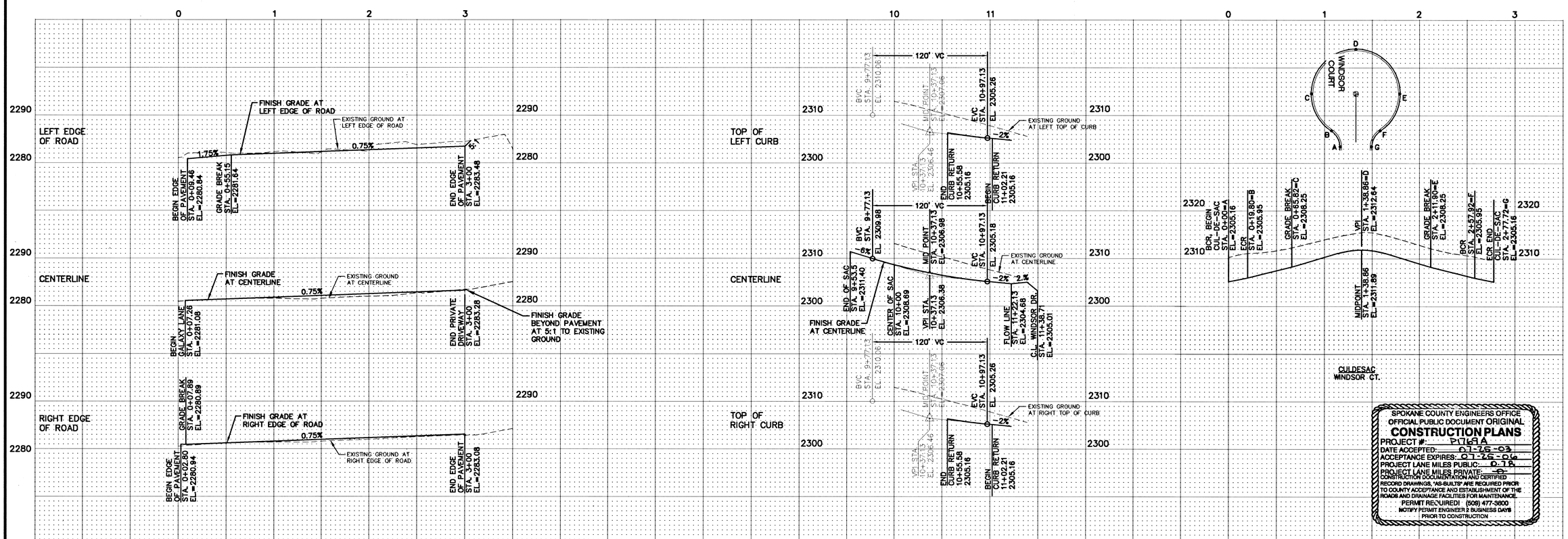

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ACCEPTANCE EXPIRES: 07-26-06
PROJECT LANE MILES PUBLIC: 0.18
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.

No.	Date	By	Ckd.	Appr.	Revisions

		Date
Drawn:	RIE,RDR	06/30/03
Designed:	RIE	06/30/03
Checked:		06/30/03

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 7/11/03 — EXPIRES 03/10/05

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

Developer's Approval: Richard T. Bohn Mgr Date: 6/30/3

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N.____ E.____
CADD FILE NAME: R02-075 GALAXY LN – WINDSOR CT

50 25 0 50 100
SCALE FEET

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

WINDSOR RIDGE
FIRST AND SECOND ADDITIONS

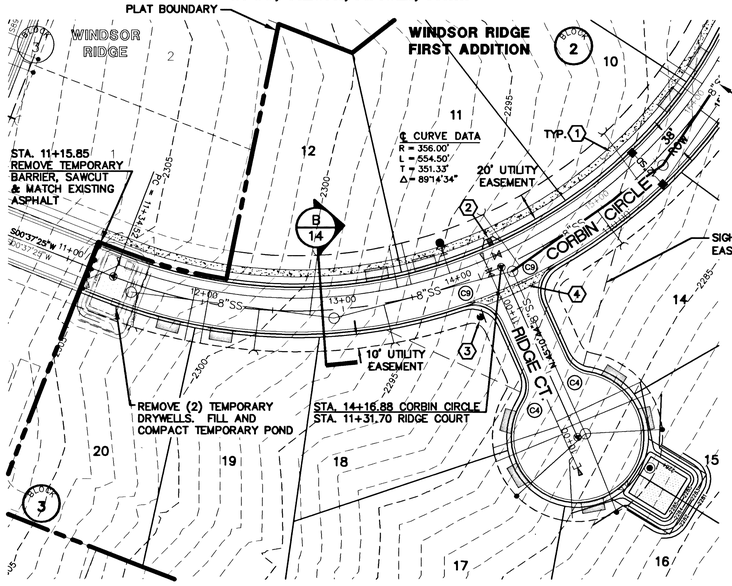
PRIVATE DRIVEWAY
STA. 0+00 TO STA. 3+00

WINDSOR COURT
STA. 10+00 TO STA. 11+38.71

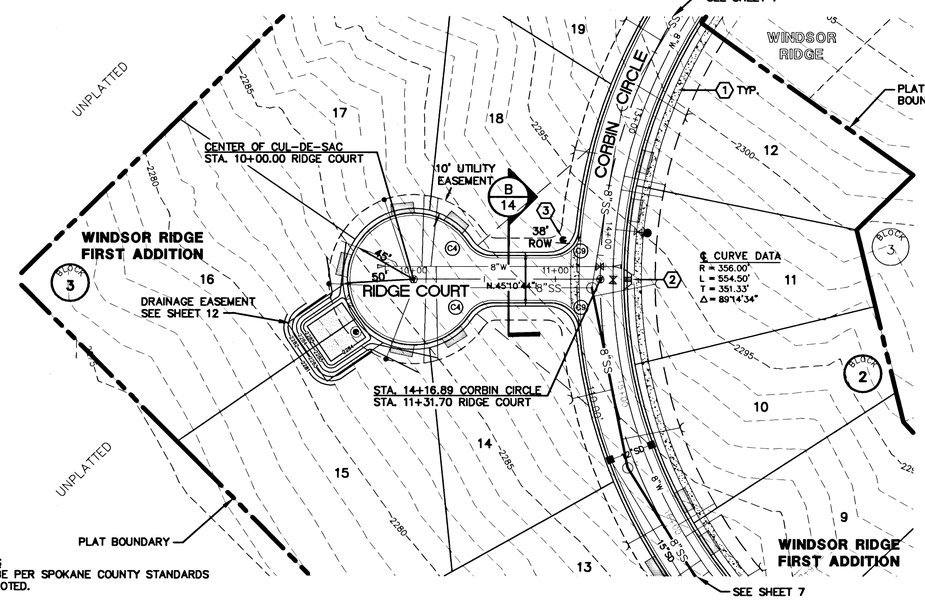
ROAD
SHEET 5 / 16

P-1769A & P-1769B Eng Road & Drainage

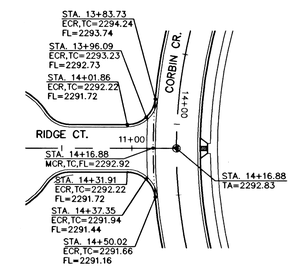
S. 30, T.25N., R.45E., W.M.



S. 30, T.25N., R.45E., W.M.



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



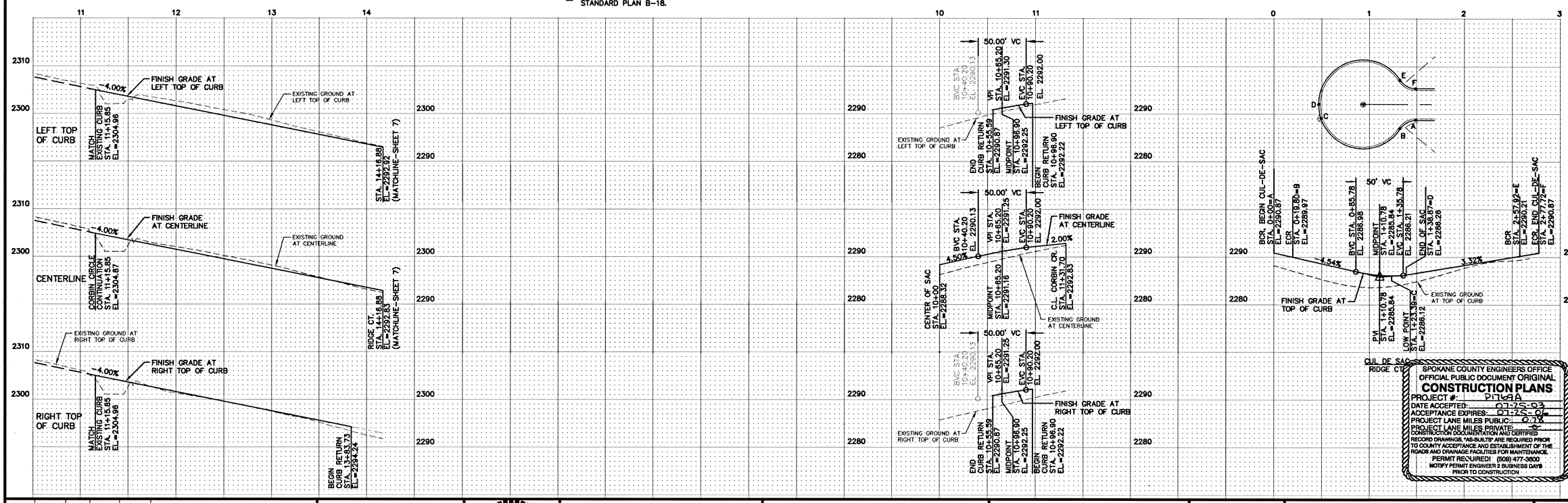
INTERSECTION DETAIL
CORBIN CR. / RIDGE CT.

CONSTRUCTION NOTES
ALL DETAILS SHALL BE PER SPOKANE COUNTY STANDARDS UNLESS OTHERWISE NOTED.

1. 5' CONCRETE SIDEWALK PER STANDARD SHEET A-4.
2. WHEEL CHAIR RAMP PER STANDARD SHEET A-5, DESIGN 'B'.
3. SIGN POST W/STREET SIGN PER STANDARD SHEET A-16.
4. SPOKANE COUNTY STANDARD CROSS GUTTER TYPE 2 PER STANDARD PLAN B-18.

