COVER SHEET FOR
SUMMERWOOD SECOND ADDITION
STREET AND DRAINAGE PLANS

SE. 1/4 OF THE SW. 1/4 OF S. 22, T. 27 N., R. 43 E., W.M.
SPOKANE COUNTY, WASHINGTON

NAVD 88
BASED ON NGS BENCHMARK DESIGNATED "V-484" LOCATED NE OF THE INTERSECTION OF SR 24 & GREEN BLUFF ROAD, EL=1870.37.
PROJECT TBM-"X" IN BONNET BOLT OF FIRE HYDRANT AT NE CORNER OF BRIDLE TRAIL ROAD AND SADDLE HILL ROAD, EL.=1827.51.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
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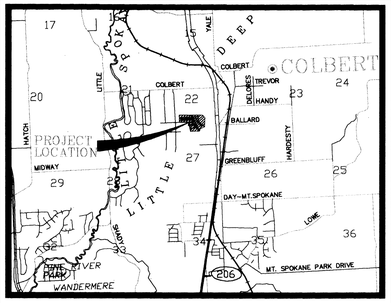
CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, WA 99204
Phone: (509) 458-6840
Fax: (509) 456-6844

RECORD DRAWING



VICINITY MAP

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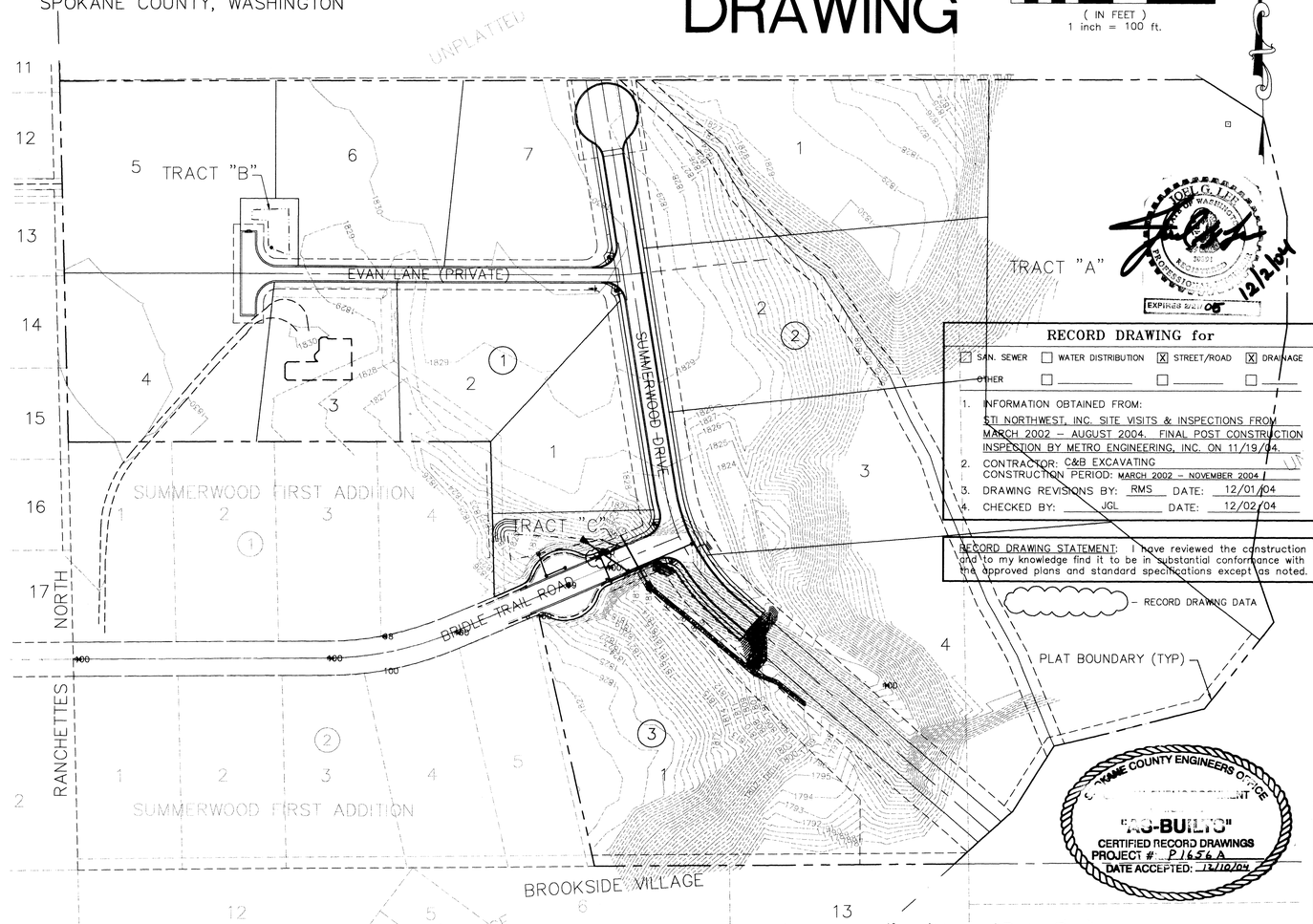
LEGEND

EXISTING		PROPOSED
	GENERAL	
	ROADWAY CENTER LINE	
	RIGHT OF WAY LINE	
	PROPERTY LINE	
	EASEMENT LINE	
x x	FENCE	x x
	CURB	
	PAVEMENT	
	GRAVEL	
	CONCRETE	
	BUILDINGS & STRUCTURES	
	WATER	
	WATER LINE	
WV	VALVE	V
FH	FIRE HYDRANT	FH
WS	SERVICE	
	STORM DRAINAGE	
	DRAINAGE LINE	
MH	MANHOLE	MH
DW	DRYWELL	DW
CB	CATCH BASIN	CB
	DITCH	
	TELEPHONE – POWER	
PP	POWER OR TELEPHONE POLE	



(See Approved Design Plans)

DEVELOPER'S APPROVAL DATE

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

THE ENGINEER'S SEAL WAS REMOVED DURING THE AS-BUILT PROCESS.

RECORD DRAWING for

☑ SAN. SEWER ☐ WATER DISTRIBUTION ☒ STREET/ROAD ☒ DRAINAGE
OTHER ☐ _____ ☐ _____ ☐ _____

1. INFORMATION OBTAINED FROM: STI NORTHWEST, INC. SITE VISITS & INSPECTIONS FROM MARCH 2002 – AUGUST 2004. FINAL POST CONSTRUCTION INSPESTION BY METRO ENGINEERING, INC. ON 11/19/04.
2. CONTRACTOR: C&B EXCAVATING
   CONSTRUCTION PERIOD: MARCH 2002 – NOVEMBER 2004
3. DRAWING REVISIONS BY: RMS DATE: 12/01/04
4. CHECKED BY: JGL DATE: 12/02/04

RECORD DRAWING STATEMENT: I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved plans and standard specifications except as noted.

