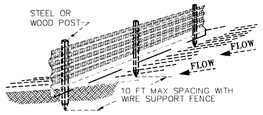
SILT FENCE DETAIL

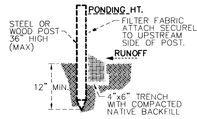
NOT TO SCALE

SILTCO 180 SF SPEC



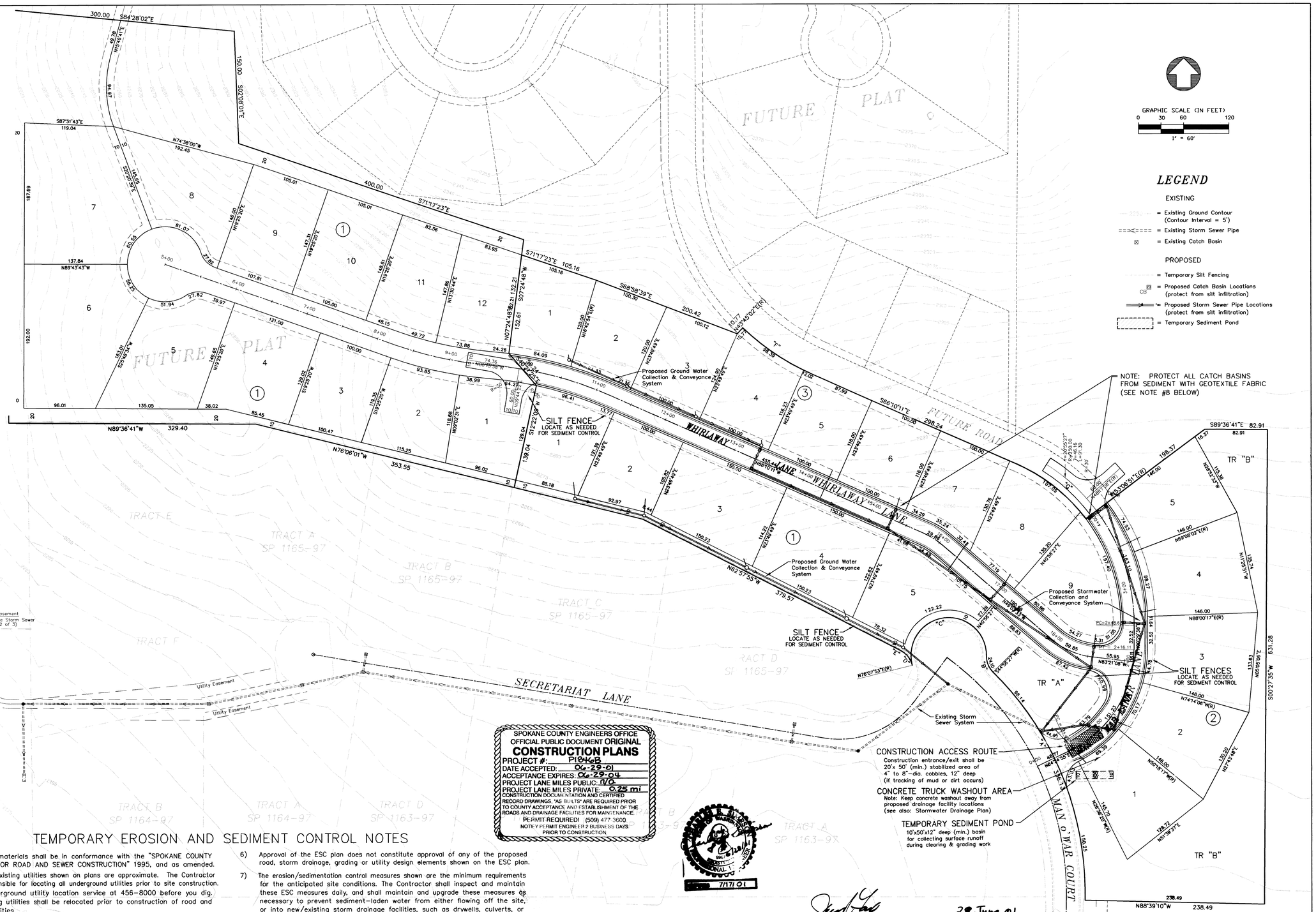
SILT FENCE SECTION

NOT TO SCALE



SILT FENCE NOTES:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
4. TEMPORARY SILT FENCE LOCATION SHOWN ON THIS PLAN IS SCHEMATIC IN NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING ALL SILT RUNOFF DURING CONSTRUCTION.



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1846B
DATE ACCEPTED: 06-29-01
ACCEPTANCE EXPIRES: 06-29-04
PROJECT LANE MILES PUBLIC: n/a
PROJECT LANE MILES PRIVATE: 0.25 mi
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477 3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