CURVE TABLE AT FACE OF CURB

CURVE	RADIUS	LENGTH	DELTA
C4	20'	19.8'	56°42'13"
C9	20'	29.55'	84°39'51"



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769A
DATE ACCEPTED: 07-25-03
ACCEPTANCE EXPIRES: 07-25-06
PROJECT LANE MILES PUBLIC: 0.78
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

No.	Date	By	Ckd.	Appr.	Revisions

		Date
Drawn:	RIE,RDR	06/30/03
Designed:	RIE	06/30/03
Checked:		06/30/03

MARK A. ARONSON, STATE OF WASHINGTON, 24681, REGISTERED PROFESSIONAL ENGINEER, 7/1/03, EXPIRES 03/10/05

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

Developer's Approval: Richard D. Mac Mge. Date: 4/30/03

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N._____ E._____
CADD FILE NAME: R02-075 CORBIN RD - RIDGE CT

50 25 0 50 100
SCALE FEET

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

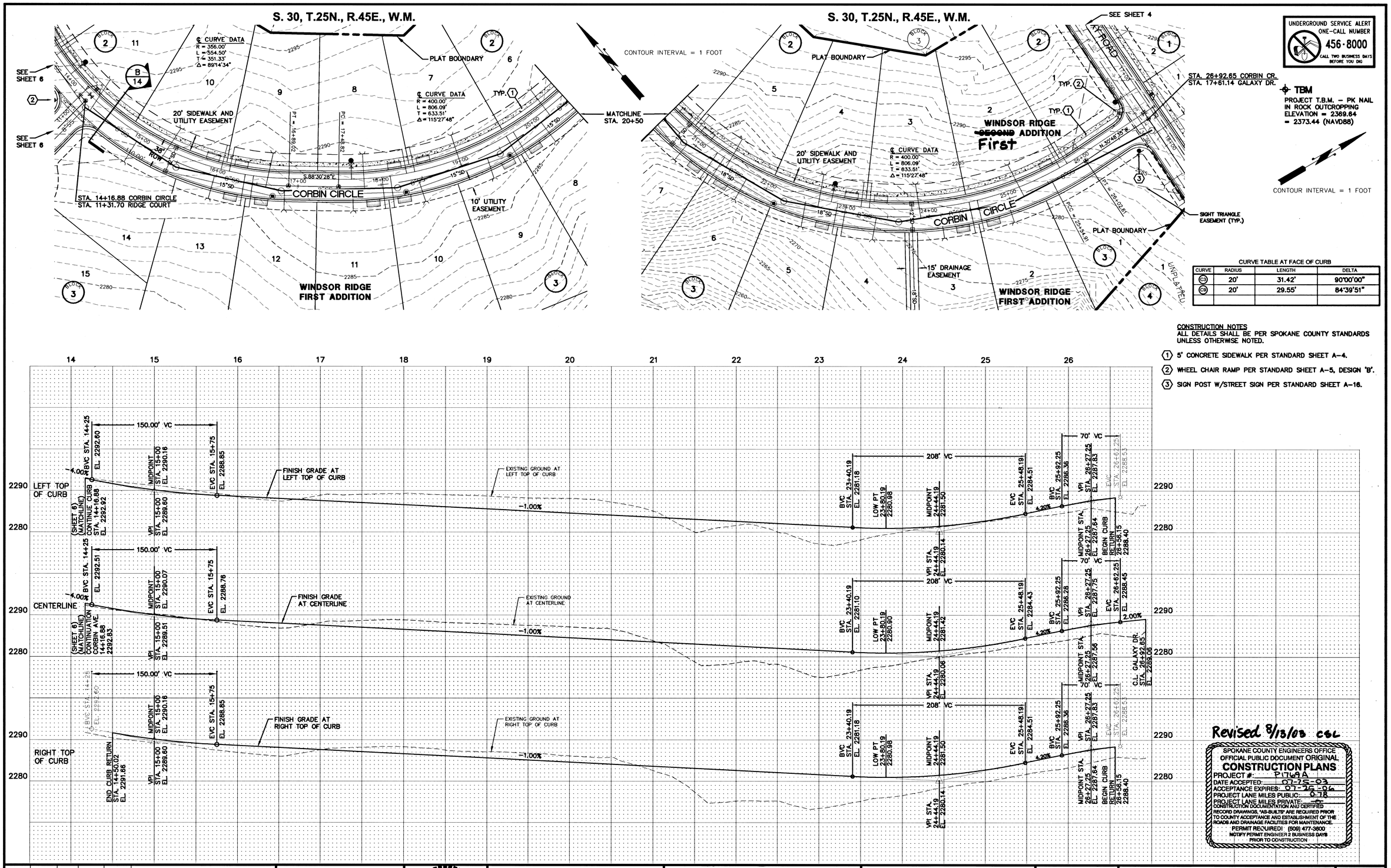
WINDSOR RIDGE
FIRST AND SECOND ADDITIONS

CORBIN CIRCLE
STA. 11+15.85 TO STA. 14+16.88

RIDGE COURT
STA. 10+00 TO STA. 11+31.70

ROAD
SHEET 6 / 16

P-1769A & P1769B Eng Road Drawing



CURVE TABLE AT FACE OF CURB

CURVE	RADIUS	LENGTH	DELTA
C3	20'	31.42'	90°00'00"
C9	20'	29.55'	84°39'51"

CONSTRUCTION NOTES
ALL DETAILS SHALL BE PER SPOKANE COUNTY STANDARDS UNLESS OTHERWISE NOTED.

1. 5' CONCRETE SIDEWALK PER STANDARD SHEET A-4.
2. WHEEL CHAIR RAMP PER STANDARD SHEET A-5, DESIGN 'B'.
3. SIGN POST W/STREET SIGN PER STANDARD SHEET A-16.

Revised 8/13/03 CSL

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769A
DATE ACCEPTED: 07-25-03
ACCEPTANCE EXPIRES: 07-25-06
PROJECT LANE MILES PUBLIC: 0.78
PROJECT LANE MILES PRIVATE: –
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PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

No.	Date	By	Ckd.	Appr.	Revisions

Drawn: RIE,RDR — Date: 06/30/03
Designed: RIE — 06/30/03
Checked: — 06/30/03

MARK A. ARONSON, STATE OF WASHINGTON, 24681, REGISTERED PROFESSIONAL ENGINEER — 7/1/03 — EXPIRES 03/10/05

Taylor Engineering, Inc.
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SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

Developer's Approval: Richard D. Johnson Mgr. — Date: 6/30/3

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N. ____ E. ____
CADD FILE NAME: R02-075 CORBIN AV

50 25 0 50 100
SCALE FEET

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

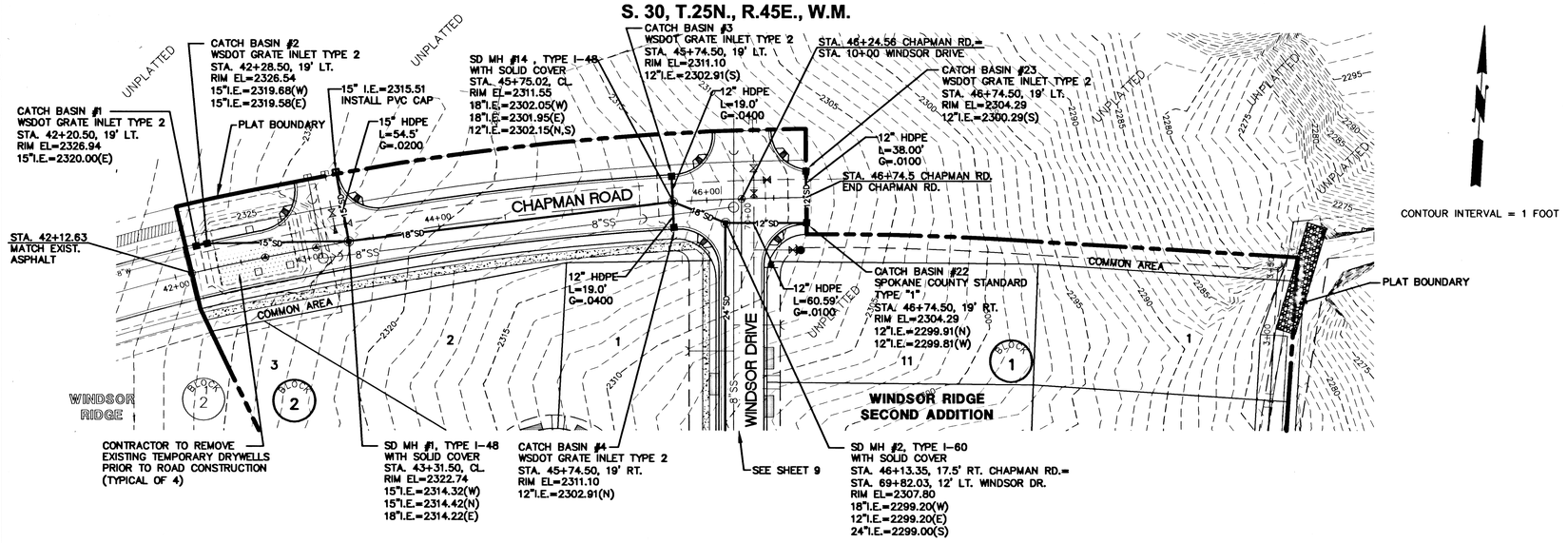
WINDSOR RIDGE
FIRST AND SECOND ADDITIONS

