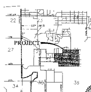
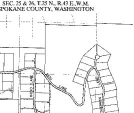
COVER SHEET
FOR
MORGAN MURPHY ESTATES
STREET AND STORM DRAINAGE PLANS

SEC. 25 & 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

OFFICIAL PUBLIC DOCUMENT ORIGINAL "AS-BUILTS" CERTIFIED RECORD DRAWINGS PROJECT #: 21787 DATE ACCEPTED:



VICINITY MAP
NO SCALE



COPY

SPOKANE COUNTY ENGINEER'S OFFICE OFFICIAL PUBLIC DOCUMENT ORIGINAL CONSTRUCTION PLANS

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1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 1998", 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. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE ACCEPTED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
4. 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.
5. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000, BEFORE YOU DIG.
6. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THEY SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, CLC ASSOCIATES, JOHN SAWYERS, P.E. @ 458-6840, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, S.I. NORTHWEST, BRUCE HOWARD @ 521-9711, AND THE SPOKANE COUNTY ENGINEER'S OFFICE @ 477-3600.
7. FOR CONSTRUCTION OF DRY WELLS, INSTALL FILTER FABRIC "AMOCO" 4545 OR APPROVED EQUIVALENT, BETWEEN THE DRYWELL BACKING AND THE WASHED DRAIN ROCK, AND BETWEEN THE WASHED DRAIN ROCK AND NATIVE SOILS. SEE SPOKANE COUNTY STANDARD DETAILS B-1 AND B-1A.
8. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL CATCH BASINS AND DRY WELLS FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC BETWEEN THE RIM AND GRATE 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 A DRYWELL OR CATCH BASIN, THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN TO THE SATISFACTION OF THE CERTIFYING ENGINEER.
9. ALL DRYWELL CONNECTION PIPES SHALL BE PLACED BELOW THE DRYWELL CONCRETE CAP AND SHALL FLOW AS DIRECTED IN THE PLANS.
10. ALL CURB DROP INLETS ARE TO HAVE A 2" DEPRESSION PER FIGURE 4A, PAGE B-64 OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ALL GUTTER INLETS SHALL BE CONSTRUCTED PER STANDARD DETAIL B-16.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DIRT, MUD, AND OTHER CONSTRUCTION DEBRIS WHICH MAY ACCUMULATE ON PAVED STREETS ADJACENT TO THE SITE AS A RESULT OF THE CONSTRUCTION ACTIVITY. CLEANING SHALL BE ON AN "AS NEEDED" BASIS USING WATER UNDER PRESSURE. SWEEPING AND WATER SHALL BE USED WHEN WATER PRESSURE ALONE WILL NOT WASH THE CONSTRUCTION DEBRIS FROM THE STREET.
12. FOR ANY CURB GRADE LESS THAN 0.8% (DIVIDING [illegible]), A WASHINGTON STATE PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES 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.
13. 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-GUTTER SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF THE CONCRETE GUTTER.
14. THE FLOOR OF A GRASSED PERCOLATION AREA (G.P.A.) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE AND THE SIDESLOPES OF THE SWALE UP TO THE G.P.A. OVERFLOW ELEVATION OR TOP OF DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE G.P.A. 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 G.P.A. SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING FINISHED LANDSCAPING AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THE MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.

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 CRITIC 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 RIGHT OF EASEMENTS SHALL BE INSPECTED AND APPROVED BY THE SPOKANE INSPECTOR INSPECTION SURVICES 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 COUNTY OF SPOKANE 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 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 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 DRY 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 NON-PUBLIC ROADS AND ROADS TO THE COUNTY OF SPOKANE BEFORE BEGINNING ANY WORK ON THESE ROADS. CONTRACTOR SHALL BEGIN WORK ONLY AFTER THE COUNTY OF SPOKANE APPROVES THE PHASING PLAN, AND A PRECONSTRUCTION MEETING IS HELD BETWEEN THE COUNTY OF SPOKANE 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 6:30 A.M. AND 10:00 P.M. EVERYDAY UNLESS OTHERWISE APPROVED BY THE COUNTY OF SPOKANE.
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 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.

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.

[signature] 5/30/02
DEVELOPER'S APPROVAL DATE

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

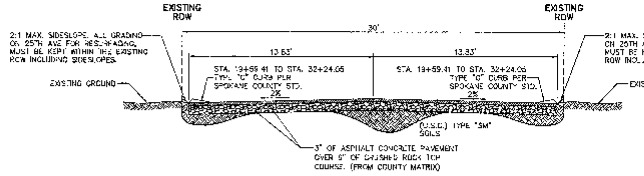
PREPARED UNDER THE DIRECT SUPERVISION OF JOHN FRANK SAWYERS WASHINGTON REGISTERED PE [illegible] FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

STREET & DRAINAGE CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
COVER SHEET
SPOKANE COUNTY, WA

Sheet Title
STREET & STORM DRAINAGE PLANS
S1.00
Sheet Number

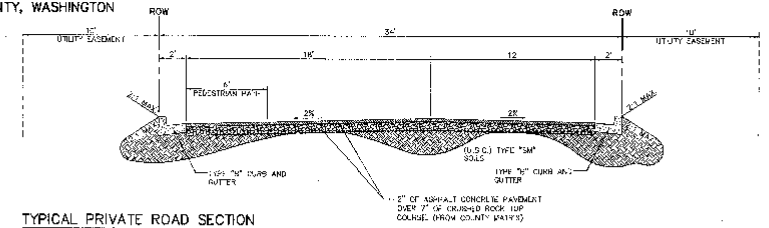
P-1787 ENG. ROAD & DRAINAGE (As-Builts)

SEC. 25 & 26, T.25 N., R.43 E., W.M.
SPOKANE COUNTY, WASHINGTON



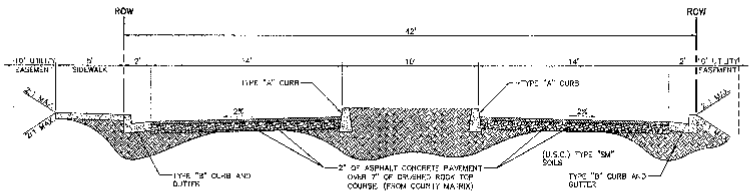
TYPICAL PUBLIC ROAD SECTION

25TH AVENUE – STA. 10+00 TO STA. 32+24.05
NOT TO SCALE



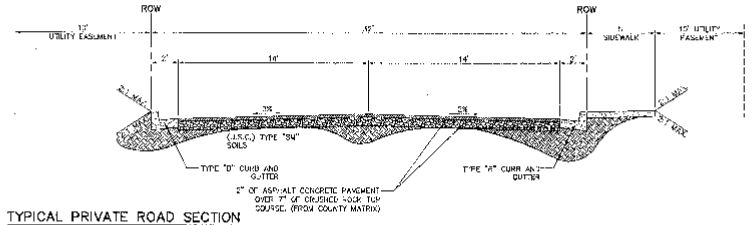
TYPICAL PRIVATE ROAD SECTION

25TH LANE – STA. 43+60.83 TO STA. 89+92.28
THIERMAN LANE – STA. 10+00 TO STA. 25+30.62
NOT TO SCALE



TYPICAL PRIVATE ROAD SECTION

25TH LANE – STA. 32+24.05 TO STA. 32+59.05
NOT TO SCALE



TYPICAL PRIVATE ROAD SECTION

RADIO LANE – STA. 10+00 TO STA. 20+34.74
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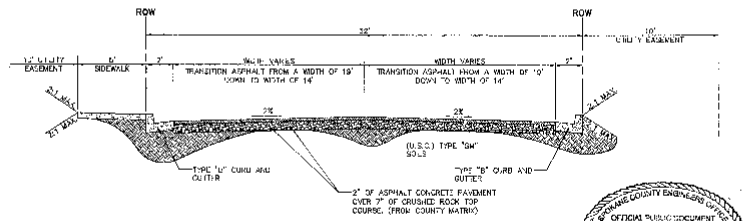
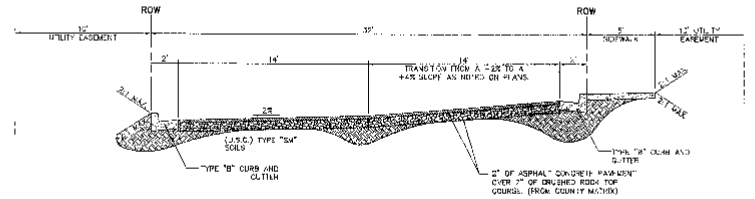


TYPICAL PRIVATE ROAD SECTION

25TH LANE – STA. 32+59.05 TO STA. 32+85.25
NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT OF RECORD
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P17267
DATE ACCEPTED: 5/28/02

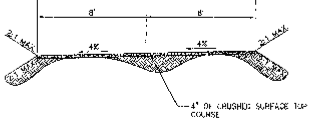


TYPICAL PRIVATE ROAD SECTION

RADIO LANE – STA. 20+34.74 TO STA. 21+34.74
NOT TO SCALE

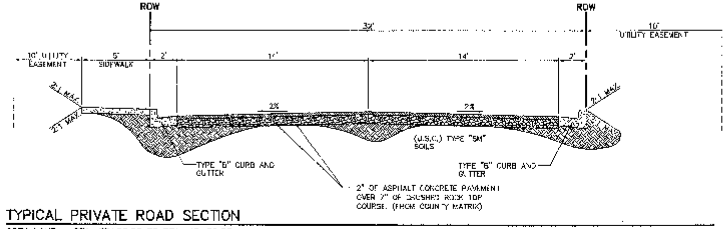
COPY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT OF RECORD
CONSTRUCTION PLANS
PROJECT #: P17267
DATE ACCEPTED: 05-30-02
ACCEPTANCE EXPIRES: 05-30-04
PROJECT LANE MILES PUBLIC: 0.44 MI.
PROJECT LANE MILES PRIVATE: 1.13 MI.
CONSTRUCTION DOCUMENTS MUST BE KEPT AT THE JOB SITE
REGISTERED OWNER: THE LAND DEVELOPMENT GROUP, INC.
ENGINEER: MACKAY SPOSITO & ASSOCIATES, INC.
ENGINEER'S PHONE NO.: (509) 477-3000
NOTE: THIS PLAN IS VALID FOR ONE YEAR FROM DATE OF ACCEPTANCE



TYPICAL PRIVATE DRIVEWAY SECTION

NOT TO SCALE



TYPICAL PRIVATE ROAD SECTION

25TH LANE – STA. 32+85.25 TO STA. 43+60.83
NOT TO SCALE

Mike Hume
DEVELOPER'S APPROVAL

5/30/02
DATE

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

CLE Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
Spokane, WA 99202
Tel: (509) 838-8064
Fax: (509) 838-8069

EXPIRES 5/30/04

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. MARK DAWKINS REGISTERED PROFESSIONAL ENGINEER NO. 36872 FOR AND ON BEHALF OF CLE ASSOCIATES, INC.

Date	Description
05/30/02	PRELIMINARY PLAN CONSTRUCTION
05/30/02	ISSUED FOR CONSTRUCTION

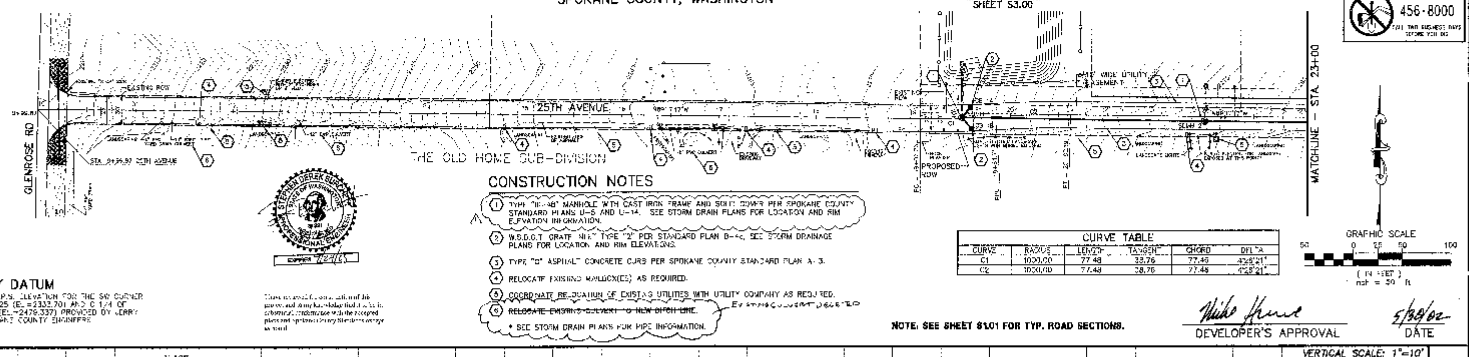
Project Number: 99-0157
CLE Job Number: 99-0157
Drawn By: G.C., VER
Designed By: JFM
Checked By: JFM

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
TYPICAL ROAD CROSS SECTIONS
SPOKANE, WA

Sheet Title
STREET CROSS SECTIONS

S1.01
Sheet Number

SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
(24 HRS THE EARLIEST DAYS BEFORE YOU DIG)

CONSTRUCTION NOTES

1. TYPE "R-48" MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLANS U-5 AND U-14. SEE STORM DRAIN PLANS FOR LOCATION AND RIM ELEVATION INFORMATION.
2. W.S.D.O.T. GRATE INLET TYPE "2" PER STANDARD PLAN B-40. SEE STORM DRAINAGE PLANS FOR LOCATION AND RIM ELEVATIONS.
3. TYPE "D" ASPHALT CONCRETE CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
4. RELOCATE EXISTING MAILBOX(ES) AS REQUIRED.
5. COORDINATE RE-LOCATION OF EXISTING UTILITIES WITH UTILITY COMPANY AS REQUIRED.
6. ~~RELOCATE EXISTING CULVERT @ NEW DITCH LINE.~~ EXISTING CULVERT DELETED

* SEE STORM DRAIN PLANS FOR PIPE INFORMATION.

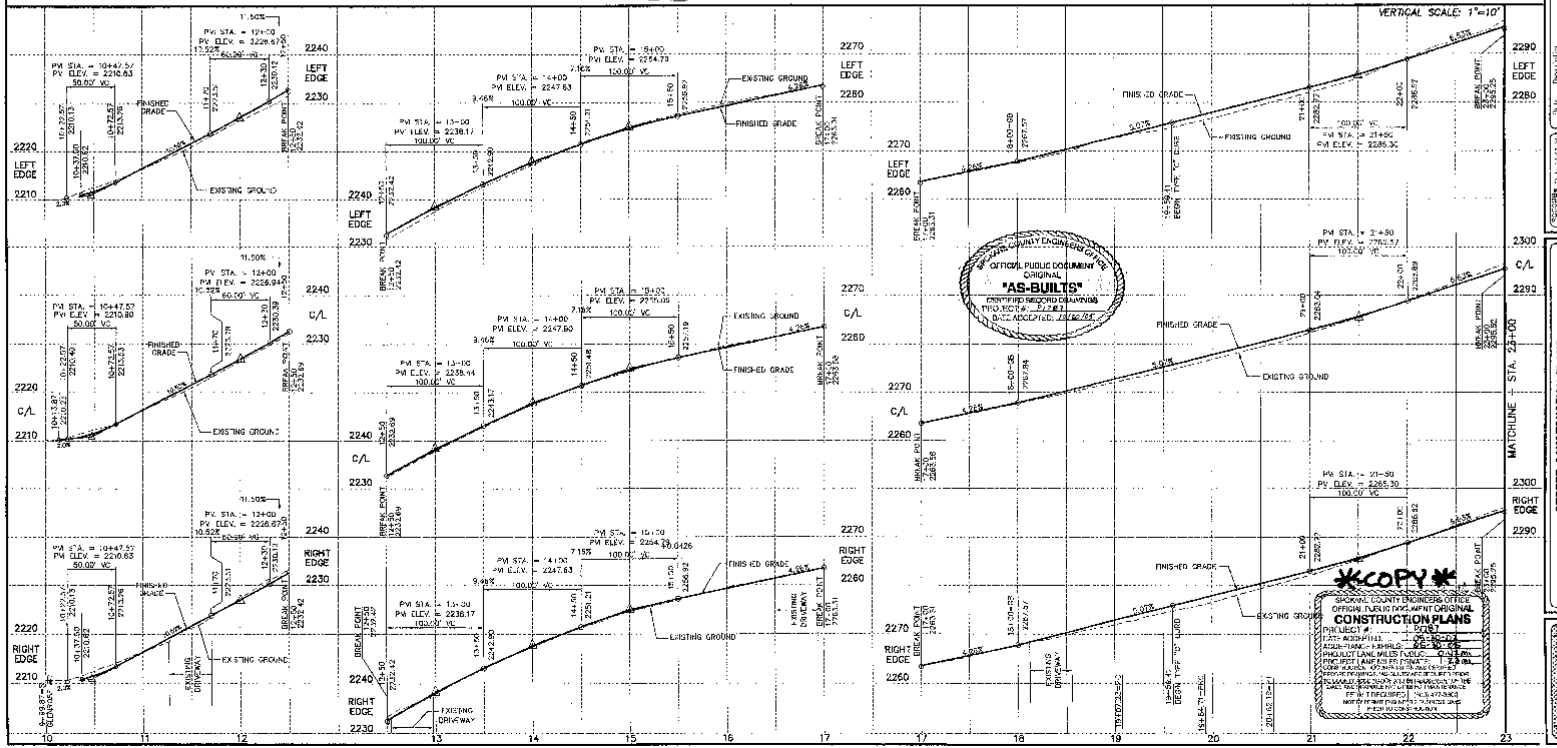
CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	1000.00	77.48	38.76	77.46	4°26'31"
C2	1000.00	77.48	38.76	77.46	4°26'31"

COUNTY DATUM
BASED ON G.P.S. ELEVATION FOR THE S10 CORNER OF SECTION 25 (EL.=2332.701 AD-2 C 1/4 OF SECTION 26 (EL.=2429.337) PROVIDED BY JERRY SIMS, SPOKANE COUNTY ENGINEERS.

NOTE: SEE SHEET S1.01 FOR TYP. ROAD SECTIONS.

DEVELOPER'S APPROVAL — DATE 5/30/02

VERTICAL SCALE: 1"=10'



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWING
TRIO-RECORD #: 02-0811
DATE ADDENDUM(S): 12/06/04

STREET CONSTRUCTION PLANS
MORGAIN MURPHY ESTATES
25TH AVE
STA. 10+00 TO STA. 23+00
SPOKANE COUNTY, WA

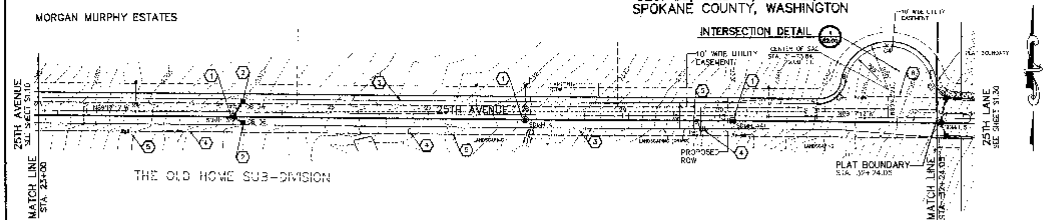
Sheet Title
STREET PLAN AND PROFILE

S1.10
Sheet Number

MORGAN MURPHY ESTATES

SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

INTERSECTION DETAIL



MORGAN MURPHY ESTATES

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C3	30.00	41.25	24.66	38.12	78°51'08"
C4	45.00	170.05	186.33	87.49	152°90'55"
C5	30.00	13.5	7.08	13.78	26°34'27"

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

CONSTRUCTION NOTES

1. TYPE "II -48" MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLANS U-5 AND U-14. SEE STORM DRAIN PLANS FOR LOCATION AND RIM ELEVATION INFORMATION.
2. W.S.D.O.T. CHAMBER INLET TYPE "1" PER STANDARD PLAN S-6. SEE DRAINAGE PLANS FOR LOCATION AND RIM ELEVATIONS.
3. TYPE "C" ASPHALT CONCRETE CURB PER SPOKANE COUNTY STANDARD PLAN A-2.
4. RELOCATE EXISTING MAILBOX(ES) AS REQUIRED.
5. COORDINATE RELOCATION OF EXISTING UTILITIES WITH UTILITY COMPANY AS REQUIRED.
6. REMOVE EXISTING FENCE.

* SEE STORM DRAIN PLANS FOR PIPE INFORMATION.

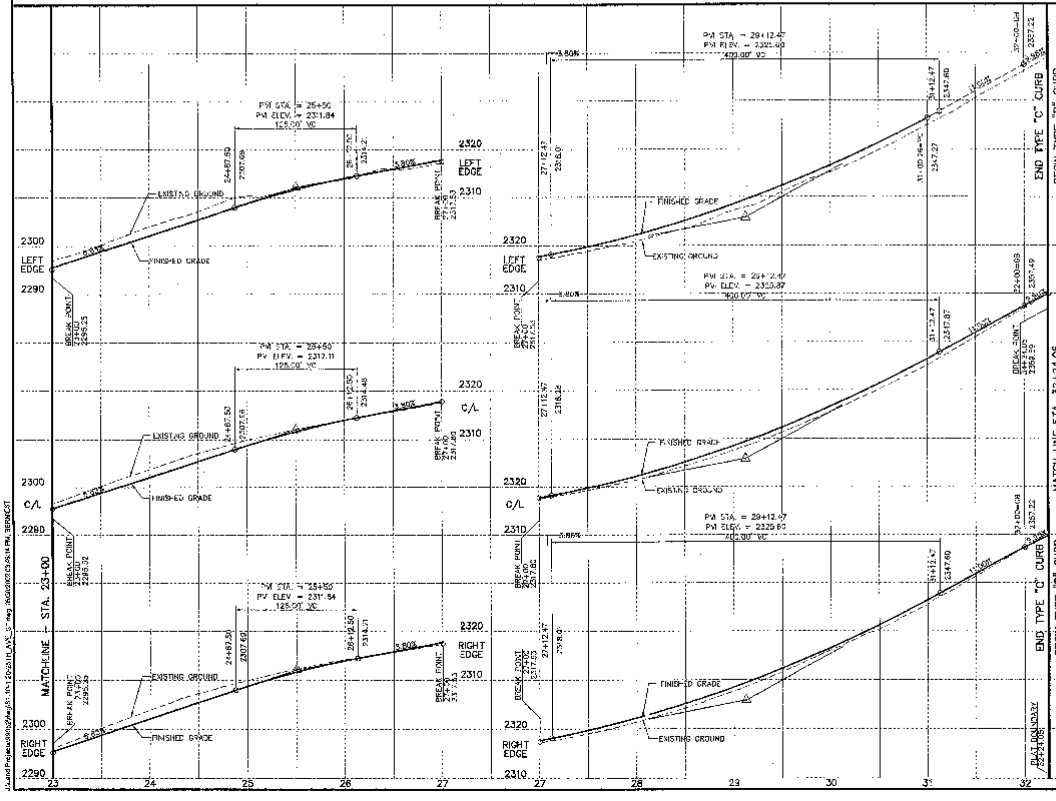
COUNTY DATUM
BASED ON G.P.S. ELEVATION FOR B.E.F. ENGINEER OF SECTION 26 (EL.=2333.70) AND C.L. OF SECTION 25 (EL.=2479.33) PROVIDED BY JERRY SIMMS, SPOKANE COUNTY ENGINEERS

NOTE: SEE SHEET S1.01 FOR TYP. ROAD SECTIONS.

DEVELOPER'S APPROVAL

6/24/02
DATE

VERTICAL SCALE: 1" = 10'



OFFICIAL PUBLIC DOCUMENT
SPOKANE COUNTY ENGINEERS OFFICE
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 01T861
DATE ACCEPTED: 12/20/2002

I have reviewed the construction plans and find that they are in general conformance with the accepted plans and Spokane County Standards governing such work.