Date	Description
11/20/01	ORIGINAL PREPARATION
1/16/02	FIRST SUBMITTAL
2/18/02	SECOND SUBMITTAL
03/04/02	FINAL SUBMITTAL
04/30/04	RECORD DRAWING by STI Northwest, Inc.

Project Number: DN-1656.92
CLC Job Number: S990274
Drawn By: SMM
Designed By: SKM
Checked By: DNR

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STREET CONSTRUCTION PLANS
SUMMERWOOD SECOND ADDITION
COVER SHEET
SPOKANE COUNTY, WASHINGTON

Sheet Title
COVER SHEET

1 of 4
Sheet Number

STORM DRAINAGE NOTES

1. SEE STREET PLAN AND PROFILE SHEETS FOR DRYWELL AND CATCH BASIN TYPES AND LOCATIONS.
2. PONDS SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THESE DRAWINGS INCLUDING GRADING, SOD, AND DRYWELL INSTALLATION. ALL PONDS WITHIN TRACTS SHALL INCLUDE AN IRRIGATION SYSTEM. ALL IRRIGATION SHALL CONFORM TO SPOKANE COUNTY POND IRRIGATION SYSTEM GUIDELINES.
3. ALL "208" PONDS SHOWN SHALL BE ROUGH GRADED PRIOR TO PAVING OF ADJACENT ROADWAY.
4. CONTRACTOR SHALL PROVIDE SPOKANE COUNTY WITH AS-BUILT IRRIGATION PLANS UPON COMPLETION OF ALL POND CONSTRUCTION.
5. INSTALL "AMOCO" #4545 FILTER FABRIC (OR APPROVED EQUAL) IN ALL DRYWELLS. SEE SPOKANE COUNTY STANDARDS (2001 EDITION) SHEET B-1a FOR INSTALLATION LOCATIONS.
6. ALL PONDS WITHIN THE COUNTY RIGHT-OF-WAY, IN THE AREA ASSOCIATED WITH THIS PROJECT, SHALL BE COMPLETED DURING THE CONSTRUCTION OF THE ROADWAY. THE CONTRACTOR SHALL PERFORM THE POND GRADE WORK, INSTALL THE IRRIGATION SYSTEM, AND PLACE THE SOD WITHIN THE PONDS FOLLOWING THE ROAD PAVING WORK.
7. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL DRAINAGE STRUCTURES FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC UNDER THE LID FOR AT LEAST 6 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED.

IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS, THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN OUT TO THE SATISFACTION OF THE CERTIFYING ENGINEER.

GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN COUNTY REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY THE COUNTY INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY ENGINEER OF RECORD.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE COUNTY INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE COUNTY AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES, WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH M.U.T.C.D. TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY COUNTY FOR APPROVAL, PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
10. 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, CONSTRUCTED, REMOVED AND RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, AND AVAILABLE TO THE COUNTY INSPECTOR AT ALL TIMES.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE CONSULTANT ENGINEER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE RECORD DRAWINGS.
14. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
15. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES.
16. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE COUNTY ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
17. THE CONTRACTOR SHALL SUBMIT A PHASING PLAN FOR ALL WORK IN PUBLIC ROADS AND R.O.W.'S TO THE COUNTY BEFORE BEGINNING ANY WORK ON THESE ROADS. CONTRACTOR SHALL BEGIN WORK ONLY AFTER THE COUNTY APPROVES THE PHASING PLAN, AND A PRECONSTRUCTION MEETING IS HELD BETWEEN THE COUNTY THE ENGINEER AND THE CONTRACTOR.
18. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE PERIOD BETWEEN 6:00 A.M. AND 10:00 P.M. EVERYDAY UNLESS OTHERWISE APPROVED BY THE COUNTY.
19. BASED ON A REQUIREMENT FROM A LOCAL JURISDICTION THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWINGS TO THE COUNTY ENGINEER.
20. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.
21. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.

STREET GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 2001", AND AS AMENDED.
2. THE CONTRACTOR IS REQUIRED TO HAVE A VALID CONSTRUCTION PERMIT ON SITE AT ALL TIMES. THE ABSENCE OF THE PERMIT WILL RESULT IN AN IMMEDIATE SHUTDOWN OF WORK AND THE POSSIBLE REMOVAL OF THOSE ITEMS CONSTRUCTED WITHOUT THE PERMIT.
3. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
4. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
5. FOR ANY CURB GRADES LESS THAN 0.8% (0.0080 FT./FT.), A WASHINGTON STATE PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADE NOTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB CONCRETE. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.
6. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, SUSAN MURPHY, @ 458-6840, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, STI NORTHWEST, INC. @ 534-9711 AND THE SPOKANE COUNTY ENGINEER'S OFFICE, CONSTRUCTION ENGINEER, @ 477-3600.
7. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC, "AMOCO" 4545 OR APPROVED EQUIVALENT, BETWEEN THE DRYWELL BARREL AND THE WASHED DRAINROCK AND BETWEEN THE WASHED DRAINROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD DETAIL B-1.
8. 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.
9. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS-GUTTER FORMS ARE THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS-GUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE GUTTER.
10. ALL DRYWELL CONNECTION PIPES SHALL BE PLACED BELOW THE DRYWELL CONE AND SHALL FLOW AS DIRECTED IN THE PLANS.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THE ESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED OR CONSTRUCTED, UNLESS SPECIFICALLY NOTED OTHERWISE.

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

*DRYLAND GRASS SEED MIX

SPOKANE COUNTY PUBLIC WORKS, FEBURARY 1998
GRASS SEED: PROVIDE FRESH, CLEAN, NEW CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

