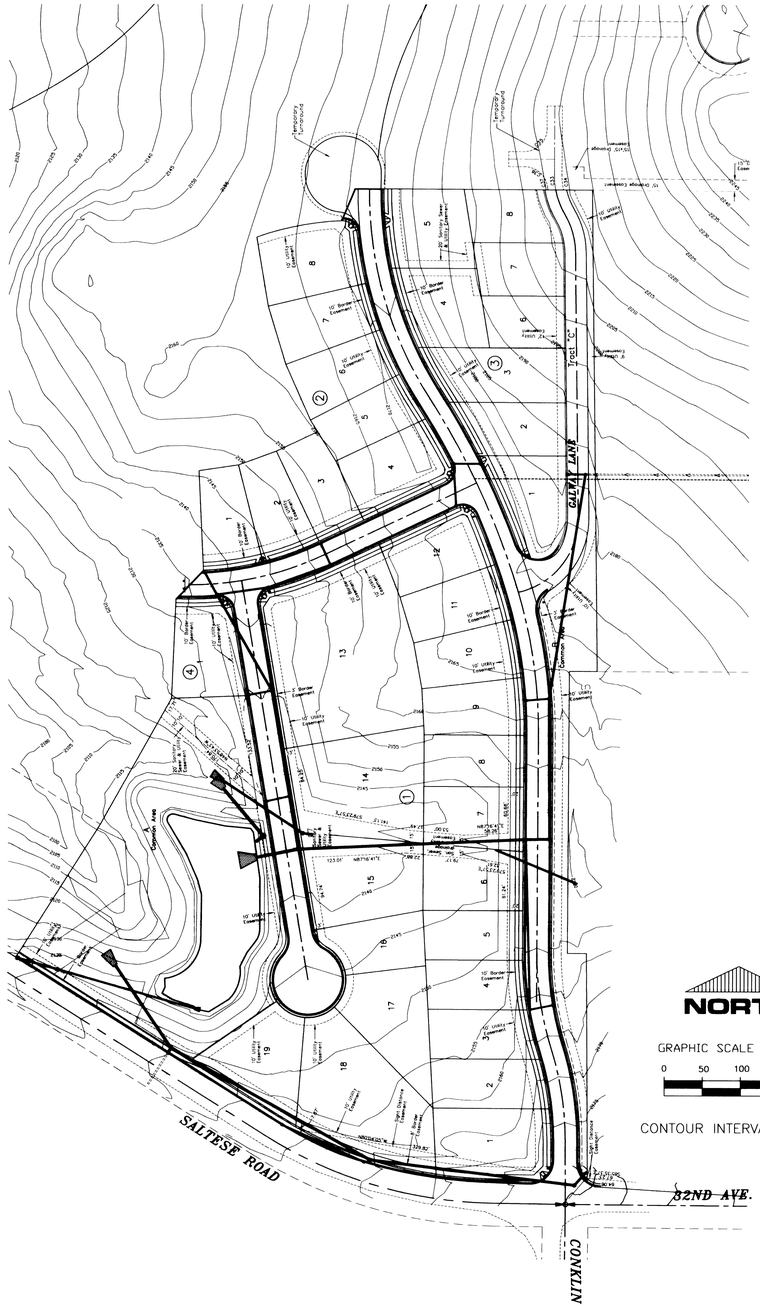
TIMBERLANE TERRACE - FIRST ADDITION

THE SW 1/4 OF SECTION 25, T.25 N., R.44 E.W.M., SPOKANE COUNTY, WASHINGTON



NORTH

GRAPHIC SCALE (IN FEET)
0 50 100 200

CONTOUR INTERVAL: 5 FEET

CONSTRUCTION NOTES

1) All work and materials shall be in conformance with the "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 2001, and as amended.

2) Locations of existing utilities shown in the plans are approximate. The Contractor shall be responsible for locating all underground utilities. Any conflicting utilities shall be relocated prior to construction of road and drainage facilities.

3) The Contractor is required to have a complete set of the approved road and drainage plans on the job site whenever construction is in progress.

4) If the Contractor discovers any discrepancies between the plans and existing conditions encountered, the Contractor shall immediately notify the Design Engineer and the Spokane County Engineers office.

5) For construction of drywells, install filter fabric (Amoco 4545 or approved equivalent) between the washed drainrock and the native soils.

6) Prior to site construction, the Contractor is responsible for locating underground utilities. Call the underground utility location service at 456-8000 before you dig.

7) For any curb grades less than 0.8% (0.008 ft./ft.), a Washington State licensed Professional Land Surveyor shall verify that the curb forms are at the grades noted on the approved plans, prior to placement of curb material. The Contractor is responsible for arranging and coordinating work with the Professional Land Surveyor.