* COPY *

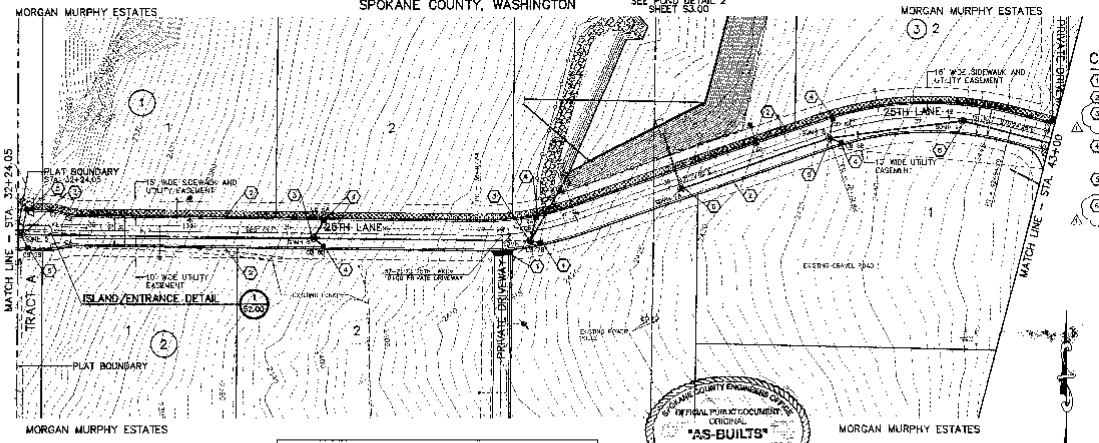
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 01T861
DATE ACCEPTED: 06-30-02
PROJECT ENGINEER EXPIRES: 06-30-03
PROJECT LANE MILES P.J.01T: 0.12 mi.
PROJECT LANE MILES PHASE: 0.12 mi.
PRE-MAINTENANCE PHONE NUMBER: (509) 477-3600
POST-MAINTENANCE PHONE NUMBER: (509) 477-3600

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
25TH AVE
STA. 23+00 TO STA. 32+24.05
SPOKANE COUNTY, WA

Sheet Title
STREET PLAN AND PROFILE

Sheet Number
S1.20

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

CONSTRUCTION NOTES

1. 16' WIDE CEMENT CONCRETE APPROACH PER SPOKANE COUNTY STANDARD PLAN A-7.
2. TYPE "B" CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
3. TYPE "III-48" MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-5 AND U-1A. SEE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION.
4. TYPE "1" CATCH BASIN WITH TYPE "1" METAL FRAME AND TYPE "2" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10 AND B-13. SEE STORM DRAIN PLANS FOR CATCH BASIN LOCATIONS AND RIM ELEVATION INFORMATION.
5. W.S.D.O.T. GRATE INLET TYPE "2". W.S.D.O.T. STANDARD PLAN B-42, SEE STORM DRAINAGE PLANS FOR LOCATION AND RIM ELEVATIONS.
6. TYPE "II-24" MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-5 AND U-1A. SEE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION.

*SEE STORM DRAIN PLANS FOR PIPE INFORMATION

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
AS-BUILTS
CERTIFIED RECORD DRAWINGS
PROJECT # 25-25-1
DATE ACCEPTED: 10/23/06

COPY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
TITLE:
PROJECT #:
DATE ACCEPTED: 06-30-06
ACCEPTANCE EXPIRES: 06-30-08
PROJECT LANE MILES PUBLIC: 0.13 MI
PROJECT LANE MILES PRIVATE: 0.13 MI
RECORD DRAWINGS: NO ACTUAL AS-BUILTS REQUIRED
PERMIT REQUIRED: NON-STORM
NOT A PUBLIC ENGINEERED AS-BUILT DWG
1 SHEET

EXPIRES 12/31/05

There are no other construction or field changes, deviations or modifications to the original plans, specifications and documents as noted.

COUNTY DATUM

BASED ON 2.0' ELEVATION FOR THE SW CORNER OF SECTION 25 (EL.=2333.73) AND C 1/4 OF SECT.(N.) 25 (EL.=2479.337) PROVIDE. BY JERRY SIMMS, SPOKANE COUNTY ENGINEERS

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	49.50	15.72	7.93	15.65	18°11'42"
C2	50.50	16.04	8.09	15.97	18°11'42"
C3	30.00	22.89	12.00	22.43	43°53'56"
C4	50.50	16.04	8.09	15.97	18°11'42"
C5	49.50	15.72	7.93	15.65	18°11'42"
C6	300.00	101.55	51.37	101.07	19°23'41"
C7	330.00	91.68	46.64	186.97	33°18'33"

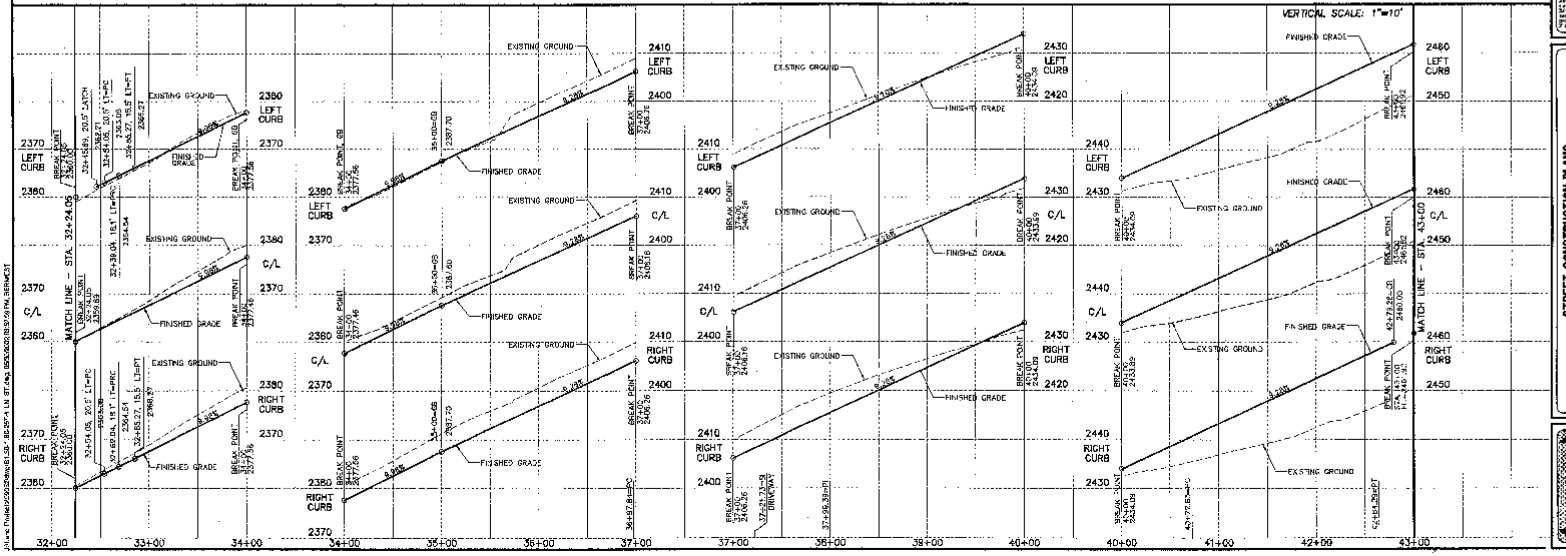
NOTE: SEE SHEET S1.01 FOR TYP. ROAD SECTIONS.

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

DEVELOPER'S APPROVAL

DATE

VERTICAL SCALE: 1"=10'



Spokane, Inc.
Civil Engineers
Surveyors
Landscape Architecture
Land Surveying
S. 110 Stevens, Suite 40
Spokane, WA 99201
Phone (509) 458-2926
Fax (509) 624-2799

23-9-3 5/15/06

THE PARTS UNDER THE DIRECT SUPERVISION OF JOHN FRANK SAWYERS, PE WASHINGTON REGISTRATION NO. 36212 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

DATE	DESCRIPTION
10/06/06	ORIGINAL PLAN PRESENTATION
03/29/07	ROAD SIGNATURE
03/29/07	ROAD & DRAINAGE PLAN

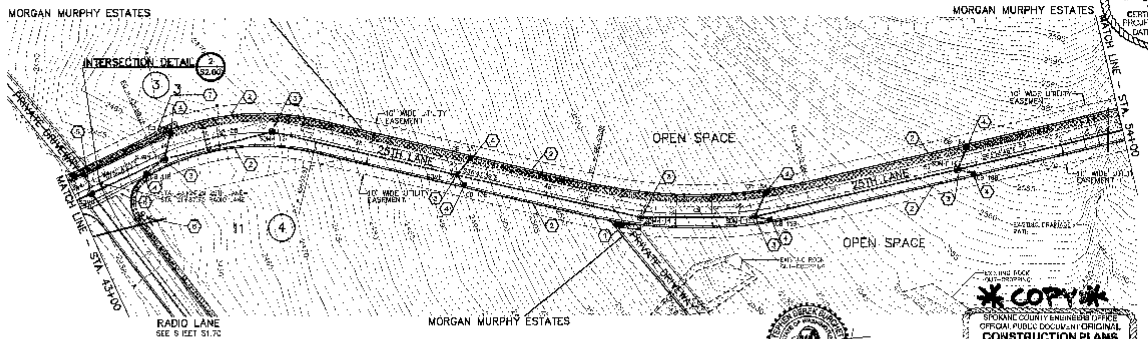
Spokane Co. No. F-1797
C.L.C. Number 0990C02
Drawn by: CLC, VCK
Designed by: JFS
Checked by: JFS

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
25TH LANE
STA. 32+24.05 TO STA. 43+00
SPOKANE COUNTY, WA

Sheet Title
STREET PLAN AND PROFILE

S1.30
Sheet Number

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 01-2251
CERTIFIED DATE: 10/26/2010

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO WEEKS PRIOR BEFORE YOU DIG

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

CONSTRUCTION NOTES

1. 18" WIDE CEMENT CONCRETE APPROACH PER SPOKANE COUNTY STANDARD PLAN A-7.
2. TYPE "B" CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
3. TYPE "I-48" MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-5 AND U-14. SEE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION.
4. TYPE "1" CATCH BASIN WITH TYPE "1" METAL FRAME AND TYPE "2" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10 AND B-13. SEE STORM DRAIN PLANS FOR CATCH BASIN LOCATIONS AND RIM ELEVATION INFORMATION.
5. TYPE "M-54" MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-1 AND U-14. SEE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION
6. CROSS GUTTER TYPE "1", CASE "2" PER SPOKANE COUNTY STANDARD PLAN B-18.
7. CONSTRUCT HANDICAP CURB RAMP PER SPOKANE COUNTY STD PLAN A-5. SEE INTERSECTION DETAIL 2, SHEET C2.02.
8. INSTALL STREET NAME SIGN PER SPOKANE COUNTY STD PLAN A-16.

*SEE STORM DRAIN PLANS FOR PIPE INFORMATION

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C2	250.00	165.77	87.74	162.84	38°00'00"
D3	500.00	251.28	127.75	229.22	28°30'09"

COUNTY DATUM
BASED ON G.P.S. ELEVATION FOR 6-8-28 CORNER OF SECTION 24 (E.=2133.71) AND C 1/4 OF SECTION 25 (E.=2478.337) PROVIDED BY JERRY SIMMS, SPOKANE COUNTY ENGINEERS

EXPIRES 12/31/10

This construction plans set is the best information available. Contractor shall field verify all information and report any discrepancies to the engineer prior to construction.

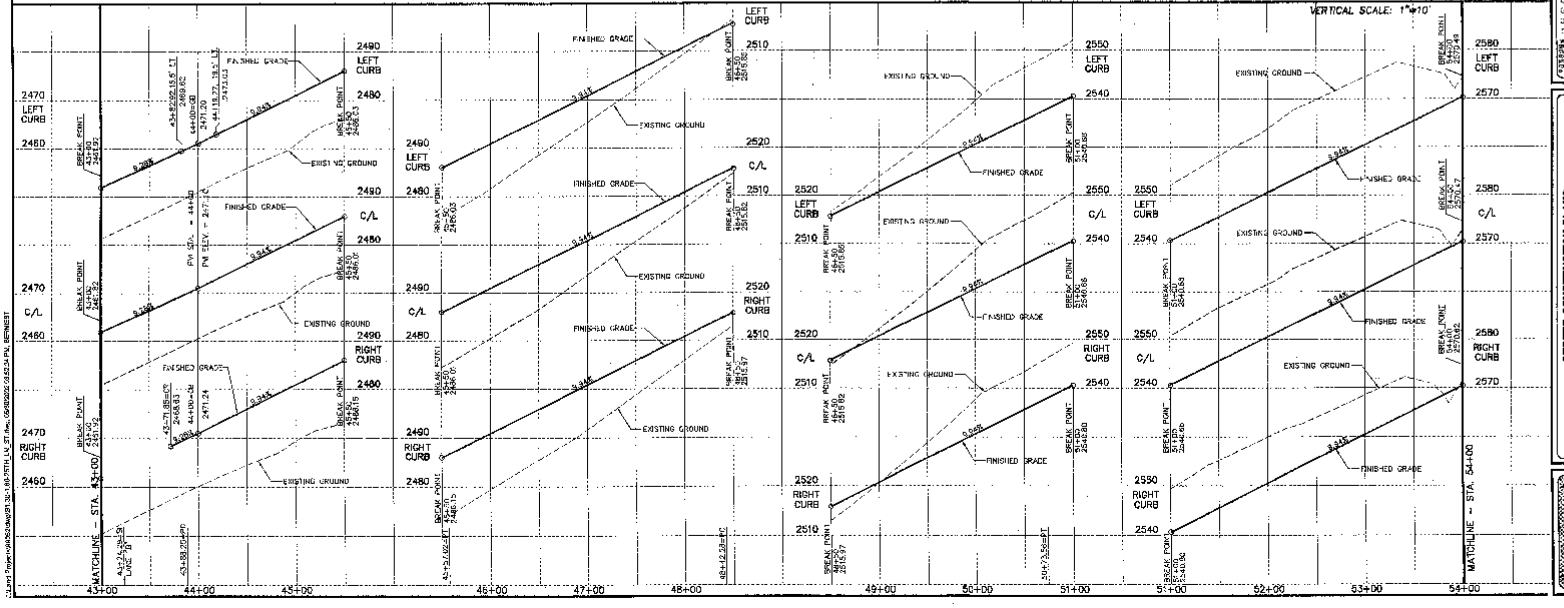
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 07101
DATE ACCEPTED: 09/20/07
ACCEPTANCE EXPIRES: 09/20/08
PRIVATE LANE MILES PUBLIC: 0.00 MI.
PRIVATE LANE MILES PRIVATE: 0.00 MI.
RECORD DRAWINGS: THIS PLAN IS A PUBLIC RECORD DRAWING. THIS PLAN IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. ANY AND ALL USE OF THIS PLAN IS AT THE USER'S SOLE RISK. NO REPRESENTATION OR WARRANTY IS MADE. NO ADDITIONAL OR DIFFERENT LEGAL RIGHTS OR OBLIGATIONS ARE CREATED BY THIS PLAN.

COPY

NOTE: SEE SHEET S1.01 FOR TYP. ROAD SECTIONS.

DEVELOPER'S APPROVAL — DATE 5/30/02

VERTICAL SCALE: 1"=10'



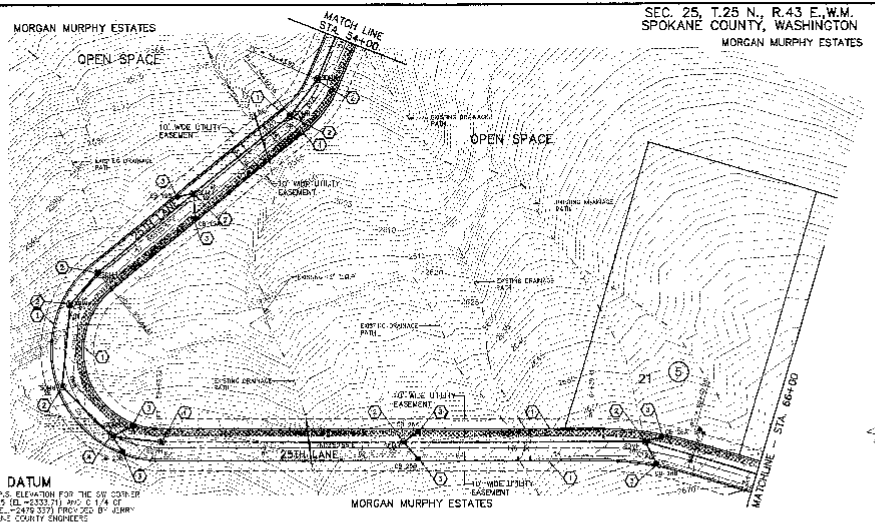
Spokane Co. No. 99-1200
C.L.O. Number 5810002
Drawn By: CLL
Designed By: JKS
Checked By: JKS

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
25TH LANE
STA. 43+00 TO STA. 54+00
SPOKANE COUNTY, WA

Sheet Title
STREET PLAN AND PROFILE

S1.40
Sheet Number

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



CONSTRUCTION NOTES

1. TYPE "B" CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
2. TYPE III-48 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-9 AND U-14. SEE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION.
3. TYPE "1" CATCH BASIN WITH TYPE "1" METAL FRAME AND TYPE "2" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10 AND B-13. SEE STORM DRAIN PLANS FOR CATCH BASIN LOCATIONS AND RIM ELEVATION INFORMATION.
4. TYPE I-48S MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-1 AND U-14. SEE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION.

*SEE STORM DRAIN PLANS FOR PIPE INFORMATION

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

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

SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORDED DRAWINGS
PROJECT #: P1797
DATE ACCEPTED: 08/08/05

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	100.00	45.23	23.09	17.75	27°37'56"
C11	100.00	240.31	278.95	188.27	140°33'14"
C12	350.00	100.67	50.69	100.33	16°28'50"

STATE OF WASHINGTON
BERK BERKEY
EXPIRES 12/31/05

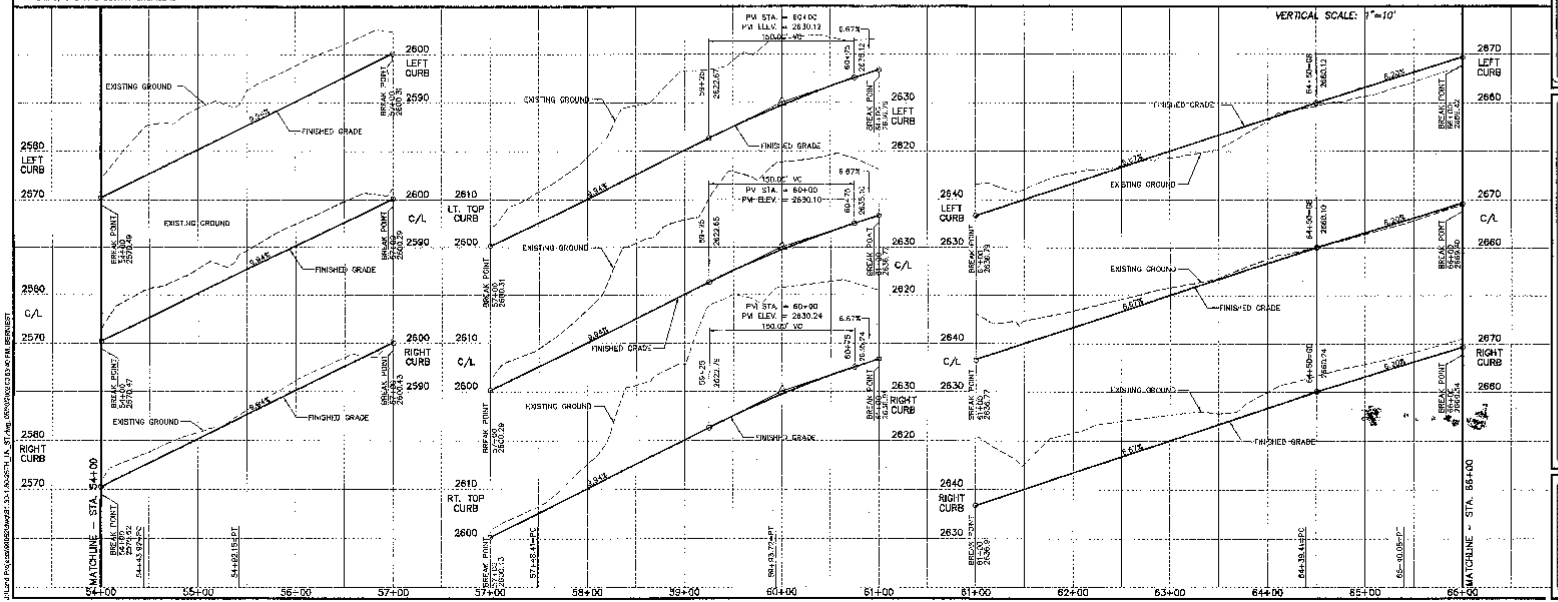
COPY

SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1797
DATE ACCEPTED: 08-07-02
ACCEPTANCE EXPIRES: 02-06-03
PROJECT LANE MILES: 0.1
PROJECT ENGINEER: BERKEY
DEVELOPER'S APPROVAL: 5/30/02
INCLUDES DRAINAGE, INCIDENTS AND REQUIRED PUBLIC IMPROVEMENTS. THIS DOCUMENT MUST BE ON THE JOB SITE AT ALL TIMES. ROADS AND RIGHT-OF-WAY ARE ACCEPTED FOR MAINTENANCE.
PERMIT REQUIRED (509) 477-4800
NOTE: PERMIT EXPIRES 1 YEAR FROM ISSUE DATE
SEE ON REVERSE SIDE FOR

Mike Hume
DEVELOPER'S APPROVAL
5/30/02
DATE

NOTE: SEE SHEET S1.01 FOR TYP. ROAD SECTIONS.

VERTICAL SCALE: 1"=10'



Spokane Co. No. P1797
L.L.C. Number 99-0.0.2
Drawn By G.K.
Designed By J.S.
Checked By JPS

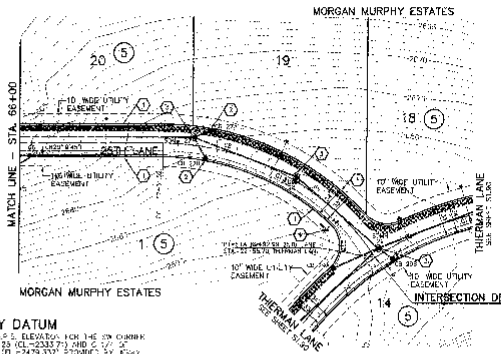
STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
25TH LANE
STA. 54+00 TO STA. 66+00
SPOKANE COUNTY, WA

Sheet 7 No.
STREET PLAN AND PROFILE
S1.50
Sheet Number

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

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

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



CONSTRUCTION NOTES

1. TYPE "B" CURB PER SPOKANE COUNTY STANDARD PLAN A-3
2. TYPE "1" CATCH BASIN WITH TYPE "1" METAL FRAME AND TYPE "2" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10 AND B-13. SEE STORM DRAIN PLANS FOR CATCH BASIN LOCATIONS AND RIM ELEVATION INFORMATION.
3. TYPE I-4SS MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-1 AND U-14. SEE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION.
4. INSTALL STREET NAME SIGN PER SPOKANE COUNTY STD PLAN A-18.

