

COVER SHEET FOR FRASER ESTATES STREET AND DRAINAGE PLANS

SW. 1/4 SEC. 32, T. 26 N., R. 44 E., W.M.
SPOKANE COUNTY, WASHINGTON

RECORD DRAWING

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



PREPARED UNDER THE DIRECT SUPERVISION OF DAVID N. RANDALL, P.E. WASHINGTON REGISTRATION NO. 1884 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

DATE: 9/27/04
DESCRIPTION: PRELIMINARY SUBMITTAL FOR SECOND SUBMITTAL OF RECORD DRAWINGS BY ALLWEST TESTING AND ENGINEERING

SPOKANE COUNTY No. P-1864
CLC Job Number: 5990126
Drawn By: RLM
Designed By: RLM
Checked By: DNR

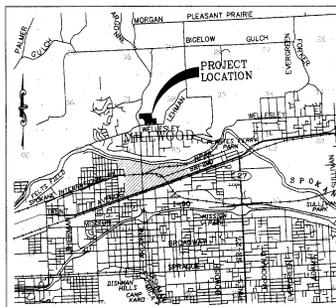
STREET AND DRAINAGE CONSTRUCTION PLANS
FRASER ESTATES
COVER SHEET
SPOKANE COUNTY, WASHINGTON

Sheet Title
STREET AND DRAINAGE
COVER SHEET
C1.00
Project Number

INDEX TO PLAN SHEETS

- SHEET C1.00 COVER SHEET
- SHEET C1.01 OVERALL STREET PLAN
- SHEET C1.01A DRAINAGE—STREET—GENERAL NOTES
- SHEET C1.02 SECTIONS AND DETAILS
- SHEET C1.03 GRADING PLAN
- SHEET C1.04 WELLESLEY AVENUE,
STA. 10+00.00 TO STA. 21+00.00
- SHEET C1.05 WELLESLEY AVENUE,
STA. 21+00.00 TO STA. 31+78.09
- SHEET C1.06 WILLOW ROAD,
STA. 10+00.00 TO STA. 15+25.00
- SHEET C1.07 PRINCETON AVENUE,
STA. 10+00.00 TO STA. 15+13.00
- SHEET C1.08 MAPLE COURT,
STA. 10+00.00 TO STA. 11+98.70
- SHEET C1.09 DRAINAGE DETAILS
- SHEET C1.10 DRAINAGE DETAILS
- SHEET C1.11 CHANNELIZATION
- EROSION AND SEDIMENT CONTROL
- SHEET C1.12 EROSION CONTROL
- SHEET C1.13 EROSION CONTROL

LEGEND		PROPOSED
EXISTING	GENERAL	
---	ROADWAY CENTER LINE	---
---	RIGHT OF WAY LINE	---
---	PROPERTY LINE	---
---	EASEMENT LINE	---
---	FENCE	---
---	CURB	---
---	PAVEMENT	---
---	CONCRETE BUILDINGS & STRUCTURES	---
---	SANITARY SEWER	---
---	MANHOLE	---
---	SEWER SERVICE	---
---	MANHOLE COORDINATE	---
---	WATER	---
---	WATER LINE	---
---	VALVE	---
---	FIRE HYDRANT	---
---	SERVICE	---
---	METERS	---
---	AIR VACUUM RELIEF STATION	---
---	HOSE BIBS	---
---	TELEPHONE - POWER	---
---	POWER OR TELEPHONE POLE	---
---	TRANSFORMER PAD	---
---	GUY ANCHOR	---
---	TELEPHONE RISER	---



VICINITY MAP



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.

DEVELOPER'S APPROVAL

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

DEVELOPER'S APPROVAL	DATE
THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.	
RECORD DRAWING APPROVAL(ENGINEER/SURVEYOR)	DATE



I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

OWNER/DEVELOPER KINNEY/MATTESON, CORP. P.O. BOX 805 OTS ORCHARDS, WA 99027 PHONE: 425-438-8444 FAX: 509-891-2922 CONTACT: MIKE KINNEY	ENGINEER/PLANNER CLC ASSOCIATES, INC. 727 W. 7TH AVE., SUITE 200 SPOKANE, WASHINGTON 99204 PHONE: 509-458-6840 FAX: 509-458-6844 CONTACT: DAVID N. RANDALL, P.E.	SURVEYOR CLC ASSOCIATES, INC. 727 W. 7TH AVE., SUITE 200 SPOKANE, WASHINGTON 99204 PHONE: 509-458-6840 FAX: 509-458-6844 CONTACT: KERREL BELL, L.P.S.
LANDSCAPE ARCHITECT CLC ASSOCIATES, INC. 8480 E. ORCHARD ROAD, #2000 DENVER CO. 80111 PHONE: 303-770-5600 FAX: 303-456-6844 CONTACT: JIM SHIPTON A.S.L.A.	GEOTECHNICAL ENGINEER S.T.I. NORTHWEST 3828 E. FERRY SPOKANE, WASHINGTON 99202 PHONE: 509-534-9711 FAX: 509-534-9755 CONTACT: PAUL T. NELSON, P.E.	

AGENCY REFERRALS ENGINEERING SPOKANE COUNTY ENGINEERS 1026 W. BROADWAY AVE. SPOKANE, WASHINGTON 99260-0170 PHONE: 509-477-3600 FAX: 509-477-3655 CONTACT: JOHN HOJMAN, P.E.	WASTEWATER SPOKANE COUNTY UTILITIES 1026 W. BROADWAY AVE. SPOKANE, WASHINGTON 99260-0170 PHONE: 509-477-3604 FAX: 509-477-4715 CONTACT: KEVIN COOK, P.E.	SOLID WASTE WASTE MANAGEMENT P.O. BOX 14000 SPOKANE, WASHINGTON 99214-4000 PHONE: 509-466-3400
NATURAL GAS/POWER AVISTA UTILITIES 1413 EAST MISSION AVENUE SPOKANE, WASHINGTON 99220 PHONE: 509-498-4715 CONTACT: CHRIS FRAZ	TELEPHONE QWEST NORTH 904 COLUMBIUS SPOKANE, WASHINGTON 99202 PHONE: 508-455-2711 CONTACT: KEVIN HUMPHREY	

COUNTY DATUM
 BASED ON INVERT ELEVATION OF SEWER MANHOLE NO. 31 AS SHOWN ON "MILLWOOD-NORTHWOOD SEWER EXTENSION PLAN" SHEET B OF 21, ELEVATION=1956.64

DEVELOPER'S APPROVAL DATE

P-1864 By As Built

RECORD DRAWING



Pacific Engineering and Construction Associates, Inc.
 Landscape Architecture
 20 N. W. Avenue, Suite 200
 Shoreline, WA 98148-1940
 Tel: (206) 549-5844



PREPARED UNDER THE DIRECT SUPERVISION OF
 DAVID M. RANDALL, P.E.
 WASHINGTON REGISTRATION NO. 4584
 THE ABOVE IS THE BEST AND SOLE ORIGINAL WORK OF THE ENGINEER
 (C.E. ASSOCIATES, INC.)

Spokane County No. P-1864
 CLC Job Number: 599026
 Drawn By: RLM
 Design By: RLM
 Checked By: DNR
 Date: 11/21/02
 Date of Issue: 11/21/02
 Date of Review: 11/21/02
 Date of Approval: 11/21/02
 Date of Final Approval: 11/21/02
 Date of Record: 11/21/02
 Date of Final Record: 11/21/02

STREET AND DRAINAGE CONSTRUCTION PLANS
 FRASER ESTATES
 DRAINAGE-STREET-GENERAL NOTES
 SPOKANE COUNTY, WASHINGTON

Sheet Title
 STREET AND DRAINAGE NOTES
 C1.00A
 Street Number

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 SPOKANE 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 SPOKANE 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 SPOKANE 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 SPOKANE 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, SPOKANE 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 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 SPOKANE 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 DRYS UTILITIES.
16. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE SPOKANE 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 SPOKANE COUNTY BEFORE BEGINNING ANY WORK ON THESE ROADS. CONTRACTOR SHALL BEGIN WORK ONLY AFTER SPOKANE COUNTY APPROVES THE PHASING PLAN, AND A RECONSTRUCTION MEETING IS HELD BETWEEN SPOKANE 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 SPOKANE COUNTY.
19. BASED ON A REQUIREMENT FROM A LOCAL JURISDICTION THE ENGINEER OR HIS DESIGNER 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 SPOKANE COUNTY ENGINEER.
20. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE SPOKANE 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.