8) The floor of a Grassed Percolation Area (GPA) swale includes the level portion of the floor of the swale, and the side slopes of the swale up to the GPA overflow elevation or top of drywell. The soil located in the floor of the GPA swale shall be a medium to well-draining material, with a minimum infiltration rate of 0.5 inches per hour. The Engineer shall provide a written statement which verifies that all GPA swales conform to this requirement. This written statement shall be submitted to the Spokane County Engineer's Office prior to installing finished landscaping/sod and prior to final acceptance. The swale floor material shall be installed to a native soil stratum which also meets or exceeds this minimum percolation rate of 0.5 inches per hour.

9) An Erosion/Sedimentation 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.

10) 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.

11) 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.

12) Geotextile fabric is to be placed on the rims of drywells, catch basins and inlets until such time the vegetation on the site is established and the threat of sediment deposition into the drainage system is mitigated.

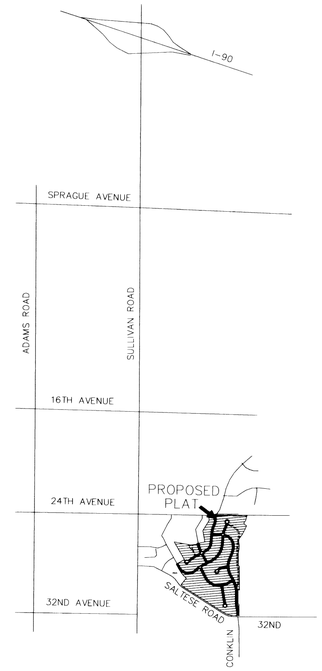
13) Onsite grading shall be in accordance with the approved grading plan and ESC plan. Any import or export of material shall be from a preapproved source/destination and coordinated with the Spokane County Department of Building and Planning at 477-3675. Grading on this site or any other site must comply with all development regulations including, but not limited to, grading permits, SEPA review, timber harvest permits, critical areas, floodplains, designated drainageways, etc.

CALL BEFORE YOU DIG: 456-8000

SPOKANE COUNTY ENGINEERS OFFICE
NOT OFFICIAL PLANS DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1950
DATE ACCEPTED: 3/7/13

Site Primary Soil Type: Clayton sandy loam, 0-8% slopes
Spokane extremely rocky complex, 20-70% slopes

Note: Soils per USDA S.C.S. (now N.R.C.S.), 1968, "Soil Survey of Spokane County, Washington"
For further soil information, refer to the project "Stormwater Drainage Report"



VICINITY MAP

SCALE 1"=2000'
GRAPHIC SCALE (IN FEET)
0 1000 2000 4000
1" = 2000'

INDEX TO PLAN SET

(NOT INCLUDED IN RECORD DRAWINGS)

SHEET 1 OF 10:	VICINITY MAP & PLAN INDEX
SHEET 2 OF 10:	EROSION & SEDIMENT CONTROL PLAN
SHEET 3 OF 10:	STORMWATER DRAINAGE PLAN
SHEET 4 OF 10:	STREET PLAN-PROFILE: CONKLIN DRIVE
SHEET 5 OF 10:	STREET PLAN-PROFILE: SONORA DRIVE, AND EDRA COURT
SHEET 6 OF 10:	STREET PLAN-PROFILE: GALWAY LANE
SHEET 7 OF 10:	STREET PLAN-PROFILE: SALTESE ROAD
SHEET 8 OF 10:	PLAN-PROFILE STORMSEWER SYSTEM
SHEET 9 OF 10:	STRIPING PLAN & MISC: SALTESE ROAD
SHEET 10 OF 10:	AS-BUILT TABLES

PROJECT INFORMATION

Owner/Applicant: Timberlane Inc.
Jim Fox

Contact Number: (509) 922-2748 Ext. 14

Project Address: PO Box 989
Veradale, WA 99037

Property Description: (By Simpson Engineers, Inc.)

That portion of the S 1/2 of Section 25, T. 25 N., R. 44 E.W.M. described as follows:

Begin at the S 1/4 corner of said Section 25, thence N00°16'07"E, along the East line of the SW 1/4 of said Section 25, 30.00 feet to the North right of way (R/W) line of Saltese Road and the True Point of Beginning; the next 3 courses along said North R/W line; thence N89°13'05"W, parallel with the South line of said Section 25, 96.27 feet to the beginning of a curve concave to the Northeast with a radius of 542.96 feet; thence Northwesterly, through a central angle of 31°26'22", an arc distance of 297.94 feet to the end of curve; thence N57°46'43"W 402.19 feet to a point on said North R/W being 720.00 feet West of the East line of said SW 1/4, measured at right angles; thence N32°13'17"E, perpendicular to said R/W, 200.00 feet; thence N29°18'58"E 189.86 feet; thence N02°24'56"E 131.00 feet; thence N43°25'37"E 52.36 feet; thence N02°37'35"W 131.00 feet; thence N81°32'59"E 52.40 feet; thence N70°01'33"E 52.81 feet; thence N64°37'09"E 59.95 feet; thence N31°46'40"W 18.14 feet; thence N23°52'19"W 79.91 feet; thence N16°49'26"W 79.91 feet; thence N09°30'11"W 92.17 feet to a point on a nontangent curve concave to the Southeast with a radius of 381.00 feet and a radial bearing of N19°27'39"W from the swing point of said curve; thence Northeasterly, through a central angle of 17°03'43", an arc distance of 113.46 feet; thence N22°45'53"E, on a nontangent bearing, 46.06 feet; thence S89°25'00"E 38.00 feet; thence S89°43'53"E 247.40 feet to the Southwest corner of the Plat of "REMINGTON HILL 3 1ST ADDITION"; thence S89°36'41"E, along the South line of said Plat, 26.14 feet to the Northwest corner of Short Plat "SP 1164A-97", as recorded in Book 15 of Short Plats, page 43A; thence S00°39'40"E, along the West line of said Short Plat, 632.84 feet to the Southwest corner of Short Plat "SP 1164-97", as recorded in Book 15 of Short Plats, page 43; thence N89°56'20"W 36.40 feet to the East line of the SW 1/4 of said Section 25; thence S00°16'07"W, along said East line, 370.60 feet to the North line of the South 330.00 feet of the SE 1/4 of said Section 25; thence S89°36'21"E, along said North line, 25.00 feet; thence S00°24'00"E 300.03 feet to a point on the North R/W line of 32nd Avenue 28.50 feet East of the True Point of Beginning; thence N89°36'21"W 28.50 feet to the True Point of Beginning.