CORBIN CIRCLE
STA. 14+16.88 TO STA. 26+92.65

ROAD
SHEET 7/16

P-1769A & P1769B Eng Road & Drainage

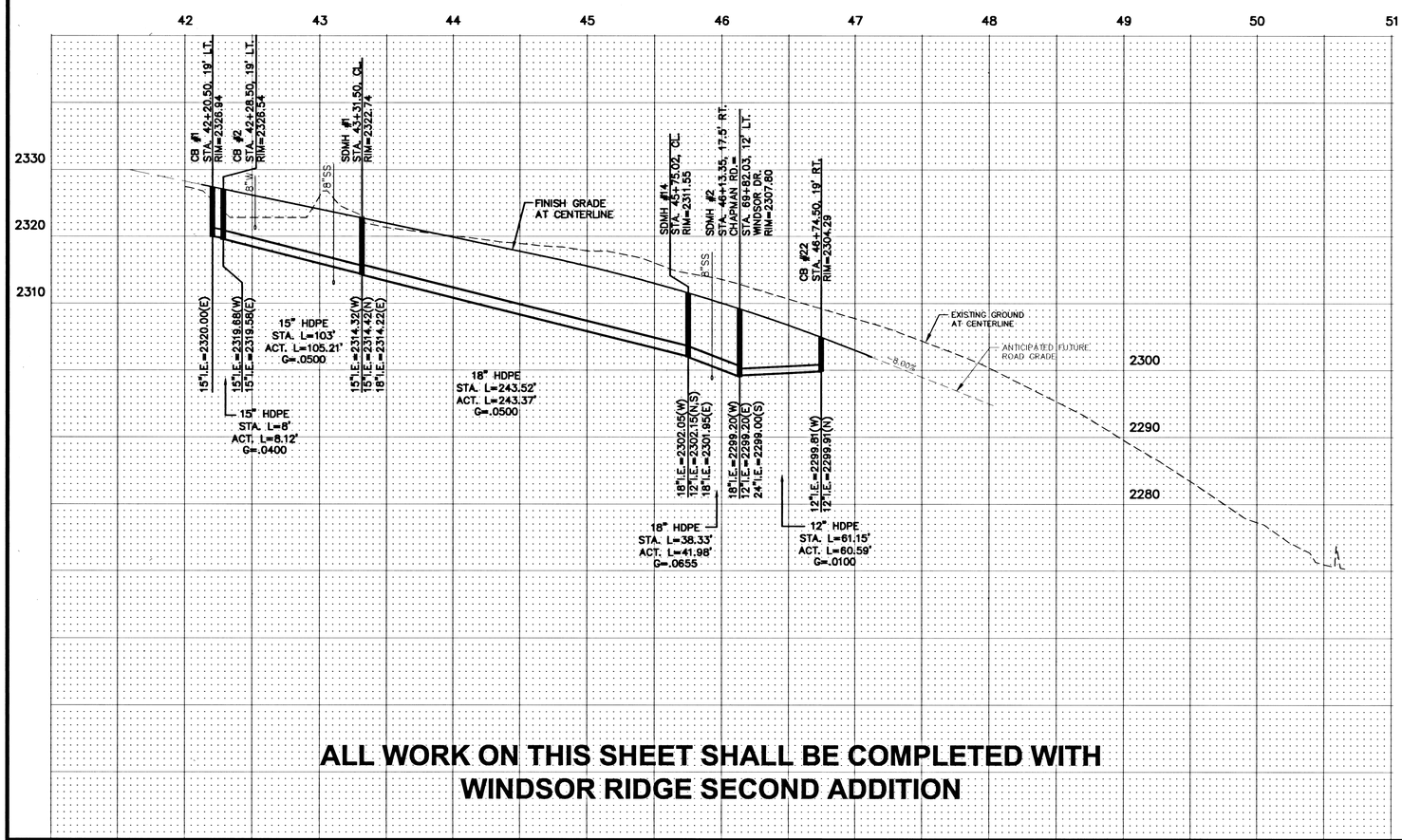
S. 30, T.25N., R.45E., W.M.



CONTOUR INTERVAL = 1 FOOT

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

TBM
PROJECT T.B.M. – PK NAIL
IN ROCK OUTCROPPING
ELEVATION = 2369.64
= 2373.44 (NAVD88)



DRAINAGE NOTES:

1. CONTRACTOR SHALL INSTALL FILTER FABRIC OVER CATCH BASIN GRATES DURING CONSTRUCTION AND PERIODICALLY CLEAN DEBRIS COLLECTED ON FABRIC. IF THE FILTER FABRIC, FOR ANY REASON, IS REMOVED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN OUT THE CATCH BASIN AND REPLACE FILTER FABRIC.
2. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 1995, AND AS AMENDED.
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 AND THE SPOKANE COUNTY ENGINEER'S OFFICE.
6. 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 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 AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.
7. MANHOLE TYPE I-48 IS PER SPOKANE COUNTY STANDARD PLAN NO. U-2 WITH RING AND COVER PER SPOKANE COUNTY STANDARD PLAN U-14.
8. MANHOLE TYPE I-60 IS PER SPOKANE COUNTY STANDARD PLAN U-3 WITH RING AND COVER PER SPOKANE COUNTY STANDARD PLAN U-14.
9. GRATE INLET TYPE 2 IS PER WSDOT STANDARD PLAN B-4c.
10. CURB INLET TYPE 1 IS PER SPOKANE COUNTY STANDARD PLAN B-8.
11. TYPE "B" DRYWELL IS PER SPOKANE COUNTY STANDARD PLAN B-1a, WITH METAL FRAME AND GRATE TYPE 4 PER STANDARD PLAN B-15.

ALL WORK ON THIS SHEET SHALL BE COMPLETED WITH WINDSOR RIDGE SECOND ADDITION

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769A
DATE ACCEPTED: 07-25-03
ACCEPTANCE EXPIRES: 07-25-06
PROJECT LANE MILES PUBLIC: 0.73
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

No.	Date	By	Ckd.	Appr.	Revisions

		Date
Drawn:	CWD	06/30/03
Designed:	CRG	06/30/03
Checked:		06/30/03

MARK A. ARONSEN — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 7/11/03
EXPIRES 03/10/05

Taylor Engineering, Inc.
Civil Design and Land Planning
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SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

Developer's Approval: Richard Dohn Mgr. Date: 6/30/03

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N._____ E._____
CADD FILE NAME: D02-075 CHAPMAN RD
50 25 0 50 100
SCALE FEET

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

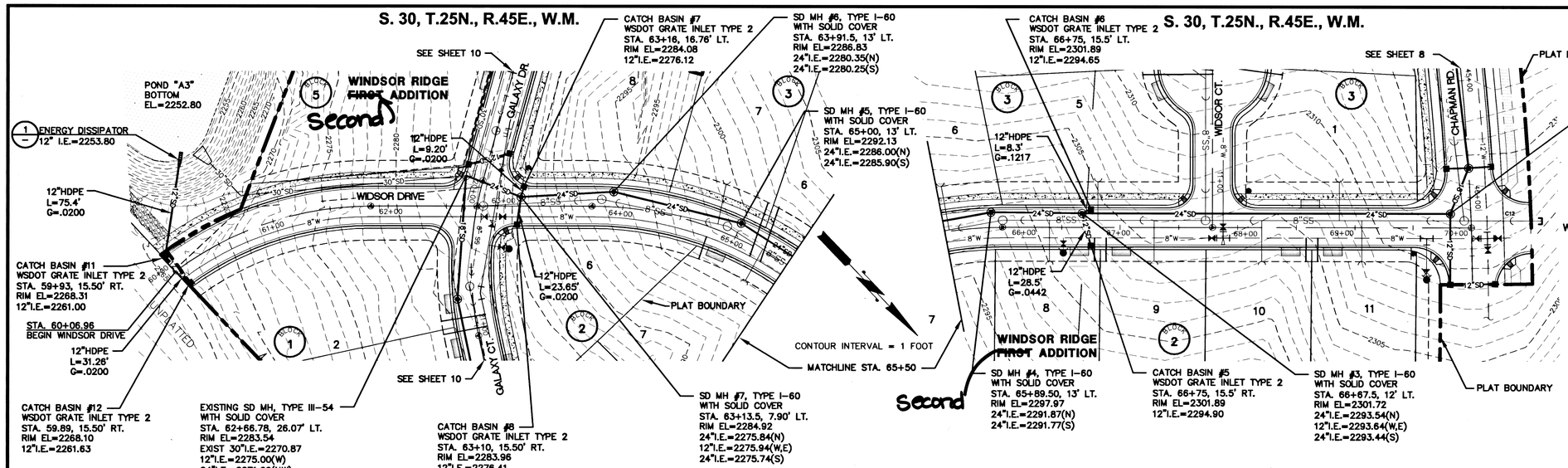
WINDSOR RIDGE
FIRST AND SECOND ADDITIONS

CHAPMAN ROAD

STA. 42+20.50 TO STA. 46+13.35

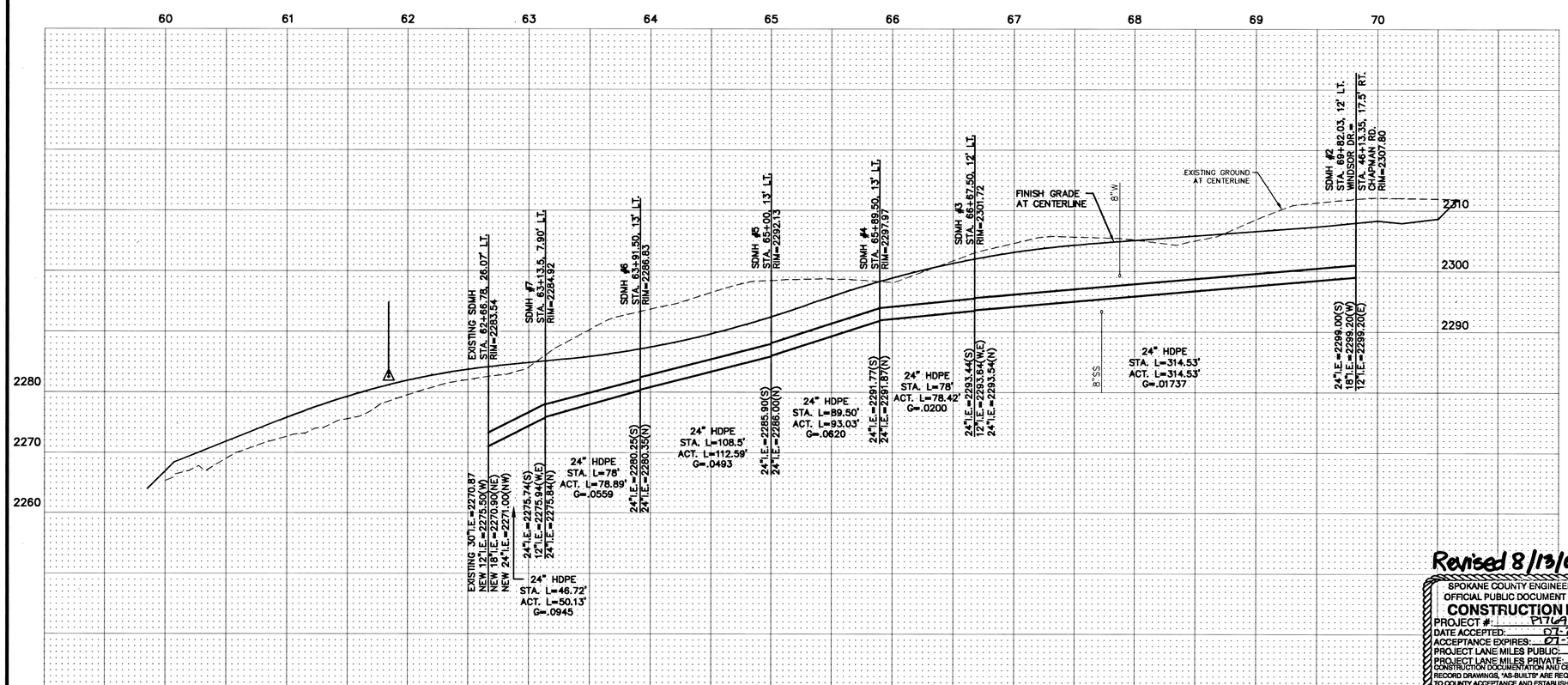
STORM
SHEET 8 / 16

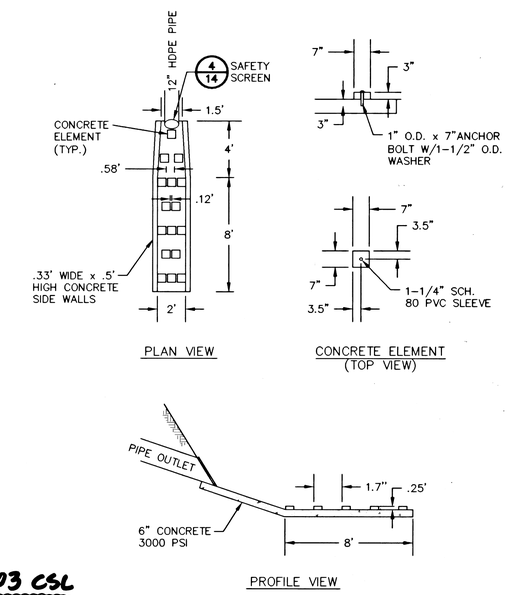
P-1769A & P-1769B Eng Roads Drainage



NOTES:

1. SEE DRAINAGE NOTES SHEET 8.





1/4 ENERGY DISSIPATOR
NOT TO SCALE

Revised 8/13/03 CSL

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769A
DATE ACCEPTED: 07-25-03
ACCEPTANCE EXPIRES: 07-25-06
PROJECT LANE MILES PUBLIC: 0.78
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

ALL WORK ON THIS SHEET SHALL BE COMPLETED WITH WINDSOR RIDGE SECOND ADDITION

No.	Date	By	Ckd.	Appr.	Revisions

		Date
Drawn:	CWD	06/30/03
Designed:	GRG	06/30/03
Checked:		06/30/03

MARK A. ARONSON, STATE OF WASHINGTON, 24681, REGISTERED PROFESSIONAL ENGINEER, 7/1/03, EXPIRES 03/10/05

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

Developer's Approval: Richard Dale Mgr Date: 6/30/3

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N._____ E._____
CADD FILE NAME: D02-075 WINDSOR DR

50 25 0 50 100
SCALE FEET

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

WINDSOR RIDGE
FIRST AND SECOND ADDITIONS

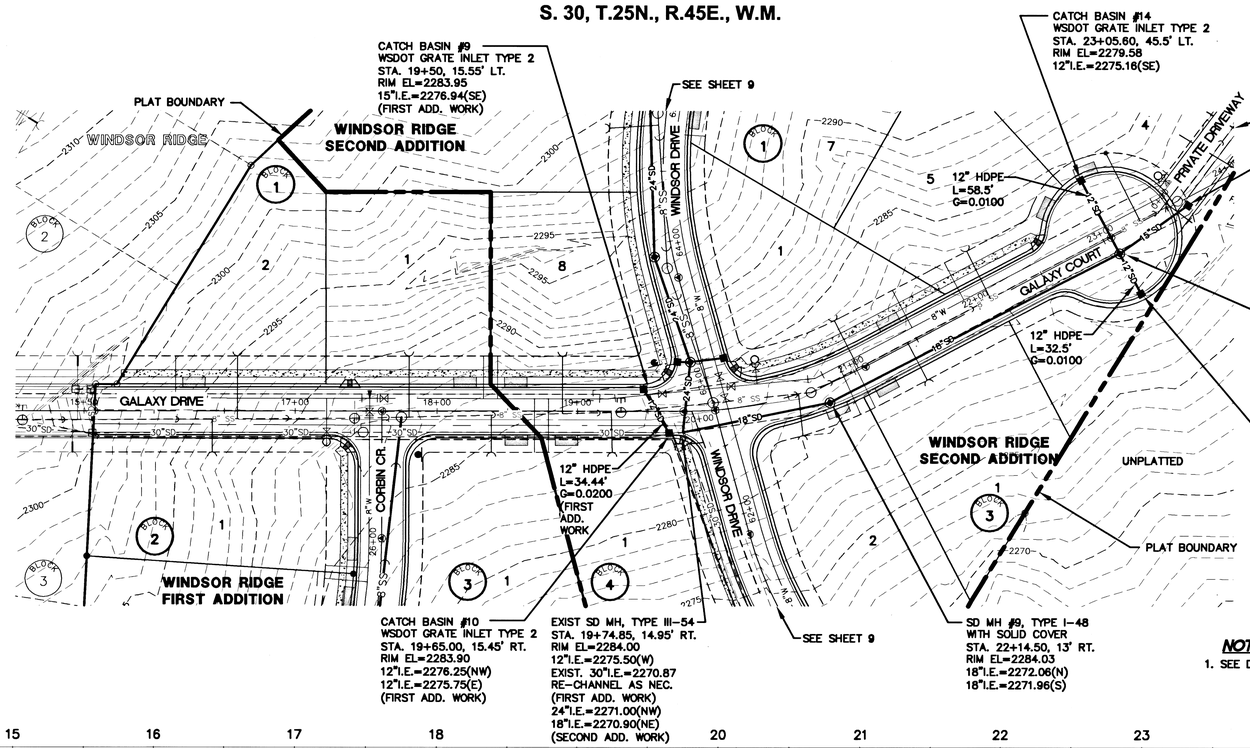
WINDSOR DRIVE

STA. 62+66.78± TO STA. 69+82.03

STORM SHEET 9/16

P-1769A Eng Road & Drainage
P-1769B

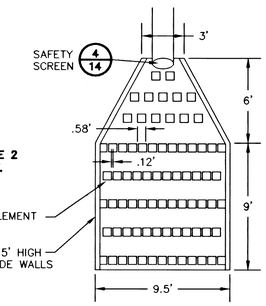
S. 30, T.25N., R.45E., W.M.



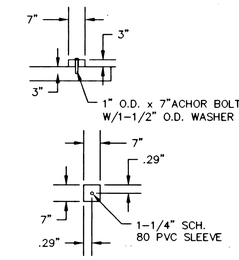
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CONTOUR INTERVAL = 1 FOOT

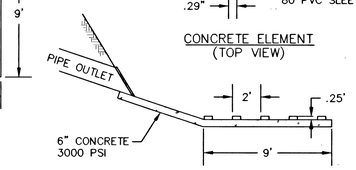
TBM
PROJECT T.B.M. – PK NAIL IN ROCK OUTCROPPING
ELEVATION = 2369.64
= 2373.44 (NAVD88)



PLAN VIEW



CONCRETE ELEMENT
(TOP VIEW)

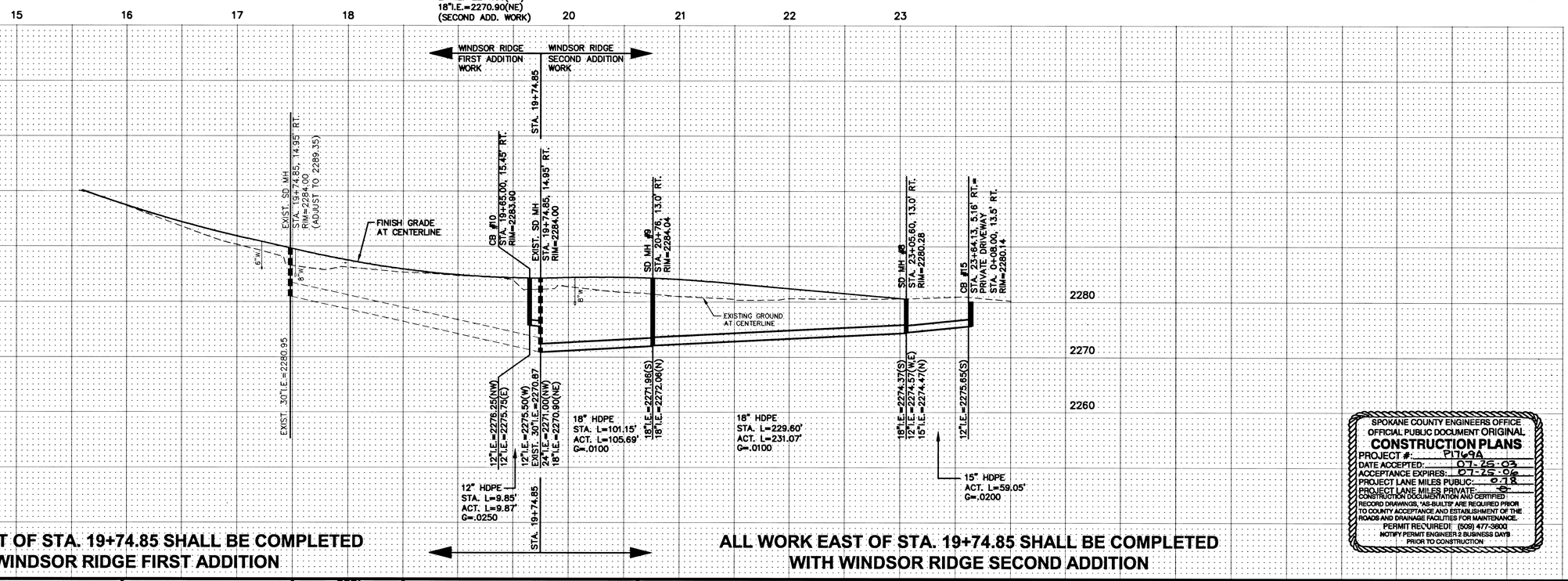


PROFILE VIEW

1/11 ENERGY DISSIPATOR
NOT TO SCALE

NOTES:

1. SEE DRAINGAE NOTES SHEET 8.



ALL WORK WEST OF STA. 19+74.85 SHALL BE COMPLETED WITH WINDSOR RIDGE FIRST ADDITION

ALL WORK EAST OF STA. 19+74.85 SHALL BE COMPLETED WITH WINDSOR RIDGE SECOND ADDITION

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769A
DATE ACCEPTED: 07-25-03
ACCEPTANCE EXPIRES: 07-25-06
PROJECT LANE MILES PUBLIC: 0.18
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
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No.	Date	By	Ckd.	Appr.	Revisions

		Date
Drawn:	GRG,RIE	06/30/03
Designed:	GRG	06/30/03
Checked:		06/30/03

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 7/11/03 — EXPIRES 03/10/05

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SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

Developer's Approval: Richard D. Solon Mgr. Date: 6/30/3

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N._____ E._____
CADD FILE NAME: D02-075 GALAXY CT
50 25 0 50 100
SCALE FEET