7/17/01

TEMPORARY EROSION AND SEDIMENT CONTROL NOTES

1) All work and materials shall be in conformance with the "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 1995, and as amended.
2) Locations of existing utilities shown on plans are approximate. The Contractor shall be responsible for locating all underground utilities prior to site construction. Call the underground utility location service at 456-8000 before you dig. Any conflicting utilities shall be relocated prior to construction of road and drainage facilities.
3) The Contractor is required to have a complete set of the approved road and/or drainage plans on the job site whenever construction is in progress.
4) If the Contractor discovers any discrepancies between the plans and existing conditions encountered, the Contractor shall immediately notify the Design Engineer and the Spokane County Engineers office.
5) This Erosion & Sediment Control (ESC) plan is required for this project. Implementation of the ESC plan, and construction, maintenance, and upgrading of the ESC facilities are the responsibility of the Developer until all construction is completed and accepted by Spokane County, or until vegetation is established throughout the site, and accepted by Spokane County, whichever is later.
6) Approval of the ESC plan does not constitute approval of any of the proposed road, storm drainage, grading or utility design elements shown on the ESC plan.
7) The erosion/sedimentation control measures shown are the minimum requirements for the anticipated site conditions. The Contractor shall inspect and maintain these ESC measures daily, and shall maintain and upgrade these measures as necessary to prevent sediment-laden water from either flowing off the site, or into new/existing storm drainage facilities, such as drywells, culverts, or gravel galleries.
8) Geotextile fabric is to be placed on the rims of drywells, catch basins and inlets until such time as the vegetation on the site is established and the threat of sediment deposition into the drainage system is mitigated.
9) All temporary erosion and sediment control facilities shall be removed within 30 days after final site stabilization or after the temporary control facilities are no longer needed. Trapped sediment shall be removed from the project site or stabilized on-site. Stabilize disturbed soil areas resulting from the removal of the temporary control facilities.

TBM: 60d Spike in RR-Tie Fence Corner post
ELEVATION: 2227.57

BM: Brass Cap #2227
South side of 32nd Avenue
just East of Man o'War Court
ELEVATION: 2226.53

DEVELOPERS APPROVAL

28 June 01
DATE

Founded 1946
Simpson Engineers, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
N. 909 ARGONNE ROAD, SPOKANE WA., 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323

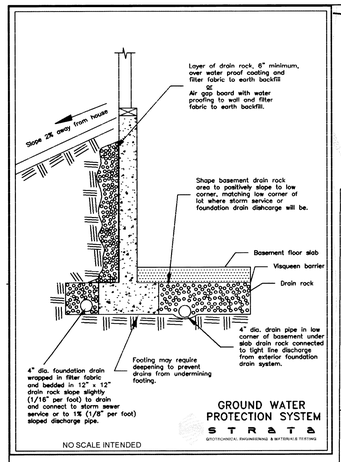
DRAWN BY	DOUG CHRISTENSON	DATE	6-28-2001	PROJECT NO.	DRAWING NO.
CHECKED BY		DATE		14044	1 OF 1

REMINGTON HILL 2ND ADDITION

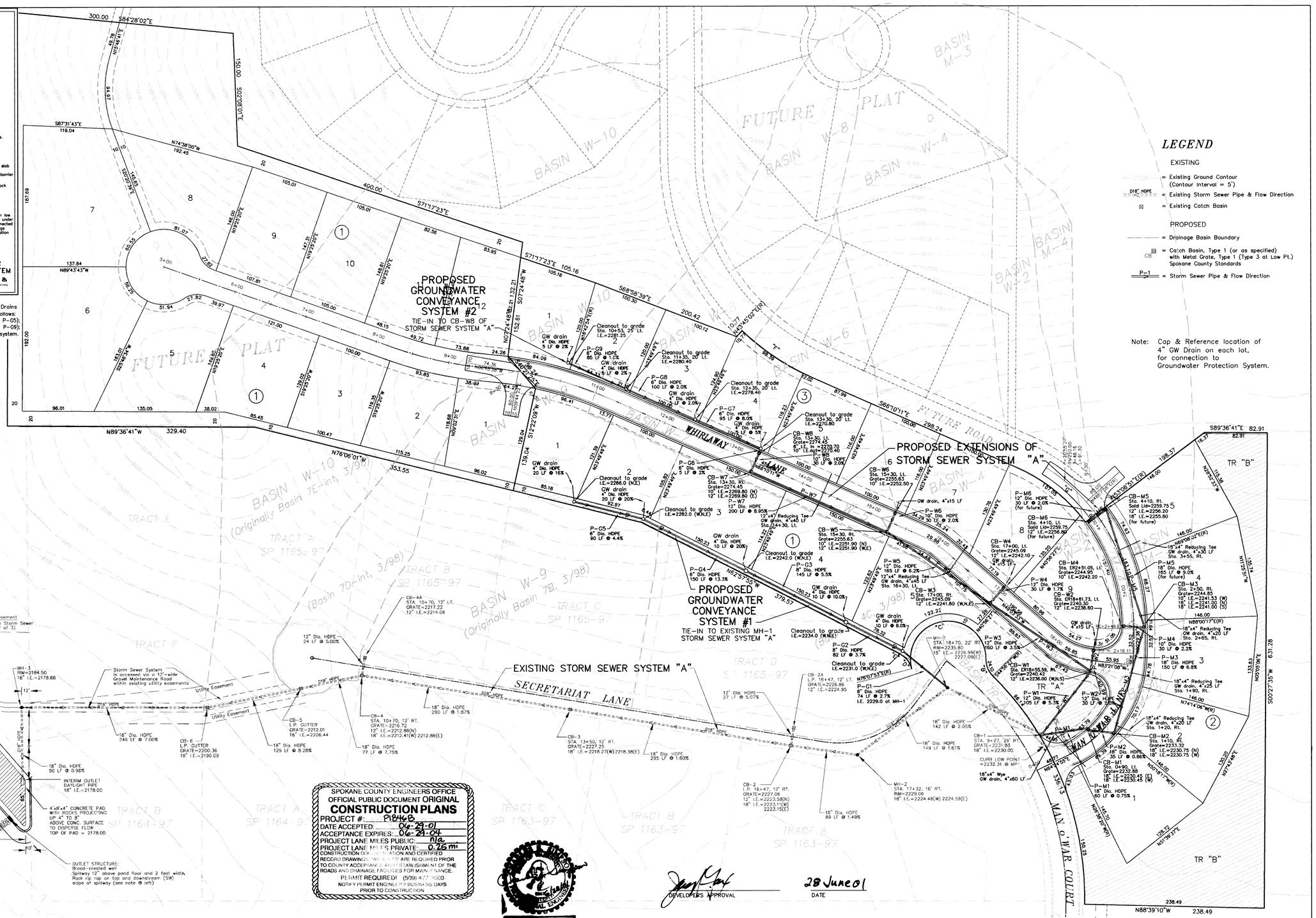
EROSION & SEDIMENT CONTROL PLAN
SE 1/4 OF SECTION 25, T.25 N., R.44 E.W.M.
SPOKANE COUNTY, WASHINGTON