STORM DRAINAGE NOTES

1. SEE STREET PLAN AND PROFILE SHEETS FOR DRYWELL AND CATCH BASIN TYPES AND CONSTRUCTION PER REQUIREMENTS OF THESE DRAWINGS INCLUDING GRADING, SOD, AND DRYWELL INSTALLATION. ALL SWEALS WITHIN TRACTS SHALL INCLUDE AN IRRIGATION SYSTEM. ALL IRRIGATION SHALL CONFORM TO SPOKANE COUNTY SWEAL IRRIGATION SYSTEM GUIDELINES.
2. ALL "208" SWEALS SHOWN SHALL BE ROUGH GRADED PRIOR TO PAVING OF ADJACENT ROADWAY.
3. CONTRACTOR SHALL PROVIDE SPOKANE COUNTY WITH RECORD DRAWING IRRIGATION PLANS UPON COMPLETION OF ALL POND CONSTRUCTION.
4. INSTALL "AMOCO" #4545 FILTER FABRIC (OR APPROVED EQUAL) IN ALL DRYWELLS. SEE SPOKANE COUNTY STANDARDS (1999 EDITION) SHEET B-10 FOR INSTALLATION LOCATIONS.
5. ALL SWEALS 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 SWEAL GRADE WORK, INSTALL THE IRRIGATION SYSTEM, AND PLACE THE SOD WITHIN THE SWEALS FOLLOWING THE ROAD PAVING WORK.
6. 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.
7. IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS, THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN OUT TO THE SATISFACTION OF THE CERTIFYING ENGINEER.
8. ALL LANDSCAPE AREAS ("208" SWEALS) ARE TO BE IRRIGATED BY AN AUTOMATIC IRRIGATION SYSTEM INSTALLED BY OR UNDER THE DIRECTION OF THE LANDSCAPE CONTRACTOR. THE IRRIGATION SYSTEM SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES (90 DAY GUARANTEE). AN APPROVED BACKFLOW DEVICE SHALL BE INSTALLED TO PREVENT WATER FROM GOING BACK INTO THE WATER SLEEPING/PROVIDE SLEEVING AS REQUIRED UNDER SIDEWALKS, PATHS, CURBING, PAVING, ETC. AS NEEDED FOR IRRIGATION ACCESS. ALL SLEEVING TO BE 4" P.I.C. WITH AT LEAST 12" OF COVER (1) FOOT BELOW FINISH GRADE. THE OWNER/GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING SLEEVING BEFORE CURBING, SIDEWALKS, PAVING, ETC. IS INSTALLED. PATCH ASPHALT AS NEEDED.
9. LAWN AREAS/LAWN AREAS ARE TO BE IRRIGATED WITH TORO POP-UP HEADS OR EQUIVALENT. (TEST SYSTEM BEFORE BACKFILLING).
10. ADJUSTMENT AFTER INSTALLATION, ADJUST VALVES, HEADS, EMITTERS TO PROVIDE UNIFORM COVERAGE AND TO MINIMIZE OVER SPRAY ON WALLS, FENCES, WALKS, DRIVES, ETC.
11. WATER POWER SUPPLY: THE OWNER/GENERAL CONTRACTOR IS TO SUPPLY WATER TAPS FOR HOSE-UP AND SUPPLY POWER FOR CONTROLLER.
12. THE FLOOR OF A GRASSED PERCOLATION AREA (G.P.A.) SWEAL INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWEAL, AND SIDE SLOPES OF THE SWEAL UP TO THE G.P.A. OVERFLOW SHALL BE A MEDIUM TO WELL-DRAINING MATERIAL WITH MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL G.P.A. SWEALS 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 SWEAL FLOOR MATERIAL SHALL BE INSTALLED TO NATIVE SOIL STRATA TO A DEPTH OF 12" OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.

STREET 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 SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
4. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
5. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, DAVID M. RANDALL, P.E., @ 458-6840, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, S.T.I. PAUL NELSON, P.E., @ 534-6711 AND THE SPOKANE COUNTY ENGINEER'S OFFICE, CONSTRUCTION ENGINEER, @ 477-3800.
6. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC, "AMOCO" #4545 OR APPROVED EQUIVALENT, BETWEEN THE DRYWELL BARREL AND THE WASHED DRAINROCK AND BETWEEN THE WASHED DRAINROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD DETAIL B-1.
7. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.
8. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL CATCH BASINS AND DRYWELLS FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC UNDER THE LID FOR AT LEAST 6 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED.
9. IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELL OR CATCH BASIN, THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN OUT TO THE SATISFACTION OF THE CERTIFYING ENGINEER.
10. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS-GUTTER FORMERS ARE THE CORRECT PLANS 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.
11. FOR ANY CURB GRADES LESS THAN 0.08 (0.008 FT./FT.), A WASHINGTON STATE LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.



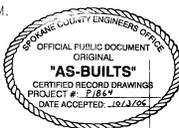
I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

DEVELOPER'S APPROVAL

DATE

P-1864 Eng As Built

COUNTY DATUM
 BASED ON INVERT ELEVATION OF SEWER MANHOLE NO. 31 AS SHOWN ON MILLWOOD-NORTHWOOD SEWER EXTENSION PLAN, SHEET 8 OF 21, ELEVATION=1566.64



RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL THE NUMBERS FIRST
BEFORE YOU DIG

Planning
Engineering
Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, WA 99201
Phone: (509) 482-8400
Fax: (509) 482-8481



PREPARED UNDER THE DIRECT
SUPERVISION OF
DAVID N. RANDALL, P.E.
WASHINGTON REGISTRATION
NO. 26884
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

Date: Description
07/04/04 PRELIMINARY SUBMITTAL
07/04/04 SECOND SUBMITTAL
07/07/05 REVISED PER I.A. LOTS 6 AND 7.
07/07/05 RECORD DRAWING
07/07/05 RECORD DRAWING
AND ENGINEERING

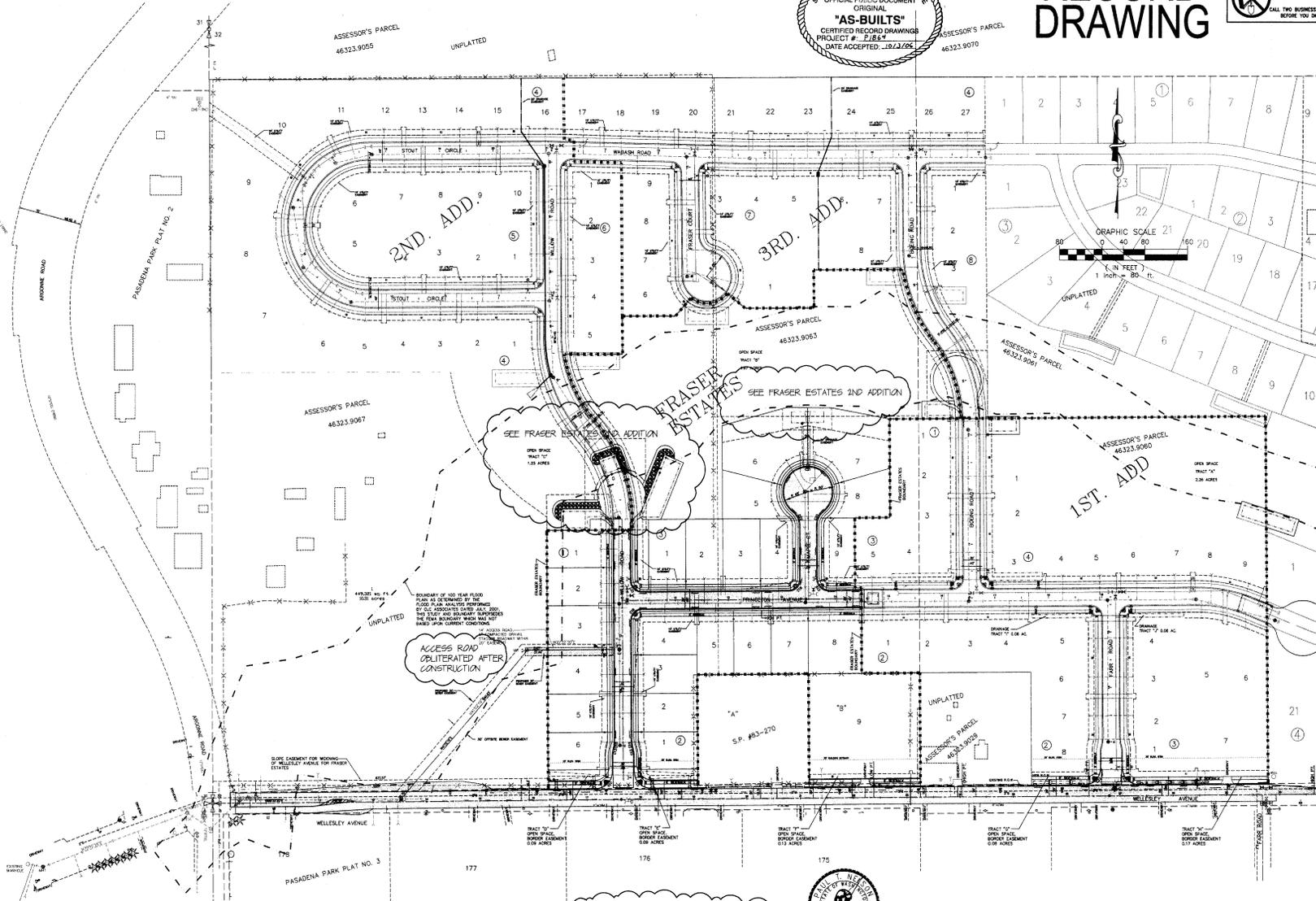
Spokane County No. P-1864
CLC Job Number: S902526
Drawn By: RLM
Designed By: RLM
Checked By: DNR

SEE PLAN FOR ALL DETAILS OF REVISIONS.
EXCEPT AS NOTED, ALL OTHERS SHALL BE
CONSIDERED TO BE IN ACCORDANCE WITH THE
LATEST EDITIONS OF THE STANDARD SPECIFICATIONS
FOR PUBLIC UTILITIES, P.U.S. 1997, AS AMENDED
BY SPokane COUNTY ORDINANCES.