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

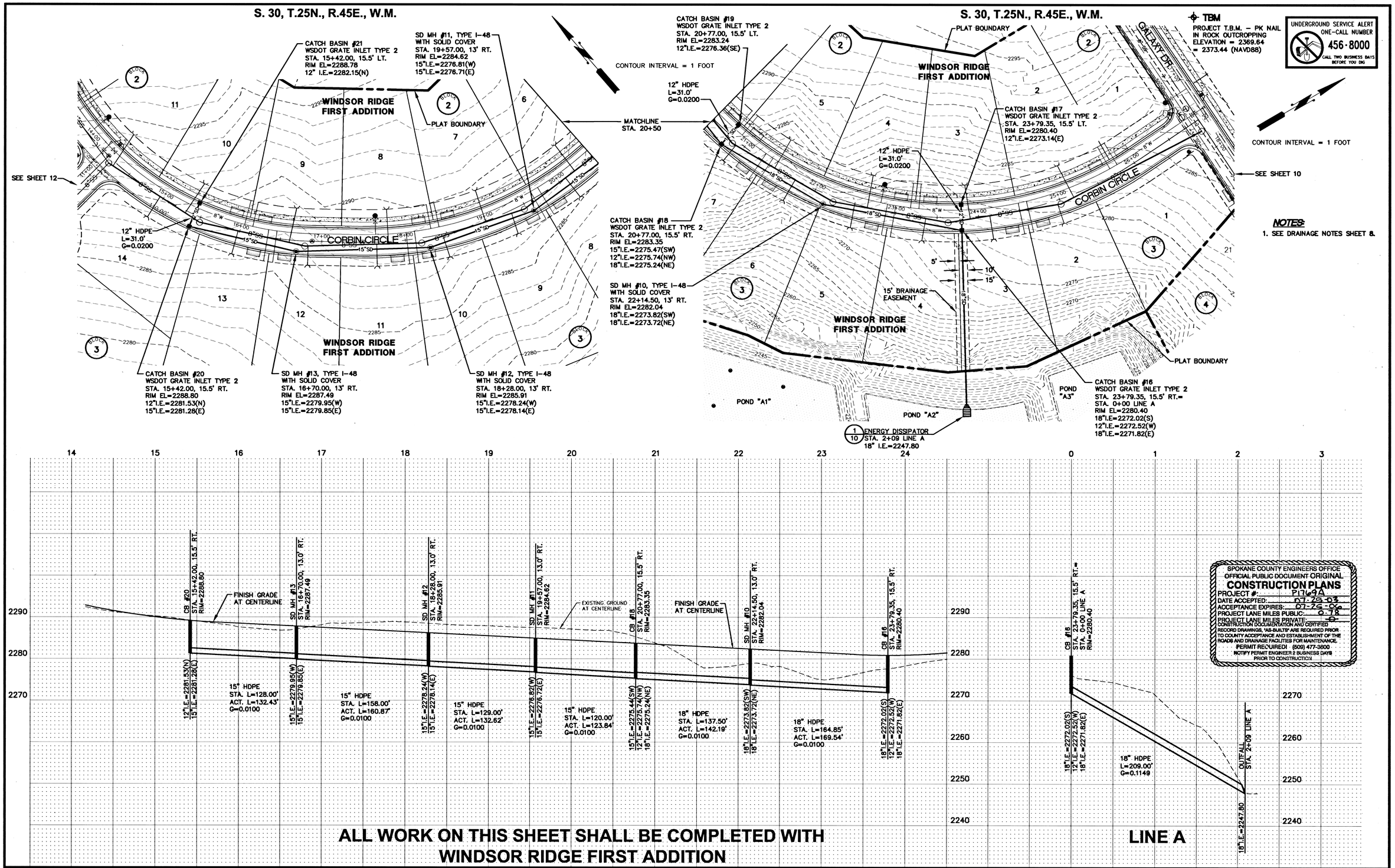
WINDSOR RIDGE
FIRST AND SECOND ADDITIONS

GALAXY DRIVE
STA. 19+50 TO STA. 19+97.54

GALAXY COURT
STA. 19+97.54 to STA. 23+61.64

STORM
SHEET 10/16

P-1769A
& P-1769B
Eng Road & Drainage



ALL WORK ON THIS SHEET SHALL BE COMPLETED WITH WINDSOR RIDGE FIRST ADDITION

No.	Date	By	Ckd.	Appr.	Revisions

Drawn: GRG,RIE 06/30/03
Designed: GRG 06/30/03
Checked: 06/30/03

MARK A. ARONSON, STATE OF WASHINGTON, 24681, REGISTERED PROFESSIONAL ENGINEER, 7/1/03, EXPIRES 03/10/05

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Spokane Wa. 99260
509-477-3600

Developer's Approval: Richard D. Mar mgr Date: 6/30/3

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N.____ E.____
CADD FILE NAME: D02-075 CORBIN CR
50 25 0 50 100 SCALE FEET

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

WINDSOR RIDGE FIRST AND SECOND ADDITIONS

CORBIN CIRCLE
STA. 15+42 TO STA. 23+79.35
LINE A
STA. 0+00 TO 2+09

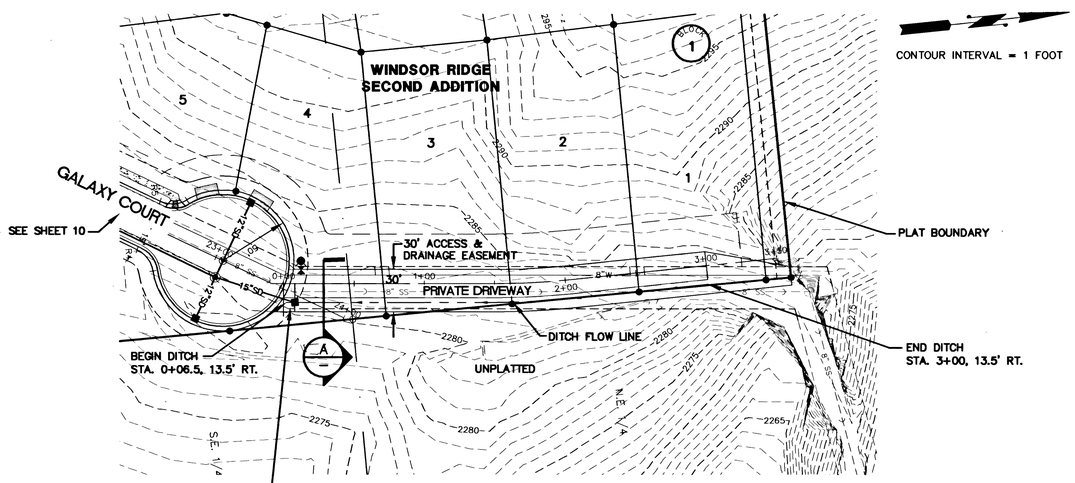
STORM
SHEET 11 / 16

P-1769A Eng Road + Drainage
& P-1769B

TBM
PROJECT T.B.M. – PK NAIL
IN ROCK OUTCROPPING
ELEVATION = 2369.64
= 2373.44 (NAVD88)

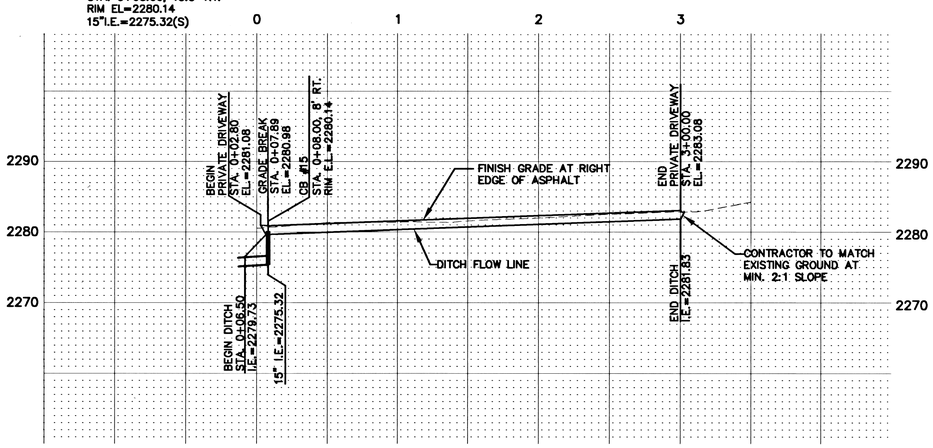
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

S. 30, T.25N., R.45E., W.M.

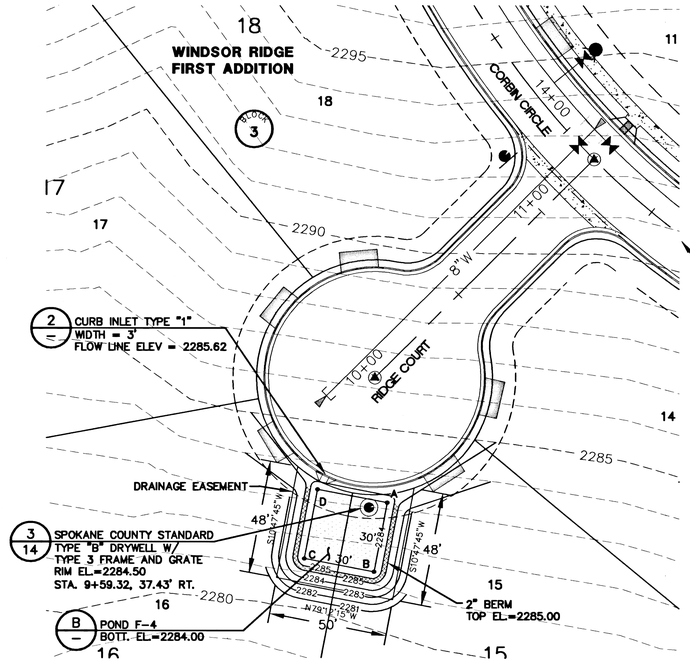


1/14 CATCH BASIN #15
DITCH INLET
STA. 23+64.13, 5.2' RT.=
PRIVATE DRIVEWAY
STA. 0+08.00, 13.5' RT.
RIM EL=2280.14
15"I.E.=2275.32(S)

ALL WORK ON THIS DITCH SHALL BE COMPLETED WITH WINDSOR RIDGE SECOND ADDITION



ALL WORK FOR POND F4 SHALL BE COMPLETED WITH WINDSOR RIDGE FIRST ADDITION



NOTE:
ALL POND SIDE SLOPES = 3:1

			RIDGE CT. ℄ STATION EXTENDED	OFFSET
BOTTOM ELEVATION	2284.00	A	9+66.23	41.49 RT.
BOTTOM AREA	900.00 SF	B	9+41.47	58.43' RT.
TOP OF BERM	2285.00	C	9+24.53	33.67' RT.
		D	9+49.29	16.73' RT.