P-1846B Eng Road + Drainage

P:\Projects\14001-14500\14044.dwg\14044-PrDesc.dwg 06/28/01 12:04:40 PM PDT



NOTE: Ground Water Protection Systems shall connect via 4" GW Drains to Storm Sewer System "A" for conveyance to the Interim Pond as follows:
Lots 1–5, B–1 connect to Groundwater Conveyance System #1 (P–G1– P–G5);
Lots 1–4, B–3 connect to Groundwater Conveyance System #2 (P–G6 – P–G9);
Lots 1–5, Block 2 and Lots 5–9, Block 3 connect directly to storm system.



LEGEND

EXISTING

- = Existing Ground Contour (Contour Interval = 5')
- D18" HDPE = Existing Storm Sewer Pipe & Flow Direction
- = Existing Catch Basin

PROPOSED

- = Drainage Basin Boundary
- CB = Catch Basin, Type 1 (or as specified) with Metal Grate, Type 1 (Type 3 at Low Pt.) Spokane County Standards
- P-1 = Storm Sewer Pipe & Flow Direction

Note: Cap & Reference location of 4" GW Drain on each lot, for connection to Groundwater Protection System.

TBM: 60d Spike in RR–Tie Fence Corner post
ELEVATION: 2227.57

BM: Brass Cap #2227
South side of 32nd Avenue
just East of Man o'War Court
ELEVATION: 2226.53

GRAPHIC SCALE (IN FEET)
0 30 60 120
1" = 60'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1846B
DATE ACCEPTED: 06-29-01
ACCEPTANCE EXPIRES: 06-29-04
PROJECT LANE MILES PUBLIC: n/a
PROJECT LANE MILES PRIVATE: 0.25 mi
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, AS-BUILTS ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 72 BUSINESS DAYS PRIOR TO CONSTRUCTION

7/1/01

DEVELOPERS APPROVAL

28 June 01
DATE

NOTE: Existing Storm Sewer System in Secretariat Lane, and Interim "208" Pond, as per As-Constructed plans for Secretariat Lane/SP 1163-97, SP 1164-97 and SP 1164-97 (updated 11-13-98)

NOTE: See separate Erosion & Sediment Control Plan for construction ESC provisions, and street plan-profile sheets No. 1 of 2 (Whirlaway Lane) & 2 of 2 (Man o'War Lane).

ENGINEER'S CERTIFICATION

The design improvements shown in this set of plans conform to the applicable editions of the Spokane County standards for road and sewer construction and Spokane County guidelines for stormwater management. All design deviations have been approved by the Spokane County Engineer. I approve these plans for construction.

4-24-01: Revised as per Spokane County comments.
1-24-01: Added groundwater collection & conveyance systems.

Founded 1946
Simpson Engineers, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
N. 909 ARGONNE ROAD, SPOKANE WA., 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323

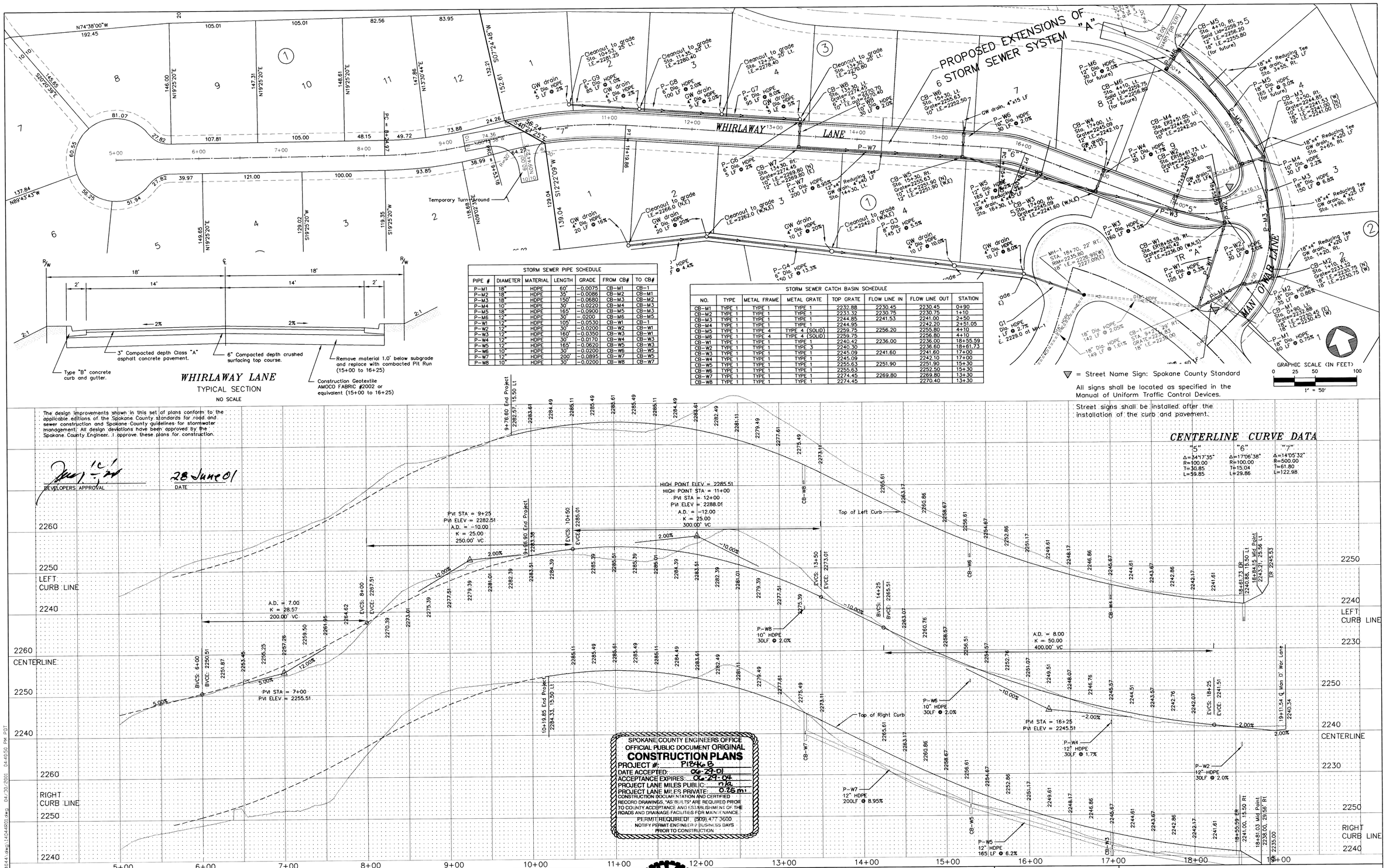
DRAWN BY	DOUG CHRISTENSON	DATE	11-1-2000	PROJECT NO.	DRAWING NO.
CHECKED BY		DATE		14044	1 OF 1