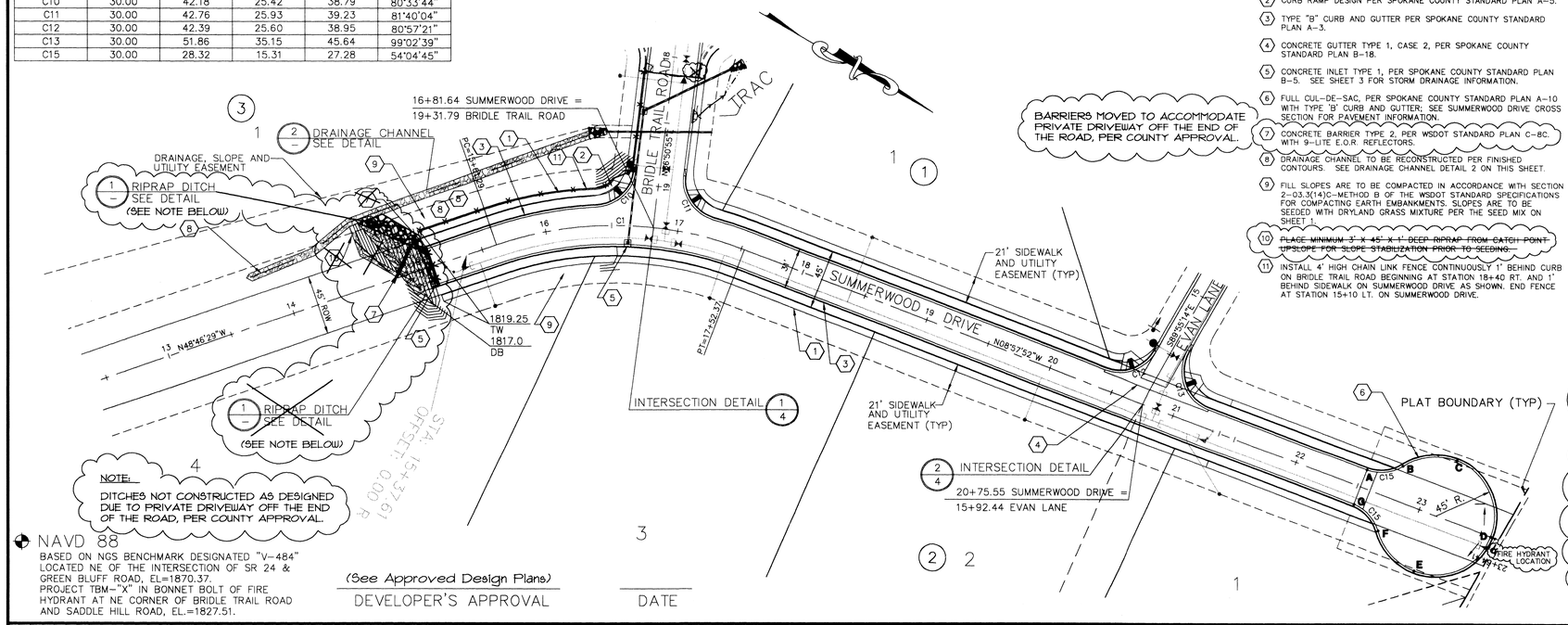
20%	ELKA PERENNIAL RYE
20%	DURAR HARD FESCUE
45%	COVAR SHEEP/FESCUE
15%	REUBENS CANADIAN BLUEGRASS

PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:
GRASS SEED: 90 LBS. PER ACRE
FERTILIZER: 16-16-16 TIMED RELEASE COMPOSITION, 300 LBS. PER ACRE
ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE W.S.D.O.T. STANDARD SPECIFICATIONS, SEC. 8-01.

P-1656A Eng. As Built

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	275.00	191.07	99.58	187.25	39°48'36"
C10	30.00	42.18	25.42	38.79	80°33'44"
C11	30.00	42.76	25.93	39.23	81°40'04"
C12	30.00	42.39	25.60	38.95	80°57'21"
C13	30.00	51.86	35.15	45.64	99°02'39"
C15	30.00	28.32	15.31	27.28	54°04'45"

SE. 1/4 OF THE SW. 1/4 OF S. 22, T. 27 N., R. 43 E., W.M.
SPOKANE COUNTY, WASHINGTON



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BASED ON NGS BENCHMARK DESIGNATED "V-484" LOCATED NE OF THE INTERSECTION OF SR 24 & GREEN BLUFF ROAD, EL=1870.37.
PROJECT TBM-"X" IN BONNET BOLT OF FIRE HYDRANT AT NE CORNER OF BRIDLE TRAIL ROAD AND SADDLE HILL ROAD, EL.=1827.51.

(See Approved Design Plans)
DEVELOPER'S APPROVAL

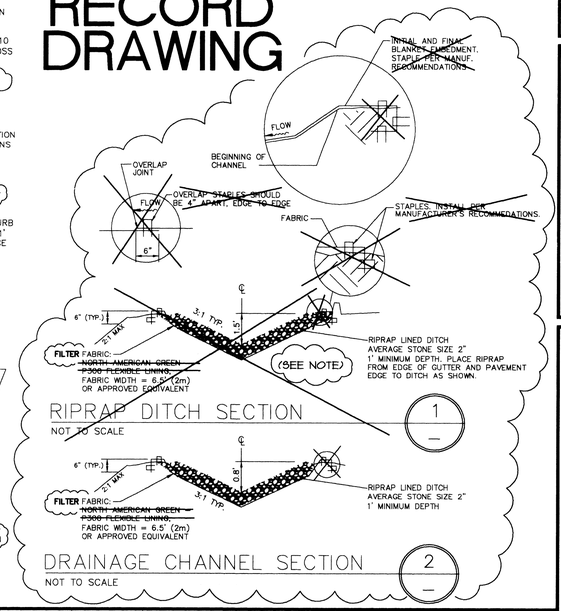
DATE

CONSTRUCTION NOTES:

1. 5' SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
2. CURB RAMP DESIGN PER SPOKANE COUNTY STANDARD PLAN A-5.
3. TYPE "B" CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3.
4. CONCRETE GUTTER TYPE 1, CASE 2, PER SPOKANE COUNTY STANDARD PLAN B-18.
5. CONCRETE INLET TYPE 1, PER SPOKANE COUNTY STANDARD PLAN B-5. SEE SHEET 3 FOR STORM DRAINAGE INFORMATION.
6. FULL CUL-DE-SAC, PER SPOKANE COUNTY STANDARD PLAN A-10 WITH TYPE "B" CURB AND GUTTER; SEE SUMMERWOOD DRIVE CROSS SECTION FOR PAVEMENT INFORMATION.
7. CONCRETE BARRIER TYPE 2, PER WSDOT STANDARD PLAN C-8C. WITH 9-LITE E.O.R REFLECTORS.
8. DRAINAGE CHANNEL TO BE RECONSTRUCTED PER FINISHED CONTOURS. SEE DRAINAGE CHANNEL DETAIL 2 ON THIS SHEET.
9. FILL SLOPES ARE TO BE COMPACTED IN ACCORDANCE WITH SECTION 2-03.3(14)C-METHOD B OF THE WSDOT STANDARD SPECIFICATIONS FOR COMPACTING EARTH EMBANKMENTS. SLOPES ARE TO BE SEEDED WITH DRYLAND GRASS MIXTURE PER THE SEED MIX ON SHEET 1.
10. ~~PLACE MINIMUM 3' X 45' X 1' DEEP RIPRAP FROM CATCH POINT UPSLOPE FOR SLOPE STABILIZATION PRIOR TO SEEDING.~~
11. INSTALL 4' HIGH CHAIN LINK FENCE CONTINUOUSLY 1' BEHIND CURB ON BRIDLE TRAIL ROAD BEGINNING AT STATION 18+40 RT. AND 1' BEHIND SIDEWALK ON SUMMERWOOD DRIVE AS SHOWN. END FENCE AT STATION 15+10 LT. ON SUMMERWOOD DRIVE.