POND 'F4' — 1/6
SCALE: 1" = 30'

GENERAL NOTES:

1. 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 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 AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.
2. ALL PONDS AND DISTURBED AREAS SHALL BE HYDRO-SEEDED W/DRYLAND SEED MIX AS FOLLOWS:

   DRYLAND SEED MIX REQUIREMENTS

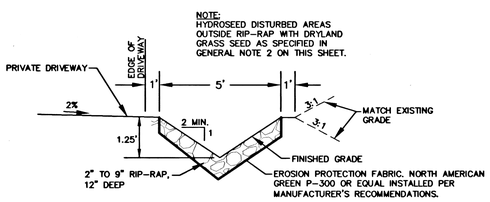
   GRASS SEED: PROVIDE FRESH, CLEAN, NEW-CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

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

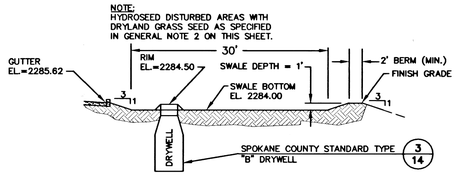
   PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:

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

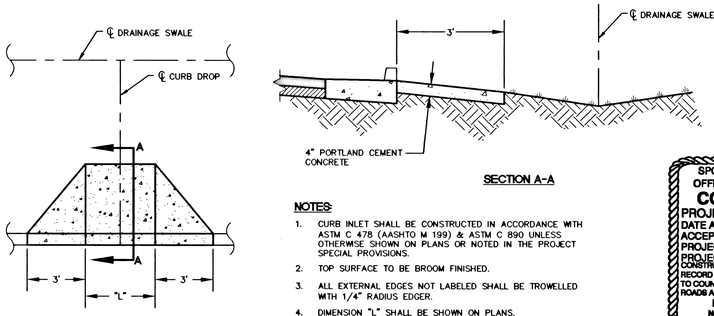
   ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS, SEC. 8-01.
3. ALL POND SIDE SLOPES SHALL BE 3:1.
4. SEE SHEET 8 FOR DRAINAGE NOTES.



ROAD SIDE DRAINAGE DITCH — A/–
NOT TO SCALE



POND F4 — B/–
NOT TO SCALE



NOTES:

1. CURB INLET SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (AASHTO M 199) & ASTM C 890 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE PROJECT SPECIAL PROVISIONS.
2. TOP SURFACE TO BE BROOM FINISHED.
3. ALL EXTERNAL EDGES NOT LABELED SHALL BE TROWELLED WITH 1/4" RADIUS EDGER.
4. DIMENSION "L" SHALL BE SHOWN ON PLANS.

CURB INLET TYPE 1 — 2/–
NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769A
DATE ACCEPTED: 07-25-03
ACCEPTANCE EXPIRES: 07-25-06
PROJECT LANE MILES PUBLIC: 0.78
PROJECT LANE MILES PRIVATE: -0-
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

No.	Date	By	Ckd.	Appr.	Revisions

		Date
Drawn:	GRG, RIE	06/30/03
Designed:	GRG	06/30/03
Checked:		06/30/03

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 7/11/03 — EXPIRES 03/10/05

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

Developer's Approval: Richard Dodge Mgr Date: 6/30/03

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N._____ E._____
CADD FILE NAME: D02-075 GALAXY LN (PRIVATE DR)
50 25 0 50 100
SCALE FEET

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

WINDSOR RIDGE
FIRST AND SECOND ADDITIONS

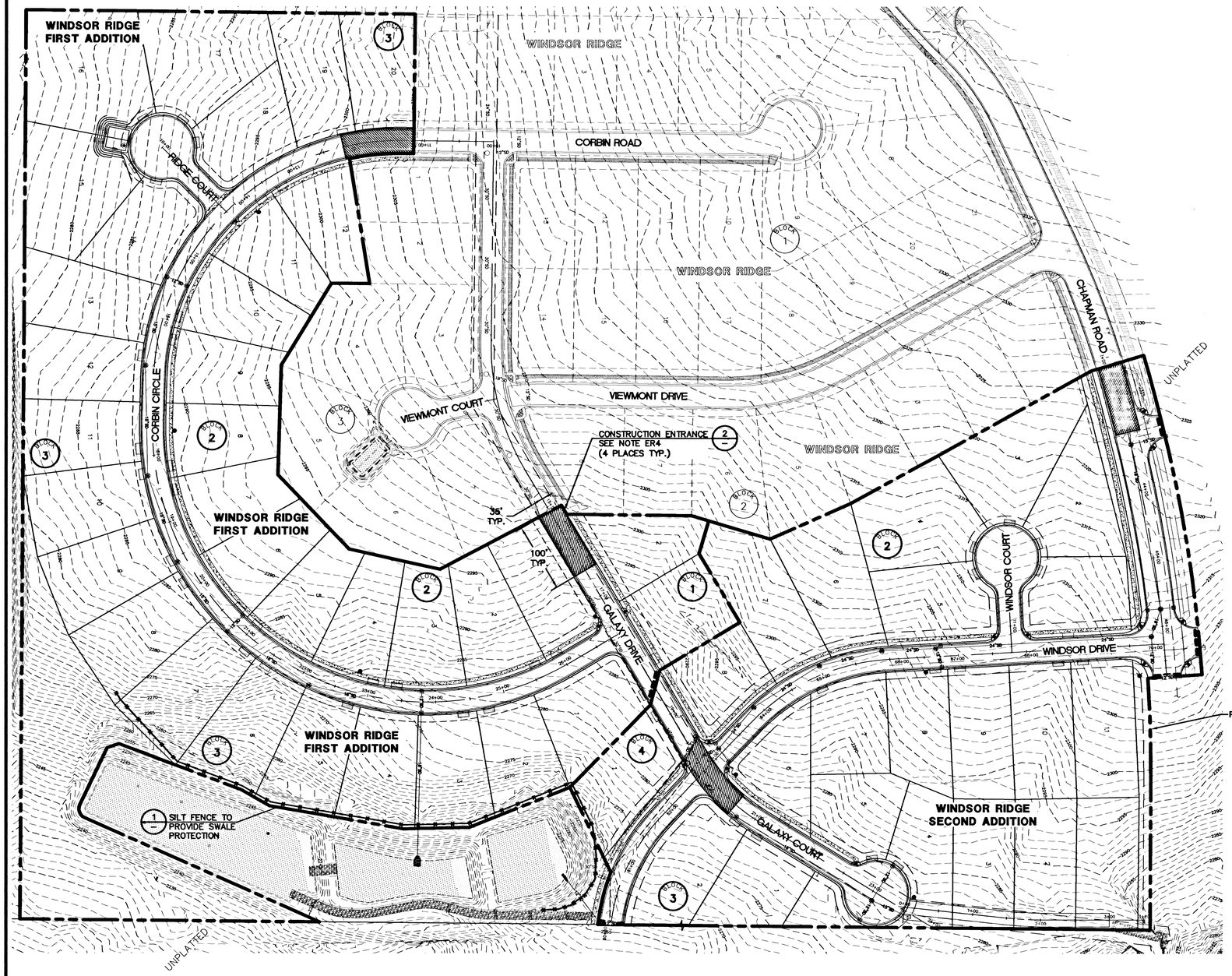
PRIVATE DRIVEWAY
STA. 0+02 TO STA. 3+00

RIDGE COURT - POND F4

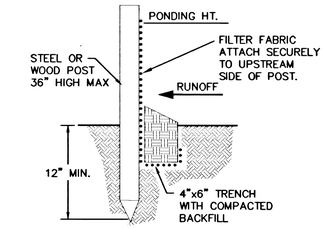
STORM
SHEET 12 / 16

P-1769A & P-1769B Eng Road + Drainage

S. 30, T.25N., R.45E., W.M.



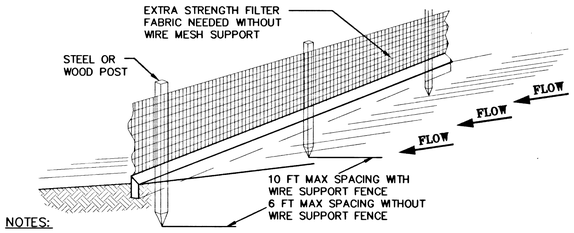
CONTOUR INTERVAL = 1 FOOT



STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

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

TBM
PROJECT T.B.M. – PK NAIL IN ROCK OUTCROPPING
ELEVATION = 2369.64



NOTES:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE (1/–)

NOT TO SCALE

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DATE ACCEPTED: 07-25-03
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PROJECT LANE MILES PUBLIC: 0.78
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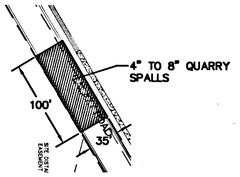
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



CONSTRUCTION ENTRY (2/–)

NOT TO SCALE

DRYLAND SEED MIX REQUIREMENTS

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:

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15 PERCENT	REUBENS CANADIAN BLUEGRASS

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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.

STANDARD NOTES FOR EROSION CONTROL

ER1 AN EROSION/SEDIMENTATION CONTROL (ESC) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OD THE ESC PLAN, AND CONSTRUCTION, MAINTENANCE, AND UPGRADING OF THE ESC FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY SPOKANE COUNTY, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE, AND ACCEPTED BY SPOKANE COUNTY, WHICHEVER IS LATER.

ER2 APPROVAL OF THE ESC PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE ESC PLAN.

ER3 THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE ESC MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF THE SITE, OR INTO EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.

ER4 THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE.

ER5 GEOTEXTILE FABRIC IS TO BE PLACED ON THE RIMS OF DRYWELLS, CATCH BASINS AND INLETS UNTIL SUCH TIME THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR SUPPRESSION OF DUST IN CONFORMANCE WITH SCAPCA REGULATIONS.
2. CONTRACTOR TO TAKE NECESSARY MEASURES TO AVOID TRACKING SEDIMENT OFF THE SITE OR ONTO PUBLIC RIGHT OF WAY. CONTRACTOR MAY HAVE TO CONSTRUCT A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT. ANY DEBRIS OR SEDIMENT THAT IS TRACKED OFF THE SITE SHALL BE CLEANED UP BY CONTRACTOR.
3. CONTRACTOR TO TAKE NECESSARY MEASURES TO AVOID DAMAGE TO THE SALTESE CREEK OR ITS BANKS.
4. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES WITHIN 30 DAYS AFTER STABILIZATION OF TRIBUTARY AREAS.
5. PERMANENT AND TEMPORARY DRAINAGE DITCH MUST BE CONSTRUCTED AND FUNCTIONING PRIOR TO ANY ON-SITE WORK. TEMPORARY DITCH MUST REMAIN IN PLACE AND FUNCTIONING UNTIL STORM DRAIN SYSTEM IS CONSTRUCTED AND APPROVED.
6. ALL DITCHES MUST BE MAINTAINED CLEAR OF OBSTRUCTIONS DURING CONSTRUCTION.