REMINGTON HILL 2ND ADDITION

DRAINAGE TOPOGRAPHY MAP
SE 1/4 OF SECTION 25, T.25 N., R.44 E.W.M.
SPOKANE COUNTY, WASHINGTON

P-1846B Eng Road & Drainage

P:\Projects\14001-14500\14044\dwg\14044001.dwg, 04/30/2001 03:57:00 PM PDT



WHIRLAWAY LANE

TYPICAL SECTION

NO SCALE

STORM SEWER PIPE SCHEDULE						
PIPE #	DIAMETER	MATERIAL	LENGTH	GRADE	FROM CB#	TO CB#
P-M1	18"	HDPE	60'	-0.0075	CB-M1	CB-1
P-M2	18"	HDPE	35'	-0.0086	CB-M2	CB-M1
P-M3	18"	HDPE	150'	-0.0680	CB-M3	CB-M2
P-M4	10"	HDPE	30'	-0.0220	CB-M4	CB-M3
P-M5	18"	HDPE	165'	-0.0900	CB-M5	CB-M3
P-M6	12"	HDPE	30'	-0.0200	CB-M6	CB-M5
P-W1	12"	HDPE	105'	-0.0530	CB-W1	CB-1
P-W2	12"	HDPE	30'	-0.0200	CB-W2	CB-W1
P-W3	12"	HDPE	160'	-0.0350	CB-W3	CB-W1
P-W4	12"	HDPE	30'	-0.0170	CB-W4	CB-W3
P-W5	12"	HDPE	165'	-0.0620	CB-W5	CB-W3
P-W6	10"	HDPE	30'	-0.0200	CB-W6	CB-W5
P-W7	12"	HDPE	200'	-0.0895	CB-W7	CB-W5
P-W8	10"	HDPE	30'	-0.0200	CB-W8	CB-W7

STORM SEWER CATCH BASIN SCHEDULE							
NO.	TYPE	METAL FRAME	METAL GRATE	TOP GRATE	FLOW LINE IN	FLOW LINE OUT	STATION
CB-M1	TYPE 1	TYPE 1	TYPE 1	2232.88	2230.45	2230.45	0+90
CB-M2	TYPE 1	TYPE 1	TYPE 1	2233.32	2230.75	2230.75	1+10
CB-M3	TYPE 1	TYPE 1	TYPE 1	2244.85	2241.53	2241.00	2+50
CB-M4	TYPE 1	TYPE 1	TYPE 1	2244.95		2242.20	2+51.05
CB-M5	TYPE 1	TYPE 4	TYPE 4 (SOLID)	2259.75	2256.20	2255.80	4+10
CB-M6	TYPE 1	TYPE 4	TYPE 4 (SOLID)	2259.75		2256.80	4+10
CB-W1	TYPE 1	TYPE 1	TYPE 1	2240.42	2236.00	2236.00	18+55.59
CB-W2	TYPE 1	TYPE 1	TYPE 3	2240.30		2236.60	18+61.73
CB-W3	TYPE 1	TYPE 1	TYPE 1	2245.09	2241.60	2241.60	17+00
CB-W4	TYPE 1	TYPE 1	TYPE 1	2245.09		2242.10	17+00
CB-W5	TYPE 1	TYPE 1	TYPE 1	2255.63	2251.90	2251.90	15+30
CB-W6	TYPE 1	TYPE 1	TYPE 1	2255.63		2252.50	15+30
CB-W7	TYPE 1	TYPE 1	TYPE 1	2274.45	2269.80	2269.80	13+30
CB-W8	TYPE 1	TYPE 1	TYPE 1	2274.45		2270.40	13+30

The design improvements shown in this set of plans conform to the applicable editions of the Spokane County standards for road and sewer construction and Spokane County guidelines for stormwater management. All design deviations have been approved by the Spokane County Engineer. I approve these plans for construction.