STREET CONSTRUCTION PLANS
FRASER ESTATES
OVERALL STREET PLAN
SPOKANE COUNTY, WASHINGTON



C1.01
Street Number



COUNTY DATUM
BASED ON INVERT ELEVATION OF SEWER
MANHOLE NO. 31 AS SHOWN ON
TULLWOOD-NORTHWOOD SEWER
EXTENSION PLAN SHEET 8 OF 21,
ELEVATION=1955.64



DEVELOPER'S APPROVAL

DATE

07/18/04 Eng. D. Randall

L:\006\134 Fraser\Estimates\AS-BUILT\STREET 3.dwg, C1.01, 9/26/2006 10:37:14 AM, 1:1

RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL 3000 BEFORE YOU DIG
WHERE YOU DIG

KLING STUBBINS
Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
100 W. 1st Avenue, Suite 200
Spokane, WA 99201
Phone: (509) 425-4840
Fax: (509) 69-8844



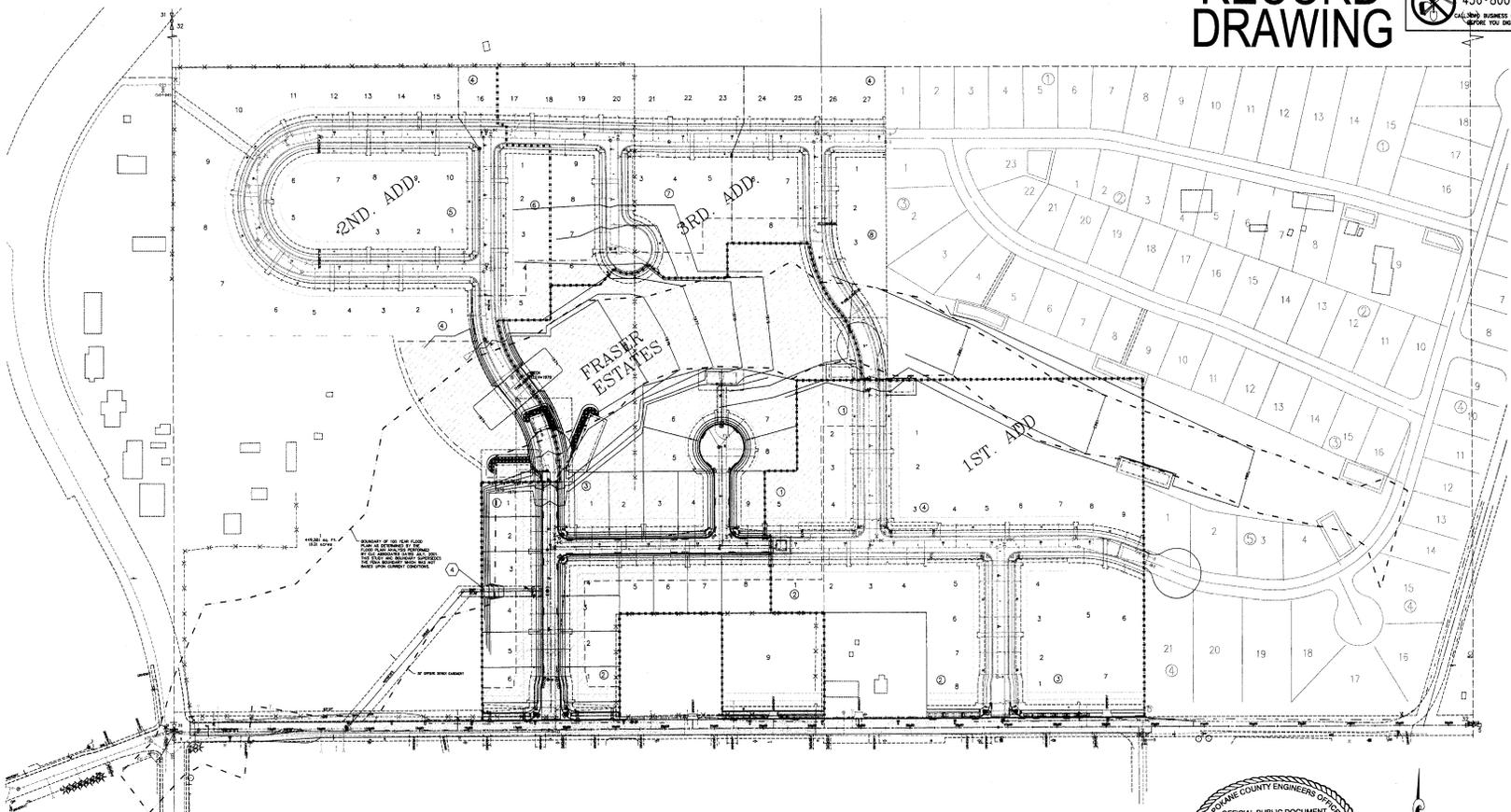
PREPARED UNDER THE DIRECT SUPERVISION OF DAVID M. RAMSFIELD, P.E. WASHINGTON REGISTRATION NO. 22664 FOR AND ON BEHALF OF K.C. ASSOCIATES, INC.

Date: 9/12/24
Description: REVISIONS TO RECORD DRAWING FOR ALTIMET TESTING AND ENGINEERING
9/12/24
BY: MWM

Spokane County No. P-1884
C.L.C. Job Number: S990226
Drawn By: RLM MWM
Designed By: MWM
Checked By: DNR

STREET AND DRAINAGE CONSTRUCTION PLANS
FRASER ESTATES
GRADING PLAN
SPOKANE COUNTY, WASHINGTON

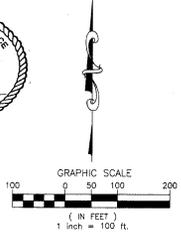
Street Title
GRADING PLAN
C1.03
Street Number



ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
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GRADING NOTES

- EXCAVATION AND EMBANKMENT BANKS AND ALL DISTURBED AREAS WILL REQUIRE STABILIZATION WITH HYDROSEEDING METHODS. THE SEED MIXTURE SHALL CONSIST OF THE FOLLOWING GRASS SPECIES:
10% ELKA PERENNIAL RYE
20% DURAN HARD FESCUE
45% COWAR SHEEP / FESCUE
15% REYBING CANADIAN BLUEGRASS
GRASS SEED: 90 LBS. / ACRE
FERTILIZER: 16-16-16- TIMED RELEASE AT 300 LBS. / ACRE
- ALL SEEDING OF SLOPES SHALL BE PERFORMED IN ACCORDANCE WITH A.C.O.E. STANDARD SPECIFICATIONS SECTION 8-01, AND APPENDIX 12, OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT.
- THE BANK AREAS WITH SLOPES OF 2:1 OR GREATER SHALL BE PLANTED WITH NATURALLY OCCURRING SHRUBS TO PREVENT EROSION DURING A STORM EVENT.
- GRADING OF THE ACCESS ROAD SHALL PROVIDE FOR ROADWAY SLOPES OF 10:1 MAXIMUM AT THE LOCATION SHOWN.



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

COUNTY DATUM
BASED ON INVERT ELEVATION OF SEWER MANHOLE NO. 31 AS SHOWN ON "MILLWOOD-NORTHWOOD SEWER EXTENSION PLAN" SHEET 8 OF 21, ELEVATION=1906.64

DEVELOPER'S APPROVAL _____ DATE _____

P-1884 Em As Built

L:\006\154 Fraser Estates\mws\MSBLMT STREET 6.dwg, C:\03\GRADING, 09/26/2024 10:37:29 AM, 1:1

DITCH BOTTOM, OFFSET, ELEV.