No.	Date	By	Ckd.	Appr.	Revisions

		Date
Drawn:	RIE	06/30/03
Designed:	RIE	06/30/03
Checked:		06/30/03

MARK A. ARONSON, STATE OF WASHINGTON, 24681, REGISTERED PROFESSIONAL ENGINEER — 7/1/03 — EXPIRES 03/10/05

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DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
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509-477-3600

Developer's Approval: Richard T. Sch Mgr — Date: 6/30/3

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N._____ E._____
CADD FILE NAME: D02-075 EROSION CONTROL

80 40 0 80 160
SCALE FEET

SCALE
HORIZ. 1" = 80'
VERT. N/A

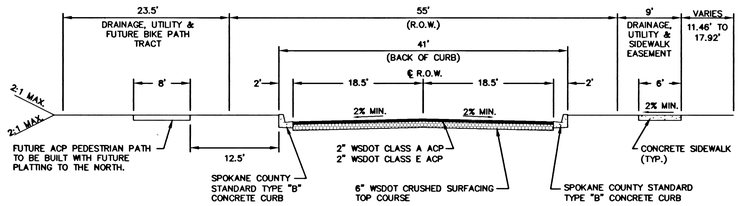
WINDSOR RIDGE
FIRST AND SECOND ADDITIONS

EROSION AND SEDIMENTATION CONTROL PLAN

STORM SHEET 13/16

P 1769A
& P 1769B
Eng Bond Release

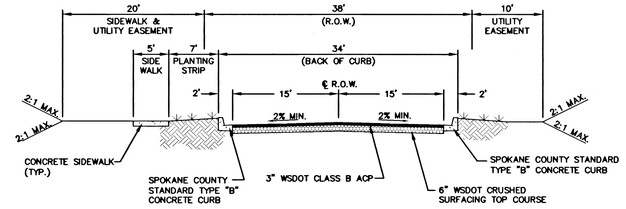
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG



TYPICAL ROAD SECTION - CHAPMAN ROAD

NOT TO SCALE

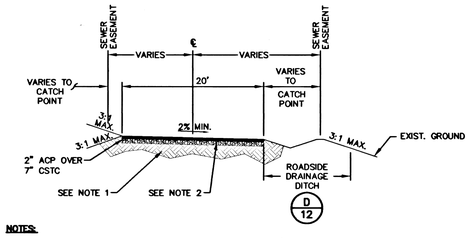
A / 2



TYPICAL ROAD SECTION

NOT TO SCALE

B / 3–7



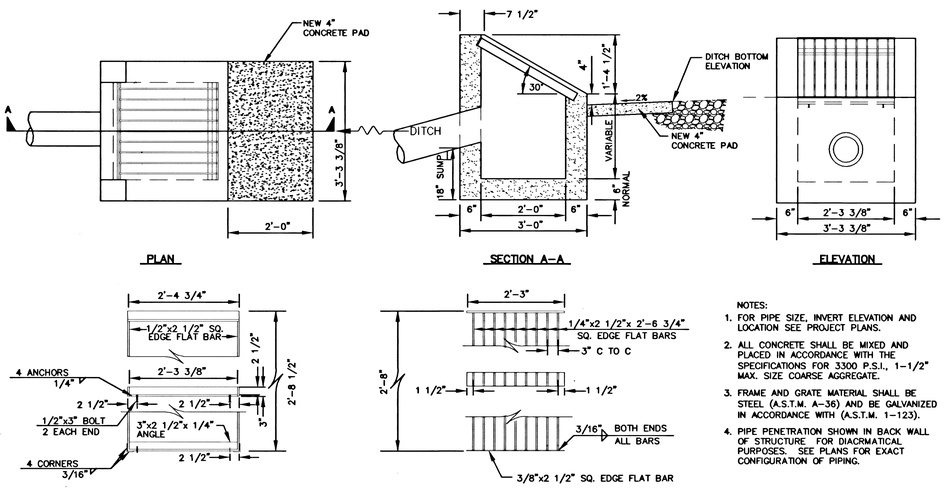
NOTES:

1. COMPACT SUBGRADE PER THE REQUIREMENTS OF WSDOT/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (2002)– SECTION 2–06.
2. PLACE AND COMPACT CRUSHED SURFACING TOP COURSE TO A DEPTH OF 0.5 FEET PER THE REQUIREMENTS OF WSDOT/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (2002)– SECTION 4–04

TYPICAL PRIVATE DRIVEWAY SECTION

NOT TO SCALE

C / 5



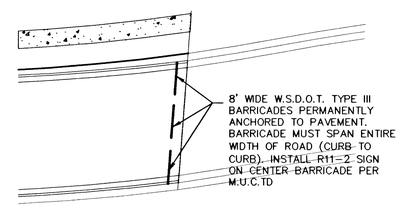
NOTES:

1. FOR PIPE SIZE, INVERT ELEVATION AND LOCATION SEE PROJECT PLANS.
2. ALL CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE SPECIFICATIONS FOR 3300 P.S.I., 1–1/2" MAX. SIZE COARSE AGGREGATE.
3. FRAME AND GRATE MATERIAL SHALL BE STEEL (A.S.T.M. A–36) AND BE GALVANIZED IN ACCORDANCE WITH (A.S.T.M. 1–123).
4. PIPE PENETRATION SHOWN IN BACK WALL OF STRUCTURE FOR DIACRMATICAL PURPOSES. SEE PLANS FOR EXACT CONFIGURATION OF PIPING.

DITCH INLET CATCH BASIN

NOT TO SCALE

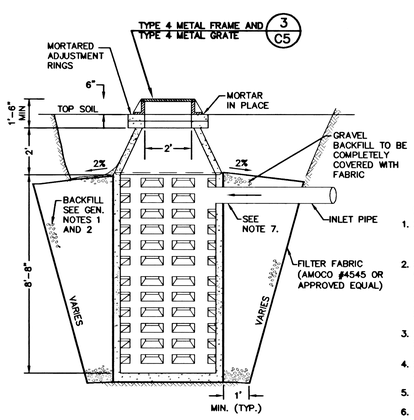
1 / 12

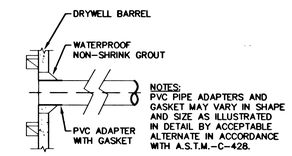


TEMPORARY BARRIER

NOT TO SCALE

2 / 2–3





NOTES:
PVC PIPE ADAPTERS AND GASKET MAY VARY IN SHAPE AND SIZE AS ILLUSTRATED IN DETAIL BY ACCEPTABLE ALTERNATE IN ACCORDANCE WITH A.S.T.M.–C–428.

PVC ADAPTER SAND COLLAR

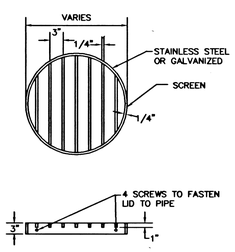
NOTES:

1. GRAVEL BACKFILL QUANTITIES FOR DRYWELLS: TYPE "B" – 40 C.Y. MIN. (56 TONS) OR AS SPECIFIED ON ROAD PLANS
2. SPECIAL BACKFILL MATERIAL FOR DRYWELLS SHALL CONSIST OF WASHED GRAVEL GRADED FROM 1" TO 3" WITH A MAXIMUM OF 5% PASSING THE U.S. NO. 200 SCREEN, AS MEASURED BY WEIGHT. A MAXIMUM OF 10% OF THE AGGREGATE, AS MEASURED BY WEIGHT, MAY BE CRUSHED OR FRACTURED ROCK. THE REMAINING 90% SHALL BE NATURALLY OCCURRING UNFRACTURED MATERIAL.
3. FABRIC SHALL BE MODERATE SURVIVABILITY AS OUTLINED IN STANDARD SPECIFICATIONS 9–33.
4. SEE STANDARD PLANS SHEET B–2 AND B–3 FOR PRECAST CONCRETE DETAILS.
5. ADJUSTMENT BLOCKS SHALL BE CEMENT CONCRETE.
6. PRECAST RISER MAY BE USED IN COMBINATION WITH OR IN LIEU OF ADJUSTING BLOCKS.
7. WHEN PVC PIPE IS USED A PVC ADAPTER SHALL BE INSTALLED.
8. PIPES SHALL BE GROUTED INTO DRYWELLS.

DOUBLE DEPTH DRYWELL

NOT TO SCALE

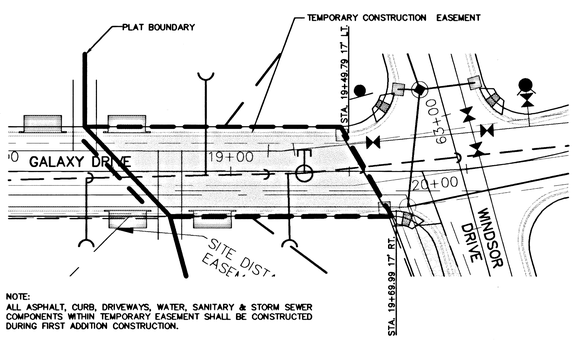
3 / 12



SAFETY SCREEN

NOT TO SCALE

4 / 9–10



NOTE:
ALL ASPHALT, CURB, DRIVEWAYS, WATER, SANITARY & STORM SEWER COMPONENTS WITHIN TEMPORARY EASEMENT SHALL BE CONSTRUCTED DURING FIRST ADDITION CONSTRUCTION.

EXTENDED CONSTRUCTION / TEMPORARY EASEMENT

NOT TO SCALE

5 / 4

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769A
DATE ACCEPTED: 07-25-03
ACCEPTANCE EXPIRES: 07-25-06
PROJECT LANE MILES PUBLIC: 0.75
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

No.	Date	By	Ckd.	Appr.	Revisions

Drawn: RIE,RDR — Date 06/30/03
Designed: RIE — 06/30/03
Checked: — 06/30/03

MARK A. ARONSON, STATE OF WASHINGTON, 24681, REGISTERED PROFESSIONAL ENGINEER — 7/1/03 — EXPIRES 03/10/05

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W. 1026 Broadway Ave.
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Developer's Approval: Richard D. Solem Mgr. Date: 6/30/3

VERTICAL DATUM: COUNTY BM No. 62 EL. 2373.44 (NAVD88)
HORIZONTAL DATUM: NAD 83 N._____ E._____
CADD FILE NAME: 02-075 DETAILS ROAD & DRAINAGE