DEVELOPERS APPROVAL — DATE: 28 June 01

CENTERLINE CURVE DATA

"5"	"6"	"7"
Δ=34°17'35"	Δ=17°06'38"	Δ=14°05'32"
R=100.00	R=100.00	R=500.00
T=30.85	T=15.04	T=61.80
L=59.85	L=29.86	L=122.98

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1846B
DATE ACCEPTED: 06-29-01
ACCEPTANCE EXPIRES: 06-29-04
PROJECT LANE MILES PUBLIC: n/a
PROJECT LANE MILES PRIVATE: 0.75 mi
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED!! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

BY	DATE	REVISIONS / AS BUILT

DATUM	SCALE		DATE
TBM NO.	HORIZONTAL 1"=50'	DRAWN M. C. PHILLIPS	
ELEVATION	VERTICAL 1"=10'	CHECKED	
LOCATION		APPROVED	

CALL BEFORE YOU DIG 456-8000

7/17/01

Founded 1946
Simpson Engineers, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
N. 909 ARGONNE ROAD, SPOKANE WA., 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323

TYPE OF IMPROVEMENT: STREET

PROJECT NUMBER	SHEET NUMBER
14044	1 OF 2

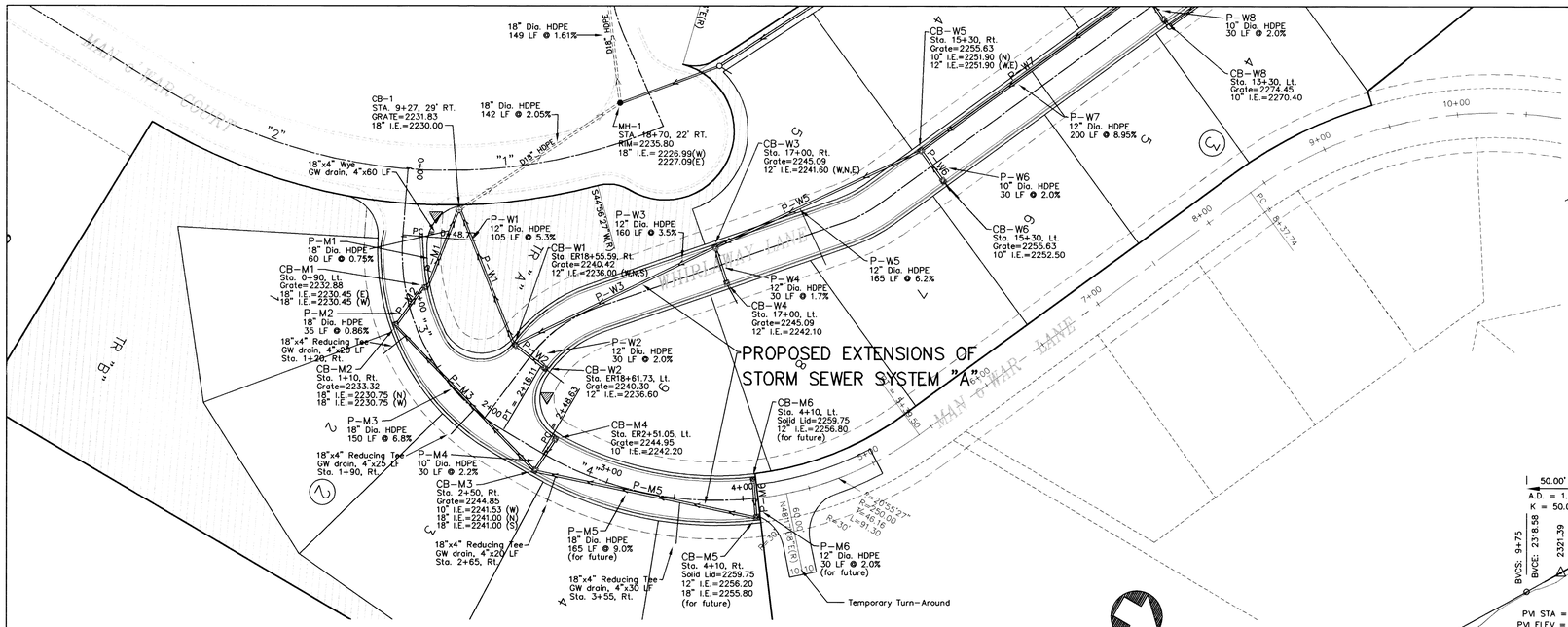
REMINGTON HILL 2ND ADDITION

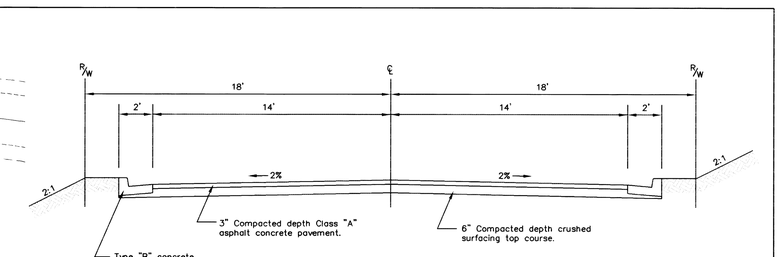
WHIRLAWAY LANE

THE SE 1/4 OF SEC.25, T25N, R44 EWM

P-1846B Eng Road + Drainage

P:\Projects\14001-14500\14044\dwg\14044R01.dwg 04/30/2001 04:40:56 PM PDT





MAN o' WAR LANE

TYPICAL SECTION

NO SCALE

STORM SEWER PIPE SCHEDULE						