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

RECORD DRAWING



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Phone: (509) 458-8840
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ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

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THE ENGINEER'S SEAL WAS REMOVED DURING THE AS-BUILT PROCESS.

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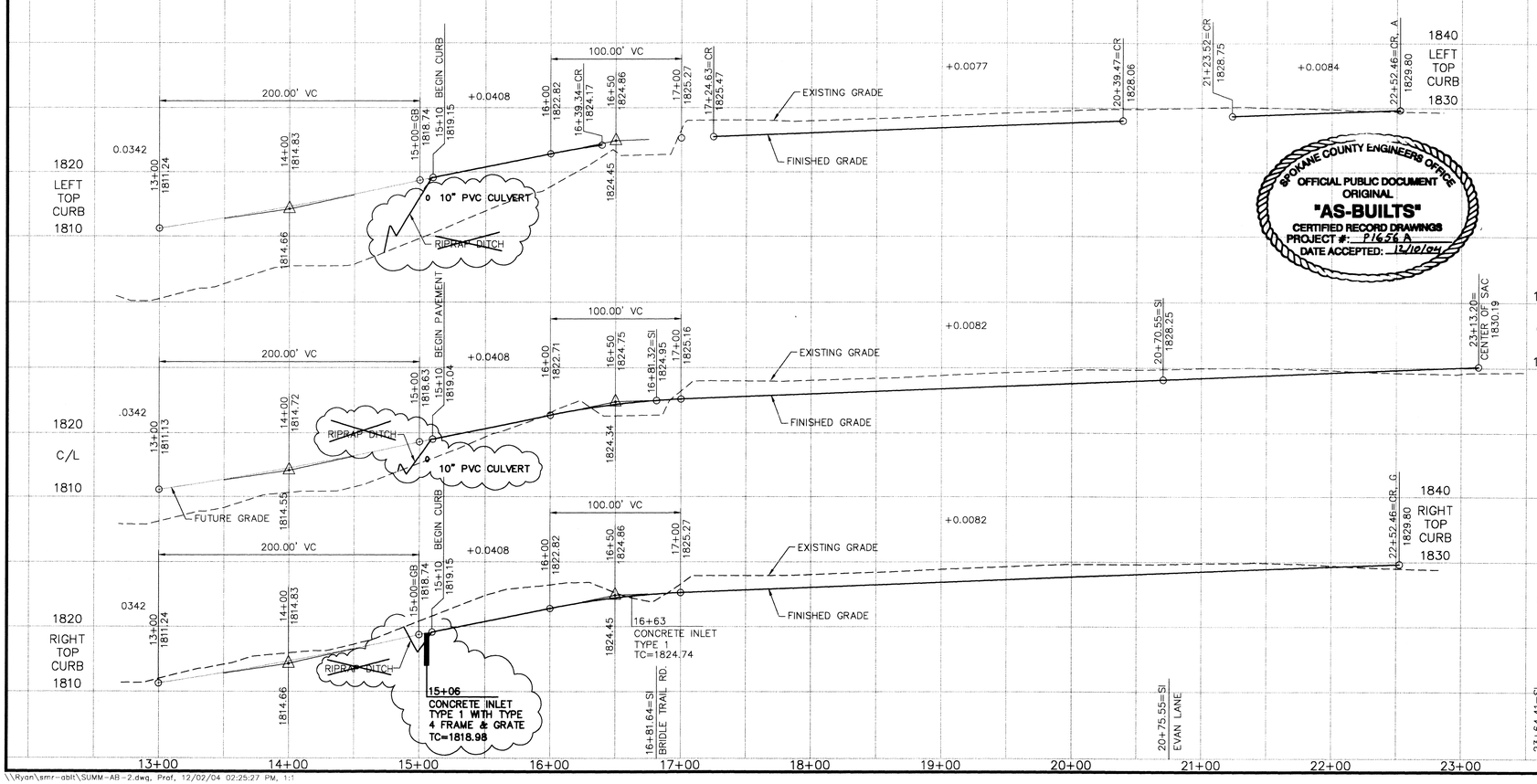
2/18/02	SECOND SUBMITTAL
3/04/02	FINAL SUBMITTAL
04/30/04	RECORD DRAWING by STI Northwest, Inc.

VERTICAL SCALE: 1"=10'



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1656 A
DATE ACCEPTED: 12/10/04

RECORD DRAWING for

☐ SAN. SEWER ☐ WATER DISTRIBUTION ☒ STREET/ROAD ☒ DRAINAGE
OTHER ☐ ☐ ☐

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RECORD DRAWING DATA

TODD G. LEE
STATE OF WASHINGTON
36121
PROFESSIONAL ENGINEER
12/8/04
EXPIRES 2/21/05

Project Number: DN-1656.92
CLC Job Number: S990274
Drawn By: MJP,SMM
Designed By: SKM
Checked By: DNR

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STREET CONSTRUCTION PLANS
SUMMERWOOD SECOND ADDITION
SUMMERWOOD DRIVE
STA 13+00 TO STA 23+64.41
SPOKANE COUNTY, WASHINGTON

Sheet Title
SUMMERWOOD DRIVE PLAN AND PROFILE

\\Ryan\smr-abit\SUMM-AB-2.dwg, Prof, 12/02/04 02:25:27 PM, 1:1

P-1656A Eng As-Built

SE. 1/4 OF THE SW. 1/4 OF S. 22, T. 27 N., R. 43 E., W.M.
SPOKANE COUNTY, WASHINGTON

LEGEND

TO BE REMOVED

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

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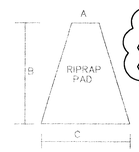
C11	30.00	42.76	25.93	39.23	81°40'04"
C12	30.00	42.39	25.60	38.95	80°57'21"
C13	30.00	51.86	35.15	45.64	99°02'39"
C14	30.00	47.12	30.00	42.43	90°00'00"



RIPRAP PAD DIMENSIONS		A	B	C
11	POND 'C'	3'	8'	10'
12	DITCH	5'	15'	10'