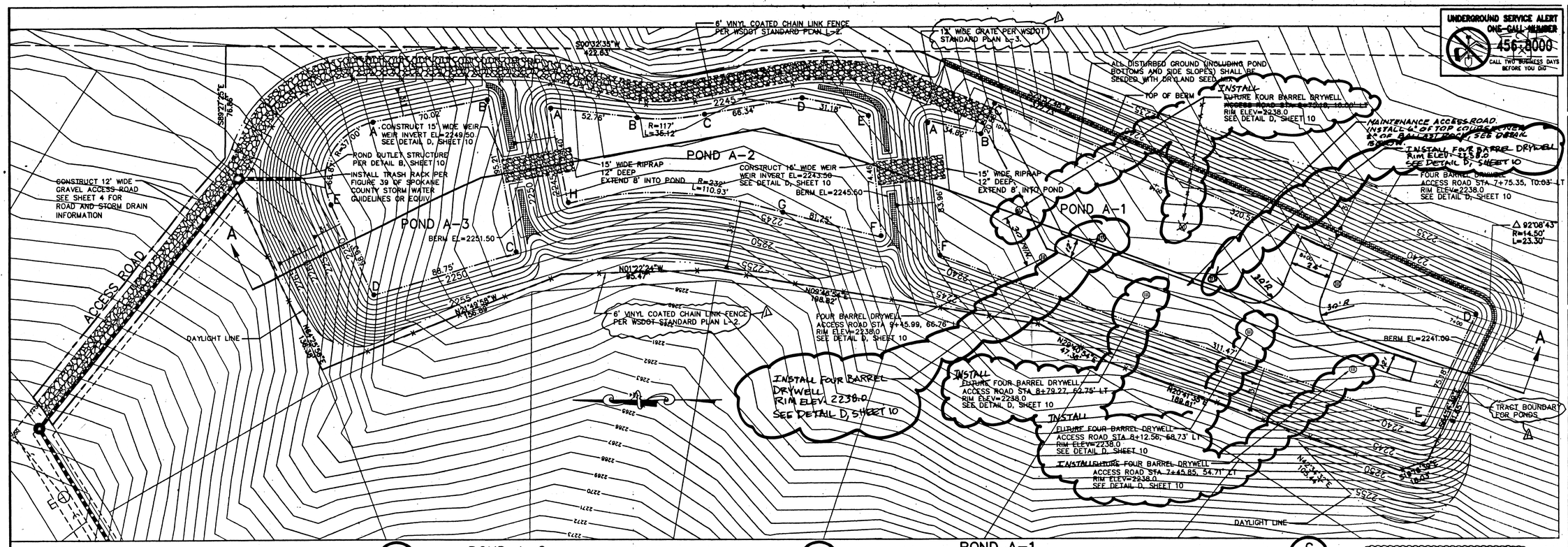
SCALE
HORIZ. N/A
VERT. N/A

WINDSOR RIDGE
FIRST AND SECOND ADDITIONS

ROAD AND DRAINAGE DETAILS

DETAIL
SHEET 14 / 16

P1769A Eng Road & Drainage
& P1769B



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	11+15.75	113.54' LT
E	15+02.73	61.44' LT

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

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

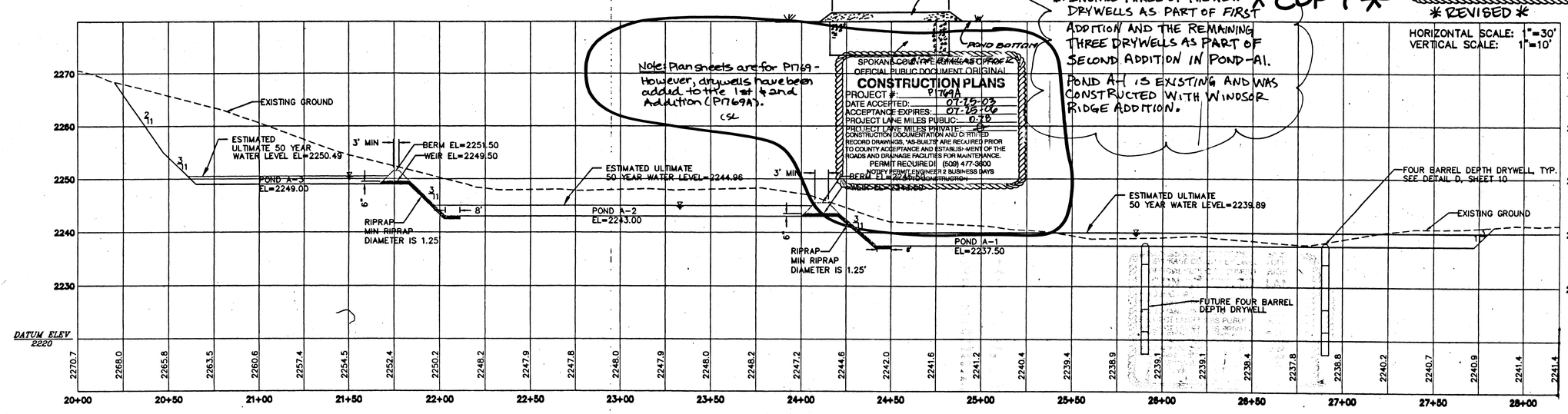
NOTE:
1. INSTALL THREE OF THE NEW DRYWELLS AS PART OF FIRST ADDITION AND THE REMAINING THREE DRYWELLS AS PART OF SECOND ADDITION IN POND-A1.

POND A-1 IS EXISTING AND WAS CONSTRUCTED WITH WINDSOR RIDGE ADDITION.

* COPY *

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769
DATE ACCEPTED: 03-25-01
ACCEPTANCE EXPIRES: 03-25-04 CSL
PROJECT LANE MILES PUBLIC: 0.57
PROJECT LANE MILES PRIVATE: –
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477 3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

* REVISED *



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

SECTION A-A

Richard W. Dalton Mgr 10/15/01
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) 458-4840
Fax: (509) 458-5844

SCOTT A. RIVAS STATE OF WASHINGTON 36605 REGISTERED PROFESSIONAL ENGINEER 10-15-01
EXPIRES 01/26/

PREPARED UNDER THE DIRECT SUPERVISION OF SCOTT A. RIVAS, P.E. WASHINGTON REGISTRATION NO. 36605 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
05/16/01	COUNTY SUBMITTAL
08/01/01	COUNTY RESUBMITTAL
10/15/01	Revised Pond Trail, add trees
10/17/01	Revised ACCESS ROAD IN POND PER CO.

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

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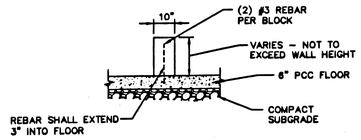
STREET CONSTRUCTION PLANS
WINDSOR RIDGE
POND DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 15/16

Sheet Title: POND DETAILS
15/16
9 OF 10
Sheet Number

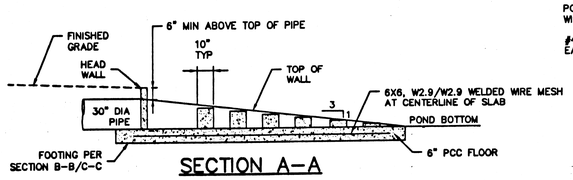
P-1769A
P-1769B
Eng Road & Drainage



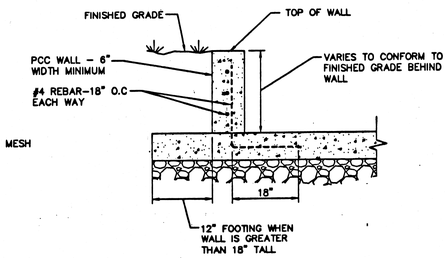
PCC BLOCK DETAIL

NOT TO SCALE

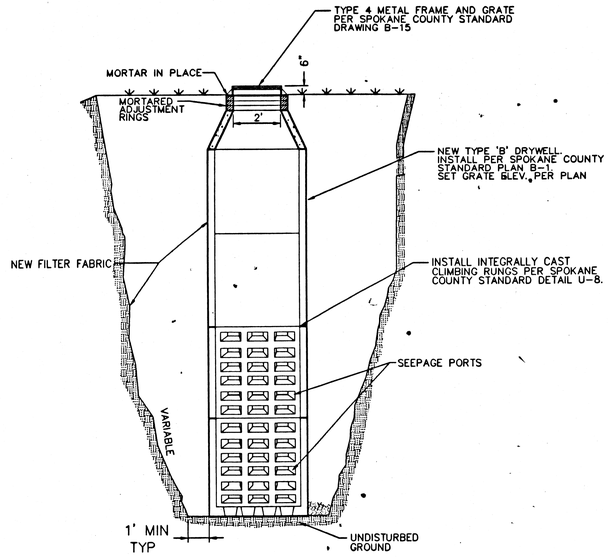
A



SECTION A–A



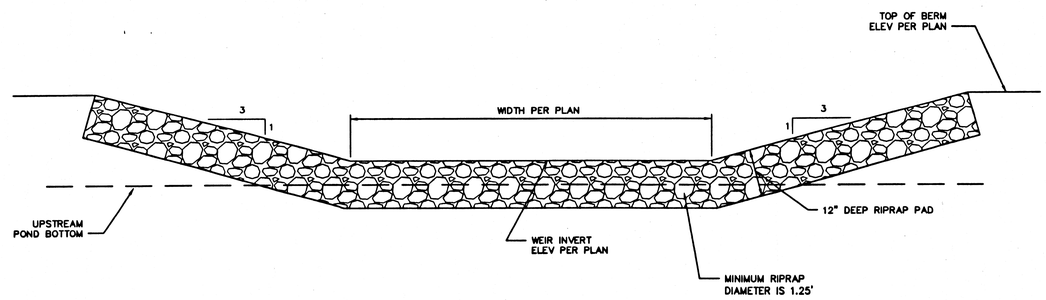
SECTION B–B/C–C



FOUR BARREL DRYWELL

SCALE 1"–10'

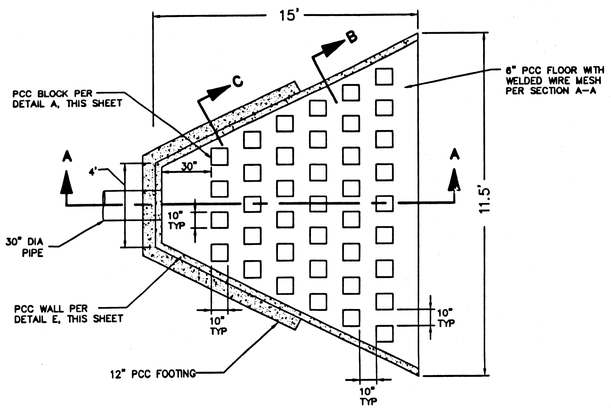
C



WEIR SECTION

NOT TO SCALE

D



ENERGY DISSIPATER OUTLET PLAN DETAIL

NOT TO SCALE

B

Note: Plan sheets are for P1769- However drywells have been added for 1st & 2nd Addition (P1769A) CSL

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769A
DATE ACCEPTED: 07-25-03
ACCEPTANCE EXPIRES: 07-25-06
PROJECT LANE MILES PUBLIC: 0.78
PROJECT LANE MILES PRIVATE: .8
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED: (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

* COPY *

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769
DATE ACCEPTED: 09-25-01
ACCEPTANCE EXPIRES: 09-25-04 CSL
PROJECT LANE MILES PUBLIC: 0.16
PROJECT LANE MILES PRIVATE: 0.41
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED: (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

DEVELOPER'S APPROVAL — DATE 9/24/03

P-1769A + P 1769B

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

SCOTT A. RIVAS — STATE OF WASHINGTON — 36605 — REGISTERED PROFESSIONAL ENGINEER — 9-24-03

EXPIRES 01/26/04

PREPARED UNDER THE DIRECT SUPERVISION OF SCOTT A. RIVAS, P.E. WASHINGTON REGISTRATION NO. 36605 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
05/16/01	COUNTY SUBMITTAL
08/07/01	COUNTY RESUBMITTAL
09/24/01	MYLARS
07/29/02	RECORD DRAWING BY TBI

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 16 / 16

Sheet Title: DRAINAGE DETAILS 16/16

Sheet Number: 10 OF 10

Eng Road & Drainage