PIPE #	DIAMETER	MATERIAL	LENGTH	GRADE	FROM CB#	TO CB#
P-M1	18"	HDPE	60'	-0.0075	CB-M1	CB-1
P-M2	18"	HDPE	35'	-0.0086	CB-M2	CB-M1
P-M3	18"	HDPE	150'	-0.0680	CB-M3	CB-M2
P-M4	10"	HDPE	30'	-0.0220	CB-M4	CB-M3
P-M5	18"	HDPE	165'	-0.0900	CB-M5	CB-M3
P-M6	12"	HDPE	30'	-.0200	CB-M6	CB-M5
P-W1	12"	HDPE	105'	-0.0530	CB-W1	CB-1
P-W2	12"	HDPE	30'	-0.0200	CB-W2	CB-W1
P-W3	12"	HDPE	160'	-0.0350	CB-W3	CB-W1
P-W4	12"	HDPE	30'	-0.0170	CB-W4	CB-W3
P-W5	12"	HDPE	165'	-0.0620	CB-W5	CB-W3
P-W6	10"	HDPE	30'	-0.0200	CB-W6	CB-W5
P-W7	12"	HDPE	200'	-0.0895	CB-W7	CB-W5
P-W8	10"	HDPE	30'	-0.0200	CB-W8	CB-W7

STORM SEWER CATCH BASIN SCHEDULE							
NO.	TYPE	METAL FRAME	METAL GRATE	TOP GRATE	FLOW LINE IN	FLOW LINE OUT	STATION
CB-M1	TYPE 1	TYPE 1	TYPE 1	2232.88	2230.45	2230.45	0+90
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CB-M4	TYPE 1	TYPE 1	TYPE 1	2244.95		2242.20	2+51.05
CB-M5	TYPE 1	TYPE 4	TYPE 4 (SOLID)	2259.75	2256.20	2255.80	4+10
CB-M6	TYPE 1	TYPE 4	TYPE 4 (SOLID)	2259.75		2256.80	4+10
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CB-W4	TYPE 1	TYPE 1	TYPE 1	2245.09		2242.10	17+00
CB-W5	TYPE 1	TYPE 1	TYPE 1	2255.63	2251.90	2251.90	15+30
CB-W6	TYPE 1	TYPE 1	TYPE 1	2255.63		2252.50	15+30
CB-W7	TYPE 1	TYPE 1	TYPE 1	2274.45	2269.80	2269.80	13+30
CB-W8	TYPE 1	TYPE 1	TYPE 1	2274.45		2270.40	13+30