PLAN VIEW– RIPRAP PAD (1/—)
NOT TO SCALE

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

RECORD DRAWING for

☐ SAN. SEWER ☐ WATER DISTRIBUTION ☒ STREET/ROAD ☒ DRAINAGE
OTHER ☐ _____ ☐ _____ ☐ _____

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– RECORD DRAWING DATA

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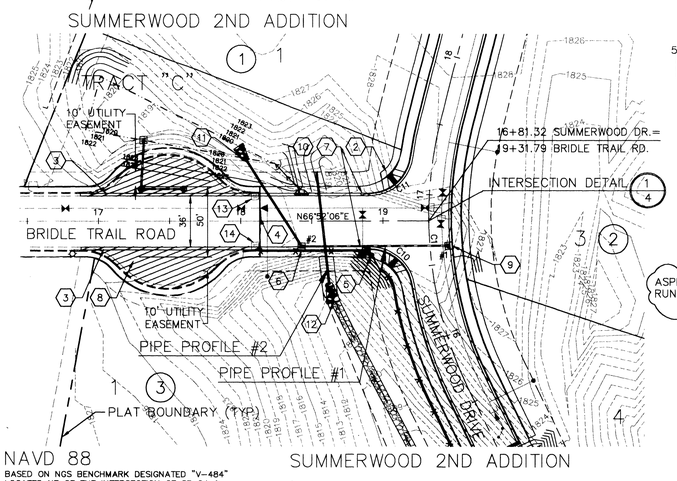
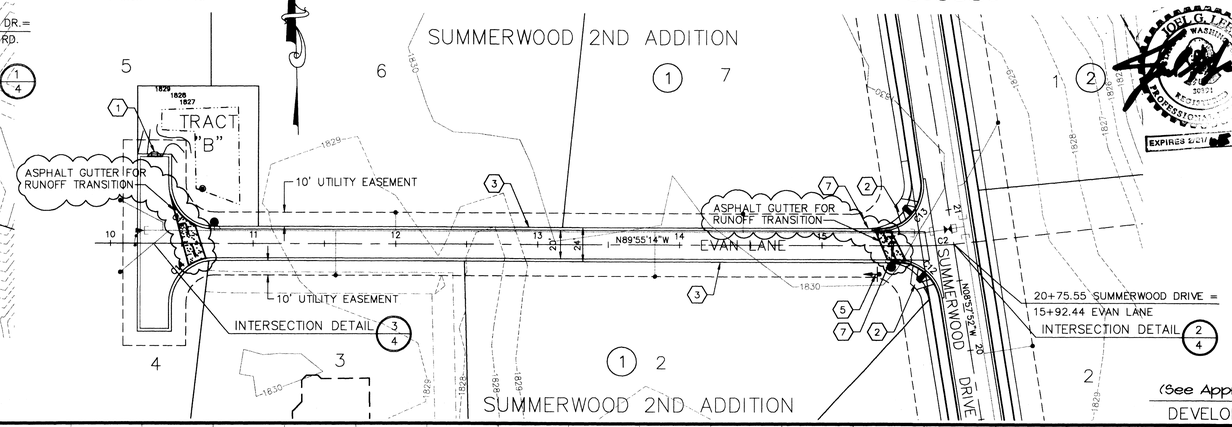
Spokane, WA 99204
Phone: (509) 458-8840
Fax: (509) 458-8844

CONSTRUCTION NOTES:

1. SEE DETAIL 5, SHEET 4.
2. CURB RAMP DESIGN PER SPOKANE COUNTY STANDARD PLAN A-5.
3. TYPE "R" CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3.
4. SAWCUT AND MATCH TO EXISTING, CONTRACTOR TO VERIFY EXISTING CURB ELEVATIONS PRIOR TO CONSTRUCTION.
5. STREET SIGN PER SPOKANE COUNTY STANDARDS AND M.U.T.C.D.
6. CONCRETE INLET TYPE 2 W/TYPE 2 METAL FRAME & TYPE 3 GRATE, PER SPOKANE COUNTY STANDARD PLAN B-6, B-11, & B-14. SEE GUTTER INLET DETAIL 7, SHEET 4.
7. CURB TRANSITION FROM TYPE "R" TO TYPE "B". SEE DETAIL 4, SHEET 4.
8. REMOVE CURB, SAWCUT PAVEMENT, AND REMOVE AS SHOWN; INSTALL CURB TO MATCH EXISTING PER CROSS SECTION ON SHEET 4.
9. CONCRETE INLET TYPE 1, TYPE 2 METAL FRAME, & TYPE 1 METAL GRATE, PER SPOKANE COUNTY STANDARD PLAN B-5, B-11, & B-12. SEE PIPE PROFILE #1 THIS SHEET.
10. CURB INLET TYPE 1, PER SPOKANE COUNTY STANDARD PLAN B-8. SEE DETAIL 6 & 8 SHEET 4 FOR MORE INFORMATION.
11. RIPRAP OUTFALL: 1' THICKNESS, 11" MINIMUM STONE SIZE. SEE DETAIL 1 THIS SHEET FOR DIMENSIONS.
12. RIPRAP OUTFALL: 1' THICKNESS, 11" MINIMUM STONE SIZE. SEE DETAIL 1 THIS SHEET FOR DIMENSIONS.
13. EXISTING TYPE B DRYWELL W/TYPE 1 FRAME AND TYPE 2 GRATE.(DESIGN)
14. EXISTING TYPE 1 INLET W/TYPE 1 FRAME AND TYPE 2 GRATE W/12" CMP FROM INLET TO DRYWELL AT 2% MIN. SLOPE, L=34'.(DESIGN)



NAVD 88
BASED ON NGS BENCHMARK DESIGNATED "V-484" LOCATED NE OF THE INTERSECTION OF SR 24 & GREEN BLUFF ROAD. EL=1870.37. PROJECT TBM-"X" IN BONNET BOLT OF FIRE HYDRANT AT NE CORNER OF BRIDLE TRAIL ROAD AND SADDLE HILL ROAD, EL.=1827.51.