*SEE STORM DRAIN PLANS FOR PIPE INFORMATION

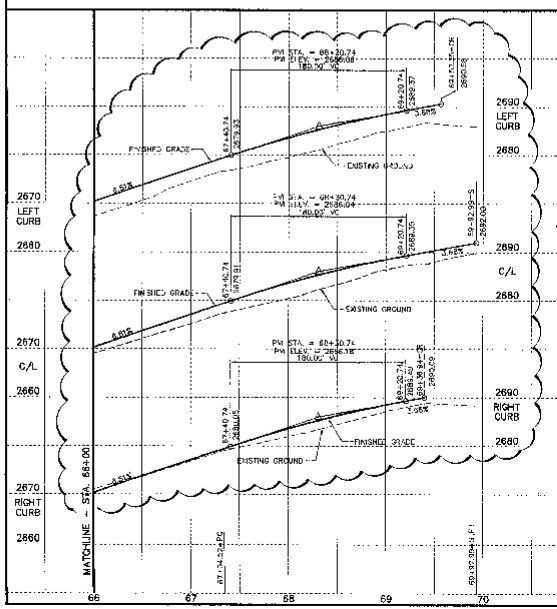
CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C13	262.18	268.46	143.82	246.12	58°28'58"
C14	30.00	39.97	22.18	36.95	76°34'17"
C15	30.00	48.69	32.69	44.20	91°54'24"
C16	328.85	274.32	146.0	267.04	47°48'49"

COUNTY DATUM
BASED ON G.P.S. ELEVATION FOR THE SW CORNER OF SECTION 29 (EL.=2335.73) AND C 1/4 OF SECTION 25 (EL.=2479.33) PROVIDED BY JOHN SWAGS, SPOKANE COUNTY ENGINEERS

NOTE: SEE SHEET S1.01 FOR TYP. ROAD SECTIONS.

DEVELOPER'S APPROVAL 6/12/03 DATE

VERTICAL SCALE: 1"=10'



OFFICIAL PUBLIC DOCUMENT ORIGINAL "AS-BUILTS" CERTIFIED RECORD DRAWINGS PROJECT #: P-1767 DATE ACCEPTED: 12/10/07

OFFICIAL PUBLIC DOCUMENT ORIGINAL

COPY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1767
LIMITS ACCEPTED: Dec 10 '03
ACCEPTANCE DEFINED: 05 - 90 - 04 - 04
PROJECT LANE MILES PUBLIC: 0.95
PROJECT LANE MILES PRIVATE: 1.35
PROJECT ROAD MILES DEDICATED TO COUNTY: 0.95
RECORD DRAWINGS NO SENT/ NOT REQUIRED
TO COUNTY ACCEPTANCE IN ACCORDANCE WITH OF THE ROADS AND DRAINAGE AND LINES FOR MAINTENANCE.
PERMIT RECEIVED: (NOT) 47 2000
MONTH STARTED: 09 '03 - 8 WORKING DAYS
PLAN ID CONFIGURATION

* Revised *
06/10/03

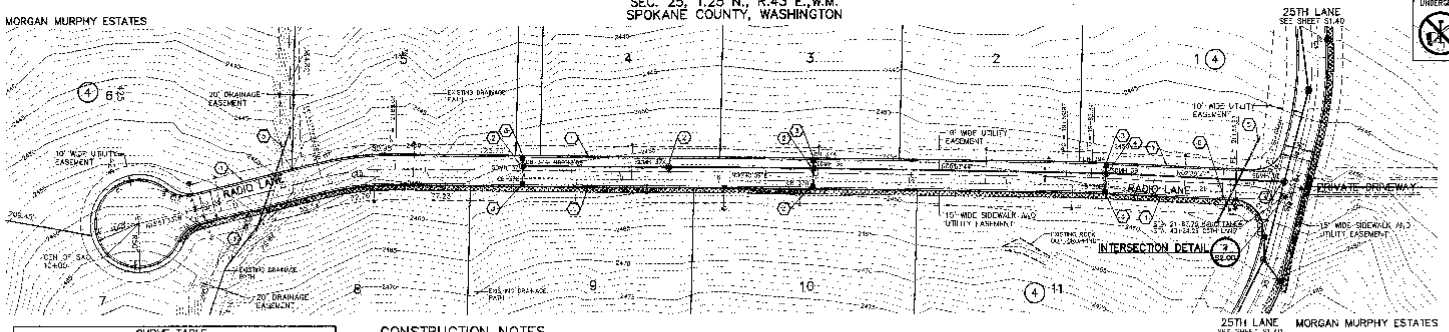
STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
25TH LANE
STA. 66+00 TO STA. 69+92.98
SPOKANE COUNTY, WA

Sheet Title
STREET PLAN AND PROFILE

S1.60
Sheet Number

Spokane Co. No. P-1767
C.L.C. Number 3944-06
Drawn By: C.H., MDH
Designed By: JS
Checked By: JS

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C3	330.00'	191.66'	98.82'	189.07'	33°16'33"
C4	250.00'	168.77'	87.74'	165.58'	38°40'46"
C10	300.00'	76.86'	38.34'	76.65'	14°40'42"
C11	150.00'	31.22'	15.66'	31.19'	11°26'-0"
C12	30.00'	27.47'	14.84'	26.51'	52°39'-0"
C13	30.00'	27.57'	14.84'	26.61'	53°39'-0"
C14	30.00'	40.87'	24.32'	37.79'	78°03'02"
C15	30.00'	53.37'	37.00'	46.61'	101°58'08"

CONSTRUCTION NOTES

1. TYPE "B" CURB PER SPOKANE COUNTY STANDARD PLAN A-5.
2. TYPE 1-48 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-6 AND U-14, SEE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION.
3. TYPE "1" CATCH BASIN WITH TYPE "1" METAL FRAME AND TYPE "B" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, D-10 AND B-13. SEE STORM DRAIN PLANS FOR CATCH BASIN LOCATIONS AND RIM ELEVATION INFORMATION.
4. TYPE 1-48S MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-1 AND U-14. SEE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION.
5. PROPOSED CULVERT. SEE STORM DRAIN PLANS.
6. INSTALL STREET NAME SIGN PER SPOKANE COUNTY STD PLAN A-16.

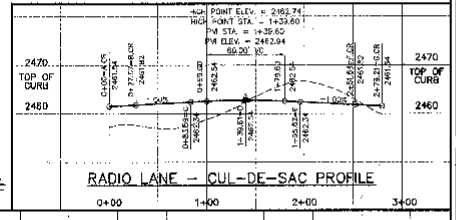
SEE STORM DRAIN PLANS FOR PIPE INFORMATION

GRAPHIC SCALE
50 0 25 50 100

OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWING
PROJECT #: P-787
DATE ACCEPTED: 5/10/02

DEVELOPER'S APPROVAL

5/10/02
DATE

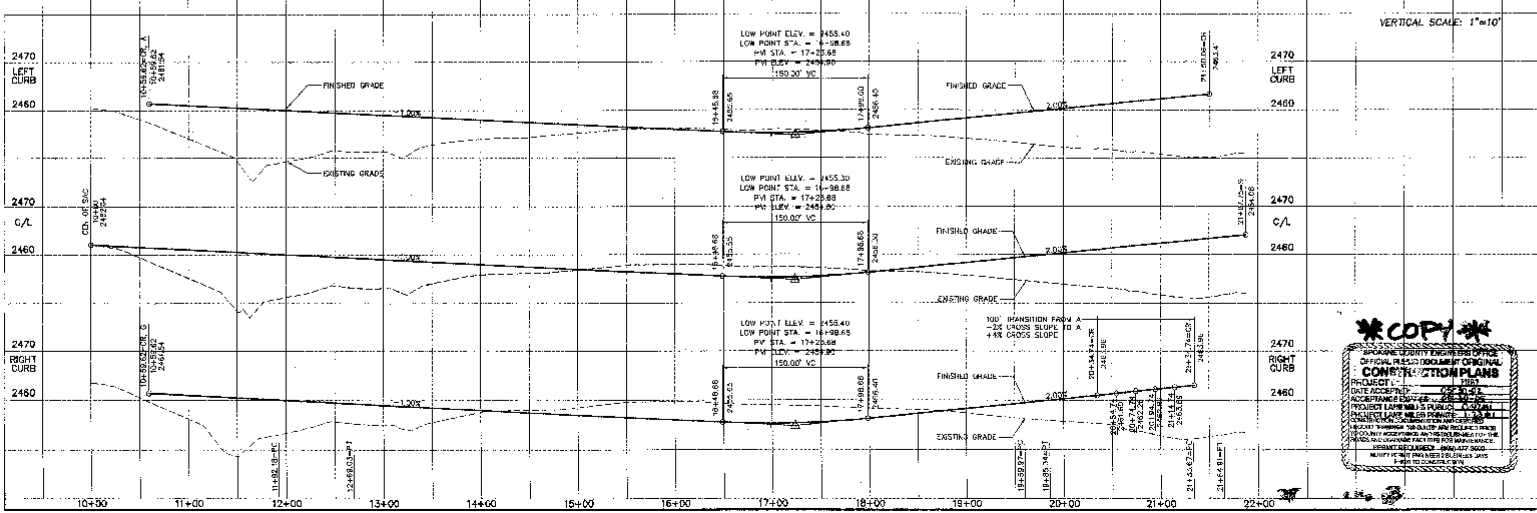


RADIO LANE – CUL-DE-SAC PROFILE

COUNTY DATUM

FAIRED ON G.T.S. ELEVATION FOR THE SW CORNER OF SECTION 25 (EL.=2313.71) AND D 1/4 OF SECT 24 (EL.=2 79.237) PROVIDED BY JERRY DAWES, SPOKANE COUNTY ENGINEERS

NOTE: SEE SHEET S1.01 FOR TYP. ROAD SECTIONS.



COPY

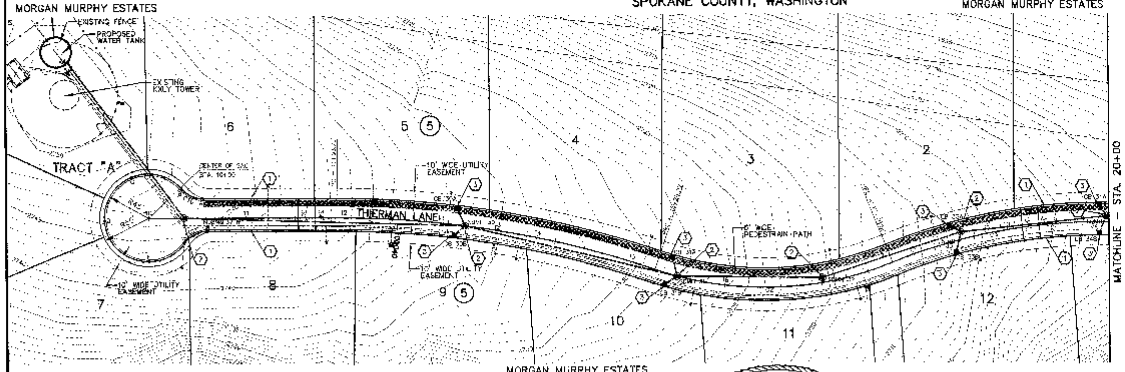
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-787
DATE ACCEPTED: 02-10-01
ACCEPTANCE EXPIRES: 02-10-03
PROJECT LAPSE NO. 1 PUBLIC WORKS:
PROJECT LAPSE NO. 2 PRIVATE:
CONSTRUCTION COMMENCEMENT REQUIRED
PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, THE PROJECT MUST BE ACCEPTED AND THE FEES PAID IN FULL
THE ROADS ARE ACCEPTED FOR MAINTENANCE
MINIMUM REQUIRED: 2000-02-FY 2002
MUNICIPALITY PAID NEED BUILDER'S SIGN
PER SCC 3.02.0200

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
RADIO LANE
STA. 10+00 TO STA. 21+87.75
SPOKANE COUNTY, WA

Sheet Title
STORM DRAIN PLAN AND PROFILE

S1.70
Sheet Number

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



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

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

CONSTRUCTION NOTES

1. TYPE "B" CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
2. TYPE II-48 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-5 AND U-14. SEE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION.
3. TYPE "D" CATCH BASIN WITH TYPE "1" METAL FRAME AND TYPE "2" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN B-6, B-12 AND D-13. SEE STORM DRAIN PLANS FOR CATCH BASIN LOCATIONS AND RIM ELEVATION INFORMATION.

*SEE STORM DRAIN PLANS FOR PIPE INFORMATION

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	1000.00	332.23	167.66	330.71	9°02'06"
C2	280.00	260.53	139.99	251.11	53°20'44"
C3	570.00	242.59	122.32	241.06	24°23'52"
C10	30.00	25.50	13.88	24.74	48°42'02"
C11	30.00	28.06	15.47	27.20	54°22'52"

OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1243
DATE ACCEPTED: 10/20/06

EXPIRES 11/30/06

Mike Shume
DEVELOPER'S APPROVAL

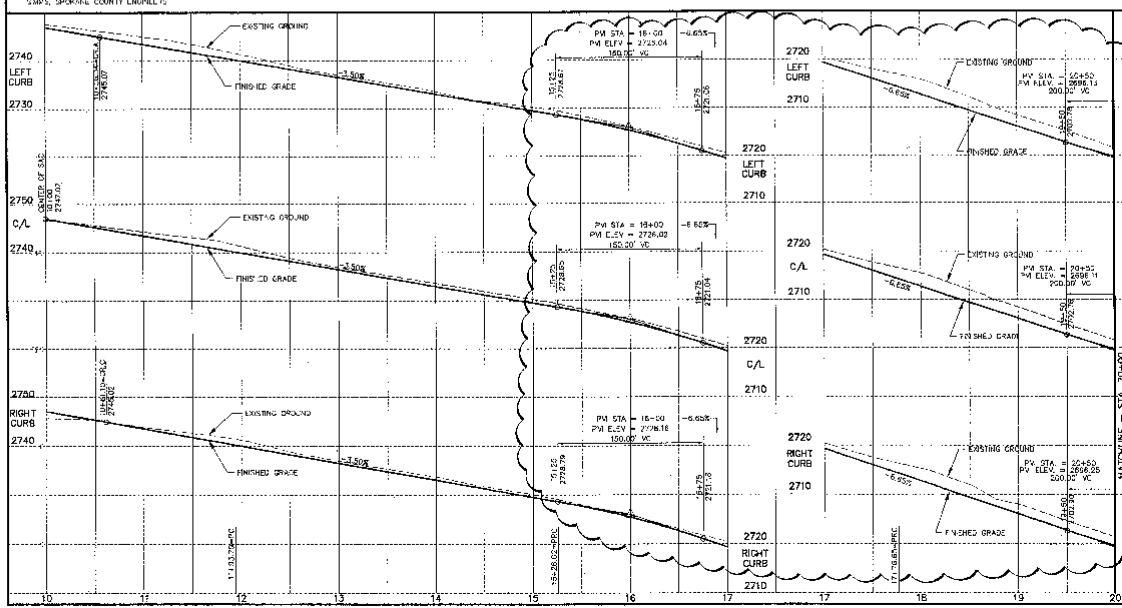
6/10/03
DATE

NOTE: SEE SHEET S1.01 FOR TYP. ROAD SECTIONS.

COUNTY DATUM

BASED ON GPS ELEVATION FOR THE SW CORNER OF SECTION 25 (EL.=2332.70) AS PER SECTION 25 (EL.=2478.327) PROVIDED BY JERRY SMITS, SPOKANE COUNTY ENGINEERS

VERTICAL SCALE: 1"=10'



COPY

SPOKANE COUNTY PUBLIC WORKS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1243
DATE ACCEPTED: 06/10/03
ACCEPTANCE EXPIRES: 09/10/04 (2Y)
PROJECT LANE MILES PUBLIC: 0.15
PROJECT LANE MILES PRIVATE: 1.85
RECORD DRAWINGS INDICATE ARE NOT REQUIRED BY SPOKANE COUNTY AND THAT ARE ESTIMATED AT 0% TO BE PUBLIC AND ENGINEER ACCEPT 0% TO BE PRIVATE LANES
PERMIT REQUIRED (509) 477-3600
NOTIFY PUBLIC WORKS 24 HOURS BEFORE PUBLIC CONSTRUCTION

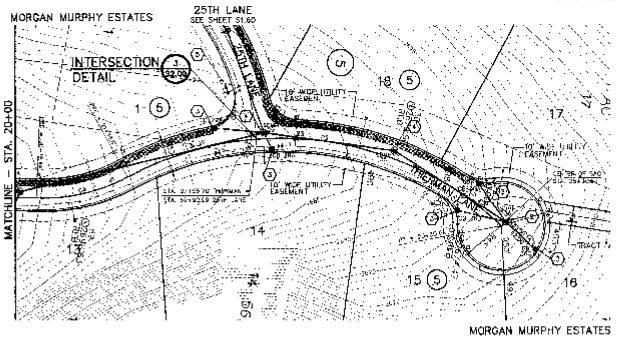
Revised 06/10/03

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
THIERMAN LANE
STA. 10+00 TO STA. 20+00
SPOKANE COUNTY, WA

Sheet Title:
STREET PLAN AND PROFILE

S1.80
Sheet Number

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



CONSTRUCTION NOTES

1. TYPE "B" CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
2. TYPE III-48 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-5 AND U-14. SEE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION.
3. TYPE "1" CATCH BASIN WITH TYPE "1" METAL FRAME AND TYPE "2" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN B-6, B-10 AND B-13. SEE STORM DRAIN PLANS FOR CATCH BASIN LOCATIONS AND RIM ELEVATION INFORMATION.
4. TYPE I-48S MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-1 AND U-14. SEE MANHOLE STORM DRAIN PLANS FOR MANHOLE LOCATIONS AND RIM ELEVATION INFORMATION.
5. INSTALL STREET NAME SIGN PER SPOKANE COUNTY STD PLAN A-18

*SEE STORM DRAIN PLANS FOR PIPE INFORMATION.

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	160.00	97.27	49.93	96.04	33°58'49"
C5	339.00	413.94	233.72	387.33	71°53'37"
C12	30.00	49.83	32.09	44.20	94°34'24"
C13	30.00	21.85	11.49	30.21	60°12'12"
C14	30.00	22.19	12.21	22.05	44°17'33"
C15	30.00	38.93	22.76	36.28	74°25'11"

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

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: F1787
DATE ACCEPTED: 10/10/2003

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
30

STATE OF WASHINGTON
JOHN F. SAWYERS
EXPIRES 12/31/07

Electronic copies of this document are not to be used for any other purpose or project without written authorization of the professional engineer who prepared it.

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

Terra Associates, Inc.
Planning
Engineering
Surveying
Landscape Architecture
Land Surveying
P.O. Box 1048 Spokane, WA 99210
Phone: 509-924-7990
Fax: 509-924-9290

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAWYERS, P.E.
WASHINGTON REGISTRATION NO. 34377
FOR AND ON BEHALF OF
ELIO ASSOCIATES, INC.

DESCRIPTION OF REVISIONS
SEE SHEET S1.60 FOR DETAILS
SPOKANE CUNNINGHAM TO SPOKANE DURING CONSTRUCTION

Project Number: 92000
CAD File Number: 2000
Drawn By: C.K., K.B.
Designed By: J.F.S.
Checked By: J.F.S.

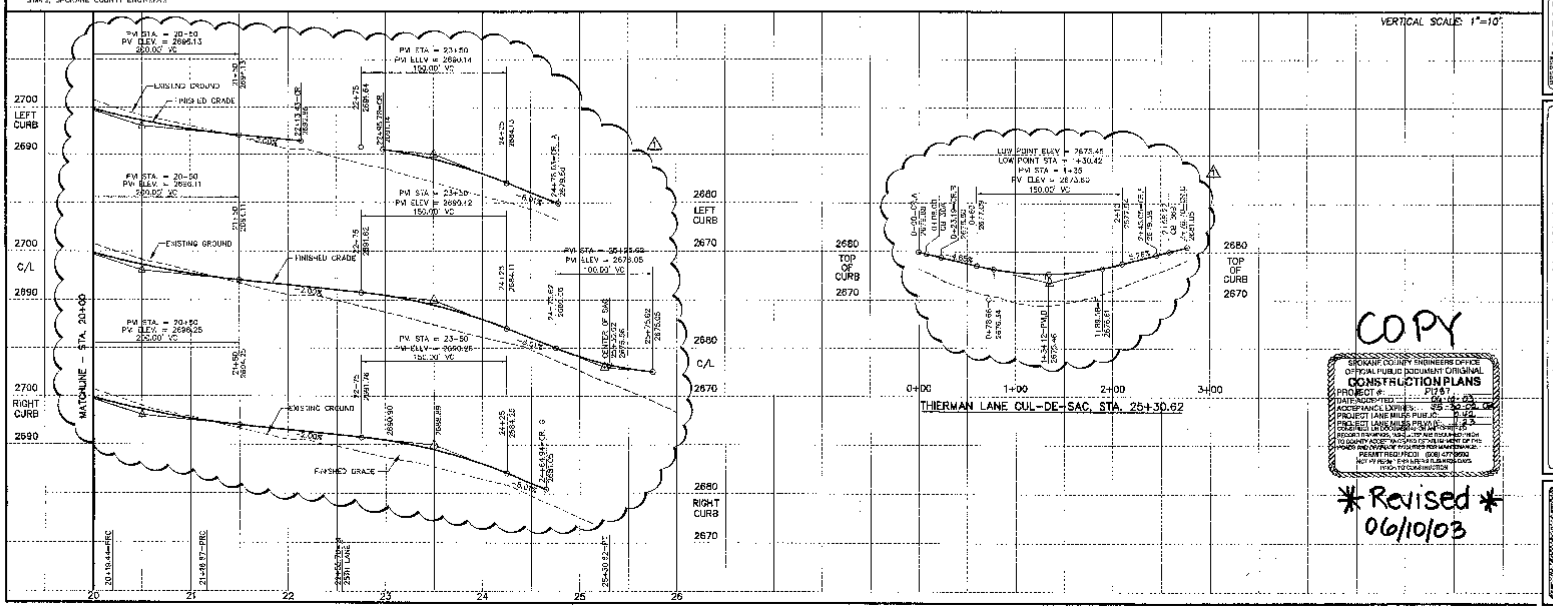
THIS DRAWING IS THE PROPERTY OF TERRA ASSOCIATES, INC. AND MAY NOT BE REPRODUCED OR USED FOR ANY PURPOSE WITHOUT WRITTEN PERMISSION.

Mike Grune
DEVELOPER'S APPROVAL

6/10/03
DATE

NOTE: SEE SHEET S1.01 FOR TYP. ROAD SECTIONS.