Situate in the County of Spokane, State of Washington.

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

Charles E Simpson 1/17/13
ENGINEER DATE

RECORD DRAWING

CALL BEFORE YOU DIG 456-8000

BY	DATE	REVISIONS / AS BUILT
ACS	1/16/2013	STREET AND STORM AS-BUILT

DATUM		SCALE			DATE
TBM NO.		HORIZONTAL 1"=100'	DRAWN	M. C. PHILLIPS	JAN. 2007
ELEVATION	2180.03 NAVD29*	VERTICAL	CHECKED	CES	1/17/13
LOCATION	TOP 1/2" PIPE-S1/4 COR-CONKLIN & SALTESE		APPROVED		
* ADD 3.8 TO ALL ELEVATIONS FOR NAVD 88 DATUM					

CHARLES E. SIMPSON STATE OF WASHINGTON 9967 REGISTERED PROFESSIONAL ENGINEER 1/17/13

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

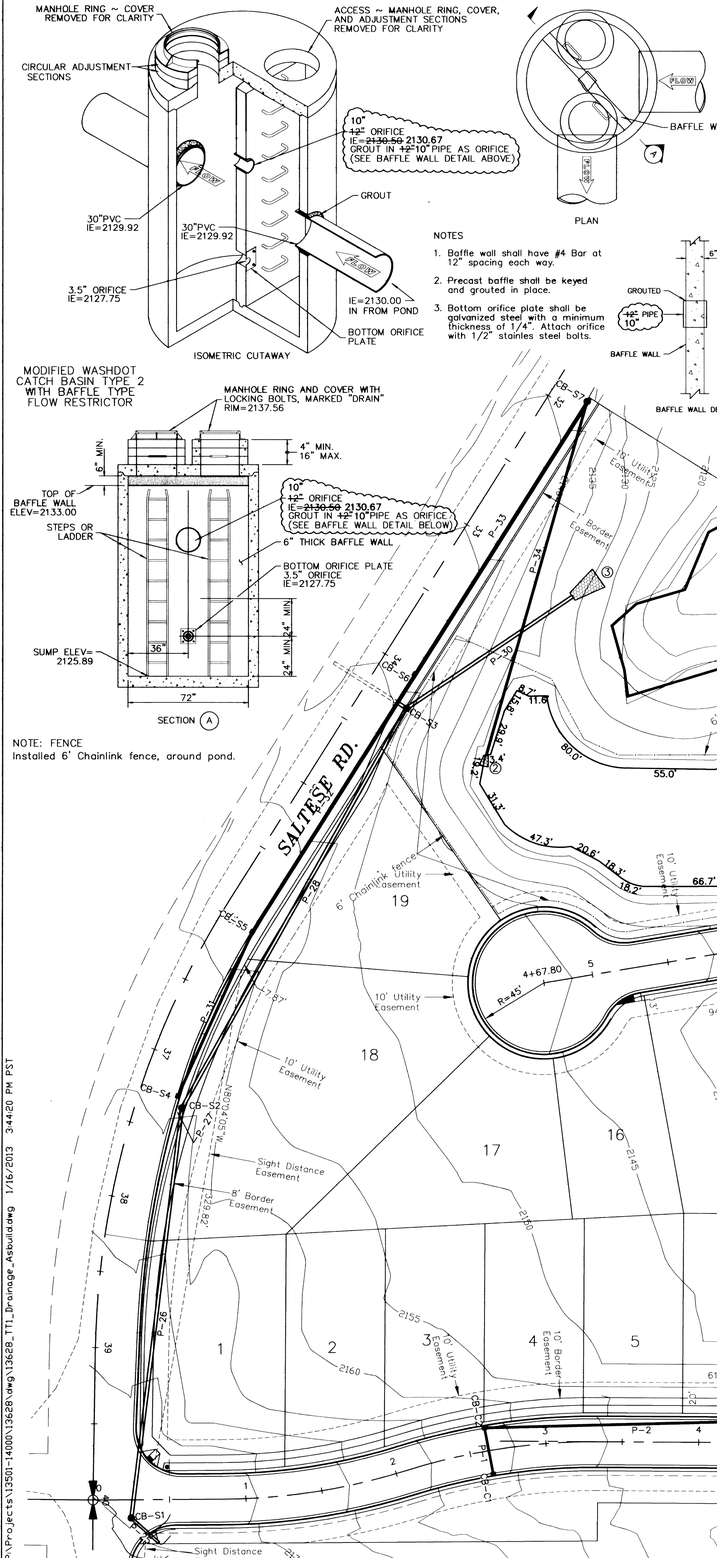
TYPE OF IMPROVEMENT:	
DRAINAGE	
PROJECT NUMBER	SHEET NUMBER
13628	1 OF 10

TIMBERLANE TERRACE - 1ST ADD
SW 1/4 OF SECTION 25, T. 25 N, R. 44 E.W.M.

VICINITY MAP & PLAN INDEX
STORM SYSTEM A & STEPPED SWALES

LP-07002648-1 P-1950 ENG AS-BUILTS

P:\Projects\13501-14000\13628\dwg\13628_TT1_Drainage_Asbuilt.dwg 1/16/2013 3:44:20 PM PST



STORM DRAINAGE SYSTEM "A": CATCH BASINS

NAME	LOCATION	STRUCTURE & GRATE TYPE SPOKANE COUNTY & DOT STDS.	GRATE ELEV.	SUMP ELEV.	INVERT ELEVATIONS
CB-C1	CONKLIN 2+62 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2164.44	2159.95	10" OUT TO WEST (P-1) = 2161.45
CB-C2	CONKLIN 2+62 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2164.44	2158.04	10" IN FROM EAST (P-1) = 2159.95 12" OUT TO NORTH (P-2) = 2159.54
CB-C3	CONKLIN 4+82.88 Lt.	CATCH BASIN 54" TYPE 2 (WSDOT) METAL FRAME TYPE 2 GRATE TYPE 3	2158.40	2147.80	12" IN FROM SOUTH (P-2) = 2151.51 24" IN FROM EAST (P-3) = 2148.91 24" OUT TO WEST (P-7) = 2143.80
CB-C4	CONKLIN 4+82.88 Rt.	CATCH BASIN 54" TYPE 2 (WSDOT) METAL FRAME TYPE 2 GRATE TYPE 3	2156.40	2148.11	24" IN FROM NORTH (P-4) = 2151.61 24" OUT TO WEST (P-3) = 2150.11