(See Approved Design Plans)
DEVELOPER'S APPROVAL DATE

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

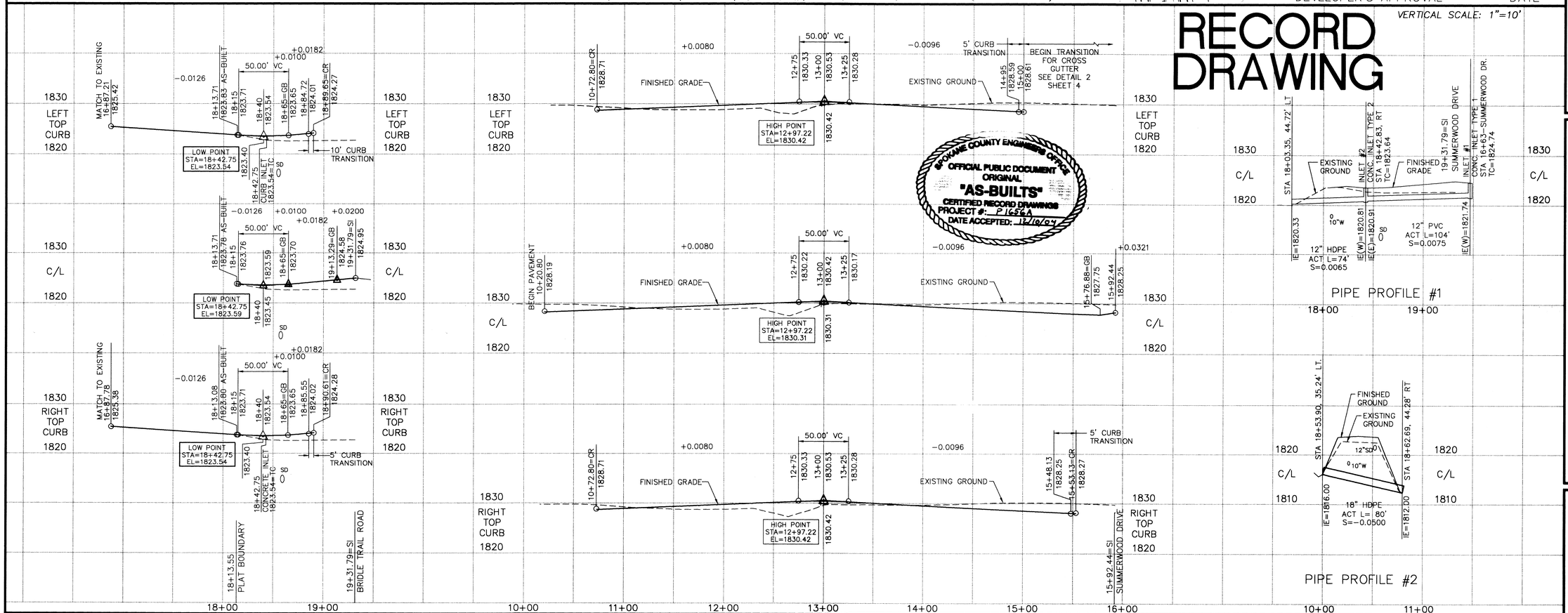
THE ENGINEER'S SEAL WAS REMOVED DURING THE AS-BUILT PROCESS.

JOBLG JR. WASHINGTON 26921 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 12/21/04

Date	Description
11/20/01	ORIGINAL PREPARATION
12/14/01	PRELIM. SUBMITTAL
2/18/02	SECOND SUBMITTAL
02/04/02	FINAL SUBMITTAL
04/30/04	RECORD DRAWING by STI Northwest, Inc. by STI Northwest, Inc.

RECORD DRAWING

VERTICAL SCALE: 1"=10'



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1656A
DATE ACCEPTED: 12/10/04

Project Number: DN-1656-92
CLC Job Number: S990274
Drawn By: MJP,SMM
Designed By: SKM
Checked By: DNR

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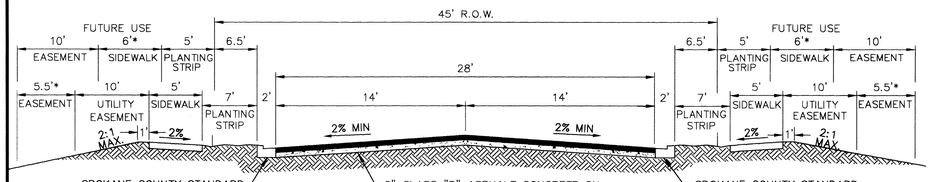
STREET CONSTRUCTION PLANS
SUMMERWOOD SECOND ADDITION
BRIDLE TRAIL ROAD STA 18+13.55 TO 19+31.79
EVAN LANE STA 10+20+80 TO 15+92.44
SPOKANE COUNTY, WASHINGTON

\\Ryan\smr-abit\SUMM-AB-3.dwg, Prof, 12/02/04 02:34:14 PM, 1:1

P-1656A Eng As-Built

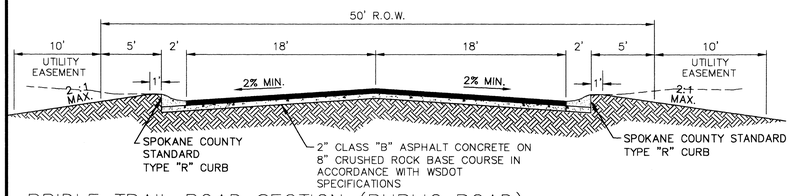
SE. 1/4 OF THE SW. 1/4 OF S. 22, T. 27 N., R. 43 E., W.M.
SPOKANE COUNTY, WASHINGTON

RECORD DRAWING



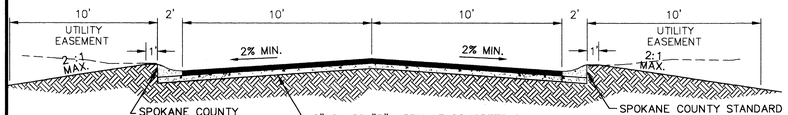
SUMMERWOOD DRIVE ROAD SECTION (PUBLIC ROAD)

NOT TO SCALE * NOTE: ADDITIONAL EASEMENT AREA GRANTED FOR FUTURE COLLECTOR ARTERIAL SECTION.



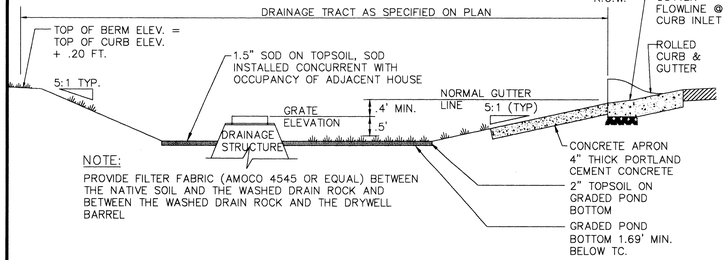
BRIDLE TRAIL ROAD SECTION (PUBLIC ROAD)

NOT TO SCALE



EVAN LANE SECTION (PRIVATE ROAD)

NOT TO SCALE

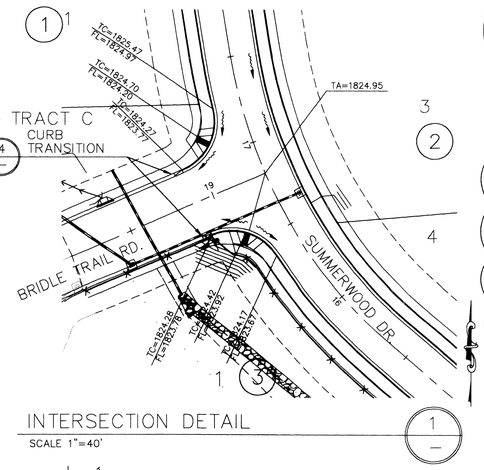


NOTE:
PROVIDE FILTER FABRIC (AMOCO 4545 OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK AND BETWEEN THE WASHED DRAIN ROCK AND THE DRYWELL BARREL