STATION	OFFSET	SIDE	ELEVATION
10+32.70	20.95	L	1992.36
10+37.68	21.94	L	1992.25
10+42.66	22.93	L	1992.14
10+47.64	23.91	L	1992.03
10+52.62	24.90	L	1991.91
10+57.60	25.88	L	1991.80

PROPOSED TOE OF SLOPE FOR NEW ROADWAY FILL BANK
SLOPE EASEMENT FOR WELLESLEY AVENUE WIDENING FOR FRASER ESTATES

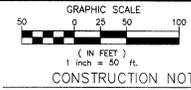
PROPOSED TOE OF SLOPE FOR NEW ROADWAY FILL BANK
CONSTRUCT A 115' LONG 1:1 TO TAPER, STA. 11+85 TO STA. 13+00

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	30.00'	47.09'	29.37'	42.40'	89°24'18"
C11	30.00'	47.19'	30.03'	42.45'	90°24'52"
C12	50.00'	14.19'	7.14'	14.14'	18°15'37"
C13	50.00'	14.19'	7.14'	14.14'	18°15'37"
C14	50.00'	14.19'	7.14'	14.14'	18°15'37"
C15	50.00'	14.19'	7.14'	14.14'	18°15'37"

RECORD DRAWING

DEVELOPER'S APPROVAL DATE



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101 N. 7th Avenue, Suite 200
Spokane, WA 99201
PH: 467-4800
FAX: 467-4844

SPokane County Engineers Office
Professional Engineer
EXPRESSES 07/04/02

PREPARED UNDER THE DIRECT SUPERVISION OF
DAVID N. RADICAL, P.E.
REGISTERED PROFESSIONAL ENGINEER
NO. 26894
STATE OF WASHINGTON
BY AND ON BEHALF OF
CIC ASSOCIATES, INC.

RECORD DRAWING
BY AND FOR THE USE OF
AN ENGINEERING
DATE: 9/11/06

Spokane County No. P-1864
C.I.C. job Number: 399026
Drawn By: RLM
Designed By: DNR
Checked By: DNR
DATE: 07/27/07
DATE: 07/27/07
DATE: 07/27/07
DATE: 07/27/07

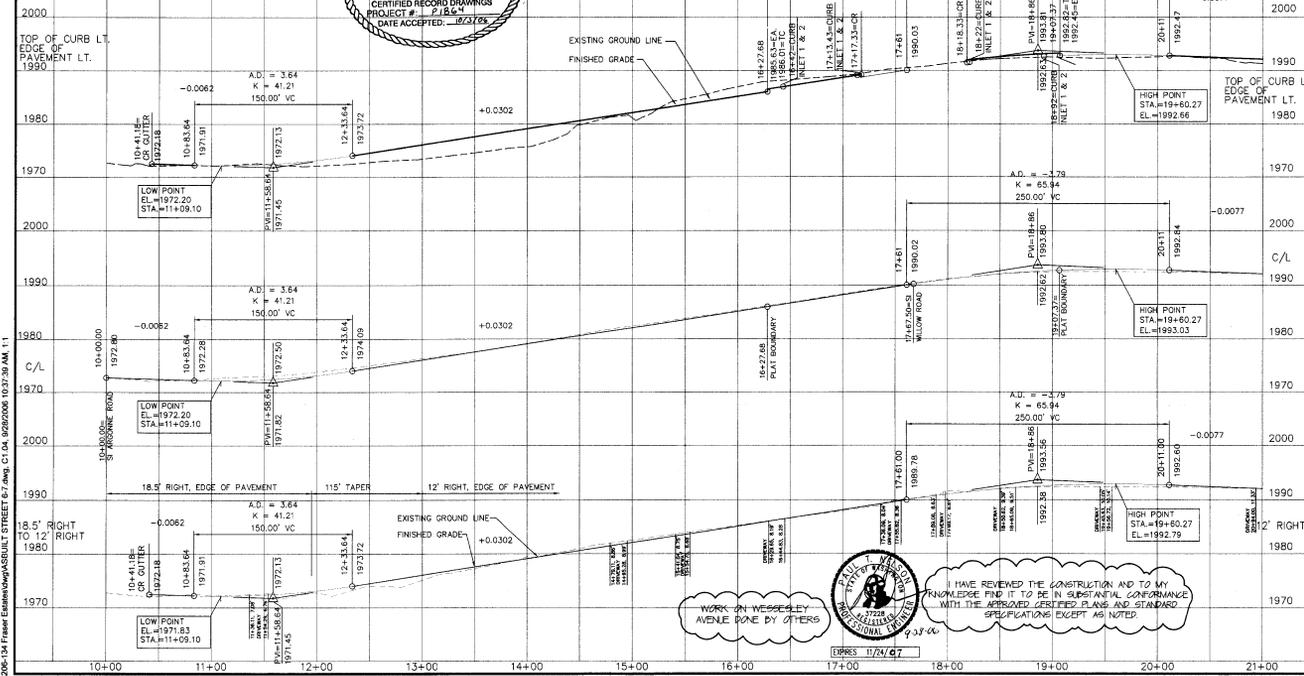
STREET CONSTRUCTION PLANS
FRASER ESTATES
WELLESLEY AVENUE
SPOKANE COUNTY, WASHINGTON
STA. 10+00.00 TO STA. 21+00.00

C1.04
Sheet Number

1. STA. 10+00.00, BEGIN CONSTRUCTION.
2. REMOVE AND RELOCATE EXISTING SIGN PER INSPECTING ENGINEER.
3. STA. 15+10 ± TO STA. 16+27.68, LT., CONSTRUCT A 1' DEEP DRAINAGE DITCH, I.E.(W)=1976.23, I.E.(E)=1985.51 = FLOWING 6" 8" TYPE CURB.
4. STA. 16+27.69 TO STA. 17+81.66, LT., REMOVE EXISTING FENCE AS REQUIRED.
5. STA. 16+27.68, LT., PROVIDE AND INSTALL "B" TYPE CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLANS B-3, AND BEGIN 6" SIDEWALK.
6. STA. 16+42, LT., PROVIDE AND INSTALL CURB INLETS TYPE "1" AND "2" PER SPOKANE COUNTY STANDARD PLANS B-8 AND B-9, SEE SECTION "B", C1.09.
7. STA. 16+38.14, 37.64' LT., PROVIDE AND INSTALL TYPE "A" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-10, TOP OF GRATE EL.=1985.53.
8. STA. 17+13.43, LT., PROVIDE AND INSTALL CURB INLETS TYPE "1" AND "2" PER SPOKANE COUNTY STANDARD PLANS B-8 AND B-9, SEE SECTION "B", C1.09.
9. PROVIDE AND INSTALL CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
10. STA. 18+22.39, LT., PROVIDE AND INSTALL CURB INLETS TYPE "1" AND "2" PER SPOKANE COUNTY STANDARD PLANS B-8 AND B-9, SEE SECTION "B", C1.09.
11. STA. 18+17.25, 39.50' LT., PROVIDE AND INSTALL TYPE "A" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-10, TOP OF GRATE EL.=1990.40.
12. STA. 18+92, LT., PROVIDE AND INSTALL CURB INLETS TYPE "1" AND "2" PER SPOKANE COUNTY STANDARD PLANS B-8 AND B-9, SEE SECTION "B", C1.09.
13. STA. 19+07.37, LT., END "B" TYPE CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3, AND END 6" SIDEWALK.
14. STA. 19+00.41, LT., REMOVE A PORTION OF EXISTING FENCE PER INSPECTING ENGINEER.
15. STA. 19+07.37 TO STA. 21+16.39, 21.50' LT., CONSTRUCT A 1' DEEP DRAINAGE DITCH, I.E.(W)=1992.33, I.E.(E)=1991.54, S=0.0030.
16. STA. 20+43.84, 21.50' LT., PROVIDE AND INSTALL 24.67 LF. OF 8" C.M.P. CULVERT, I.E.(W)=1991.96, I.E.(E)=1991.77, S=0.0077 MINIMUM COVER OVER PIPE SHALL BE 1'-0".
17. STA. 20+56 ±, LT., CONSTRUCT NEW DRIVEWAY PER SPOKANE COUNTY STANDARD PLAN A-8; REMOVE AND REPLACE EXISTING FENCE AS REQUIRED.
18. STA. 21+16.39, LT., PROVIDE AND INSTALL "B" TYPE CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3, AND 6" SIDEWALK. SEE NOTE 15 FOR DITCH. REMOVE AND REPLACE EXISTING FENCE AS REQUIRED.
19. STA. 22+20 ±, LT., CONSTRUCT NEW DRIVEWAY PER SPOKANE COUNTY STANDARD PLAN A-8; REMOVE AND REPLACE EXISTING FENCE AS REQUIRED.
20. STA. 22+38 ±, LT., PROVIDE AND INSTALL CURB INLET TYPE "1" PER SPOKANE COUNTY STANDARD PLAN B-8, SEE DETAIL 2, C1.02.
21. STA. 22+48, 24.00' LT., PROVIDE AND INSTALL TYPE "1" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-10, TOP OF GRATE EL.=1990.60.
22. STA. 23+25.26, LT., END "B" TYPE CURB PER SPOKANE COUNTY STANDARD PLAN A-3, AND END 6" SIDEWALK.
23. STA. 23+25.26, LT., CONSTRUCT 1' DEEP DRAINAGE DITCH, I.E.(W)=1991.46, FLOWLINE OF "B" TYPE CURB, TO STA. 23+33.78, LT., I.E.(E)=1989.00 AT "B" TYPE CURB.
24. STA. 23+95 ±, LT., CONSTRUCT NEW DRIVEWAY PER SPOKANE COUNTY STANDARD PLAN A-8.
25. STA. 23+62.58, 21.50' LT., PROVIDE AND INSTALL 24.67 LF. OF 8" C.M.P. CULVERT, I.E.(W)=1991.18, I.E.(E)=1991.06, S=0.0086 MINIMUM COVER OVER PIPE SHALL BE 1'-0".
26. STA. 25+33.78, LT., PROVIDE AND INSTALL "B" TYPE CURB PER SPOKANE COUNTY STANDARD PLAN A-3, AND 6" SIDEWALK.
27. STA. 25+40, LT., PROVIDE AND INSTALL CURB INLET TYPE "1" PER SPOKANE COUNTY STANDARD PLAN B-8, SEE DETAIL 2, C1.02.
28. STA. 26+22.79, 22.50' LT., PROVIDE AND INSTALL TYPE "A" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-10, TOP OF GRATE EL.=1987.45.
29. STA. 26+29.63, LT., PROVIDE AND INSTALL CURB INLET TYPE "1" PER SPOKANE COUNTY STANDARD PLAN B-8, SEE DETAIL 2, C1.02.
30. STA. 27+40.32, LT., PROVIDE AND INSTALL CURB INLET TYPE "1" PER SPOKANE COUNTY STANDARD PLAN B-8, SEE DETAIL 2, C1.02.
31. STA. 27+50, 22.50' LT., PROVIDE AND INSTALL TYPE "A" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-10, TOP OF GRATE EL.=1986.32.
32. STA. 28+43 ±, LT., REMOVE AND RELOCATE EXISTING SIGNS (2), AND (1) TELEPHONE RISER BOX PER OWEST.
33. STA. 28+55.32, LT., PROVIDE AND INSTALL CURB INLET TYPE "1" PER SPOKANE COUNTY STANDARD PLAN B-8, SEE DETAIL 2, C1.02.
34. STA. 29+00, LT., CONSTRUCT NEW DRIVEWAY PER SPOKANE COUNTY STANDARD PLAN A-8.
35. STA. 29+79.21, LT., REMOVE AND RELOCATE EXISTING GUY ANCHOR PER AVISTA UTILITIES.
36. STA. 29+78.09, LT., END TYPE "B" CURB AND 6" SIDEWALK AND BEGIN 100' TAPER TO EXISTING ASPHALT AND MATCH TO EXISTING.
37. STA. 11+56, RT., REMOVE AND RELOCATE EXISTING GUY ANCHOR AND POWER POLE PER AVISTA.
38. STA. 11+61, RT., REMOVE AND RELOCATE EXISTING TELEPHONE RISER BOX PER OWEST.
39. STA. 28+55, LT., PROVIDE AND INSTALL CURB INLET TYPE "1" PER SPOKANE COUNTY STANDARD PLAN B-8, SEE DETAIL 2, C1.02.
40. STA. 22+08.40, 24.00' LT., PROVIDE AND INSTALL 24.67 LF. OF 8" C.M.P. CULVERT, I.E.(W)=1990.73, I.E.(E)=1990.61, S=0.0050 MINIMUM COVER OVER PIPE SHALL BE 1'-0".