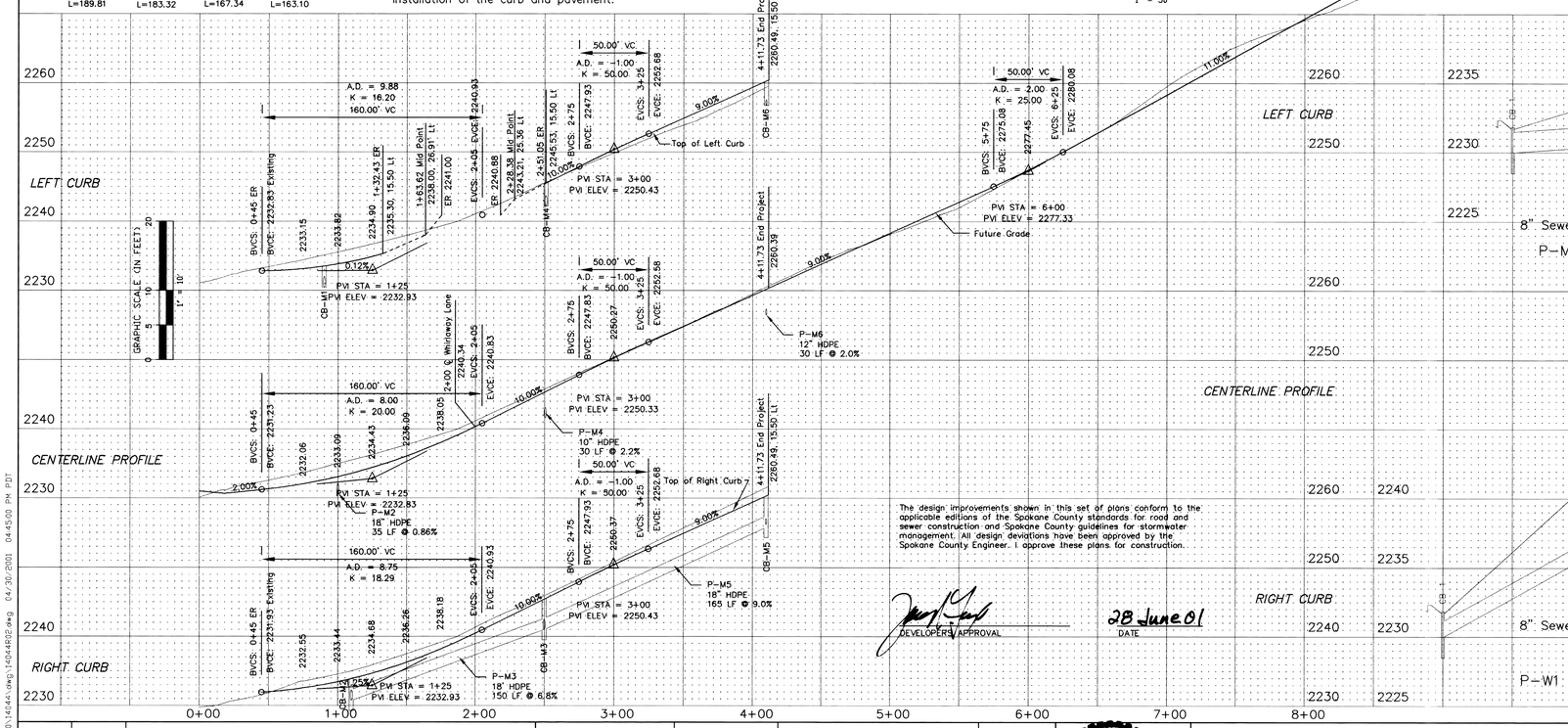
CENTERLINE CURVE DATA

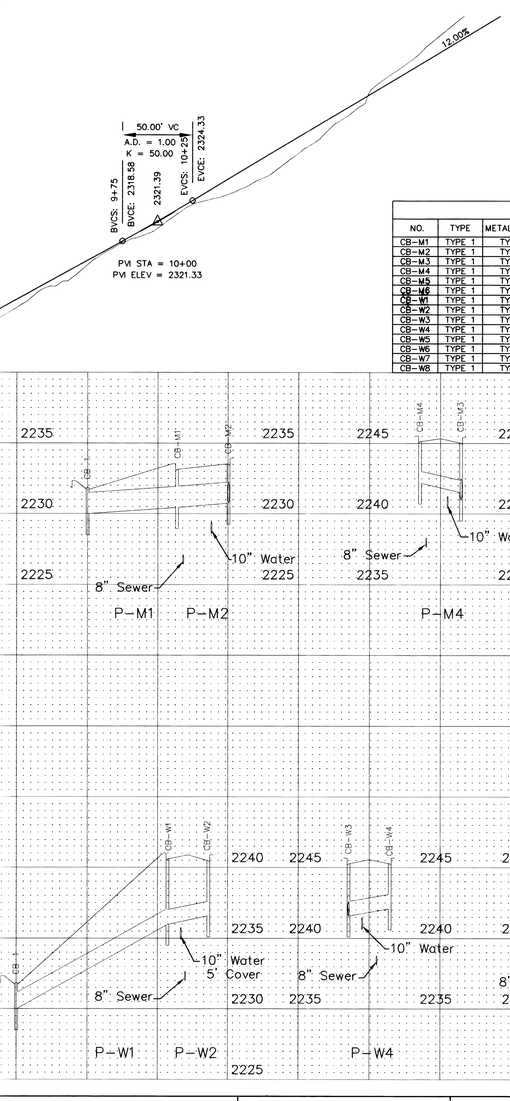
"1"	"2"	"3"	"4"
Δ=27°53'05"	Δ=26°55'57"	Δ=63°55'09"	Δ=37°22'47"
R=390.00	R=390.00	R=150.00	R=250.00
T=96.82	T=93.39	T=93.58	T=84.57
L=189.81	L=183.32	L=167.34	L=163.10

▽ = Street Name Sign: Spokane County Standard

All signs shall be located as specified in the Manual of Uniform Traffic Control Devices.

Street signs shall be installed after the installation of the curb and pavement.





The design improvements shown in this set of plans conform to the applicable editions of the Spokane County standards for road and sewer construction and Spokane County guidelines for stormwater management. All design deviations have been approved by the Spokane County Engineer. I approve these plans for construction.

DEVELOPER'S APPROVAL

28 June 01
DATE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1846B
DATE ACCEPTED: 06-29-01
ACCEPTANCE EXPIRES: 06-29-04
PROJECT LANE MILES PUBLIC: n/a
PROJECT LANE MILES PRIVATE: 0.26mi
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, AS BUILT, ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

BY	DATE	REVISIONS / AS BUILT

DATUM	SCALE		DATE
TBM NO.	HORIZONTAL 1"=50'	DRAWN M. C. PHILLIPS	
ELEVATION	VERTICAL 1"=10'	CHECKED	
LOCATION		APPROVED	

7/17/01

Founded 1946
Simpson Engineers, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
N. 909 ARGONNE ROAD, SPOKANE WA., 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323