** WARNING – THE USE OF SILTY LOAM IS PROHIBITED AS POND BOTTOM MATERIAL

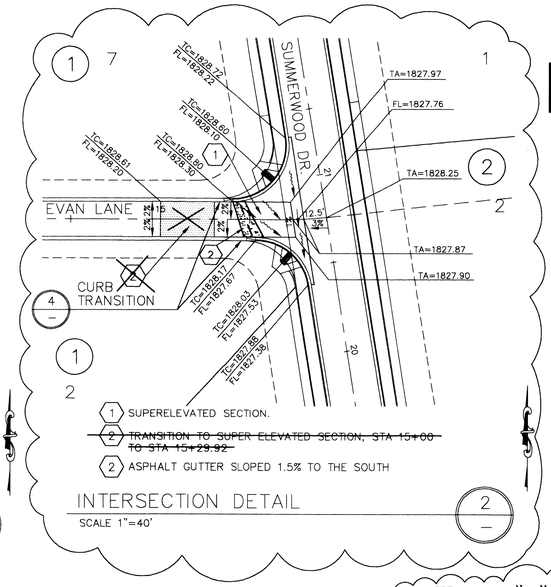
STORM DRAINAGE POND WITH DRAINAGE STRUCTURE

NOT TO SCALE



INTERSECTION DETAIL (1)

SCALE 1"=40'



INTERSECTION DETAIL (2)

SCALE 1"=40'

RECORD DRAWING DATA

RECORD DRAWING for

☐ SAN. SEWER ☐ WATER DISTRIBUTION ☒ STREET/ROAD ☒ DRAINAGE
OTHER ☐ ☐

1. INFORMATION OBTAINED FROM: STI NORTHWEST, INC. SITE VISITS & INSPECTIONS FROM MARCH 2002 – AUGUST 2004. FINAL POST CONSTRUCTION INSPECTION BY METRO ENGINEERING, INC. ON 11/19/04.
2. CONTRACTOR: C&B EXCAVATING
   CONSTRUCTION PERIOD: MARCH 2002 – NOVEMBER 2004
3. DRAWING REVISIONS BY: RMS DATE: 12/01/04
4. CHECKED BY: JGL DATE: 12/02/04

RECORD DRAWING STATEMENT: I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved plans and standard specifications except as noted.

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

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

THE ENGINEER'S SEAL WAS REMOVED DURING THE AS-BUILT PROCESS.

12/10/04

EXPIRES 12/31/05

Date	Description
11/20/01	ORIGINAL PREPARATION
1/16/02	FIRST SUBMITTAL
2/18/02	SECOND SUBMITTAL
03/04/02	FINAL SUBMITTAL
04/30/04	RECORD DRAWING by STI Northwest, Inc.

Project Number: PN-1656-92
CLC Job Number: 99274
Drawn By: SMM
Designed By: SKM
Checked By: DNR

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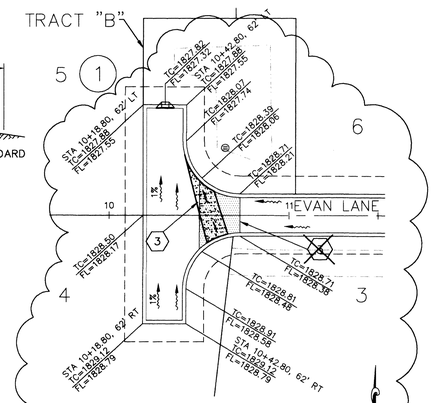
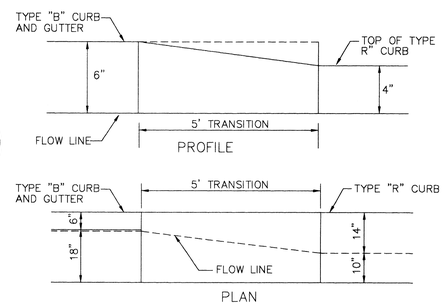


INTERSECTION DETAIL (3)

SCALE 1"=40'

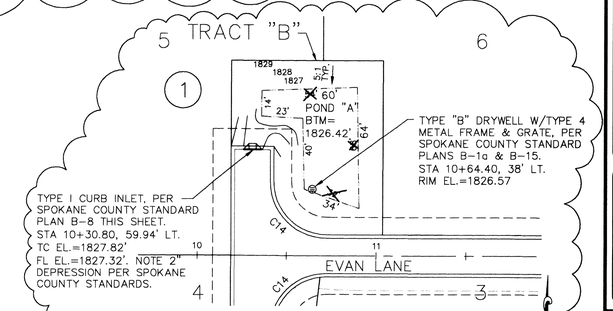


"TYPE B" TO "TYPE R" CURB TRANSITION DETAIL (4)

NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1656A
DATE ACCEPTED: 12/10/04

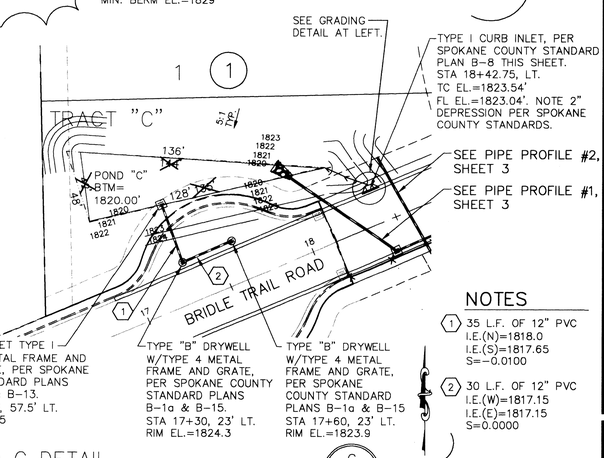
(See Approved Design Plans)
DEVELOPER'S APPROVAL DATE



POND B DETAIL (5)

1"=20'

POND BOTTOM EL.=1826.07'
POND BOTTOM AREA=~~2243 S.F.~~ 2447 S.F.
PREIMETER=~~231 L.F.~~ 235 L.F.
PROVIDED STORM VOLUME=~~2820 C.F.~~ 2963 C.F.
MIN. BERM EL.=1829'



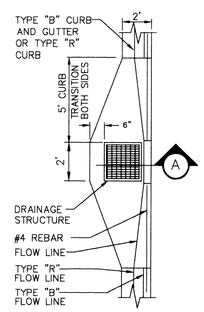
POND C DETAIL (6)

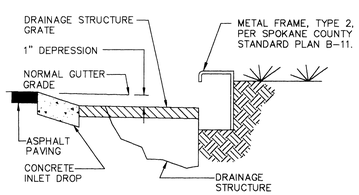
1"=20'

POND BOTTOM EL.=1820.0
POND BOTTOM AREA=~~2831 S.F.~~ 3072 S.F.
PERIMETER = ~~313 L.F.~~ 312 L.F.
PROVIDED STORM VOLUME=~~3613 C.F.~~ 3754 C.F.
MIN. BERM EL.=1823.0