COUNTY DATUM
BASED ON GPS ELEVATION FOR THE SW CORNER OF SECTION 25 (EL.=2333.71) AND S 1/4 TH SECTION 25 (EL.=2478.337) PROVIDED BY JERRY SIMS, SPOKANE COUNTY ENGINEER



COPY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: F1787
DATE ACCEPTED: 06-10-03
ROSE/PANCEL EXPIRES: 06-30-06
PROJECT LANE MILES PUBLIC: 0.95
PROJECT LANE MILES PRIVATE: 0.3
REQUIRED FOR ROAD, ALLEY, AND PEDESTRIAN USE. PERMIT FOR GRADING, FILL, AND PIPE STORM DRAINAGE ONLY. THIS COUNTY ACCEPTS NO LIABILITY FOR THE USE OF THIS PLANS AND OVERLAY PROJECTS FOR MAINTENANCE.
PERMIT REQ'RED: (509) 477-3600
NOT VALID WITH EXPIRED PLANS/PERMITS
STOP WORK IF CONDITIONS CHANGE

* Revised *
06/10/03

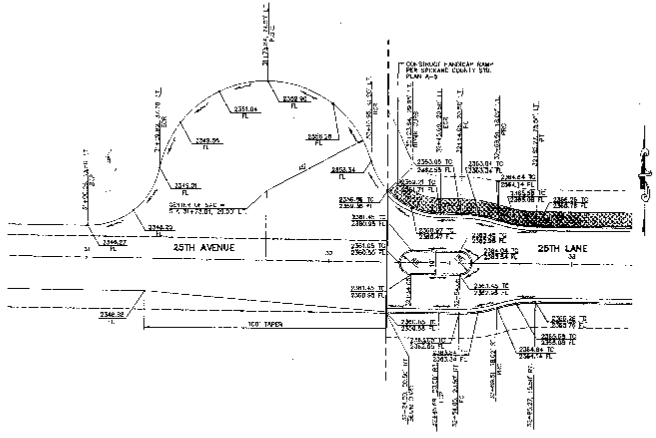
STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
THIERMAN LANE
STA. 20+00 TO STA. 25+30.62
SPOKANE COUNTY, WA

Sheet Title
STREET PLAN AND PROFILE

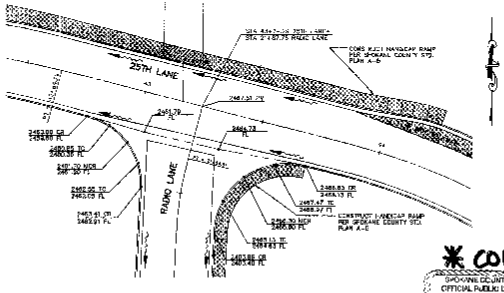
S1.90
Sheet Number

SECTION 25 T.25 N., R43 E., W.M.
SPOKANE COUNTY, WASHINGTON

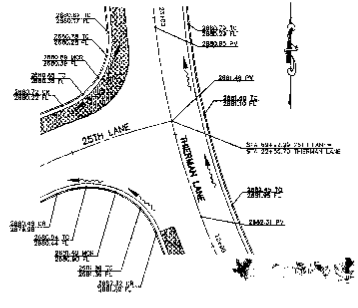
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG



ISLAND AND INTERSECTION DETAIL
25TH LANE AND 25TH AVENUE
SCALE: 1"=25'
1



INTERSECTION DETAIL
25TH LANE AND RADIO LANE
SCALE: 1"=25'
2



INTERSECTION DETAIL
25TH LANE AND THERMAN LANE
SCALE: 1"=25'
3

* COPY *

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1167
PLAT ACCEPTED: 08-30-02
INSPECTOR'S ENGINEER: 8-30-02
PRIVATE LANE MPES PUBLIC: 8-30-02
PRIVATE LANE MPES PRIVATE: 8-30-02

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1167
DATE ACCEPTED: 8/22/03

EXPIRES 12/31/02

I have reviewed for conformity of the project to my knowledge, that it will conform to Spokane County standards and specifications.

DEVELOPER'S APPROVAL — DATE 5/30/02

COUNTY DATUM
HASTILOK GPS ELEVATION FOR THE SW CORNER OF SECTION 25 (EL.=2333.71) AND C 1/4 OF SECTION 24 (EL.=2478.337) PROVIDED BY JERRY SIMAS, SPOKANE COUNTY ENGINEERS

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

Planning
Engineering
Architecture
Landscape Architecture
Land Surveying

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN FRANK SAYWERS, P.E. WASHINGTON REGISTRATION NO. 36812 FOR AND ON BEHALF OF GLO ASSOCIATES, INC.

Date	Description
10/08/99	ORIGINAL PLAN PREPARATION
08/30/02	REVISED PERMANTICAL

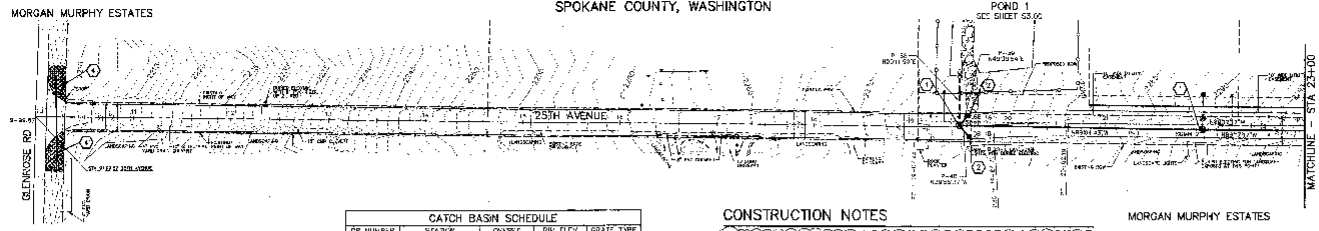
Project Number: 5990202
GLO Job Number: 5990202
Drawn By: GLO
Designed By: GLO
Checked By: J.S.

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
INTERSECTION DETAILS
SPOKANE COUNTY, WA

Sheet Title
INTERSECTION DETAILS

S2.00
Sheet Number

SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



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

CATCH BASIN SCHEDULE				
CB NUMBER	STATION	OFFSET	RIM ELEV	GRATE TYPE
CB 1A	9+59.41	13.5' LT	2273.07	N/A
CB 1B	9+59.41	13.5' RT	2273.07	N/A

MANHOLE SCHEDULE				
MH NUMBER	STATION	OFFSET	RIM ELEV	TYPE
SDM-1	9+50	1.0' LT	2275.42	II-48
SDM-1.2	22+00	5.0' RT	2288.79	II-48

CONSTRUCTION NOTES

1. INSTALL TYPE II 48" MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLANS U-5 AND U-14. SEE MANHOLE SCHEDULE FOR LOCATION AND RIM ELEVATION.
2. W.S.D.O.T. GRATE INLET TYPE 2 PER W.S.D.O.T. STANDARD PLAN B 40. SEE CATCH BASIN SCHEDULE FOR LOCATION AND RIM ELEVATION.
3. NOT USED
4. LINE DITCH WITH MIN. 6" OF 6" DIA. RIP RAP.

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

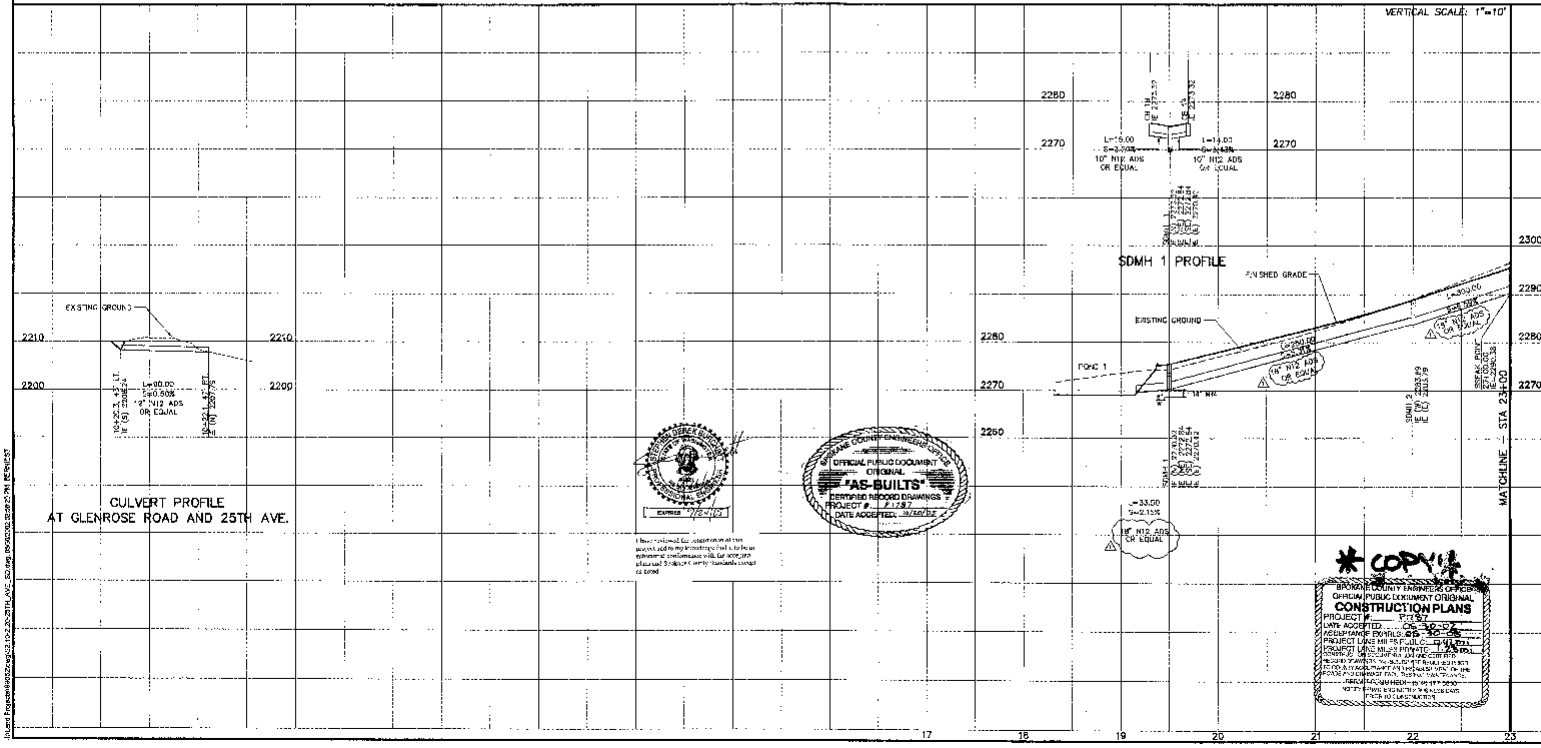
COUNTY DATUM

BASED ON GPS ELEVATION FOR THE SW CORNER OF SECTION 23 (EL.=2233.70) AND C. 1/4 OF SECTION 26 (EL.=2479.33) PROVIDED BY JERRY SIMMS, SPOKANE COUNTY ENGINEERS

DEVELOPER'S APPROVAL

5/30/02
DATE

VERTICAL SCALE: 1"=10'



OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # P-1787
DATE ACCEPTED: 10/16/02

EXPIRES 7/12/02

* COPY *

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1787
DATE ACCEPTED: ON 10-16-02
ACCEPTANCE EXPIRES: 10-16-04
PROJECT LINE IMPROVEMENTS PUBLIC: 0 LF
PROJECT LINE IMPROVEMENTS PRIVATE: 0 LF
RECORD DRAWINGS AS-BUILT INFORMATION
RECORD DRAWINGS AS-BUILT INFORMATION
ROADWAY CONSTRUCTION, SEE PLAN SHEETS

Hydraulic Engineering
Architecture
Land Surveying
Spokane, WA

REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
JOHN C. SAYWERS
22718
5/30/02
EXPIRES 7/18/02

PREPARED UNDER THE DIRECT SUPERVISION OF:
JOHN C. SAYWERS, P.E.
WASHINGTON REGISTRATION NO. 22718
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

ISSUE	DESCRIPTION
05/30/02	INITIAL PLAN REPRODUCTION
06/04/02	PLAN & PROFILE REVISION
09/24/02	PLAN & PROFILE REVISION

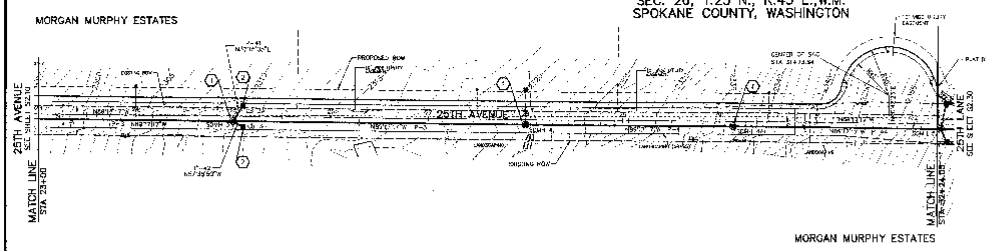
Project No. (Job) 1000100
C.L.C. Job Number 1000100
Drawn By: JW
Designed By: JHP
Checked By: JS

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
25TH AVE
STA 10+00 TO STA 23+00
SPOKANE COUNTY, WA

Sheet Title
STORM DRAIN PLAN AND PROFILE

S2.10
Sheet Number

SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



MANHOLE SCHEDULE				
MH NUMBER	STATION	OFFSET	RIM ELEV	TYPE
SDMH 3	25+20	5.0' RT	2308.67	III-48
SDMH 4	28+00	5.0' RT	2322.19	III-48
SDMH 4A	30+13.00	5.0' RT	2337.78	III-48

CATCH BASIN SCHEDULE				
CB NUMBER	STATION	OFFSET	RIM ELEV	GRATE TYPE
CB 3A	27+70.00	13.5' LT	2309.05	N/A
CB 3B	25+70.00	13.5' RT	2309.05	N/A

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

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

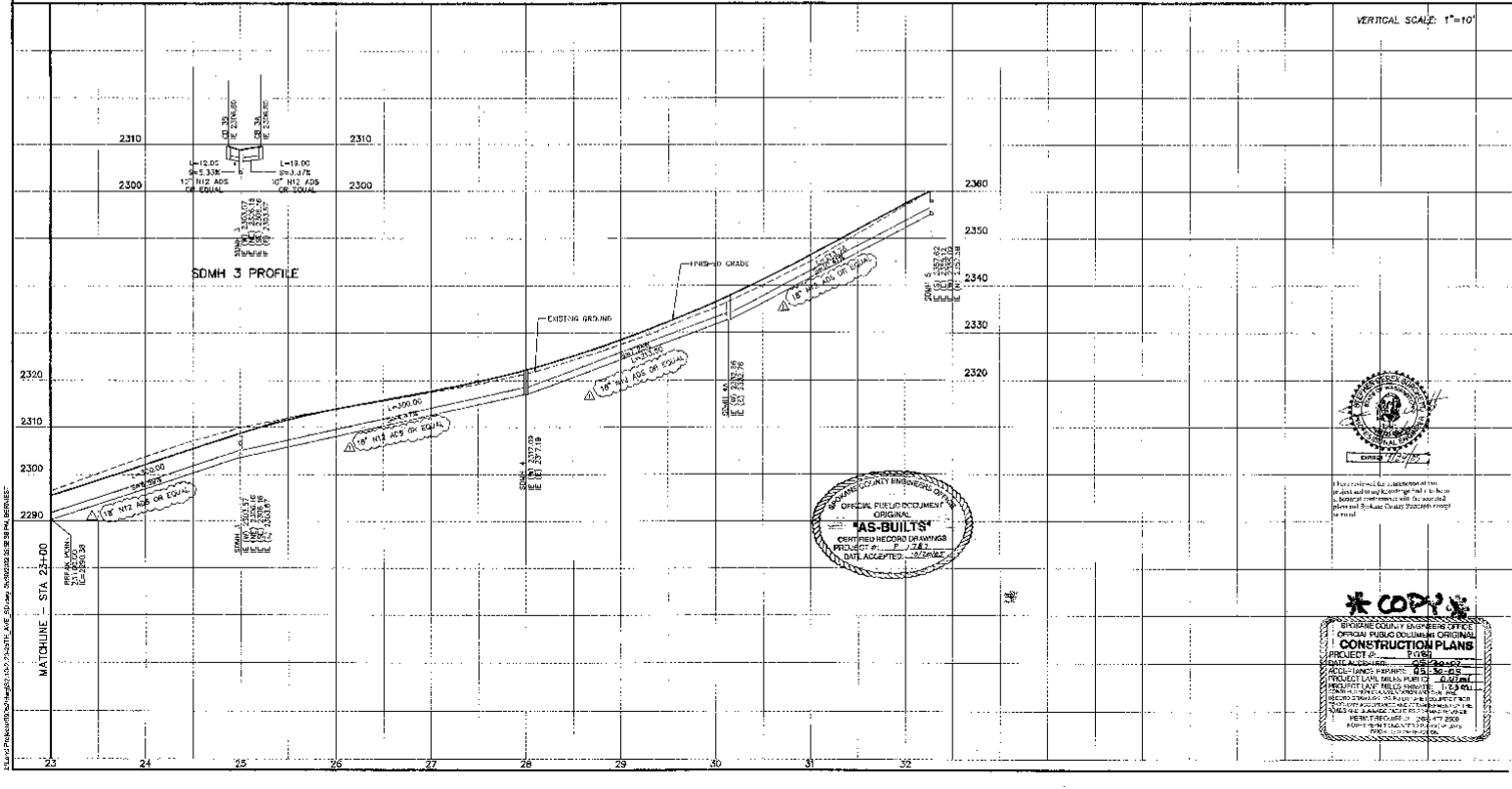
CONSTRUCTION NOTES

1. TYPE III-48 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLANS U-13 AND U-14. SEE MANHOLE SCHEDULE FOR LOCATION AND RIM ELEVATION.
2. W.S.D.O.T. TYPE 2 CATCH BASIN WITH METAL FRAME AND GRATE PER W.S.D.O.T. STANDARD PLAN B-40. SEE CATCH BASIN SCHEDULE FOR LOCATION AND RIM ELEVATION.

COUNTY DATUM
BASED ON THE ELEVATION FOR THE SW CORNER OF SECTION 25 (EL.=2333.70) AND THE SE 1/4 OF SECTION 35 (EL.=2479.337) PROVIDED BY JERRY SMITH, SPOKANE COUNTY ENGINEERS

DEVELOPER'S APPROVAL — DATE 5/30/02

VERTICAL SCALE: 1"=10'



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: E 1242
DATE ACCEPTED: 10/28/02

* COPY *

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: E 1242
DATE ACCEPTED: 05-30-02
ACCEPTANCE PERMIT: 01-30-05
PROJECT LAND MILES PUBLIC: 0.01 mi
PROJECT NET MILES PUBLIC: 1.23 mi
RECORD DRAWINGS: YES NO
PERMIT REQUIRED: YES NO
PERMIT NUMBER: 2002-472 2500
ADDITIONAL INFORMATION: YES NO

CLC ASSOCIATES, INC.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
CLC ASSOCIATES, INC.
421 W. RIVERSIDE, SUITE 900
SPOKANE, WA 99201
(509) 624-1865

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN P. SCHMIDT
WASHINGTON REGISTRATION NO. 36913
FOR AND ON BEHALF OF CLC ASSOCIATES, INC.
5/30/02

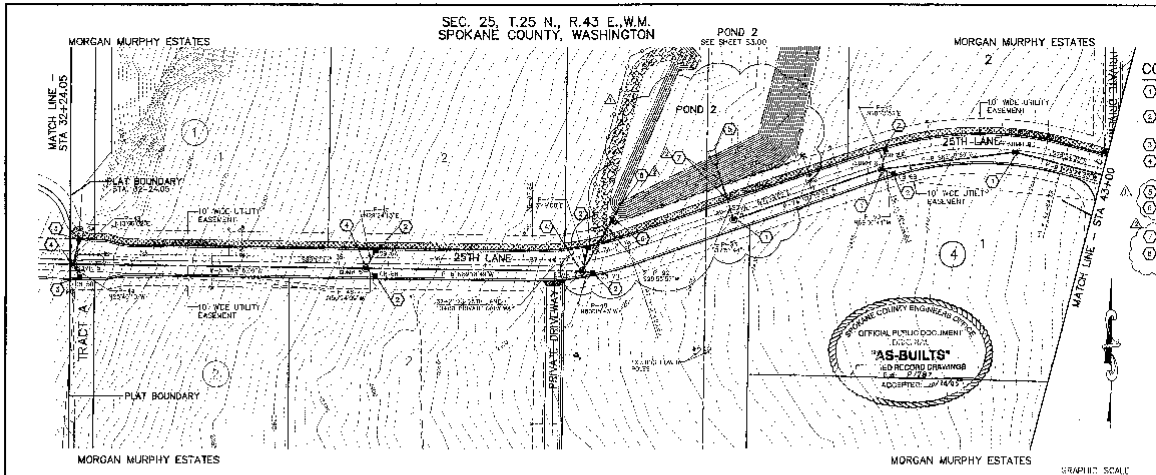
Date	Revision
05 30 02	SECOND SUBMITTAL
02 22 02	FIRST SUBMITTAL

Project Number: 0390052
CLC Job Number: 0390052
Drawn By: FMT
Designed By: DHR
Checked By: JPS

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
25TH AVE
STA 23+00 TO STA 32+24.05
SPOKANE COUNTY, WA

Sheet Title
STORM DRAIN PLAN AND PROFILE

S2.20
Sheet Number



CONSTRUCTION NOTES

1. TYPE III-04 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-6 AND U-14. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.
2. TYPE "1" CATCH BASIN WITH TYPE "1" METAL FRAME AND TYPE "2" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10 AND B-13. SEE CATCH BASIN SCHEDULE FOR CATCH BASIN LOCATIONS AND RIM ELEVATIONS.
3. W.S.D.O.T. GRATE INLET TYPE "2" PER W.S.D.O.T. STANDARD PLAN B-40.
4. TYPE U-46 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-6 AND U-14. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.
5. OUTLET STRUCTURE PER DETAIL 1 ON SHEET S3.01.
6. DISCHARGE STRUCTURE PER DETAIL 2, ON SHEET S3.01.
7. PIPE ANCHORS SPACED AT 25' MAXIMUM. SEE DETAIL 3 ON SHEET C3.00.
8. TRASH RACK. SEE DETAIL 5 ON SHEET C3.01.