CB-C5	CONKLIN 6+68 Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 1 GRATE TYPE 1	2162.05	2155.08	10" IN FROM WEST (P-5) = 2159.00 24" IN FROM NORTH (P-6) = 2157.08 24" OUT TO SOUTH (P-4) = 2157.08
CB-C6	CONKLIN 6+68 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2162.05	2157.88	10" OUT TO EAST (P-5) = 2159.30
CB-C7	SONORA 19+62.84 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2166.86	2161.69	12" IN FROM NORTH (P-10)= 2163.19 12" OUT TO WEST (P-11) = 2163.19
CB-C8	CONKLIN 10+92.94Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2167.83	2163.28	12" IN FROM EAST (P-9) = 2164.78 12" OUT TO SOUTH (P-10) = 2164.78
CB-C9	CONKLIN 9+85.40Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 2 GRATE TYPE 3	2166.44	2163.58	12" OUT TO WEST (P-9) = 2165.13

NOTE: Grate Elevation includes 3" depression below gutter (= 7" below top of curb)
For CB Type 1, see Spokane County Standard Plan B-4
For Manhole Type I-48, see Spokane County Standard Plan U-2
For Manhole Type I-60, see Spokane County Standard Plan U-3
For DOT Catch Basin Type 2, see WSDOT Standard Plan B-10.20-00
For DOT Grate Inlet Type 1, see WSDOT Standard Plan B-4b
For DOT Grate Inlet Type II, see WSDOT Standard Plan B-4c

NOTE: ROCK RIP RAP SPLASH PAD
① Class 100 with avg. diameter of 7.6" in a pad 23' long, 7.5' wide at pipe outlet, and 16.7' wide at distal end. Thickness is 17.8".
② Class 50 with avg. diameter of 6.3" in a pad 7' long, 3.0' wide at pipe outlet, and 5.8' wide at distal end. Thickenss is 12".
③ Class 100 with avg. diameter of 7.6" in a pad 21' long, 6.0' wide at pipe outlet, and 14.4' wide at distal end. Thickness is 17".
④ Class 50 with avg. diameter of 6.3" in a pad 16.7' long, 4.5' wide at pipe outlet, and 11.2' wide at distal end. Thickness is 13.6".
⑤ Class 50 with avg. diameter of 6.3" in a pad 17' long, 7.5' wide at pipe outlet, and 14.3' wide at distal end. Thickness is 12.8".