COUNTY DATUM
BASED ON INVERT ELEVATION OF SEWER MANHOLE NO. 31 AS SHOWN ON "MILLWOOD-NORTHWOOD SEWER EXTENSION PLAN" SHEET 8 OF 21, ELEVATION=1956.64

SPokane County Engineers Office
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # 2183-0
DATE ACCEPTED: 05/27/06



Spokane County Engineers Office
Professional Engineer
DATE: 09/27/06

WORK ON WELLESLEY AVENUE DONE BY OTHERS

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.

RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
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Planning
Engineering
Architecture
Land Surveying
101 W. 1st, Suite 200
Spokane, WA 99201-4940
Phone: (509) 446-4400
Fax: (509) 446-4444



PREPARED UNDER THE DIRECT
SUPERVISION OF
DAVID R. RANDALL
WASHINGTON REGISTRATION
NO. 11270
FOR AND ON BEHALF OF
C.C. ASSOCIATES, INC.

DESCRIPTION: SPOKANE COUNTY ENGINEERS
RECEIVED FOR SPOKANE
COUNTY RECORD DRAWING
DATE: 9/22/06
RECORD DRAWING
AND ENGINEERING

Spokane County No. P-1864
C.C. Job Number: 899026
Drawn By: RHM
Designed By: DNR
Checked By: DNR
DATE: 9/22/06

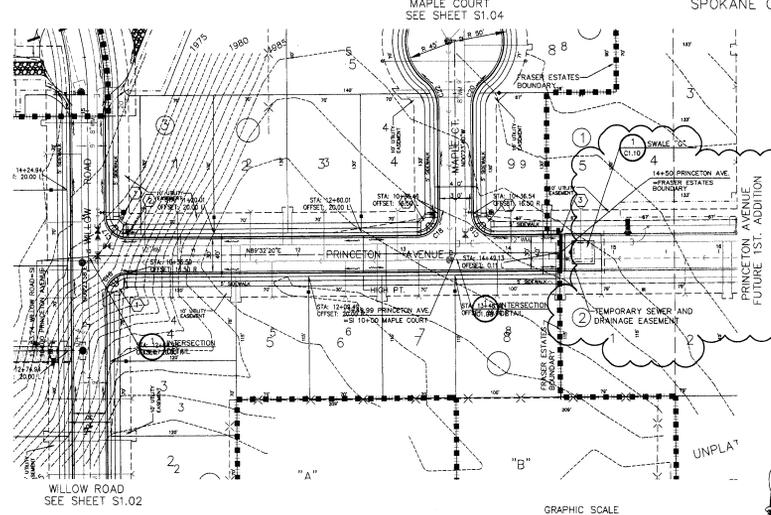
STREET CONSTRUCTION PLANS
FRASER ESTATES
PRINCETON AVENUE
STA. 10+00.00 TO STA. 16+00.00
SPOKANE COUNTY, WASHINGTON

Sheet Title
PRINCETON AVENUE
PLAN AND
PROFILE
C1.07
Sheet Number

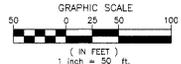
CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL CURB RAMP "DESIGN B" PER SPOKANE COUNTY STANDARD PLAN A-5.
- 2 PROVIDE AND INSTALL STOP SIGN AND STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
- 3 PROVIDE AND INSTALL TYPE "3" BARRICADE PER W.S.D.O.T. STANDARD PLAN H-2.

SEE FRASER ESTATES 1ST ADDITION

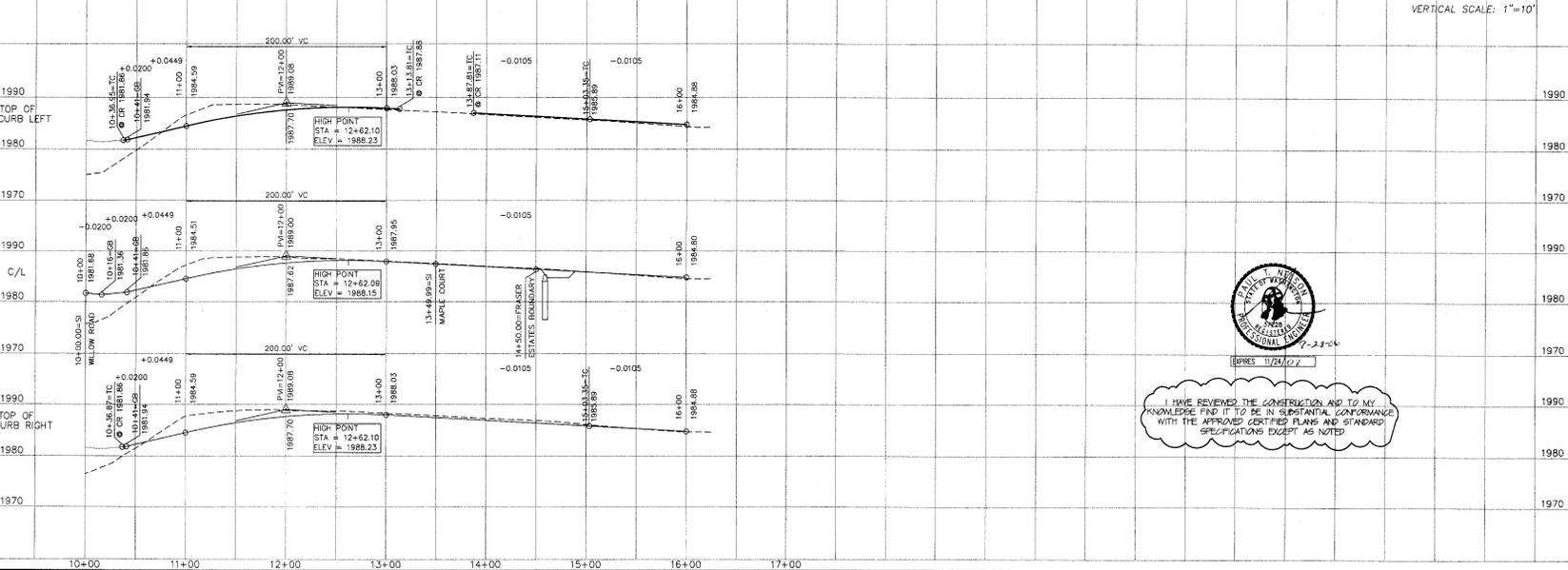


CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C15	20.00'	31.39'	19.98'	28.27'	89°56'18"
C17	20.00'	31.44'	20.02'	28.30'	90°03'42"
C18	20.00'	31.39'	19.98'	28.27'	89°56'18"
C19	20.00'	31.44'	20.02'	28.30'	90°04'00"