MANHOLE SCHEDULE

MH NUMBER	STATION	OFFSET	RIM ELEV	TYPE
SDMH 5	32+27.26	5.0' RT	2360.17	III-48
SDMH 6	35+27.26	5.1' RT	2390.00	III-48
SDMH 7	37+45.81	9.42' RT	2410.46	III-48
SDMH 7A	39+11.61	5.0' RT	2435.87	III-54
SDMH 8	40+72.63	5.0' RT	2440.62	III-54
SDMH 9	42+14.04	2.21' RT	2451.80	III-54

CATCH BASIN SCHEDULE

CB NUMBER	STATION	OFFSET	RIM ELEV	GRATE TYPE
CB 6A	32+33.76	22.97' LT	2360.34	TYPE 2
CB 6B	32+33.76	22.97' RT	2360.34	TYPE 2
CB 6A	35+37.25	15.50' LT	2390.64	TYPE 2
CB 6B	35+37.25	15.50' RT	2390.64	TYPE 2
CB 7A	37+38.61	15.50' LT	2411.18	TYPE 2
CB 7B	37+38.61	15.50' RT	2411.18	TYPE 2
CB 8A	40+62.18	15.50' LT	2441.21	TYPE 2
CB 8B	40+63.13	15.50' RT	2441.21	TYPE 2

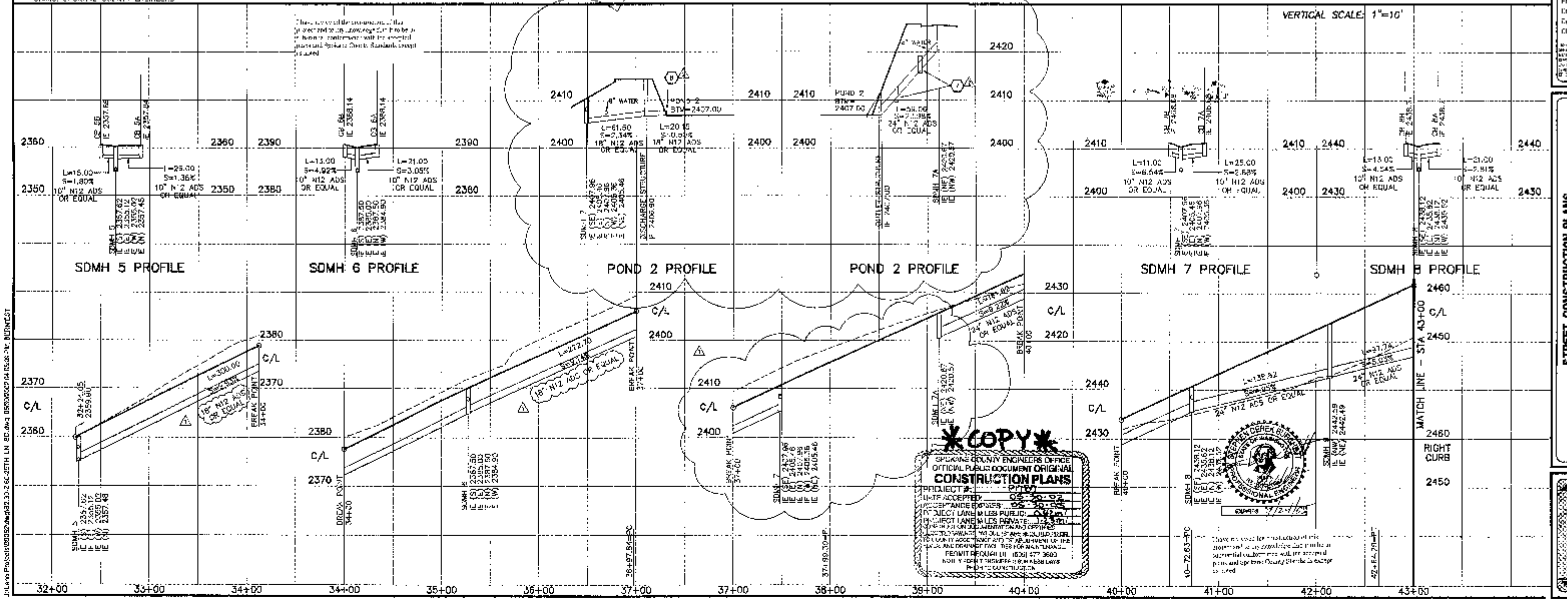
GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

DEVELOPER'S APPROVAL 5/30/02 DATE

COUNTY DATUM

BASED ON GPS ELEVATION FOR THE SW CORNER OF SECTION 25 (E.L.=2333.7) AND C.T.P. OF SECTION 25 (EL.=2479.33) PROVIDED BY JERRY SIMMS, SPOKANE COUNTY ENGINEERS

VERTICAL SCALE: 1"=10'



COPY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 5P/TP
UNIT ACCEPTED: 05-30-02
RECOMMENDED ENGINEER: 05-30-02
PROJECT LANE MILES PUBLIC: 0.42 mi
PROJECT LANE MILES PRIVATE: 1.33 mi
PROJECT OR DOCUMENT NOT ALTERED OR CHANGED
PERMIT REQUIRED: (509) 477-3600
NOTIFY DEPARTMENT OF ENGINEERING
PRIOR TO CONSTRUCTION

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
A.A.S. FOR ADDRESS CARD SERVICE YOU DO

Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
and Surveying

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN FRANK SAWYERS, PE WASHINGTON REGISTRATION NO. 18070 FOR AND ON BEHALF OF OLD ASSOCIATES, INC

Date | Description
05/30/02 | ORIGINAL PLAN PREPARATION
05/30/02 | SEDONA SUBMITTAL
05/30/02 | POND & PIPING REVISION
05/30/02 | MAINTAINED PLAN & UTILITY COMMENTS

Project Number: 2000/02
Drawn By: [illegible]
Designed By: [illegible]
Checked By: [illegible]

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
25TH LANE
STA 32+24.05 TO STA 43+00
SPOKANE COUNTY, WA

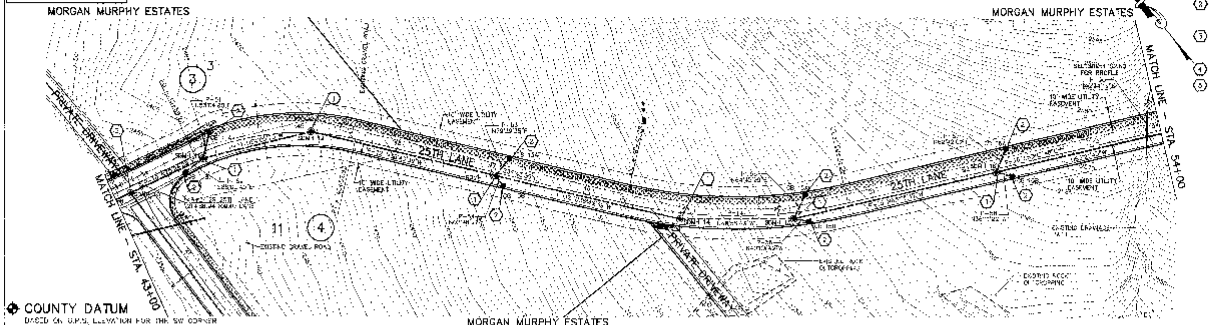
Sheet Title
STORM DRAIN PLAN AND PROFILE

S2.30
Sheet Number

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

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



CONSTRUCTION NOTES

1. TYPE II-A MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN 6 AND U-14. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.
2. TYPE "C" CATCH BASIN WITH TYPE "C" METAL FRAME AND TYPE "S" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN 6-A, 6-C AND 6-13. SEE CATCH BASIN SCHEDULE FOR CATCH BASIN LOCATIONS AND RIM ELEVATIONS.
3. TYPE J-34 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-8 AND J-14. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.
4. ROCK RIP-RAP LINED DITCH. SEE DETAIL 3, SHEET S3.00.
5. RIP-RAP AREA SURROUNDING THE ENTRANCE TO THE PIPE CULVERT WITH 6" CLEAR ROCK RIP-RAP.

MANHOLE SCHEDULE

MH NUMBER	STATION	OFFSET	RIM ELEV.	TYPE
SDMH 10	43+12.31	6.0' RT.	2452.44	II-A
SDMH 11	43+95.00	5.91' RT	2470.32	II-A
SDMH 12	45+00.62	1.32' LT.	2452.07	II-A
SDMH 13	47+05.91	3.0' RT	2501.4	II-A
SDMH 14	48+55.87	6.37' RT.	2522.66	II-A
SDMH 15	50+15.87	6.37' RT.	2537.17	II-A
SDMH 16	52+25.59	3.0' RT.	2553.47	II-A

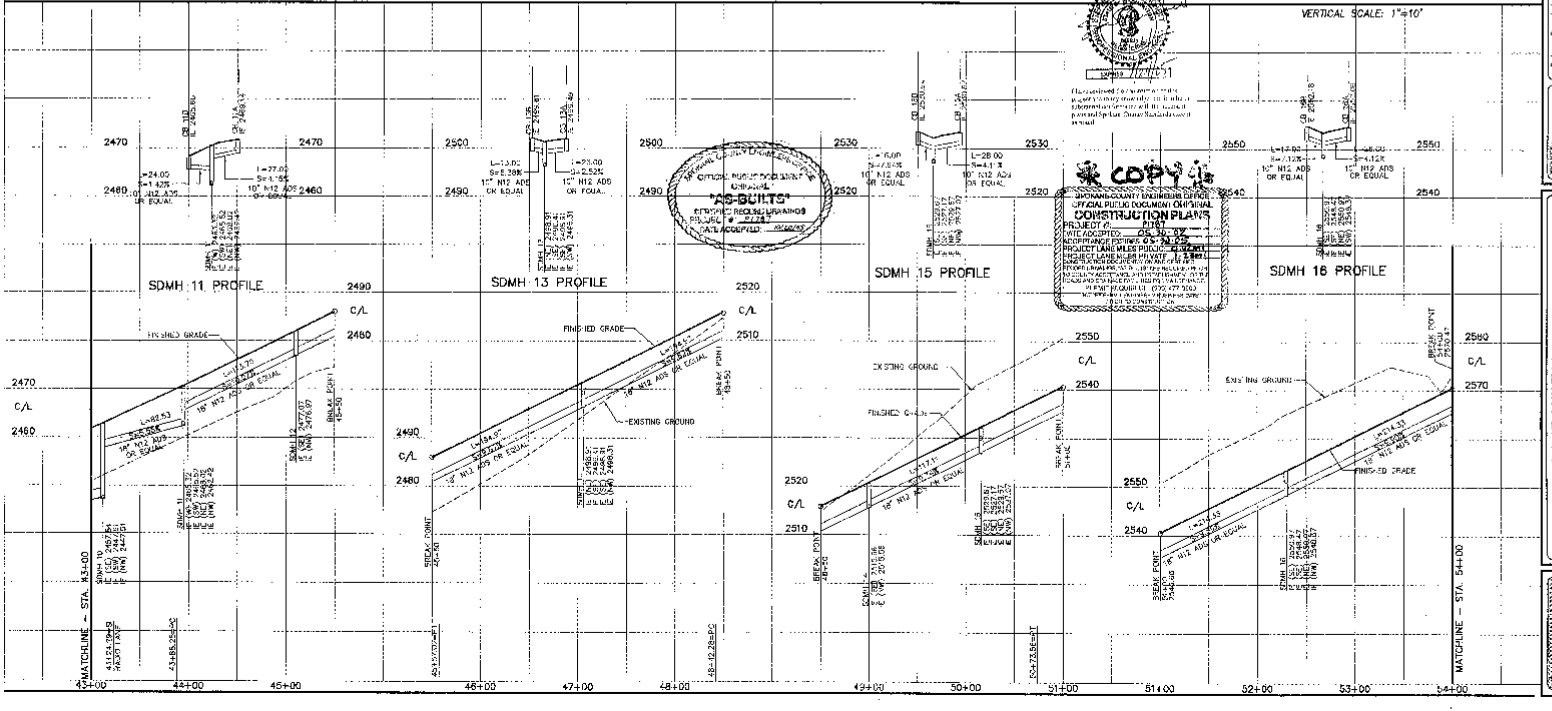
CATCH BASIN SCHEDULE

CB NUMBER	STATION	OFFSET	RIM ELEV.	GRATE TYPE
CB 11A	44+15	18.66' LT.	2471.64	TYPE 2
CB 11B	43+71.85	13.00' RT.	2467.95	TYPE 2
CB 13A	47+15.61	19.00' LT.	2507.39	TYPE 2
CB 13B	47+13.61	13.00' RT.	2502.11	TYPE 2
CB 15A	50+50.87	19.00' LT.	2533.32	TYPE 2
CB 15B	50+50.87	13.00' RT.	2533.44	TYPE 2
CB 16A	52+44.59	18.00' LT.	2554.68	TYPE 2
CB 16B	52+44.59	13.00' RT.	2554.68	TYPE 2

DEVELOPER'S APPROVAL

DATE

VERTICAL SCALE: 1"=10'



"AS-BUILTS"
ENGINEERING RECORD DRAWINGS
PROJECT # 21787
DATE ACCEPTED: 10/20/05

COPY

SPOKANE COUNTY ENGINEERING OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 21787
WTC ACCEPTED: 05-30-02
ACCEPTANCE EXPIRES: 05-30-05
PROJECT LANE MILES PUBLIC: 0.72 MI
PROJECT LANE MILES PRIVATE: 1.5 MI

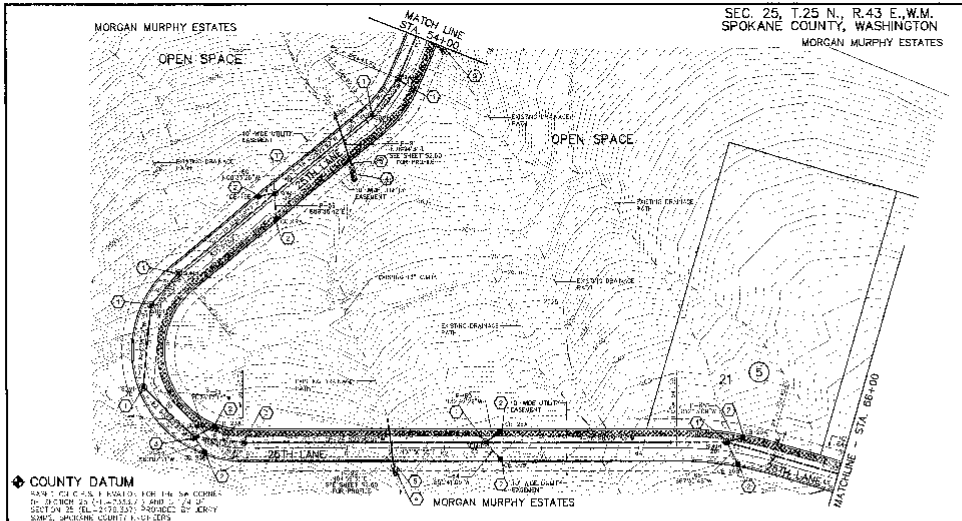
Consultant Information

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
25TH LANE
STA. 43+00 TO STA. 54+00
SPOKANE COUNTY, WA

Sheet Title
STORM DRAIN PLAN AND PROFILE

S2.40
Sheet Number

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



CONSTRUCTION NOTES

1. TYPE 1-48 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-6 AND U-14. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.
2. TYPE "M" CATCH BASIN WITH TYPE "M" METAL FRAME AND TYPE "2" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN B-6 AND B-13. SEE CATCH BASIN SCHEDULE FOR CATCH BASIN LOCATIONS AND RIM ELEVATIONS.
3. TYPE 1-48S MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-6 AND U-14. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.
4. ROCK RIP-RAP LINING (2 TON) PER DETAIL 3, SHEET S3.20.
5. RIP RAP SUMP AREA SURROUNDING THE EXTENDED 18 IN. PIPE CULVERT WITH 6' DIAMETER RIP RAP.

CATCH BASIN SCHEDULE

CB NUMBER	STATION	OFFSET	RIM ELEV	GRATE TYPE
CB 19A	55+35.28	14.50' RT	2683.01	TYPE 2
CB 19B	55+35.28	13.50' RT	2683.01	TYPE 2
CB 23A	59+76.88	13.00' LT	2679.21	TYPE 2
CB 23B	59+76.88	13.00' RT	2679.35	TYPE 2
CB 25A	64+37.54	19.50' LT	2646.75	TYPE 2
CB 25B	64+37.54	19.50' RT	2646.87	TYPE 2
CB 26A	64+64.74	19.50' LT	2663.31	TYPE 2
CB 26B	64+64.74	13.50' RT	2663.31	TYPE 2

MANHOLE SCHEDULE

MH NUMBER	STATION	OFFSET	RIM ELEV	TYPE
SDMH 17	54+43.49	3.0' RT	2674.38	I-48
SDMH 18	54+92.15	3.0' RT	2676.57	I-48
SDMH 19	55+20.28	3.0' RT	2682.30	II-48
SDMH 20	57+46.47	3.0' RT	2685.04	II-48
SDMH 21	57+90.41	4.01' RT	2690.14	II-48
SDMH 22	58+77.27	8.00' RT	2679.15	III-48
SDMH 23	59+41.84	1.00' RT	2679.26	I-48S
SDMH 24	59+93.73	6.5' LT	2658.84	I-48S
SDMH 25	63+48.34	6.0' LT	2649.[illegible]	II-48
SDMH 26	64+29.74	9.0' LT	2663.30	II-48

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

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

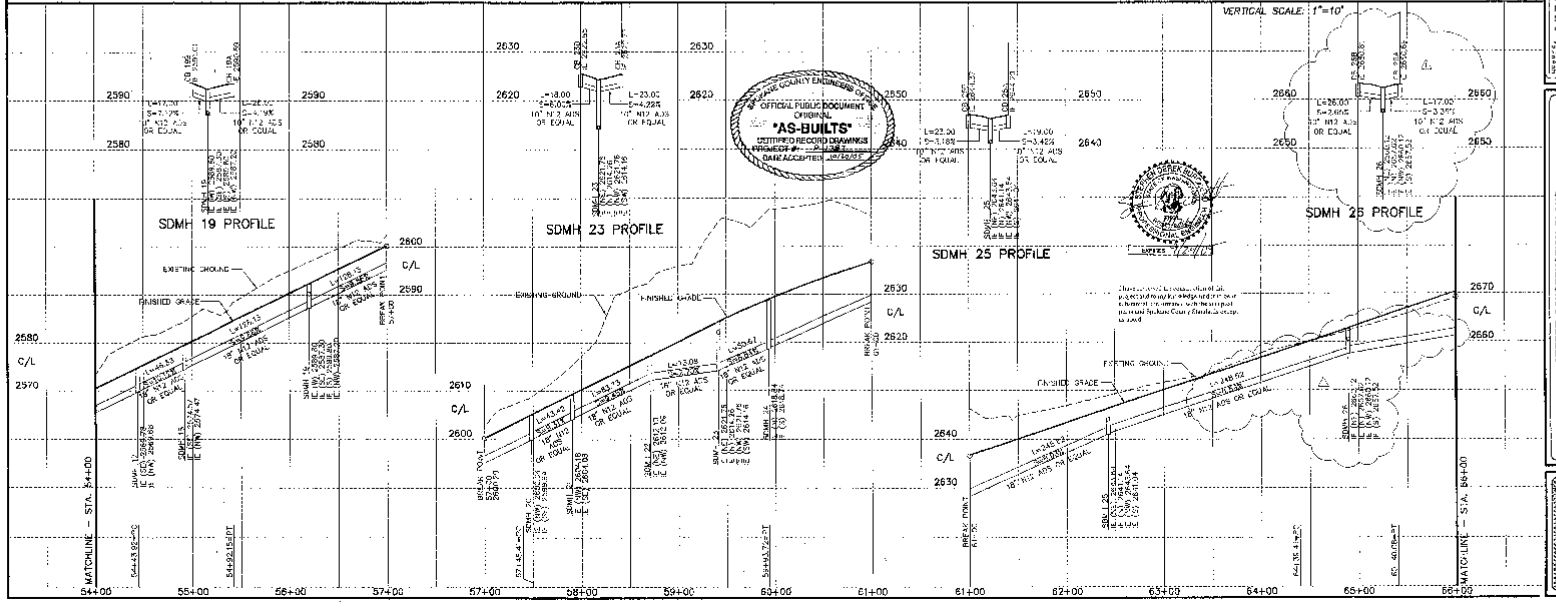
COPY

SPOKANE PUBLIC WORKS PERMIT OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 2016-1
DATE ACCEPTED 06-16-03
ACCEPTANCE EXPIRES 12-16-05
PROJECT LANE MILES PUBLIC 0.25
PROJECT LANE MILES PRIVATE 1.43
SIGNATURE OF SPOKANE COUNTY ENGINEER

Revised

DEVELOPER'S APPROVAL — DATE 6/16/03

VERTICAL SCALE: 1"=10'



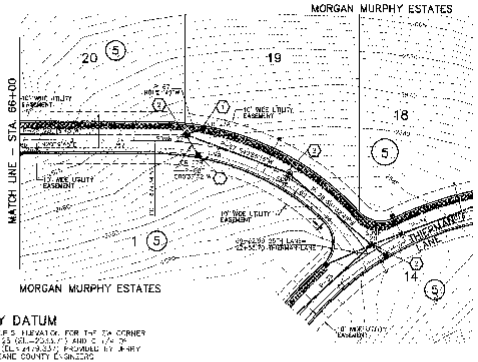
SPOKANE COUNTY ENGINEER OFFICIAL PUBLIC DOCUMENT ORIGINAL "AS-BUILTS" CERTIFIED RECORD DRAWINGS PROJECT # 2016-1 DATE ACCEPTED 06/16/03

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
25TH LANE
STA. 54+00 TO STA. 66+00
SPOKANE COUNTY, WA

Sheet Title: STORM DRAIN PLAN AND PROFILE

S2.50
Sheet Number

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



COUNTY DATUM

CONSTRUCTION NOTES

1. TYPE "1" CATCH BASIN WITH TYPE "A" METAL FRAME AND TYPE "2" MEDIAN GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10 AND B-12. SEE CATCH BASIN SCHEDULE FOR CATCH BASIN LOCATIONS AND RIM ELEVATIONS.
2. TYPE I-4AS MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-1 AND U-14. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.
3. RIP RAP SUMP AREA SURROUNDING THE ENTRANCE TO THE PIPE CULVERT WITH 8" DIAMETER RIP RAP.

CATCH BASIN SCHEDULE				
CB NUMBER	STATION	OFFSET	RIM ELEV.	GRATE TYPE
CB 27A	67+80.38	37.07' LT.	2685.27	TYPE 2
CB 27B	67+50.38	20.50' RT.	2685.24	TYPE 2

MANHOLE SCHEDULE				
MH NUMBER	STATION	OFFSET	RIM ELEV.	TYPE
SDMH 27	67+55.38	7.07' RT.	2681.31	I-4AS
SDMH 28	68+75.88	4.30' RT.	2687.14	I-4AS
SDMH 29	69+97.09	8.20' LT.	2691.85	I-4AS

I have reviewed documents of this project and find it to be in general conformance with the approved plans and the Spokane County Standards except as noted.