STORM DRAINAGE SYSTEM "A": CATCH BASINS

NAME	LOCATION	STRUCTURE & GRATE TYPE SPOKANE COUNTY & DOT STDS.	GRATE ELEV.	SUMP ELEV.	INVERT ELEVATIONS
CB-D1	SONORA 17+80 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2153.75	2149.33	10" OUT TO SOUTH (P-12) = 2150.83
CB-D2	SONORA 17+80 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2153.75	2148.57	12" IN FROM EAST (P-11) = 2150.07 10" IN FROM NORTH (P-12) = 2150.23 12" OUT TO WEST (P-13) = 2150.07
CB-D3	SONORA 16+98.47Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2147.23	2141.69	12" IN FROM EAST (P-13) = 2143.19 12" OUT TO WEST (P-14) = 2143.19
CB-D4	SONORA 16+15.30Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2140.57	2136.0	10" OUT TO SOUTH (P-15) = 2137.50
CB-D5	SONORA 16+31.36Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 1 GRATE TYPE 1	2141.86	2134.40	10" IN FROM EAST (P-14) = 2136.90 10" IN FROM NORTH (P-15) = 2137.07 18" OUT TO SOUTH (P-16) = 2136.40
CB-E1	EDRA 8+50 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2139.68	2134.89	10" OUT TO EAST (P-17) = 2136.39
CB-E2	EDRA 8+50 Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 1 GRATE TYPE 1	2139.68	2133.12	18" IN FROM NORTH (P-16) = 2135.12 10" IN FROM WEST (P-17) = 2135.68 18" OUT TO SOUTH (P-18) = 2135.12
CB-E3	EDRA 7+09.37 Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 1 GRATE TYPE 1	2136.67	2130.67	18" IN FROM NORTH (P-18) = 2132.67 10" IN FROM WEST (P-19) = 2133.34 18" OUT TO SOUTH (P-20) = 2132.67
CB-E4	EDRA 7+09.37 Lt.	CATCH BASIN 54" TYPE 2 (WSDOT) METAL FRAME TYPE 2 GRATE TYPE 3	2136.67	2132.08	10" OUT TO EAST (P-19) = 2133.58
CB-E5	EDRA 6+60.36, 24Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 2 GRATE TYPE 3	2133.6	2128.00	18" IN FROM EAST (P-23) = 2133.62 18" OUT TO WEST (P-24) = 2130.00
CB-E6	EDRA 6+38.05 Rt.	CATCH BASIN 60" TYPE 2 (WSDOT) METAL FRAME TYPE 4 SOLID COVER	2137.7	2128.64	30" IN FROM EAST (P-7) = 2130.64 24" IN FROM NORTH (P-20) = 2131.64 30" OUT TO WEST (P-8) = 2130.64
CB-E7	EDRA 6+66.72, 21.8Lt.	72" FLOW CONTROL MANHOLE (WSDOT) METAL FRAME TYPE 4 SOLID COVER	2137.56	2125.92	30" IN FROM SOUTH(P-36)= 2129.92 30" OUT TO WEST (P-35) = 2129.92
CB-S1	CONKLIN 0+23, 13"Rt.	CATCH BASIN 54" TYPE 2 (WSDOT) METAL FRAME TYPE 4 SOLID COVER	2179.70	2170.18	18" IN FROM EAST (P-25) = 2174.30 24" IN FROM SOUTH = 2173.80 24" OUT TO WEST (P-26) = 2172.13
CB-S2	SALTESE 37+28.82, 29.8Lt.	CATCH BASIN 72" TYPE 2 (WSDOT) METAL FRAME TYPE 4 SOLID COVER	2164.3	2153.43	24" IN FROM EAST (P-26) = 2155.43 18" IN FROM SOUTH(P-27) = 2155.93 24" OUT TO WEST (P-28) = 2155.43
CB-S3	SALTESE 34+22.5, 32.5Lt.	CATCH BASIN 54" TYPE 2 (WSDOT) METAL FRAME TYPE 4 SOLID COVER	2150	2140.98	24" IN FROM EAST (P-28) = 2142.98 24" IN FROM SOUTH(P-29) = 2142.98 24" OUT TO WEST (P-30) = 2142.98
CB-S4	SALTESE 37+25 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2163.74	2157.49	12" OUT TO WEST (P-31) = 2158.99
CB-S5	SALTESE 36+00 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2157.94	2152.11	12" IN FROM EAST (P-31 = 2153.71 12" OUT TO WEST (P=32) = 2153.61
CB-S6	SALTESE 34+00 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2148.86	2144.01	12" IN FROM EAST(P-32) = 2145.61 12" OUT TO WEST (P=33) = 2145.51
CB-S7	SALTESE 31+88 Lt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 1 GRATE TYPE 1	2138.21	2131.78	12" IN FROM EAST (P-33) = 2134.91 12" OUT TO EAST (P-34) = 2132.79
CB-G1	GALWAY 1+92.6 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2180.27	2175.68	10" OUT TO EAST (P-37) = 2177.18