NOTES

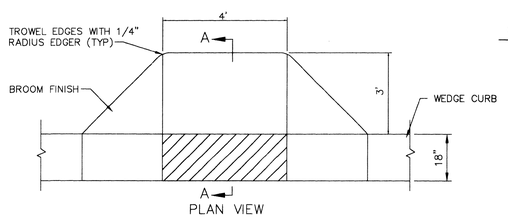
1. 35 L.F. OF 12" PVC
   I.E.(N)=1818.0
   I.E.(S)=1817.65
   S=-0.0100
2. 30 L.F. OF 12" PVC
   I.E.(W)=1817.15
   I.E.(E)=1817.15
   S=0.0000

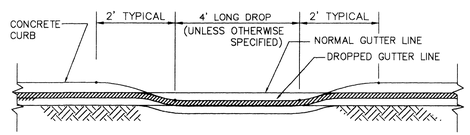


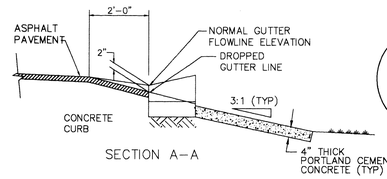


GUTTER INLET DETAIL (7)

NOT TO SCALE







CURB INLET DETAIL (8)

NOT TO SCALE

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STREET CONSTRUCTION PLANS
SUMMERWOOD SECOND ADDITION
DETAILS
SPOKANE COUNTY, WASHINGTON

Sheet Title
DETAILS

4 of 4
Sheet Number

P-1656A Eng As-Builts

\\Ryan\smr-ablt\SUMM-AB-4.dwg, detail, 12/02/04 02:41:21 PM, 1:1

SE. 1/4 OF THE SW. 1/4 OF S. 22, T. 27 N., R. 43 E., W.M.
SPOKANE COUNTY, WASHINGTON

RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
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Spokane, WA 99204
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RECORD DRAWING for

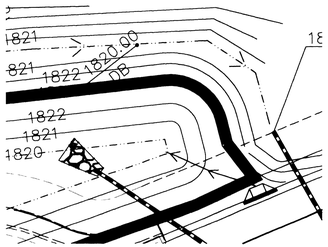
☐ SAN. SEWER ☐ WATER DISTRIBUTION ☒ STREET/ROAD ☒ DRAINAGE
OTHER ☐ _____ ☐ _____ ☐ _____

1. INFORMATION OBTAINED FROM: STI NORTHWEST, INC. SITE VISITS & INSPECTIONS FROM MARCH 2002 – AUGUST 2004. FINAL POST CONSTRUCTION INSPECTION BY METRO ENGINEERING, INC. ON 11/19/04.
2. CONTRACTOR: C&B EXCAVATING
   CONSTRUCTION PERIOD: MARCH 2002 – NOVEMBER 2004
3. DRAWING REVISIONS BY: RMS DATE: 12/01/04
4. CHECKED BY: JGL DATE: 12/02/04

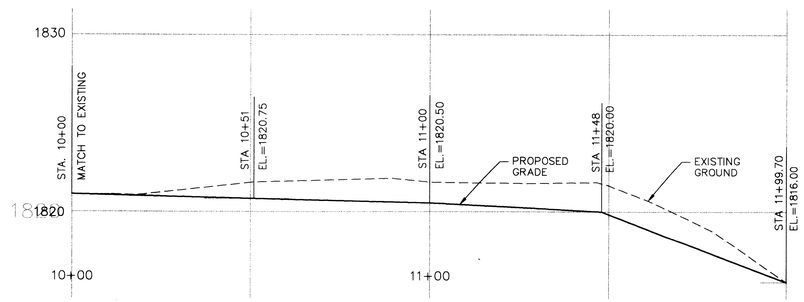
RECORD DRAWING STATEMENT: I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved plans and standard specifications except as noted.

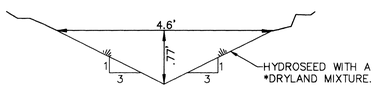
JOHN G. LEE, WASHINGTON, 30591, REGISTERED PROFESSIONAL ENGINEER, EXPIRES 2/21/05 — 12/2/04

– RECORD DRAWING DATA



GRADING DETAIL
NOT TO SCALE





*DRYLAND GRASS SEED MIX

SPOKANE COUNTY PUBLIC WORKS, FEBURARY 1998

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

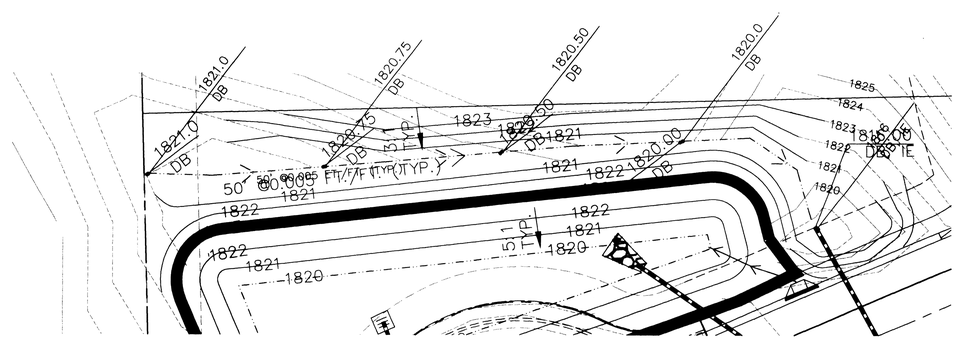
20%	ELKA PERENNIAL RYE
20%	DURAR HARD FESCUE
45%	COVAR SHEEP/FESCUE
15%	REUBENS CANADIAN BLUEGRASS

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

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

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

BYPASS DITCH — A
NO SCALE



BYPASS DITCH DETAIL — 3
1"=20'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1656 A
DATE ACCEPTED: 12/10/04

Date	Description
11/20/01	ORIGINAL PREPARATION
1/18/02	FIRST SUBMITTAL
2/18/02	SECOND SUBMITTAL
03/04/02	FINAL SUBMITTAL
04/08/02	REVISED POND "C" DETAIL
04/30/04	RECORD DRAWING by STI Northwest, Inc. by STI Northwest, Inc.

Project Number: PN-1656-92
CLC Job Number: 99274
Drawn By: SMM
Designed By: SKM
Checked By: DNR

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STREET CONSTRUCTION PLANS
SUMMERWOOD SECOND ADDITION
DETAILS
SPOKANE COUNTY, WASHINGTON

DETAILS
4A of 4
Sheet Number

(See Approved Design Plans)
DEVELOPER'S APPROVAL — DATE

P-1656 A Eng As Builts

\\Ryan\smr-abl:\SUMM-AB-4A.dwg, detail, 12/02/04 02:47:11 PM, 1:1