COPY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 0767
DATE ACCEPTED: 06-16-03
ACCEPTANCE EXPIRES: 06-16-05
PROJECT LANE MILES PUBLIC: 0.66
PROJECT LANE MILES PRIVATE: 0.12
PERMIT REQUIRED (509) 477-3600
PRIOR TO CONSTRUCTION

Revised

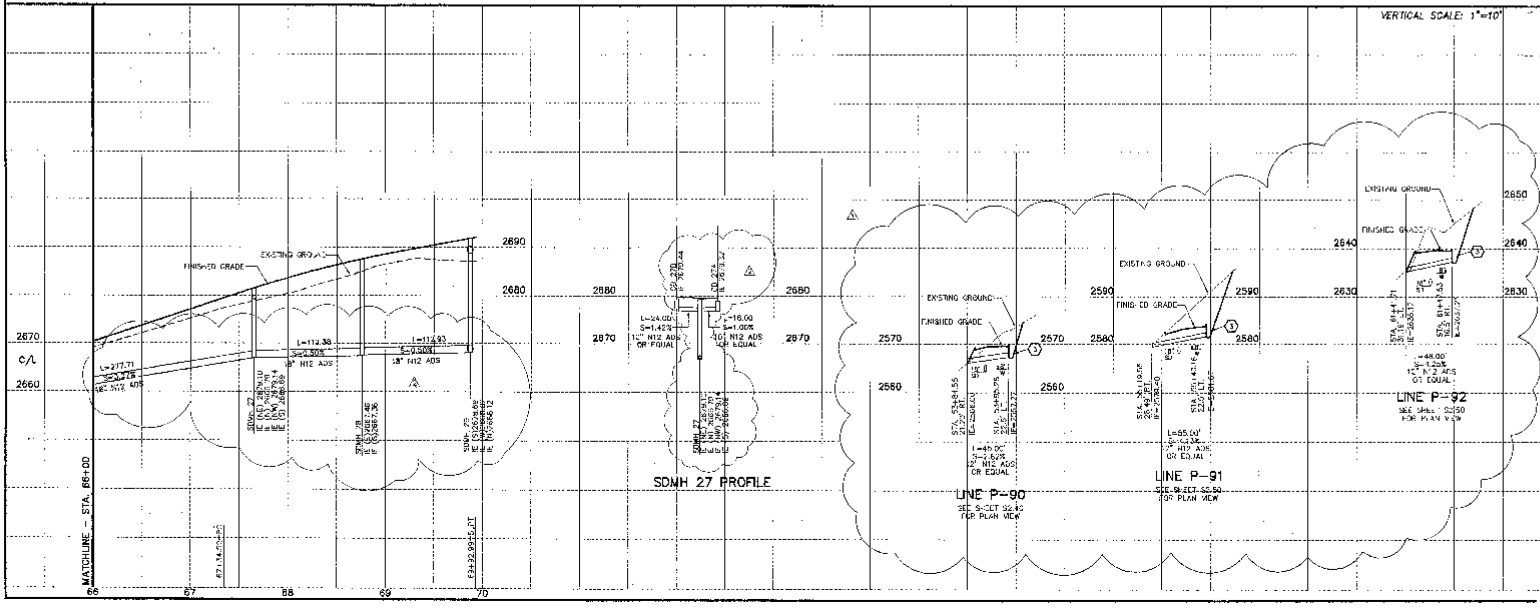
DEVELOPER'S APPROVAL

6/16/03
DATE

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILT"
CERTIFIED RECORD DRAWING
PROJECT # 0767
DATE ACCEPTED: 10/10/07

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

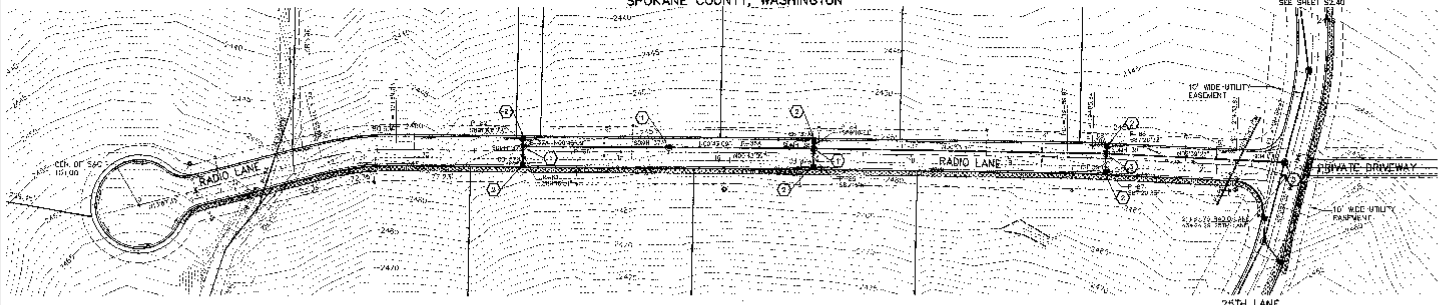


STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
25TH LANE
STA. 66+00 TO STA. 69+92.98
SPOKANE COUNTY, WA

Sheet Title
STORM DRAIN PLAN AND PROFILE

S2.60
Sheet Number

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



CATCH BASIN SCHEDULE				
CB NUMBER	STATION	OFFSET	RIM ELEV.	GRATE TYPE
CB 37A	14+00.00	15.50' LT.	2457.65	TYPE 2
CB 37B	14+00.00	15.50' RT.	2457.65	TYPE 2
CB 38A	16+99.88	15.50' LT.	2454.01	TYPE 2
CB 38B	16+99.88	15.50' RT.	2454.51	TYPE 2
CB 39A	20+00.00	15.50' LT.	2459.94	TYPE 2
CB 39B	20+00.00	15.50' RT.	2459.94	TYPE 2

MANHOLE SCHEDULE				
MH NUMBER	STATION	OFFSET	RIM ELEV.	TYPE
SDMH 37	14+00.00	5.00' LT.	2457.94	III-48
SDMH 38	16+98.69	5.00' LT.	2455.70	III-48
SDMH 39	20+00.00	5.00' LT.	2460.23	I-48S
SDMH 40	21+83.94	5.00' RT.	2462.84	I-48S
SDMH 37A	15+50.00	5.00' LT.	2456.44	III-48

CONSTRUCTION NOTES

1. TYPE III-48 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-5 AND U-14. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.
2. TYPE "B" CATCH BASIN WITH TYPE "1" METAL FRAME AND TYPE "2" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN D-4, B-10 AND B-13. SEE CATCH BASIN SCHEDULE FOR CATCH BASIN LOCATIONS AND RIM ELEVATIONS.
3. TYPE I-48S MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-11 AND U-14. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.

COUNTY DATUM

BASED ON G.P.S. ELEVATION FOR THE SW CORNER OF SECTION 25 (EL=2333.71) AND S 1/4 OF SECTION 26 (EL=2479.337) PROVIDED BY JERRY SAMS, SPOKANE COUNTY ENGINEERS.

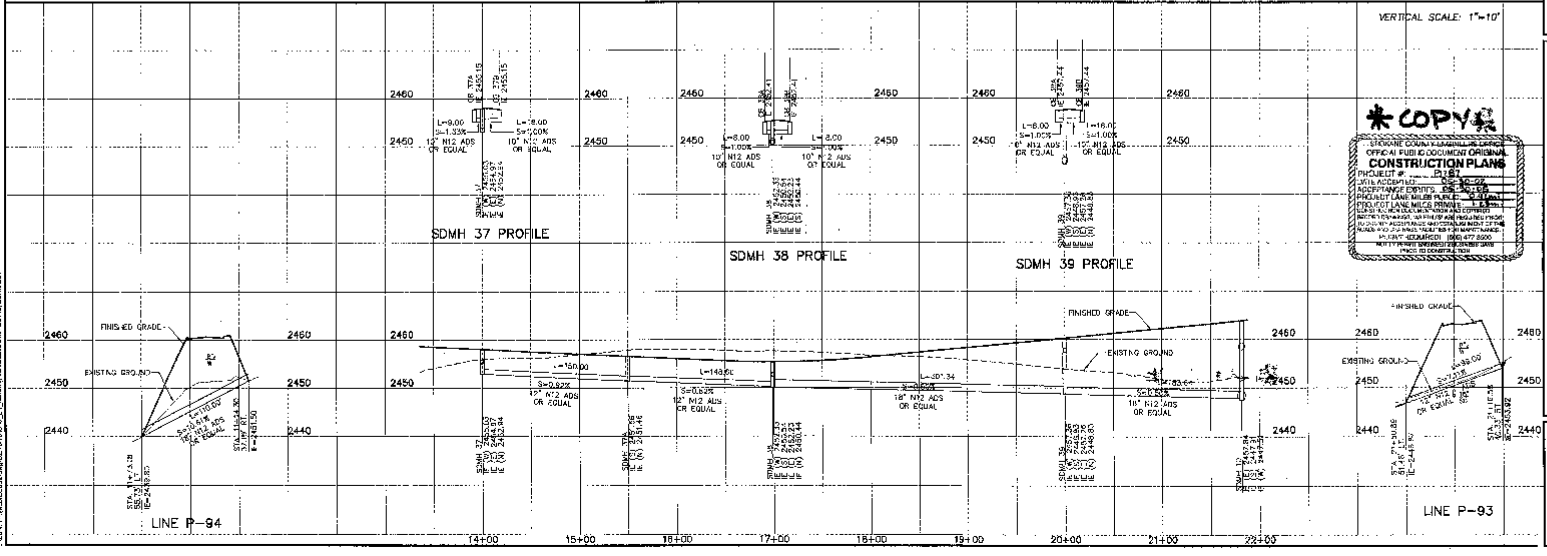
SPOKANE COUNTY ENGINEERS
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1157
DATE ACCEPTED: 10/30/06

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

GRAPHIC SCALE
30 0 20 50 100
(IN FEET)
1 inch = 50 ft.

Mike Hume 5/30/02
DEVELOPER'S APPROVAL DATE

VERTICAL SCALE: 1"=10'



COPY

SPOKANE COUNTY ENGINEERS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P1157
WORK ACCEPTED: 06-30-06
ACCEPTANCE EXPIRES: 06-30-08
PROJECT LANE MILES PAVED: 0.42 (Mi)
TOTAL PROJECT LANE MILES PAVED: 1.5 (Mi)
SUBMIT NEW DOCUMENTATION AND CORRECT INCORRECT DRAWINGS, SUBMITTALS AND REQUIRED FEES BEFORE ACCEPTANCE AND OBTAINING RIGHT OF THE ROADWAY FOR PUBLIC USE IS GRANTED MAKE APPOINTMENT REQUIRED! (509) 477-3600
NOT VALID UNLESS SIGNED BY COUNTY ENGINEER PRIOR TO CONSTRUCTION

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
RADIO LANE
SAT 10+00 TO SAT 21+84.93
SPOKANE COUNTY, WA

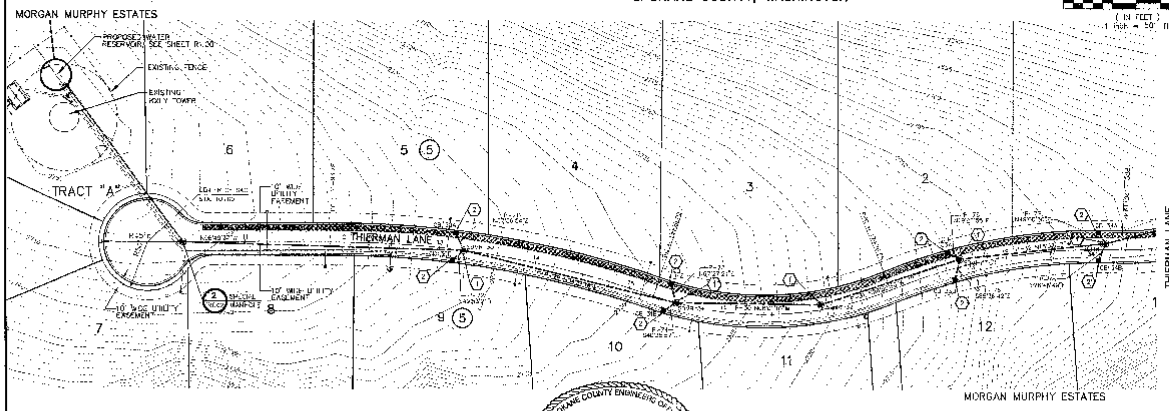
Sheet Title:
STORM DRAIN PLAN AND PROFILE

S2.70
Sheet Number

SEC. 25, T.25 N., R.43 E.W.M.
SPOKANE COUNTY, WASHINGTON

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

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000



CONSTRUCTION NOTES

1. TYPE II-48 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN B-5 AND C-16. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.
2. TYPE "1" CATCH BASIN WITH TYPE "1" METAL FRAME AND TYPE "2" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10 AND B-13. SEE CATCH BASIN SCHEDULE FOR CATCH BASIN LOCATIONS AND RIM ELEVATIONS.

MANHOLE SCHEDULE

MH NUMBER	STATION	OFFSET	RIM ELEV.	TYPE
SDMH 30	10+33	-	2735.55	II-48
SDMH 31	15+50	-	2727.55	II-48
SDMH 32	17+01.91	5.00' LT.	2713.15	II-48
SDMH 33	19+53.12	7.00' LT.	2708.59	II-48
SDMH 34	20+02.37	6.00' LT.	2698.48	II-48

CATCH BASIN SCHEDULE

CB NUMBER	STATION	OFFSET	RIM ELEV.	TYPE
CB 30A	13+15	19.50' LT.	2739.52	TYPE 2
CB 30B	13+15	13.50' RT.	2739.67	TYPE 2
CB 31A	15+40	9.50' LT.	2727.15	TYPE 2
CB 31B	15+40	13.50' RT.	2727.37	TYPE 2
CB 33A	18+43.11	19.50' LT.	2709.27	TYPE 2
CB 33B	19+33.12	13.50' RT.	2709.34	TYPE 2
CB 34A	19+95.46	19.50' LT.	2699.33	TYPE 2
CB 34B	19+95.43	13.50' RT.	2699.45	TYPE 2

SPOKANE COUNTY ENGINEERING OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 21173
DATE ACCEPTED: 10/26/06

COUNTY DATUM
HANDED ON TIME ELEVATION FOR THE SW CORNER OF SECTION 25 (EL=2331.00) AND T.T.14 FT. SECTION 26 (EL=2409.337) PRECISE RE JERRY 5 MILE, SPOKANE COUNTY BENCHMARK

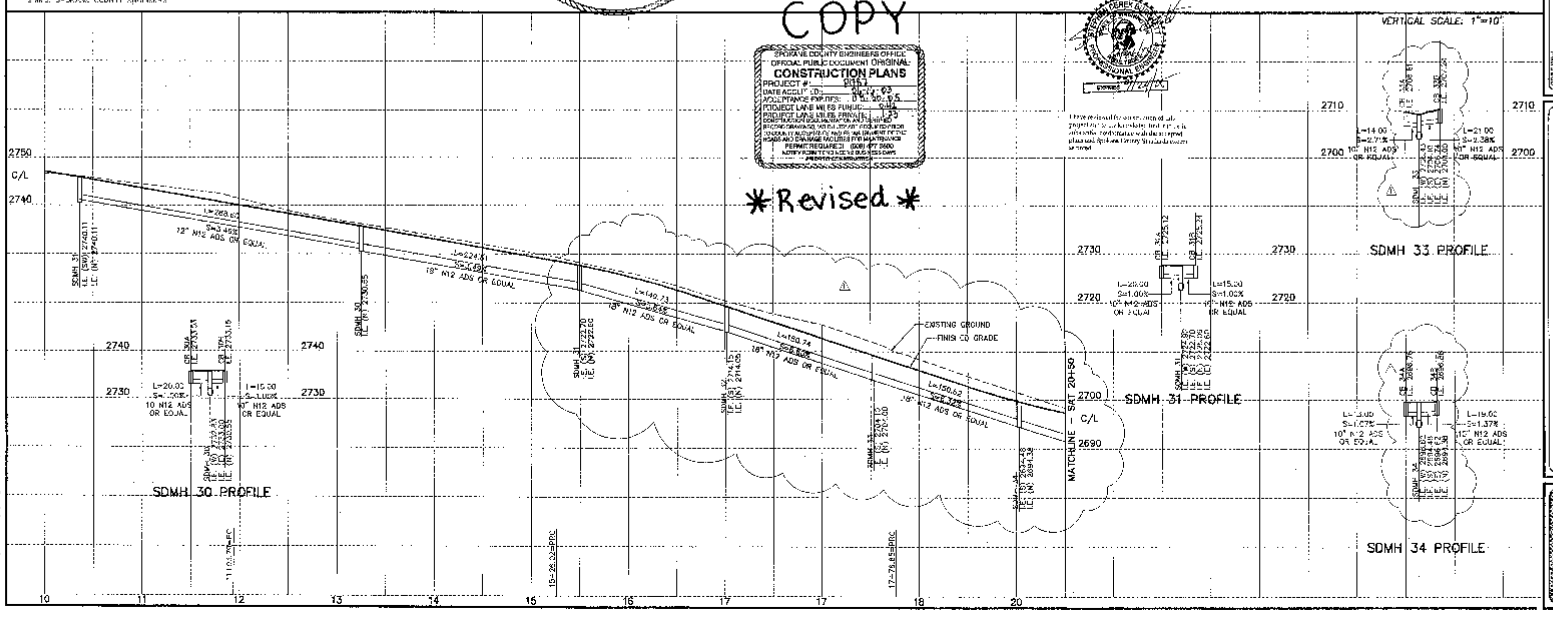
DEVELOPER'S APPROVAL — DATE 6/16/03

COPY

SPOKANE COUNTY ENGINEERING OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 21173
DATE ACCEPTED: 06/17/03
ACCEPTANCE EXPIRES: 06/20/05
PROJECT LANE MILES FUNCTIONAL CLASS: 0.14
PROJECT LANE MILES PRINCIPAL ARTERIAL: 0.14
SPOKANE COUNTY DOES NOT ACCEPT THIS DOCUMENT BECOME OWNERS NOR ASSUMES ANY OBLIGATION FOR ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED BEFORE WORK IS DONE
NOTIFY PERMITTEE TO CALL DEVELOPER'S ENGINEER

Revised

VERTICAL SCALE: 1"=10'



Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying

SPOKANE, WASHINGTON

6/13/03

THE PREPARED PLANS WERE DRAWN UNDER THE SUPERVISION OF MR. [illegible] REGISTERED IN THE STATE OF WASHINGTON REGISTRATION NO. [illegible] FOR AND ON BEHALF OF [illegible] ASSOCIATES, INC.

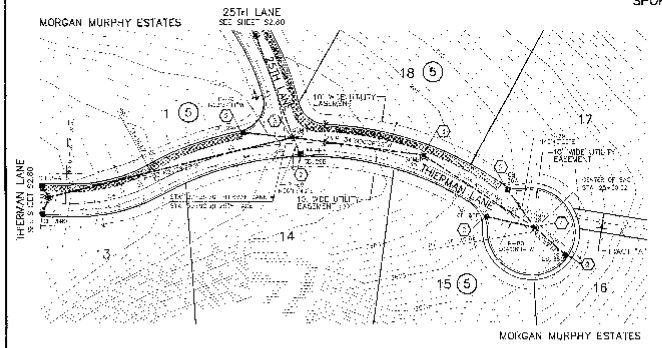
Project Number: [illegible]
C.I. Job Number: [illegible]
Drawn by: [illegible]
Designed By: [illegible]
Checked By: [illegible]

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
THERMAN LANE
STA. 10+00 TO SAT 20+00
SPOKANE COUNTY, WA

Sheet Title
STORM DRAIN PLAN AND PROFILE

S2.80
Sheet Number

SEC. 25, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



CONSTRUCTION NOTES

1. TYPE II-48 MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-5 AND U-11. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.
2. TYPE 1 CATCH BASIN WITH TYPE "1" METAL FRAME AND TYPE "2" METAL GRATE PER SPOKANE COUNTY STANDARD PLAN U-2 AND U-12. SEE CATCH BASIN SCHEDULE FOR CATCH BASIN LOCATIONS AND RIM ELEVATIONS.
3. TYPE I-48S MANHOLE WITH CAST IRON FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN U-1 AND U-11. SEE MANHOLE SCHEDULE FOR MANHOLE LOCATIONS AND RIM ELEVATIONS.

MANHOLE SCHEDULE

MH NUMBER	STATION	OFFSET	RIM ELEV	TYPE
SDMH 29	22+83.49	4.18' LT	2681.05	-48S
SDMH 35	25+37.06	6.5' LT	2686.03	-48S
SDMH 36	25+30.52	6.5' LT	2676.05	-48

CATCH BASIN SCHEDULE

CB NUMBER	STATION	OFFSET	RIM ELEV	TYPE
CB 29A	22+15.52	18.50' LT	2685.19	TYPE 2
CB 29B	22+70.76	13.50' LT	2681.16	TYPE 2
CB 36A	24+85.48	20.65' LT	2678.84	TYPE 2
CB 36B	24+83.53	16.50' LT	2679.41	TYPE 2
CB 36C	+33.65 EOS		2672.93	TYPE 2

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-6000
CALL THE NUMBER FOR LOCATE ON BOX

ORIGINAL
"AS-BUILTS"
AS TO RECORD DRAWINGS
DATE 19
ACCEPTED: SPOKANE COUNTY ENGINEER

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

COUNTY DATUM

Mike Krause
DEVELOPER'S APPROVAL

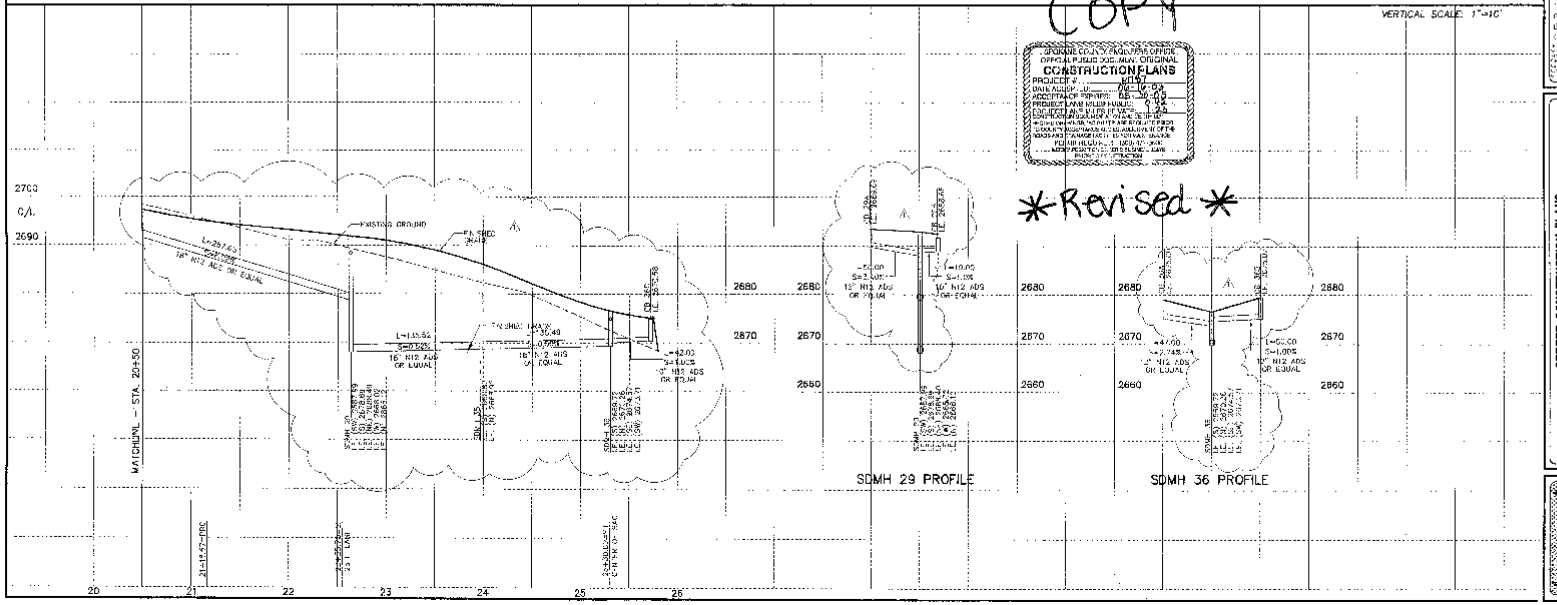
6/16/03
DATE

COPY

VERTICAL SCALE: 1"=10'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOC. MUN. ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED: 06-16-03
ACCEPTANCE EXPIRES: 06-16-04
PROJECT LANE MILES PAVED: 0.62
PROJECT LANE MILES PLATTED: 1.24
EXPIRATION EXTENSION ACCEPTANCE DENIED
EXPIRATION EXTENSION ACCEPTANCE GRANTED
COUNTY MAINTENANCE ACCEPTANCE OFFER
MAINTENANCE ACCEPTANCE REFUSAL MADE
PERMIT ISSUED
MAINTENANCE ACCEPTANCE MADE
PUBLIC WORKS ENGINEER

Revised



STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
THERMAN LANE
STA. 20+00 TO STA. 25+30.62
SPOKANE COUNTY, WA

Sheet Title
STORM DRAIN PLAN AND PROFILE

S2.90
Sheet Number

SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

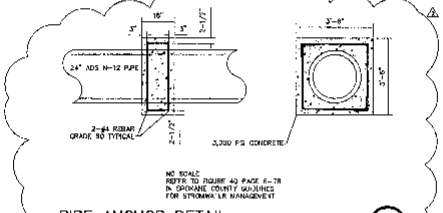
POND 1 INFORMATION			
TAG	STATION	OFFSET LT.	ELEVATION
A	19+41.32	52.50	2269.10
B	19+87.04	425.15	2269.10
C	20+44.79	473.16	2269.10
D	20+35.00	57.82	2269.15
E	19+73.58	54.62	2269.12
F	19+68.15	87.58	2269.10
G	19+55.44	55.73	2269.10
H	19+41.10	52.50	2269.10

POND 1 AREA TABLE		
ELEVATION (FT.)	POND AREA (S.F.)	
2269.10	30,740	
2270.00	33,253	
2271.00	36,005	
2272.00	38,883	

REQUIRED "2CB" VOLUME: ..... 1,881 C.F.
PROVIDED "2CB" VOLUME: ..... 16,580 C.F.
REQUIRED POND BOTTOM AREA: ... 23,762 S.F.
PROVIDED POND BOTTOM AREA: ... 24,843 S.F.
ACCESS POND AREA: ..... 5,962 S.F.