STORM DRAINAGE SYSTEM "A": PIPE SCHEDULE

PIPE NAME	I.D.	PIPE TYPE	APPROX. LENGTH	APPROX. SLOPE	UPSTREAM NODE	UPSTREAM INVERT	DOWNSTREAM NODE	DOWNSTREAM INVERT
P-1	10"	H.D.P.E.	30'	0.050	CB-C1	2161.45	CB-C2	2159.95
P-2	12"	H.D.P.E.	223'	0.036	CB-C2	2159.54	CB-C3	2151.51
P-3	24"	H.D.P.E.	30'	0.040	CB-C4	2150.11	CB-C3	2148.91
P-4	24"	H.D.P.E.	186'	0.0294	CB-C5	2157.08	CB-C4	2151.61
P-5	10"	H.D.P.E.	30'	0.010	CB-C6	2159.30	CB-C5	2159.00
P-6	24"	H.D.P.E.	299'	0.0596	MH-3	2174.89	CB-C6	2157.08
P-7	24"	H.D.P.E.	299'	0.044	CB-C3	2143.64	CB-E6	2130.64
P-8	30"	H.D.P.E.	53'	0.012	CB-E6	2130.64	POND	2130.00
P-9	12"	H.D.P.E.	35'	0.010	CB-C9	2165.13	CB-C8	2164.78
P-10	12"	H.D.P.E.	56'	0.0284	CB-C8	2164.78	CB-C7	2163.19
P-11	12"	H.D.P.E.	182'	0.072	CB-C7	2163.19	CB-D2	2150.07
P-12	10"	H.D.P.E.	30'	0.020	CB-D1	2150.83	CB-D2	2150.23
P-13	12"	H.D.P.E.	84'	0.082	CB-D2	2150.07	CB-D3	2143.19
P-14	12"	H.D.P.E.	69'	0.091	CB-D3	2143.19	CB-D5	2136.90
P-15	10"	H.D.P.E.	34'	0.0125	CB-D4	2137.50	CB-D5	2137.07
P-16	18"	H.D.P.E.	145'	0.0088	CB-D5	2136.40	CB-E2	2135.12
P-17	10"	H.D.P.E.	30'	0.0237	CB-E1	2136.39	CB-E2	2135.68
P-18	18"	H.D.P.E.	140'	0.0175	CB-E2	2135.12	CB-E3	2132.67
P-19	10"	H.D.P.E.	30'	0.008	CB-E4	2133.58	CB-E3	2133.34
P-20	18"	H.D.P.E.	71'	0.0145	CB-E3	2132.67	CB-E6	2131.64
P-22	12"	H.D.P.E.	16'	0.010	GROUND	2145.48	GROUND	2144.32
P-23	18"	H.D.P.E.	9'	0.044	GROUND	2134.10	CB-E5	2133.62
P-24	18"	H.D.P.E.	120'	0.060	CB-E5	2130.00	GROUND	2122.80
P-25	18"	H.D.P.E.	26'	0.050	GROUND	2175.60	CB-S1	2174.30
P-26	24"	CMP	27'	0.0616	CB-S1	2172.13	CB-S2	2155.43
P-27	18"	Conc.	4'	0.047	Ex. Civt	2156.12	CB-S2	2155.93
P-28	24"	CMP	298'	0.0418	CB-S2	2155.43	CB-S3	2142.98
P-29	24"	CMP	8'	0.040	Ex. Civt	2143.3	CB-S3	2142.98
P-30	24"	CMP	120'	0.0748	CB-S3	2142.98	GROUND	2134.00
P-31	12"	H.D.P.E.	120'	0.044	CB-S4	2158.99	CB-S5	2153.71
P-32	12"	H.D.P.E.	200'	0.040	CB-S5	2153.61	CB-S6	2145.61
P-33	12"	H.D.P.E.	212'	0.050	CB-S6	2145.51	CB-S7	2134.91
P-34	12"	H.D.P.E.	186'	0.015	CB-S7	2132.79	POND	2130.00
P-35	30"	PVC	80'	0.0803	CB-E7	2129.92	GROUND	2123.50
P-36	30"	PVC	15'	0.005	POND	2130.00	CB-E7	2129.92
P-37	10"	H.D.P.E.	24'	0.020	CB-G2	2177.18	CB-G1	2176.70

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1950
DATE ACCEPTED: 5/7/13

TAPE FOR ASBUILT (SHEET 10)
ADDS FOR ASBUILT ELEVATIONS

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

Charles E Simpson 1/17/13
ENGINEER DATE

RECORD DRAWING

CALL BEFORE YOU DIG 456-8000

BY	DATE	REVISIONS / AS BUILT
ACS	1/16/2013	STREET AND STORM AS-BUILT

DATUM		SCALE		DATE
TBM NO.		HORIZONTAL 1"=50'	DRAWN M. C. PHILLIPS	JAN. 2007
ELEVATION 2180.03 NAVD29*		VERTICAL	CHECKED CES	1/17/13
LOCATION TOP 1/2" PIPE-S1/4 COR-CONKLIN & SALTESE			APPROVED	
* ADD 3.8 TO ALL ELEVATIONS FOR NAVD 88 DATUM				