TYPE OF IMPROVEMENT: STREET

PROJECT NUMBER	SHEET NUMBER
14044	2 OF 2

REMINGTON HILL 2ND ADDITION

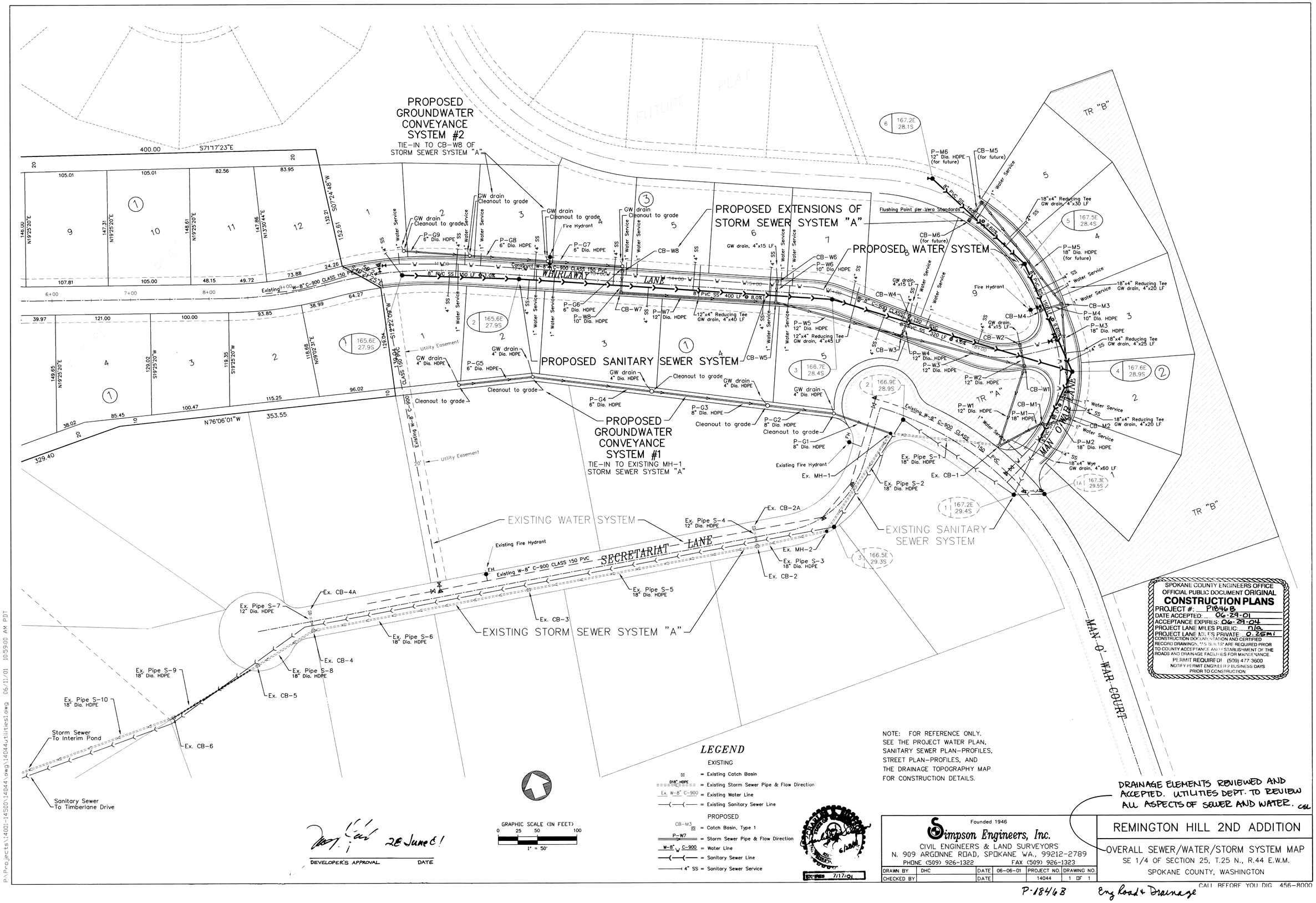
MAN o' WAR LANE

THE SE 1/4 OF SEC.25, T25N, R44 EWM

CALL BEFORE YOU DIG 456-8000

P-1846 B Eng Road & Drainage

P:\Projects\14001-14500\14044\dwg\14044R2.dwg 04/30/2001 04:59:00 PM PDT


PROPOSED GROUNDWATER CONVEYANCE SYSTEM #2
TIE-IN TO CB-W8 OF STORM SEWER SYSTEM "A"
PROPOSED EXTENSIONS OF STORM SEWER SYSTEM "A"
PROPOSED WATER SYSTEM
PROPOSED SANITARY SEWER SYSTEM
PROPOSED GROUNDWATER CONVEYANCE SYSTEM #1
TIE-IN TO EXISTING MH-1 STORM SEWER SYSTEM "A"
EXISTING WATER SYSTEM
EXISTING SANITARY SEWER SYSTEM
EXISTING STORM SEWER SYSTEM "A"
WHIRLAWAY LANE
SECRETARIAT LANE
MAN O' WAR LANE
MAN-O'-WAR COURT
TR "A"
TR "B"
FUTURE PLAT
Storm Sewer To Interim Pond
Sanitary Sewer To Timberlane Drive
GRAPHIC SCALE (IN FEET)
1" = 50'
DEVELOPER'S APPROVAL
DATE
LEGEND
EXISTING
Existing Catch Basin
Existing Storm Sewer Pipe & Flow Direction
Existing Water Line
Existing Sanitary Sewer Line
PROPOSED
Catch Basin, Type 1
Storm Sewer Pipe & Flow Direction
Water Line
Sanitary Sewer Line
4" SS = Sanitary Sewer Service
NOTE: FOR REFERENCE ONLY. SEE THE PROJECT WATER PLAN, SANITARY SEWER PLAN-PROFILES, STREET PLAN-PROFILES, AND THE DRAINAGE TOPOGRAPHY MAP FOR CONSTRUCTION DETAILS.
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P18463
DATE ACCEPTED: 06-29-01
ACCEPTANCE EXPIRES: 06-29-04
PROJECT LANE MILES PUBLIC: n/a
PROJECT LANE MILES PRIVATE: 0.25mi
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS MUST BE ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION
DRAINAGE ELEMENTS REVIEWED AND ACCEPTED. UTILITIES DEPT. TO REVIEW ALL ASPECTS OF SEWER AND WATER. CGL
Founded 1946
Simpson Engineers, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
N. 909 ARGONNE ROAD, SPOKANE WA., 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323
DRAWN BY DHC DATE 06-06-01 PROJECT NO. 14044 DRAWING NO. 1 OF 1
CHECKED BY DATE
REMINGTON HILL 2ND ADDITION
OVERALL SEWER/WATER/STORM SYSTEM MAP
SE 1/4 OF SECTION 25, T.25 N., R.44 E.W.M.
SPOKANE COUNTY, WASHINGTON
CALL BEFORE YOU DIG 456-8000
P-18463 Eng Road + Drainage