CONSTRUCTION NOTES

1. 5' W x 10' L x 1'-6" DEEP RIP-RAP OVER COMPACTED NATIVE SOIL
2. ACCESS ROAD WITH 6" C.S.T.C. ON COMPACTED NATIVE SOIL.
3. PROTECT EXISTING "TYPE 'A' DRIVEWAY". PROVIDE AND INSTALL METAL FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN B-15. STA. 19+49.40, 113.23' LT, RIM ELEV.=2269.76
4. 6' CHAIN LINK FENCE WITH GATED ACCESS.
5. RIP RAP DITCH PER DETAIL 3 SHEET S3.01.
6. OUTLET STRUCTURE PER DETAIL 1, SHEET S3.01.
7. EXISTING POWER POLES.
8. DISCHARGE STRUCTURE PER DETAIL 2, SHEET S3.01.



NO SCALE
REFER TO FIGURE 40 PAGE 6-78 IN SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT

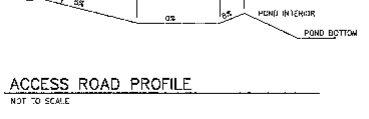
PIPE ANCHOR DETAIL

NOT TO SCALE

POND 2 INFORMATION			
TAG	STATION	OFFSET LT.	ELEVATION
A	38+08.50	43.02	2407
B	39+07.49	108.95	2407
C	39+33.63	154.43	2407
D	39+32.99	164.85	2407
E	39+36.51	180.07	2407
F	39+37.91	181.52	2407
G	40+16.13	149.71	2407
H	39+93.81	70.48	2407

POND 2 AREA TABLE		
ELEVATION (FT.)	POND AREA (S.F.)	VOLUME (C.F.)
2407	*3,350	0
2408	*4,402	13,873
2409	5,478	28,810
2410	16,581	44,837
2411	17,708	61,978

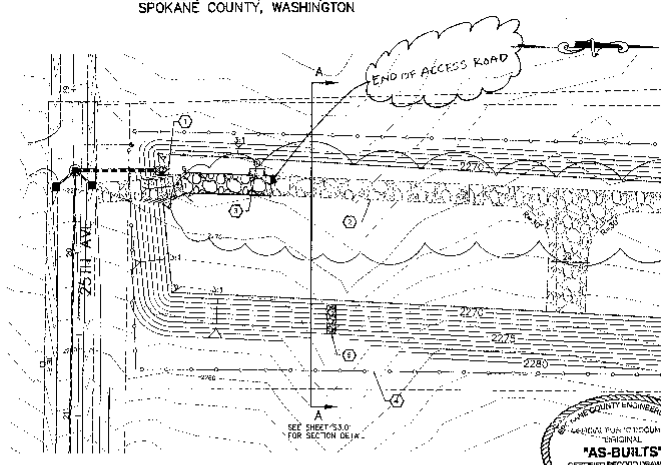
*MINIMUM BERM ELEVATION = 2412



ACCESS ROAD PROFILE

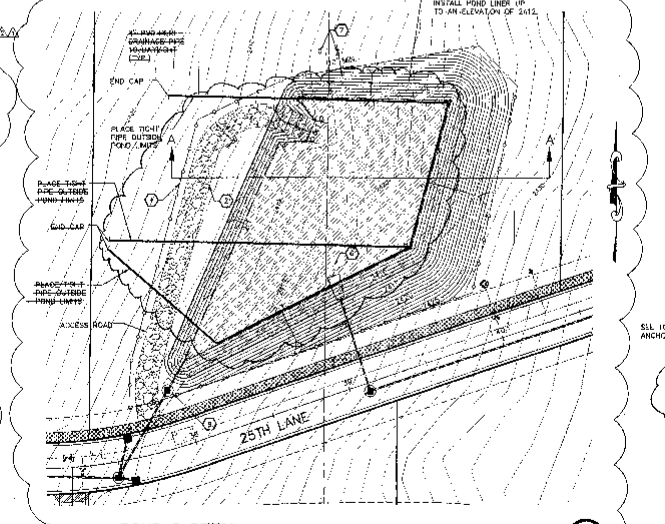
NOT TO SCALE

COUNTY DATUM
BASED ON G.P.S. ELEVATION FOR THE SW CORNER OF SECTION 25 (EL=2433.73) AND C 1/4 OF SECTION 25 (EL=2479.33), PROVIDED BY JERRY SIMAS, SPOKANE COUNTY ENGINEERS



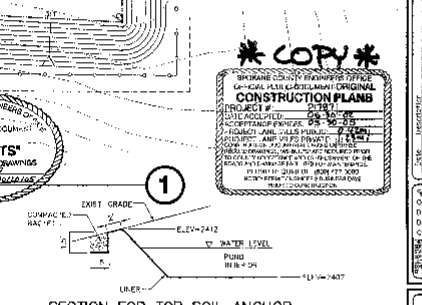
POND 1 DETAIL

SCALE: 1"=30'



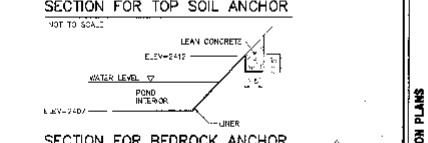
POND 2 DETAIL

SCALE: 1"=30'



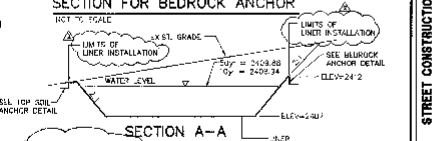
SECTION FOR TOP SOIL ANCHOR

NOT TO SCALE



SECTION FOR BEDROCK ANCHOR

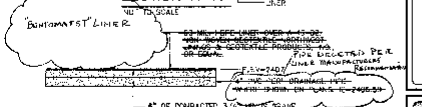
NOT TO SCALE



SEE TOP SOIL ANCHOR DETAIL

SECTION A-A

NOT TO SCALE



LINER SECTION

NOT TO SCALE

DEVELOPER'S APPROVAL

5/20/02
DATE

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

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAYMORE, P.E.
WASHINGTON REGISTRATION NO. 30312
FOR AND ON BEHALF OF
GLC ASSOCIATES, INC.

SPOKANE COUNTY ENGINEER'S OFFICE
GENERAL PLAN CONCEPT APPROVAL ORIGINAL
CONSTRUCTION PLANS
PROJECT # 01-187
DATE ADOPTED: 05-30-02
ACCEPTANCE ENGINEER: DS 10-05
7-EQUIPT. LANE, FALLS PUBLIC: 2,000
8-EQUIPT. LANE, FALLS PRIVATE: 1,000
SOIL PLANS AND REPORT INVALIDATED
PROJECT DRAWINGS, AS-BUILTS ARE REQUIRED PRIOR TO FINAL INSPECTION AFTER CONSTRUCTION OF THE ROAD AND DRAINAGE FACILITIES. REFER TO ENGINEERING DIVISION FOR ADDITIONAL REQUIREMENTS.
ACCEPTANCE OF CONSTRUCTION PLANS DOES NOT CONSTITUTE ROAD ACCEPTANCE.

SPOKANE COUNTY ENGINEER'S OFFICE
GENERAL PLAN CONCEPT APPROVAL ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # 01-187
DATE ACCEPTED: 10/10/05

* COPY *

Date	Description
10/08/02	ORIGINAL PLAN PREPARATION
10/29/02	REVISED PLAN
05/07/03	POND & PIPING REVISION
10/05/05	REVISED PER POND COMMENTS

Spokane Co. No. 01-187
G.L.C. Job Number: 1990007
Drawn By: EW/JKR
Designed By: EW/JKR
Checked By: JFS

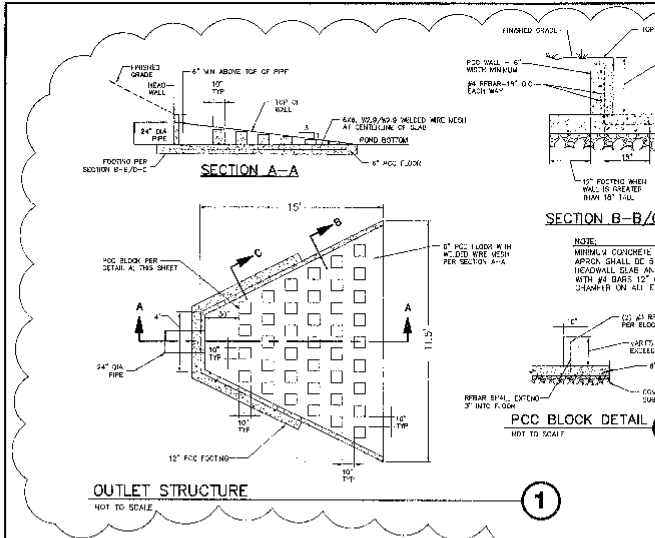
STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
STORM DRAINAGE AND POND DETAILS
SPOKANE COUNTY, WA

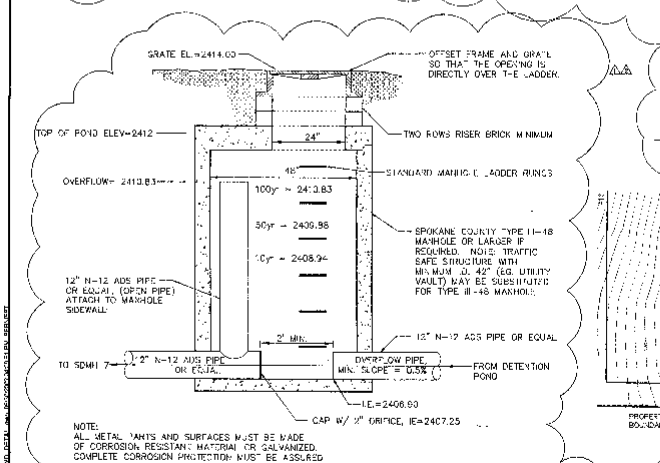
Sheet Title
STORM DRAIN AND POND DETAILS

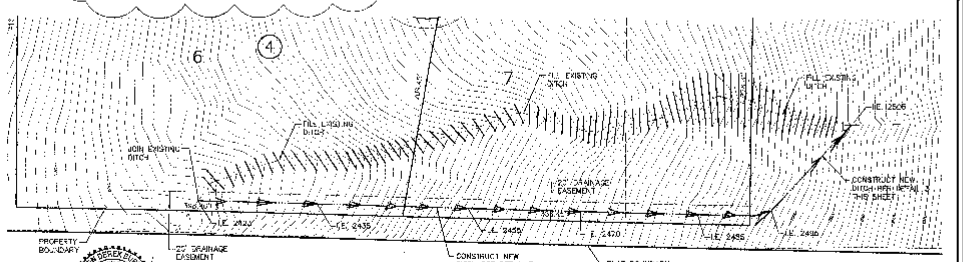
S3.00
Sheet Number

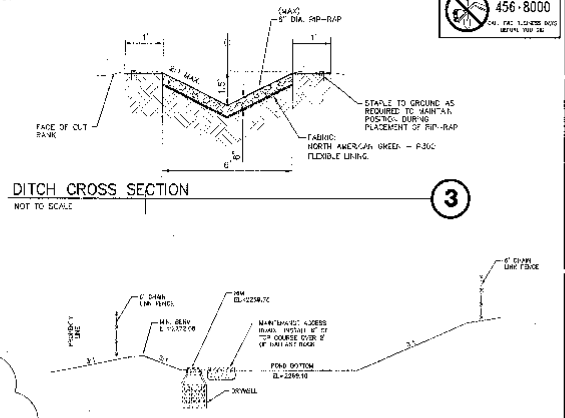
SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000









NOTE: ORGANIC CARBON TESTING IS REQUIRED AS PART OF THE FINAL INSPECTION FOR THE TOPSOIL SINCE THE DRYWELL GRATE IS GREATER THAN 2.5' ABOVE THE SOIL. IF THE CATION EXCHANGE CAPACITY IS LESS THAN 10, ORGANIC MATERIAL SUCH AS PEAT WILL NEED TO BE WORKED INTO THE SOIL. RETESTING WILL BE REQUIRED TO CONFIRM THAT THE PROPER CATION EXCHANGE HAS BEEN REACHED.

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

30# K.B.G. PERENNIAL RYE
20# DURAR HARD FESCUE
45# CUCMAN SHEEP / FESCUE
15# PENNLEYS CANADIAN BLUEGRASS

GRASS SEED: 90 LBS. / ACRE

FERTILIZER: 15-16-16+ TIMED RELEASE AT 300 LBS. / ACRE.

ALL SEEDING OF SLOPES SHALL BE PERFORMED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 9-01, AND APPROVAL BY "E" OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS BUILTS"
CAPTURED RECORD DRAWINGS
PROJECT #: 01787
DATE ACCEPTED: 10/30/02

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 01787
DATE ACCEPTED: 05-30-01
ACCEPTANCE DENIED: 05-30-01
PROJECT LANDMILES PUBLIC: 0.43 MI
PROJECT LANDMILES PRIVATE: 1.73 MI
PROJECT CONSTRUCTION COMPLETE: 10-30-01
PROJECT RECORD DRAWINGS RECEIVED: 10-30-01
QUALITY ASSURANCE AND ASSURANCE NOT CHECKED
PERMIT REQUIRED? (Y/N) 47/2006
NOTE: THIS PLAN DOES NOT TAKE PLACE OF ANY PERMIT REQUIRED BY OTHER AGENCIES

DEVELOPER'S APPROVAL

5/30/02
DATE

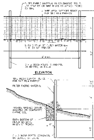
COUNTY DATUM
DERIVED FROM G.P.S. ELEVATION FOR T.C.B.M. CORNER OF SECTION 25 (EL.=2333.70) AND C 1/4 OF SECTION 26 (EL.=2419.337) PROVIDED BY JERRY SUMAS, SPOKANE COUNTY ENGINEERS

STREET CONSTRUCTION PLANS
MORGAN MURPHY ESTATES
STORM DRAINAGE AND POND DETAILS
SPOKANE COUNTY, WA

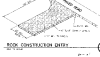
Sheet Title
STORM DRAIN AND POND DETAILS

S3.01
Sheet Number

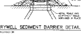
COVER SHEET
FOR
MORGAN MURPHY ESTATES
GRADING AND EROSION/SEDIMENT CONTROL PLAN
SEC. 25 & 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



SILT FENCE DETAIL (1)
NOT TO SCALE



ROCK CONSTRUCTION ENTRY (2)
NOT TO SCALE

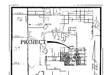


DRYWELL SEDIMENT BARRIER DETAIL (3)
CONSTRUCTION

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

JOHN FRANK SAWYERS, P.E.

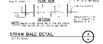
THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO APPLICABLE EDITIONS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ALL DESIGN DEVIATIONS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. I APPROVE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



VICINITY MAP

TABLE OF CONTENTS

COVER SHEET	SHEET 1
EROSION/SEDIMENT PLAN OVERALL	SHEET 2
EROSION/SEDIMENT PLAN	SHEET 3
EROSION/SEDIMENT PLAN	SHEET 4
EROSION/SEDIMENT PLAN	SHEET 5
EROSION/SEDIMENT PLAN	SHEET 6
EROSION/SEDIMENT PLAN	SHEET 7



STRAW BALE DETAIL (4)
NOT TO SCALE

GENERAL NOTES

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.
9. [illegible]
10. [illegible]
11. [illegible]
12. [illegible]

OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS

* COPY *
CONSTRUCTION PLANS

LEGEND

STORM DRAINAGE STRUCTURE – NO CONCRETE TRUCK WASHOUT. SEE EROSION & SEDIMENT CONTROL NOTES 4 AND 7.

SILT FENCE. SEE DETAIL 1 AND EROSION & SEDIMENT CONTROL NOTE 5.

ROCK CONSTRUCTION ENTRY. SEE DETAIL 2 AND EROSION & SEDIMENT CONTROL NOTE 6.

EROSION & SEDIMENT CONTROL

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. PROPERTY OWNER: [illegible]
9. PROJECT LOCATION: [illegible]
10. PROJECT DESCRIPTION: [illegible]
11. [illegible]
12. EXISTING VEGETATION: [illegible]
13. [illegible]
14. SOILS: [illegible]
15. [illegible]
16. [illegible]
17. [illegible]

MAINTENANCE

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. DUST CONTROL: [illegible]

DEVELOPER'S APPROVAL — 5/29/02 DATE

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

GRADING AND EROSION/SEDIMENT CONTROL PLANS
MORGAN MURPHY ESTATES
COVER SHEET
SPOKANE COUNTY, WASHINGTON

Sheet Title
COVER SHEET

1 of 7
Sheet Number

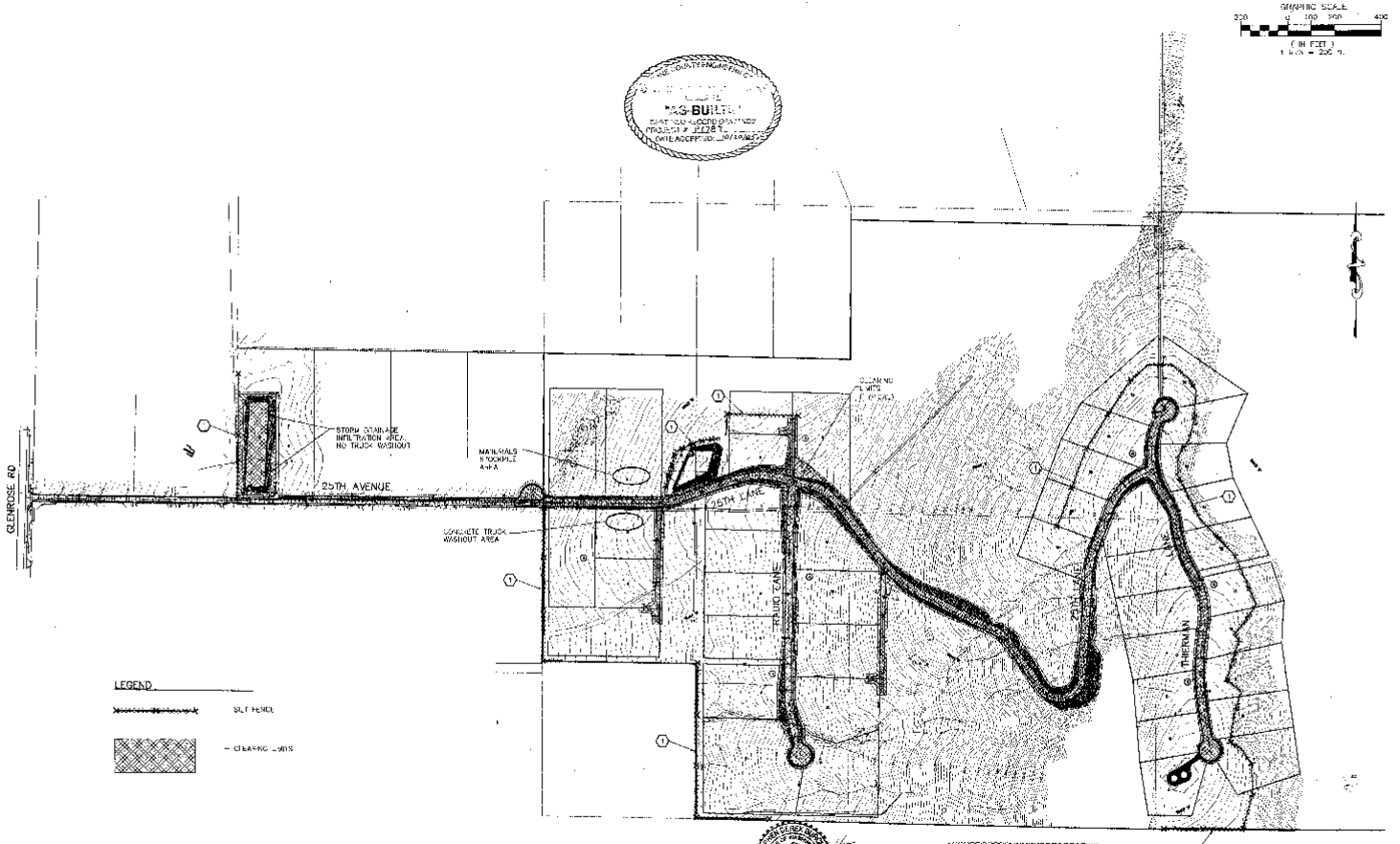
SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

CONSTRUCTION NOTES

(1) INSTALL SILT FENCE. SEE DETAIL 1 ON SHEET 1 OF 7.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

GRAPHIC SCALE
200 0 100 200 400
(IN FEET)
1 inch = 200 ft.



LEGEND

SILT FENCE

CLEARING LIMITS

COUNTY DATUM
BASED ON C.P.S. ELEVATION FOR THE SW CORNER OF SECTION 26 (CL-2332.72) AND C.P.S. SECTION 25 (CL-2479.37) PROVIDED BY LARRY SIMMS, SPOKANE COUNTY ENGINEERS

SPOKANE COUNTY ENGINEERS OFFICE
ONE-CALL PURPOSE DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 21167
DATE ACCEPTED: 06-30-02
ACCEPTANCE EXPIRES: 06-30-02
PROJECT LANE MILES: 0.92mi.
PROJECT LANE MILES PRIVATE: 1.25mi

* COPY *

DEVELOPER'S APPROVAL

5/30/02
DATE

GRADING AND EROSION/SEDIMENT CONTROL PLANS
MORGAN MURPHY ESTATES
PLAN SHEET
SPOKANE COUNTY, WASHINGTON

Sheet Title
COVER SHEET

2 of 7
Sheet Number

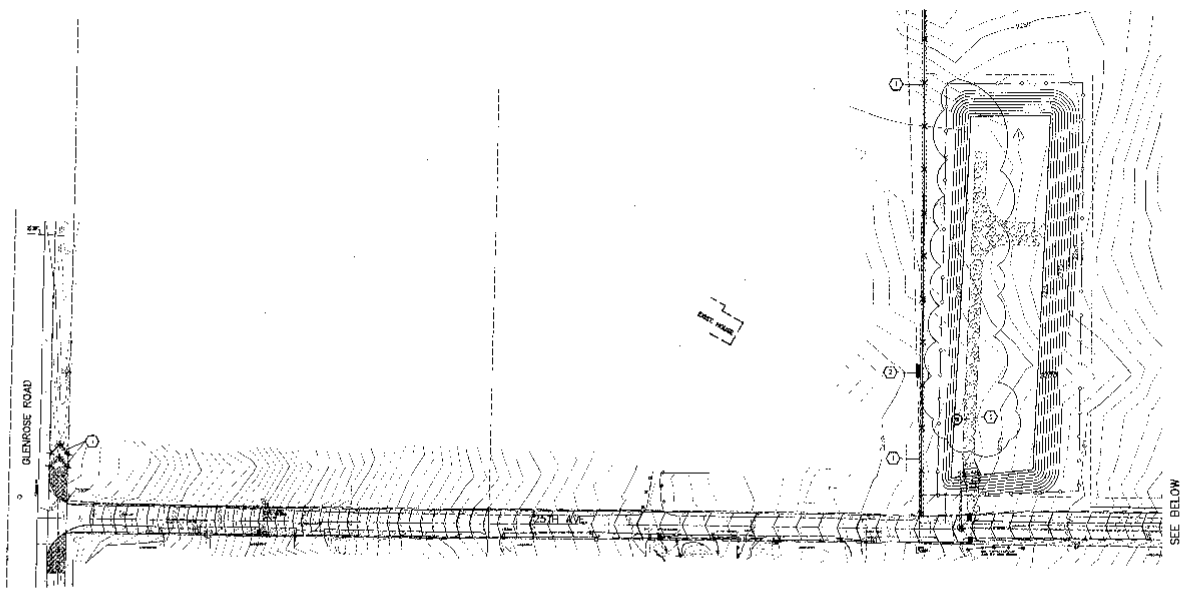
SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

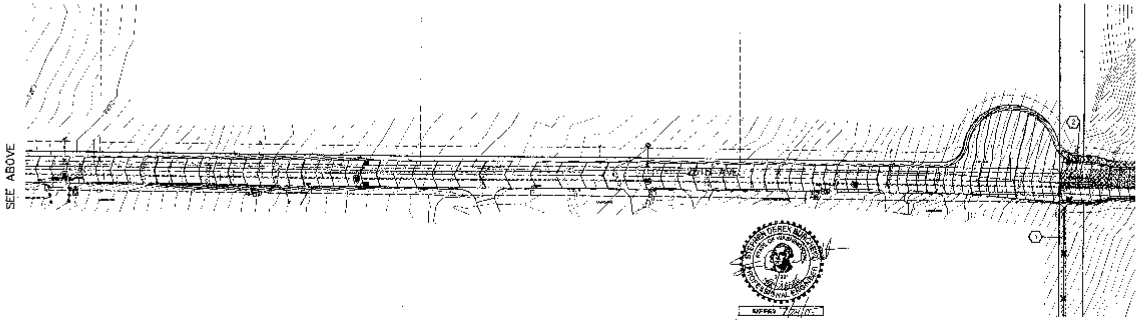
CONSTRUCTION NOTES

1. INSTALL SILT FENCE. SEE DETAIL 1 ON SHEET 1 OF 7.
2. INSTALL HAY BALE. SEE DETAIL 4 ON SHEET 1 OF 7.
3. DRYWELL SEDIMENT BARRIER. SEE DETAIL 3 ON SHEET 1 OF 7.
4. ROCK CONSTRUCTION ENTRY. SEE DETAIL 2 ON SHEET 1 OF 7.