CHARLES E. SIMPSON STATE OF WASHINGTON 9967 REGISTERED PROFESSIONAL ENGINEER 1/17/13

Founded 1946
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N. 909 ARGONNE ROAD, SPOKANE VALLEY WA., 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323

TYPE OF IMPROVEMENT: DRAINAGE

PROJECT NUMBER	SHEET NUMBER
13628	3 OF 10

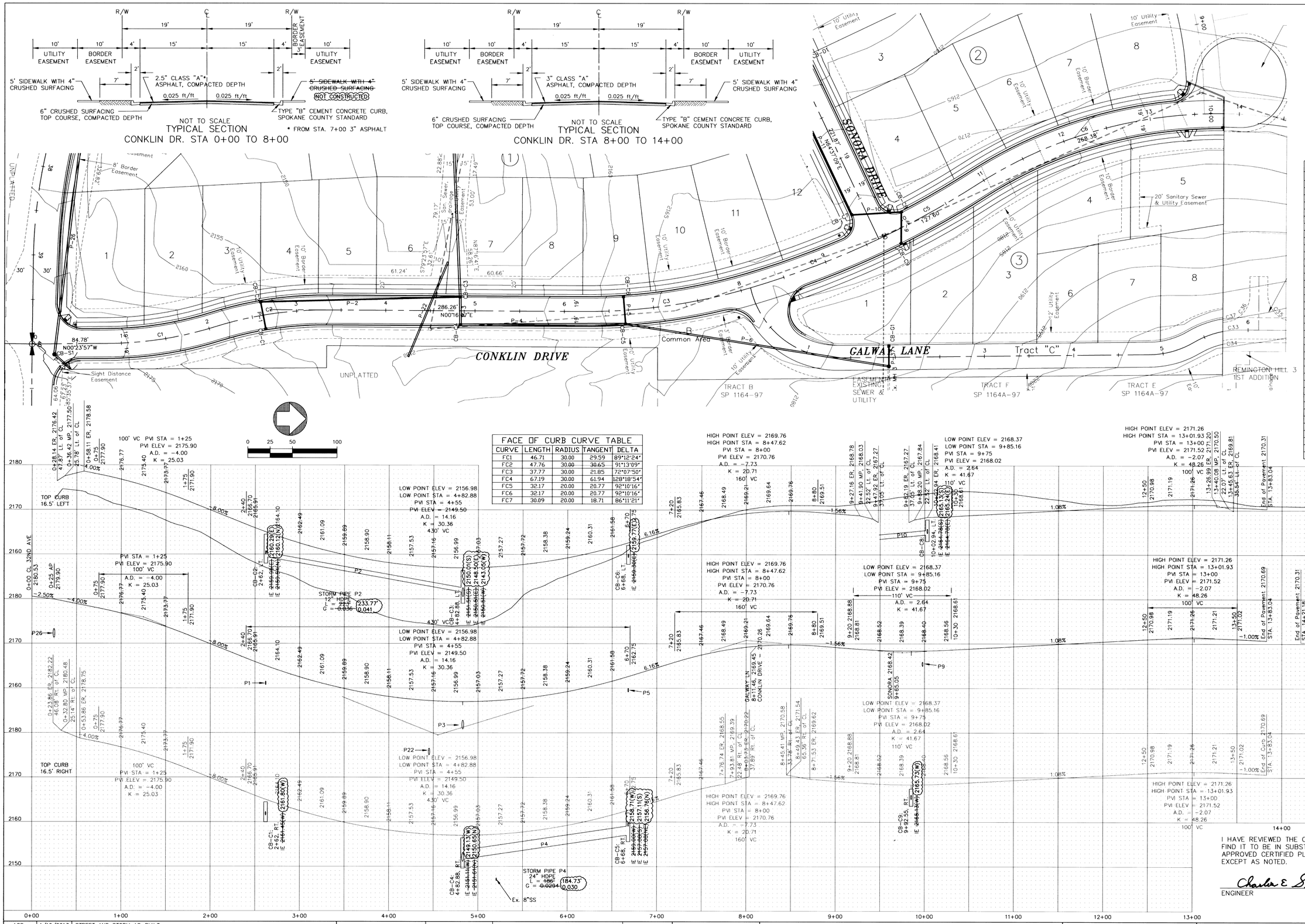
TIMBERLANE TERRACE 1ST ADD.
SW 1/4 OF SECTION 25, T. 25 N, R. 44 E.W.M.