INTERSECTION DETAIL
SCALE: 1" = 20'

COUNTY DATUM
BASED ON INVERT ELEVATION OF SEWER
MANHOLE NO. 31 AS SHOWN ON
WILLOW-NORTHWOOD SEWER
EXTENSION PLAN SHEET 8 OF 21,
ELEVATION=1986.64



VERTICAL SCALE: 1" = 10'

DAVID R. RANDALL
REGISTERED PROFESSIONAL ENGINEER
11270
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

L:\006134\Fraser Estates\ag\BUILLS\ STREET 8.dwg, C:\P\062006\10.08.04 AM, 11

P-1864 Eng. B. Bull

RECORD DRAWING

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101 W. 1st Ave., Suite 200
Spokane, WA 99201-4460
Ph: (509) 486-1444
Fax: (509) 486-1444

DON W. RANDOLF
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 07/04/04

PREPARED UNDER THE DIRECT
SUPERVISION OF
LAND W. RANDOLF, P.E.
WASHINGTON REGISTRATION
NO. 20084
FOR AND ON BEHALF OF
CIC ASSOCIATES, INC.

Date: 9/27/06
Description: REVISION DRAWING
PROJECT # 21184
9/27/06 REVISED DRIVE LOTS 6 AND 7.
9/22/06 RECORD DRAWING
CIVIL ENGINEERING

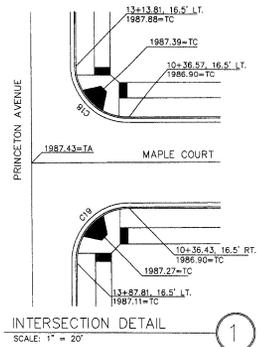
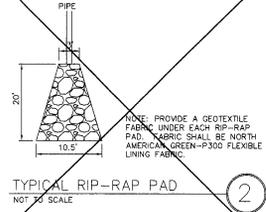
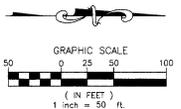
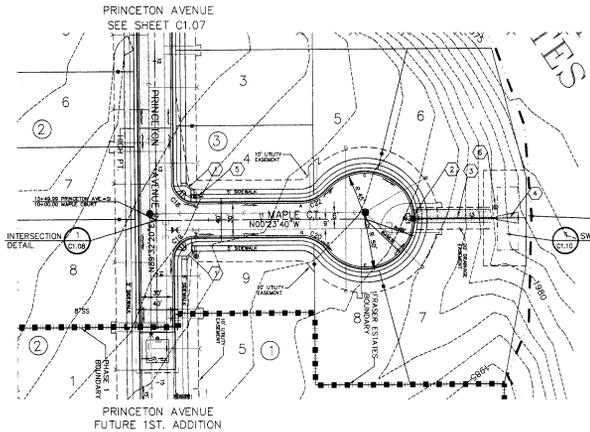
Spokane County No. P-1864
C.C. Job Number: 5990126
Drawn By: RJA
Checked By: DNR
DATE ACCEPTED: 10/3/06

STREET CONSTRUCTION PLANS
FRASER ESTATES
MAPLE COURT
PLAN AND PROFILE
STA. 10+00.00 TO STA. 12+45.70
SPOKANE COUNTY, WASHINGTON

Street Title
MAPLE COURT
PLAN AND
PROFILE
C1.08
Street Number

CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
- 2 PROVIDE AND INSTALL CONCRETE INLET TYPE "2", METAL FRAME TYPE "1", GRATE TYPE "3" PER SPOKANE COUNTY STANDARD PLANS B-6, B-10, B-14, TOP OF GRATE EL.=1982.98.
- 3 PROVIDE AND INSTALL 79.67 L.F. OF 12" PVC STORM DRAIN PIPE.
- 4 PROVIDE AND INSTALL RIP-RAP PER DETAIL 2 THIS SHEET.
- 5 PROVIDE AND INSTALL STOP SIGN AND STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
- 6 PROVIDE AND INSTALL TYPE "B" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-1c.

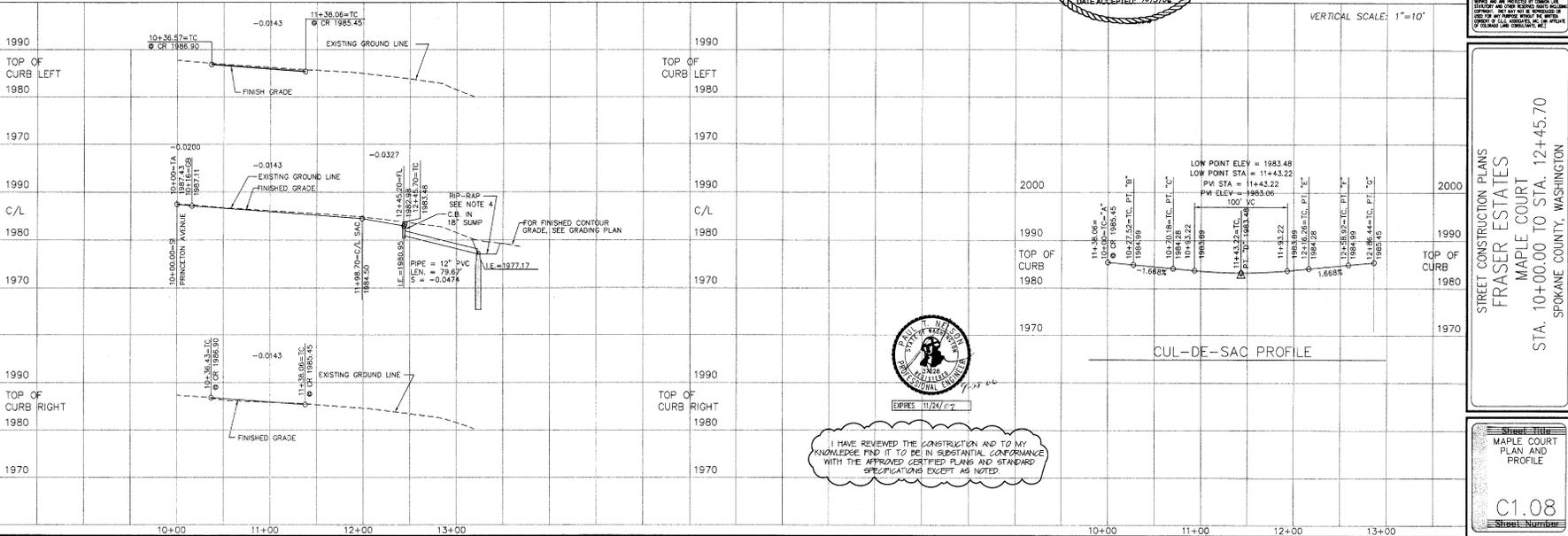


CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	DELTA	
C18	20.00'	31.39'	19.98'	28.27'	89°56'00"
C19	20.00'	31.44'	20.02'	28.30'	90°04'00"
C20	30.00'	27.57'	14.82'	26.37'	52°33'59"
C21	48.50'	53.41'	35.69'	56.53'	200°07'27"
C22	30.00'	27.52'	14.82'	26.37'	52°33'59"

COUNTY DATUM
BASED ON INVERT ELEVATION OF SEWER
MANHOLE NO. 31 AS SHOWN ON
"MILWOOD-NORTHWOOD SEWER
EXTENSION PLAN" SHEET B OF 21,
ELEVATION=1956.64

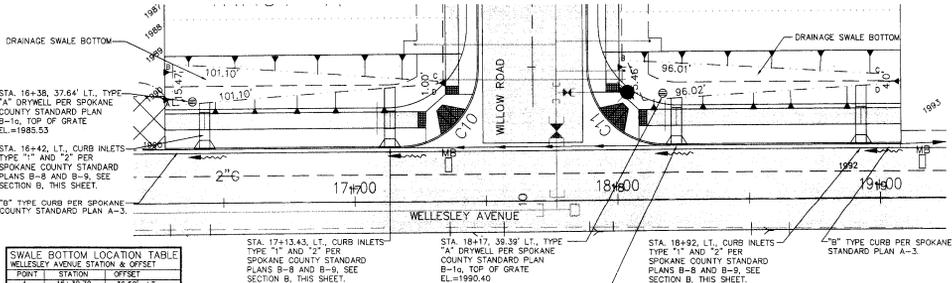


DEVELOPER'S APPROVAL _____ DATE _____



I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.