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

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





SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # 98-01787
DATE ACCEPTED: 10/15/02

SPOKANE COUNTY ENGINEER

SUPPLY

COUNTY DATUM
BASED ON C.+S. ELEVATION FOR THE SW CORNER OF SECTION 23 (EL.=2332.0) OR AND C.+S. SECTION 26 (EL.=2479.33') PROVIDED BY JERRY SMITH, SPOKANE COUNTY ENGINEERS

* COPY *
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 98187
DATE ACCEPTED: 06-30-02
FACILITIES LIFEMILE: 05-10-05
PROJECT LANE MILES/VOLUME: 0.42 mi
TOTAL LANE MILES PRIVATE: 0.33 mi
THIS DOCUMENT IS THE PROPERTY OF SPOKANE COUNTY. THIS DOCUMENT IS TO BE RETURNED TO THE ENGINEERING DIVISION UPON REQUEST OR COMPLETION OF THE PROJECT. DO NOT REPRODUCE.
IF THIS DOCUMENT IS LOST, CONTACT SCC INFRASTRUCTURE ENGINEERING DIVISION FOR REPLACEMENT COPY

Mike Shine
DEVELOPER'S APPROVAL

5/30/02
DATE

GRADING AND EROSION/SEDIMENT CONTROL PLANS
MORGAN MURPHY ESTATES
PLAN SHEET
SPOKANE COUNTY, WASHINGTON

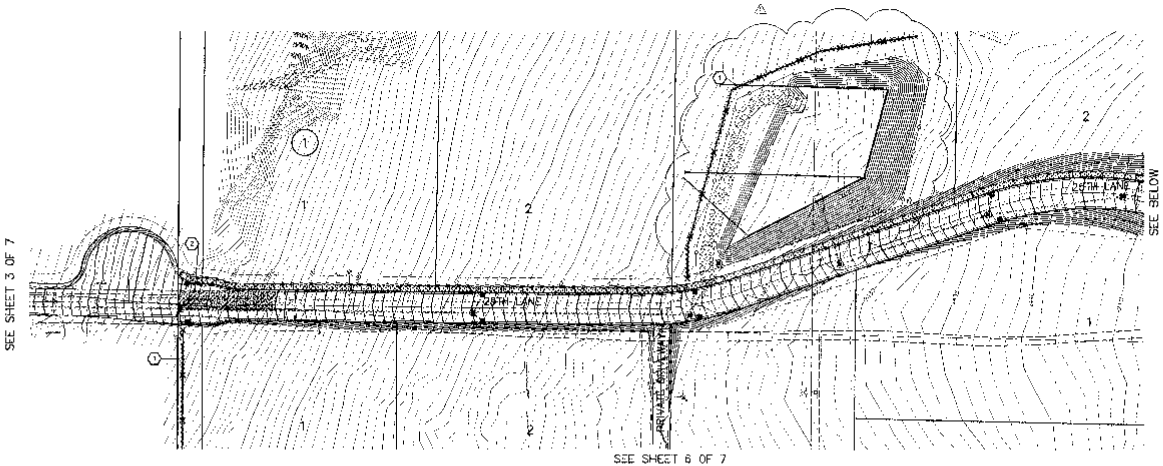
Sheet Title
COVER SHEET

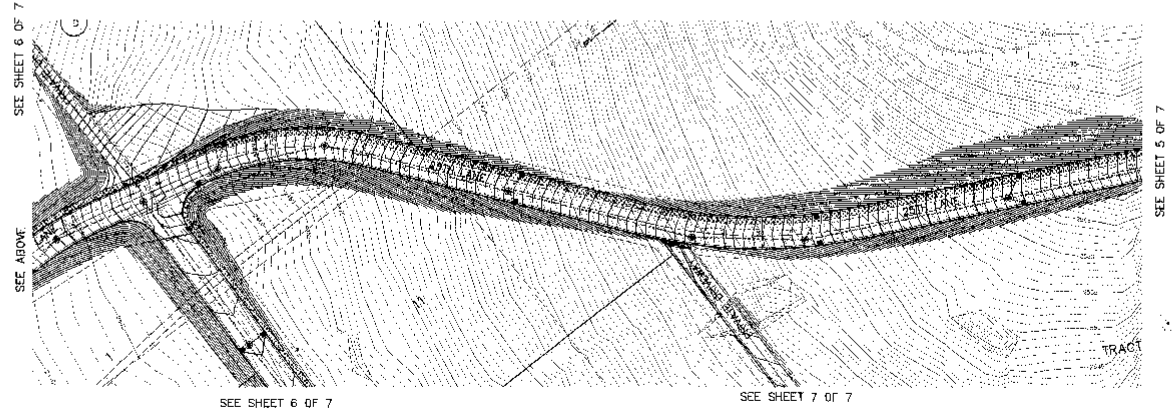
3 of 7
Sheet Number

SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

CONSTRUCTION NOTES

1. INSTALL SILT FENCE. SEE DETAIL 1 ON SHEET 1 OF 7.
2. ROCK CONSTRUCTION ENTRY. SEE DETAIL 2 ON SHEET 1 OF 7.





COUNTY DATUM
SECTION 26 ELEV. 2379.337 FOUND BY JERRY
BRAAS, SPOKANE COUNTY ENGINEERS

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
(201 NO SCHEDULE DAYS BEFORE YOU DIG)

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

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 0-362
DATE ACCEPTED: 10/1/02

* COPY *

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 2187
DATE ACCEPTED: 08-30-02
ACCEPTANCE EXPIRES: 08-30-03
PROJECT LANE MILES: 0.42mi
PROJECT AREA: 1.13mi
PROJECT ENGINEER: [illegible]
PROJECT RECORDER: [illegible]

Mike Hume
DEVELOPER'S APPROVAL

5/30/02
DATE

CLE Associates, Inc.
Planning
Engineering
Surveying
Landscape Architecture
Land Surveying
[illegible]

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN "BRIAN" DAVIDSON, P.E.
WASHINGTON REGISTRATION
[illegible]
FOR AND ON BEHALF OF
CLE ASSOCIATES, INC.

Date: [illegible]
Revisions: [illegible]
Record Drawings
Project number: [illegible]
File No. Number: [illegible]
Drawn by: [illegible]
Designed by: [illegible]
Checked by: [illegible]

GRADING AND EROSION/SEDIMENT CONTROL PLANS
MORGAN MURPHY ESTATES
PLAN SHEET
SPOKANE COUNTY, WASHINGTON

Sheet Title
COVER SHEET

4 of 7
Sheet Number

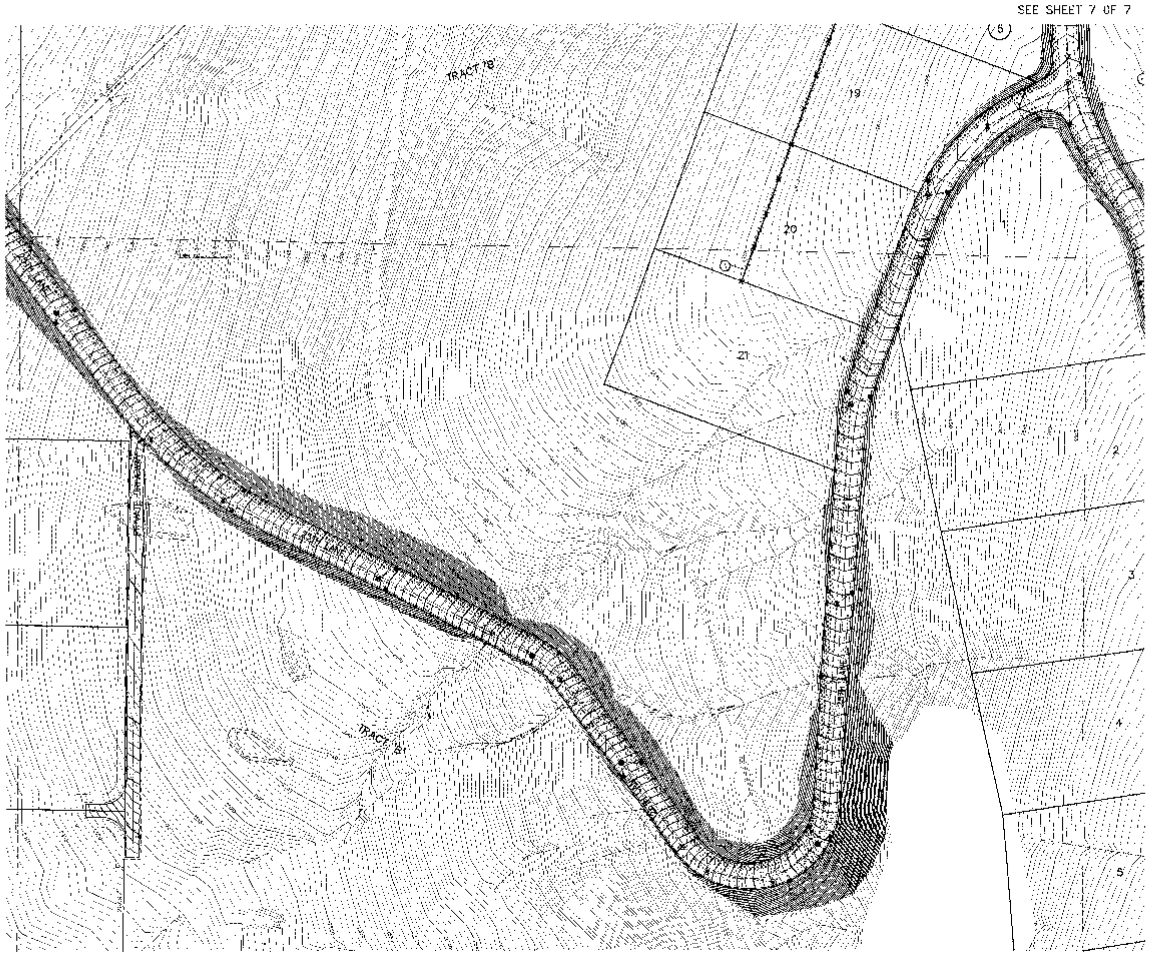
SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

CONSTRUCTION NOTES

(1) INSTALL SILT FENCE, SEE DETAIL 1 ON SHEET 1 OF 7.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

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



"AS-BUILTS"
CERTIFIED RECORD DRAWING
PROJECT #
DATE RECEIVED

* COPY *

SPOKANE COUNTY ENGINEERS OFFICE
DIVISION PUBLIC WORKS / WHITE ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 01T87
DATE ACCEPTED: 08-30-02
LOCAL ACCESS: 0.62 mi
COLLECTOR LANE MILES: 0.62 mi
PROJECT LANE MILES: 1.23 mi
ACCEPTED FOR MAINTENANCE
SECOND FINAL CLOSED INSPECTION APPROVED
AS-BUILT RECORDS CALLED HEREON MEET OR EXCEED SPOKANE COUNTY STANDARDS
FOR SPOKANE COUNTY ENGINEERS OFFICE
PUBLIC WORKS DIVISION
MARTY MORGAN, DEPUTY DIRECTOR
DATE ACCEPTED: 08-30-02

COUNTY DATUM
BASED ON GPS RESULTS FOR THE SW CORNER OF SECTION 26 (N 47°43'02.4" AND W 117°24'02.2") FOR BLM CORNER SHOWN SHOWN - COUNTY ENGINEERS

Mike Hrow
DEVELOPER'S APPROVAL

5/20/02
DATE

GRADING AND EROSION/SEDIMENT CONTROL PLANS
MORGAN MURPHY ESTATES
PLAN SHEET
SPOKANE COUNTY, WASHINGTON

Sheet Title
COVER SHEET

5 of 7
Sheet Number

SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

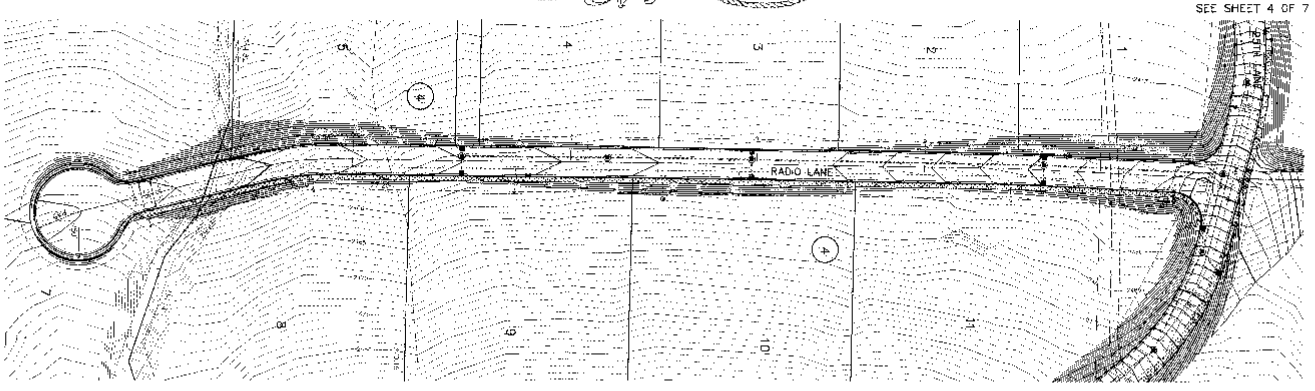
CONSTRUCTION NOTES

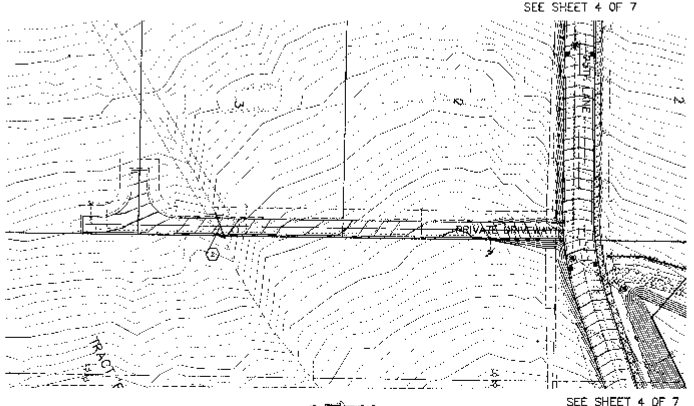
1. INSTALL SILT FENCE. SEE DETAIL 1 ON SHEET 1 OF 7.
2. INSTALL 38 L.F. OF 12" N-12 ADS, OR EQUAL, PVC CULVERT @ S-0.0300%, INV(E)=2402.85, INV(W)=2400.60

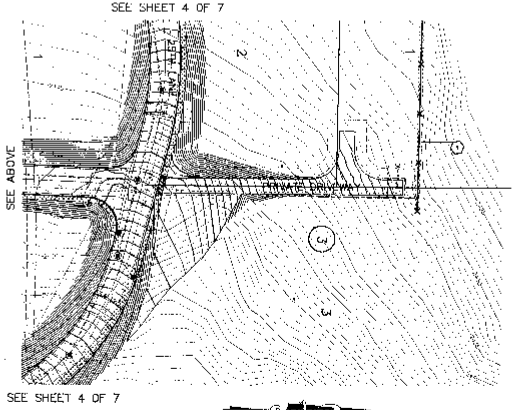
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

OFFICIAL PUBLIC EQUIVALENT ORIGINAL
"AS-BUILTS"
CERT. PROFESSIONAL ENGINEER
PROJECT # 2187
DATE ACCEPTED 5/30/02

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







COUNTY DATUM
BASED ON GPS OBSERVATION FOR NE SIDE CORNER OF SECTION 26 T25N R43E W.M. & 1/4 CORNER SECTION 26 T25N R43E W.M. PROVIDED BY JERRY SIMS, SPOKANE COUNTY ENGINEERS

COPY
SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC EQUIVALENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P1187
DATE ACCEPTED: 05-30-02
MAINTENANCE ACCEPTED: 05-30-05
PROPERTY LINE IS LESS PUBLIC: 0.42 ac.
PROPERTY LINE IS LESS PUBLIC: 1.53 ac.
[illegible]
REPORT FOUND IN: [illegible]
[illegible]

DEVELOPER'S APPROVAL — DATE 5/30/02

ASSOCIATES, INC.
Planners
Engineers
Surveyors
Landscape Architects
Land Developers
[illegible]

PREPARED UNDER THE DIRECT SUPERVISION OF
[illegible]
REGISTRATION NO. [illegible]
[illegible]

Project Number	[illegible]
D.E.S. No. Number	[illegible]
Drawn By	[illegible]
Designed By	[illegible]
Checked By	[illegible]

GRADING AND EROSION/SEDIMENT CONTROL PLANS
MORGAN MURPHY ESTATES
PLAN SHEET
SPOKANE COUNTY, WASHINGTON

Sheet Title
COVER SHEET

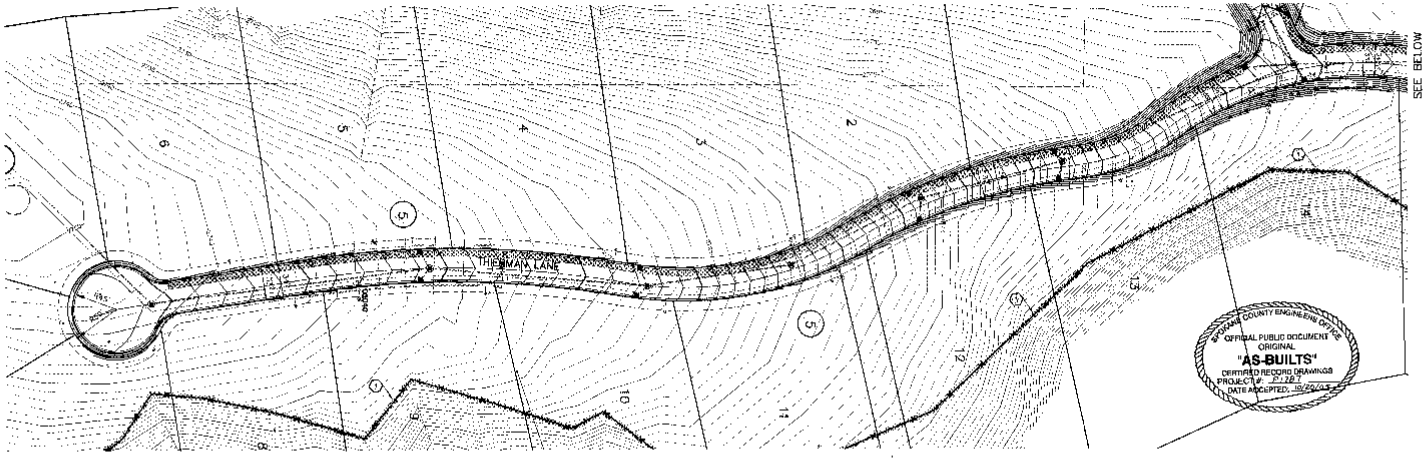
6 of 7
Sheet Number

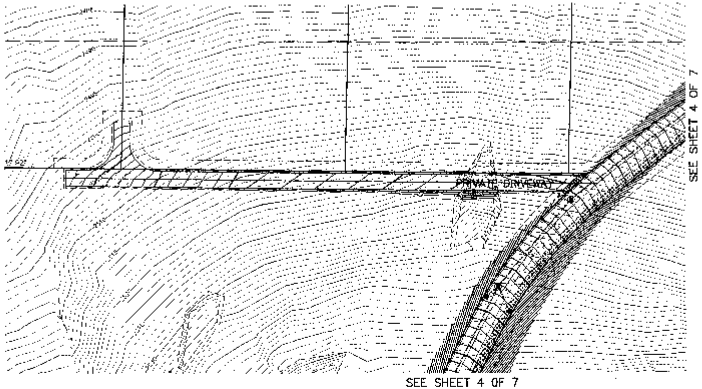
SEC. 26, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

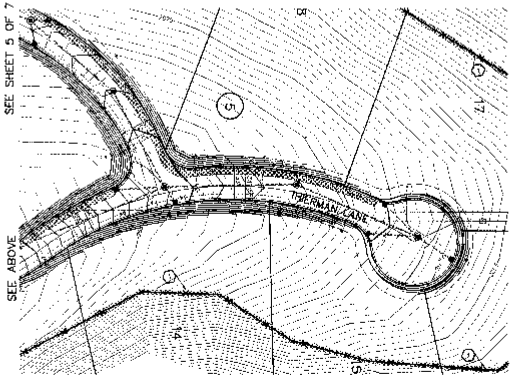
CONSTRUCTION NOTES

1. INSTALL SILT FENCE, SEE DETAIL 1 ON SHEET 1 OF 7.

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







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

* COPY *

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1287
DATE ACCEPTED: 05-30-05
MAINTENANCE ENTERS: 05-30-05
PROJECT LANE MILES PUBLIC: 0.42 mi
PROJECT LANE MILES PRIVATE: 1.25 mi
PERMIT RECEIPT # 298 677 300

Mike Hume
DEVELOPER'S APPROVAL

5/30/02
DATE

COUNTY DATUM
BASED ON G.P.S. ELEVATION OF THE SW CORNER OF SECTION 26 (EL.=2332.70) AND THE S 1/4 OF SECTION 23 (EL.=2419.37) PROVIDED BY JERRY GROVE, SPOKANE COUNTY ENGINEERS

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

Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN THANE DAYNALIS, P.E.
WASHINGTON REGISTRATION NO. 32812
FOR AND ON BEHALF OF
L.U.S. ASSOCIATES, INC.

DATE	Revisions
10/25/05	RECORD PLAN INCORPORATION
10/25/05	CLOSED PERMITTED

Project Number: 96060252
CAD Job Name: 96060252
Drawn By: DMT
Designed By: DHP
Checked By: JTD

GRADING AND EROSION/SEDIMENT CONTROL PLANS
MORGAN MURPHY ESTATES
PLAN SHEET
SPOKANE COUNTY, WASHINGTON

Sheet Title
COVER SHEET

7 of 7
Sheet Number