POINT	STATION	OFFSET
A	16+38.00	30.00
B	16+38.75	35.00
C	16+39.50	40.00
D	17+38.50	43.75

DRAINAGE TRACT "D"

POINT	STATION	OFFSET
A	16+38.00	30.00
B	16+38.75	35.00
C	16+39.50	40.00

SWALE "A" AND SWALE "B" DETAIL

SCALE: 1" = 20'

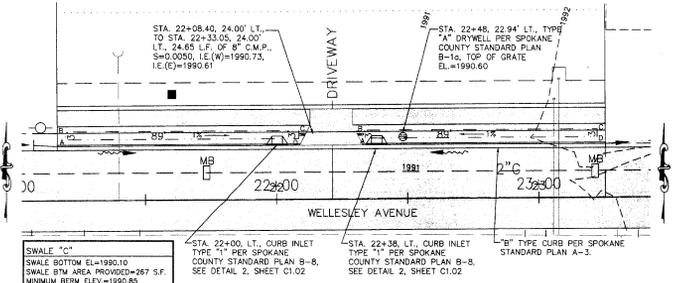
DRAINAGE TRACT "E"

POINT	STATION	OFFSET
A	18+17.00	35.00
B	18+17.75	40.00
C	18+18.50	45.00

DRAINAGE TRACT "E"

SWALE "C" AND SWALE "D" DETAIL

SCALE: 1" = 20'



POINT	STATION	OFFSET
A	22+00.00	22.50
B	22+00.75	27.50
C	22+01.50	32.50

DRAINAGE TRACT "F"

POINT	STATION	OFFSET
A	22+38.00	22.50
B	22+38.75	27.50
C	22+39.50	32.50

SWALE "E"

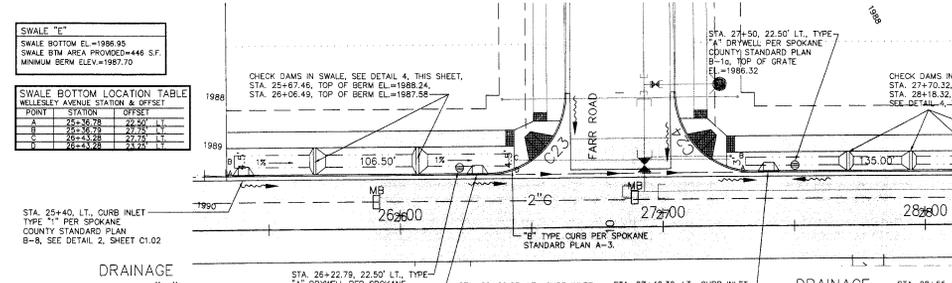
POINT	STATION	OFFSET
A	22+38.00	22.50
B	22+38.75	27.50
C	22+39.50	32.50

SWALE "F"

SWALE "G"

SWALE "E" AND SWALE "F" DETAIL

SCALE: 1" = 20'



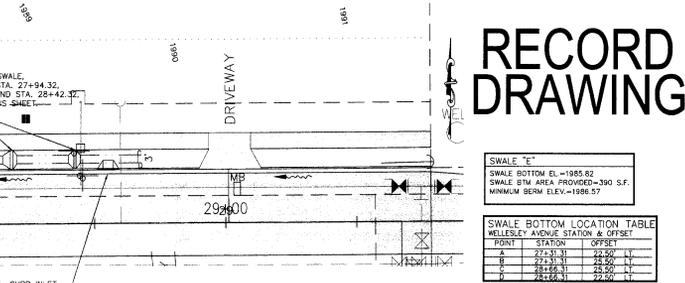
SWALE "E" AND SWALE "F" DETAIL

SCALE: 1" = 20'

DRAINAGE TRACT "G"

DRAINAGE TRACT "H"

DRAINAGE TRACT "I"



SWALE "J" AND SWALE "K" DETAIL

SCALE: 1" = 20'

DRAINAGE TRACT "L"

DRAINAGE TRACT "M"

DRAINAGE TRACT "N"

RECORD DRAWING

SEEDING NOTES

1) EXCAVATION AND EMBANKMENT BANKS AND ALL DISTURBED AREAS WILL REQUIRE STABILIZATION WITH HYDROSEEDING METHODS. THE SEED MIXTURE SHALL CONSIST OF THE FOLLOWING GRASS SPECIES:

- 10% ELKA PERENNIAL RYE
- 20% DURHAM WARD FESCUE
- 45% COVAR SHEEP FESCUE
- 15% REUBENS CANADIAN BLUEGRASS

GRASS SEED: 90 LBS. / ACRE

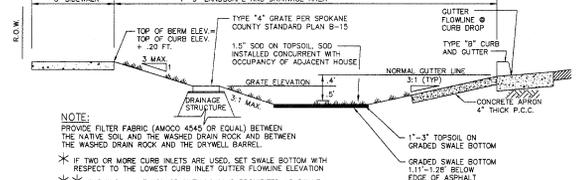
FERTILIZER: 16-16-16 - TIMED RELEASE AT 300 LBS. / ACRE



DEVELOPER'S APPROVAL _____ DATE _____

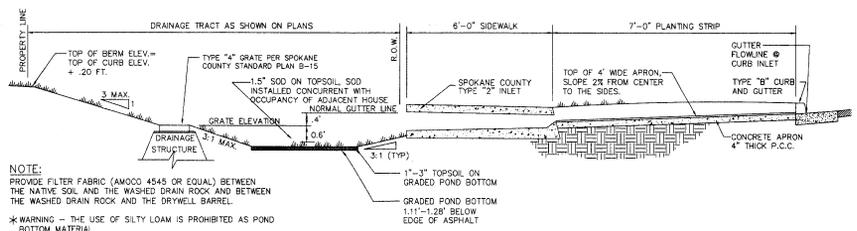


NOTE: ORGANIC CARBON TESTING IS REQUIRED FOR THE TOPSOIL IF THE DRYWELL GRATE IS GREATER THAN 0.5' ABOVE GROUND



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. * IF TWO OR MORE CURBS ARE USED, SET SWALE BOTTOM WITH RESPECT TO THE LOWEST CURB INLET OUTER FLOWLINE ELEVATION. * WARNING - THE USE OF SILTY LOAM IS PROHIBITED AS SWALE BOTTOM MATERIAL.

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED GRATED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.



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.

Associates, Inc.
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Landscape Architecture
Site Surveying
301 W. 7th Avenue, Suite 200
Spokane, WA 99201
Phone: (509) 456-4140
Fax: (509) 456-6854



EXPRES: 07/24/02

PREPARED UNDER THE DIRECT SUPERVISION OF
CARRIE N. RANDALL, P.E.
REGISTERED PROFESSIONAL ENGINEER
NO. 20804
TOP AND ON BEHALF OF
CLC ASSOCIATES, INC.

CLC ASSOCIATES, INC.
PLANNING, ENGINEERING, ARCHITECTURE, SURVEILLING
607/0100 607/0100 607/0100 607/0100
2700 W. 7th Avenue, Suite 200
Spokane, WA 99201
Phone: (509) 456-4140
Fax: (509) 456-6854

Spokane County No. P-1964
CLC Job Number: 5980726
Drawn By: RLM
Designed By: RLM
Checked By: DMR
DATE: 10/21/06

THIS PLAN IS AN INSTRUMENT OF PROFESSIONAL SERVICE. IT IS THE PROPERTY OF CLC ASSOCIATES, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CLC ASSOCIATES, INC.

STREET CONSTRUCTION PLANS
FRASER ESTATES
DRAINAGE SWALE DETAILS
SPOKANE COUNTY, WASHINGTON

DRAINAGE DETAILS

C1.09

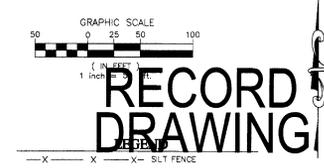
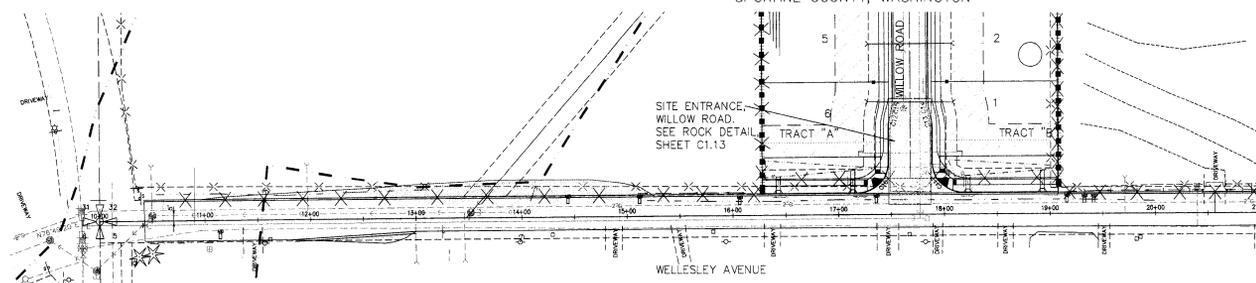
P. 1804 CRAFT BUILT

LOOSE 1/2" FROM EMBANKMENT/GRASSLINE STREET 11: AM, C1.09, 10/20/06 10:38:37 AM, 11

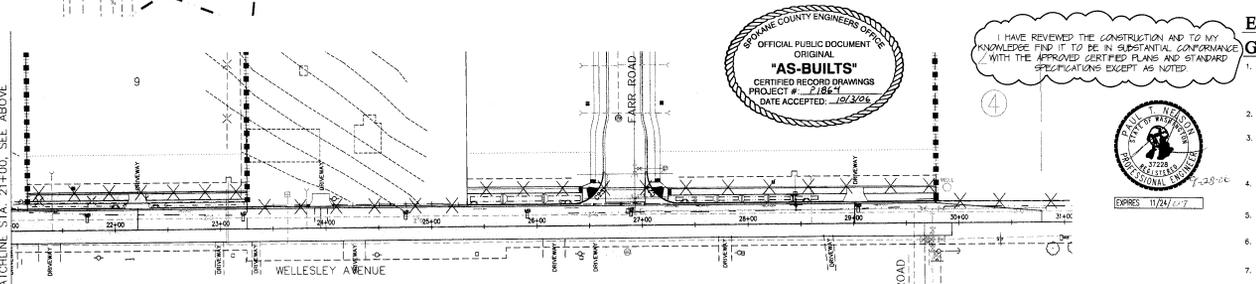
COUNTY DATUM
BASED ON INVERT ELEVATION OF SEWER
MANHOLE NO. 31 AS SHOWN ON
"MILLWOOD-NORTHWOOD SEWER
EXTENSION PLAN" SHEET 8 OF 21,
ELEVATION=1956.64



Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
1000 N. Washington
Spokane, WA 99202
Phone: (509) 325-9999
Fax: (509) 498-8844



RECORD DRAWING
DEFEND



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # 1864
DATE ACCEPTED: 07/24/02

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.

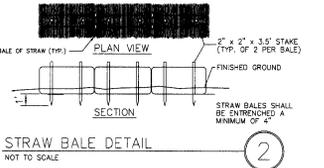
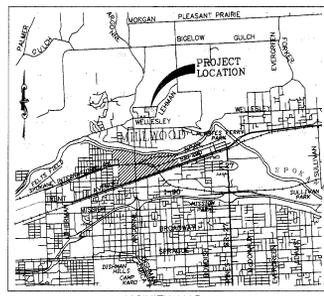


**EROSION & SEDIMENT CONTROL
GENERAL NOTES AND INFORMATION**

1. AN EROSION/SEDIMENT CONTROL (E.S.C.) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE E.S.C. PLAN, AND CONSTRUCTION, MAINTENANCE, AND UPGRADING OF THE E.S.C. 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.
2. APPROVAL OF THE E.S.C. PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE E.S.C. PLAN.
3. THE EROSION/SEDIMENT CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE ELEMENTS DURING CONSTRUCTION AND THROUGHOUT THE LIFE OF THE PROJECT AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF SITE, OR INTO ANY EXISTING STORM DRAINAGE FACILITIES, SUCH AS DITCHES, CULVERTS, OR DRAINS, GULLIES.
4. GEOTEXTILE FABRIC IS TO BE PLACED ON THE RIGHT OF WAY DITCHES AND INLETS UNTIL SUCH TIME THAT THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT EROSION INTO THE DRAINAGE SYSTEM IS MITIGATED.
5. THE SILT FENCES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO OTHER SITE WORK, AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE.
7. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A LOCATION WHERE CONCRETE TRUCKS AND EQUIPMENT CAN BE WASHED OUT NOT LOCATED NEAR OR DRAINING INTO A STORM DRAINAGE AREA.
8. PROPERTY OWNER: KINNEY/MATTESON, INC. (509)922-5557
PERMIT APPLICANT: KINNEY/MATTESON, INC. (509)922-5557
CONTACT PERSON ON SITE: KINNEY/MATTESON, INC. (509)922-5557
9. PROJECT LOCATION: IN SPOKANE VALLEY, NORTH OF WELLESLEY AVENUE AND EAST OF ARDORNE ROAD, IN SECTION 32, TOWNSHIP 26 N., RANGE 44 E 1/4 W.
10. PROJECT DESCRIPTION: FRASER ESTATES IS A RESIDENTIAL SUBDIVISION CONSISTING OF 24 LOTS AND WILL REQUIRE CONSTRUCTION OF SEWER, WATER, ROADS, STORM DRAINAGE, GAS, AND ELECTRICAL FACILITIES. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 4,300 LINEAR FEET OF NEW PUBLIC STREETS AND CURBS, WITH ASSOCIATED STORM DRAINAGE.
11. DESCRIPTION OF E.S.C. MEASURES: USE OF SILT FENCES AND ROCK CONSTRUCTION ENTRANCES. ALL E.S.C. MEASURES MENTIONED ABOVE ARE TEMPORARY AND WILL BE REMOVED AFTER YARDS ARE LANDSCAPED.
12. EXISTING VEGETATION: FIELD GRASS AND PONDROSA PINES.
13. PLAN PREPARATION DATE: APRIL 10, 2001.
14. SOILS: ON SITE SOILS INCLUDE GARRISON GRAVELLY LOAM (GAL), GARRISON GRAVELLY LOAM (GSL) SPOKANE COUNTY GUIDELINES INDICES THESE SOILS WILL BE TYPE "F" SOILS.
15. STABILIZATION OF UNPAVED AREAS: ANY UNPAVED AREAS WHICH WOULD BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT COVERED BY PERMANENT VEGETATION SHALL BE SEEDED WITH A MIXTURE OF STRAW AND DRYLAND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL, AT A RATE OF 60 LBS./ACRE.
16. CONTROL OF POLLUTANTS: ANY SPILLS WILL BE HANDLED ACCORDING TO D.O.E. AND D.H. GUIDELINES.

DATE	DESCRIPTION
07/24/02	PRELIMINARY ORIGINAL COUNTY ENGINEER'S CERTIFICATION
07/24/02	RECORD DRAWINGS
07/24/02	RECORD DRAWINGS AND ENGINEERING

Spokane County No. P-1864
CLC Job Number: 5990126
Drawn By: RM
Checked By: DNR
Approved By: DNR



LEGAL DESCRIPTION

THAT portion of the South Half of the Southwest Quarter of Section 32, T.26 N., R.44 E., W.M. in Spokane County, State of Washington described as follows:
Beginning at the intersection of the North line of said South Half of the Southwest Quarter and the West line of said Section 32; thence N.89°48'22"E. along said North line a distance of 1452.00 feet to the northeastern corner of a parcel of land as described in a Record of Survey recorded in Book 27 of Surveys, Page 63; thence southerly along the boundary of said parcel the following three (3) courses:

1. S.00°31'58"E. a distance of 628.95 feet;
2. N.89°32'20"E. a distance 520.00 feet;
3. S.00°31'58"E. a distance of 673.00 feet to the north right of way line of Wellesley Avenue; thence along said north right of way line a distance of 444.33 feet; thence N.00°23'58"W. a distance of 208.70 feet; thence S.89°32'20"W. a distance of 208.70 feet to the Northeast corner of Short Plot No. 83-270 as filed in Book 3 of Short Plots, Page 3 in the Spokane County Auditor's Office; thence along the boundary of said Short Plot the following five (5) courses:

1. S.00°23'58"E. a distance of 203.70 feet;
2. S.89°32'20"W. a distance of 208.70 feet;
3. N.00°23'58"W. a distance of 203.70 feet;
4. S.89°32'20"W. a distance of 208.70 feet;
5. S.00°23'58"E. a distance of 208.70 feet to the North right of way line of Wellesley Avenue; thence S.89°32'20"W. a distance of 280.00 feet; thence N.00°23'58"W. a distance of 489.32 feet to the beginning of a non-tangent curve concave to the southwest having a radius of 330.00 feet (from which a radial line bears S.39°07'12"W.); thence northeasterly along said curve through a central angle of 02°15'51" an arc distance of 30.32 feet to the beginning of a reverse curve concave to the northeast having a radius of 360.00 feet; thence northerly along said curve through a central angle of 47°57'42" an arc distance of 301.35 feet; thence S.89°48'22"W. parallel with the North of the South Half of the Southwest Quarter of said Section 32, a distance of 447.55 feet to the West line of said Section 32; thence N.00°46'02"W. along said West line a distance of 540.04 feet to the Point of Beginning;

Containing 39.23 Acres, more or less



CERTIFICATION STATEMENT: I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL PLAN MEETS THE E.S.C. REQUIREMENTS AS LISTED IN CHAPTER 4.5 OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT.

DAVID N. RANDALL, P.E.

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.

STREET CONSTRUCTION PLANS
FRASER ESTATES
EROSION AND SEDIMENT CONTROL
SPOKANE COUNTY, WASHINGTON

Sheet Title
EROSION AND SEDIMENT CONTROL
C1.12
Straw - Nurture

DEVELOPER'S APPROVAL _____ DATE _____

P.1864
Coy A. Bull