STORMWATER DRAINAGE PLAN

LP-07002648-3

P. 1950 ENG "AS-BUILTS"

P:\Projects\13501-14000\13628\dwg\13628_TT1_Drainage_Asbuilt.dwg 1/16/2013 3:44:20 PM PST



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1950
DATE ACCEPTED: 5/7/13

CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	122.25	410.00	17°05'00"	61.58
C2	127.02	410.00	17°45'04"	64.02
C3	191.15	650.00	16°50'58"	96.27
C4	153.59	1000.00	8°48'00"	76.95
C5	127.60	1000.00	7°18'40"	63.89
C6	290.38	500.00	33°16'31"	149.41
C7	113.22	410.00	15°49'20"	56.97
C8	68.83	410.00	9°37'10"	34.50
C9	314.40	572.96	31°26'22"	161.27
C10	297.94	542.96	31°26'22"	152.82
C11	117.39	100.00	67°15'34"	66.51
C12	52.34	100.00	29°59'10"	26.78
C13	34.67	100.00	19°51'43"	17.51
C14	59.66	114.00	29°59'10"	30.53
C15	27.07	86.00	18°02'02"	13.65
C16	42.25	114.00	21°14'00"	21.37
C17	32.51	86.00	21°39'35"	16.45
C18	12.50	86.00	8°19'35"	6.26
C19	42.45	86.00	28°17'01"	21.67
C20	69.38	30.00	132°30'15"	68.19
C21	114.65	114.00	57°37'18"	62.70
C22	36.84	30.00	70°21'32"	21.15
C23	20.77	20.00	59°29'32"	11.43
C24	31.83	20.00	91°10'52"	20.42
C25	32.23	20.00	92°19'33"	20.83
C26	29.68	20.00	85°01'01"	18.33
C27	27.35	30.00	52°13'46"	14.71
C28	27.35	30.00	52°13'46"	14.71
C29	29.68	20.00	85°01'01"	18.33
C30	32.23	20.00	92°19'33"	20.83
C31	30.13	20.00	86°18'36"	18.75
C32	113.46	381.00	17°03'43"	57.15
C33	19.30	100.00	11°03'24"	9.68
C34	19.33	90.00	12°18'11"	9.70
C35	47.12	30.00	90°00'00"	30.00
C36	43.00	30.00	82°07'35"	26.14
C37	4.16	110.00	2°10'02"	2.08
C38	37.16	669.00	3°10'57"	18.59
C39	58.56	1019.00	3°17'33"	29.29

FACE OF CURB CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
FC1	46.71	30.00	29.59	89°12'24"
FC2	47.76	30.00	30.65	91°13'09"
FC3	37.77	30.00	21.85	72°07'50"
FC4	67.19	30.00	61.94	128°18'54"
FC5	32.17	20.00	20.77	92°10'16"
FC6	32.17	20.00	20.77	92°10'16"
FC7	30.09	20.00	18.71	86°11'21"

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

Charles E Simpson 1/17/13
ENGINEER DATE

RECORD DRAWING

BY	DATE	REVISIONS / AS BUILT
ACS	1/16/2013	STREET AND STORM AS-BUILT

DATUM		SCALE			DATE
TBM NO.		HORIZONTAL	1"=50'	DRAWN MC PHILLIPS	01-03-07
ELEVATION	2180.03 NAVD29*	VERTICAL	1"=10'	CHECKED CES	1/17/13
LOCATION	TOP 1/2" PIPE-S1/4 COR-CONKLIN & SALTESE			APPROVED	

* ADD 3.8 TO ALL ELEVATIONS FOR NAVD 88 DATUM

CHARLES E. SIMPSON STATE OF WASHINGTON 9967 REGISTERED PROFESSIONAL ENGINEER 1/17/13

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

TYPE OF IMPROVEMENT: STREET

PROJECT NUMBER	SHEET NUMBER
13628	4 OF 10

TIMBERLANE TERRACE 1ST ADDITION

PLAN-PROFILE: CONKLIN DRIVE - STA. 0+00 TO 14+21.18

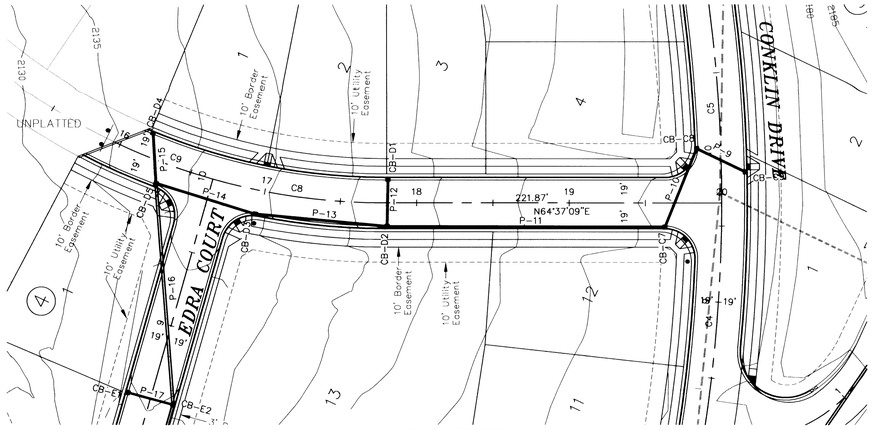
THE SW 1/4 OF SEC.25, T25N, R44 EWM
SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456-8000

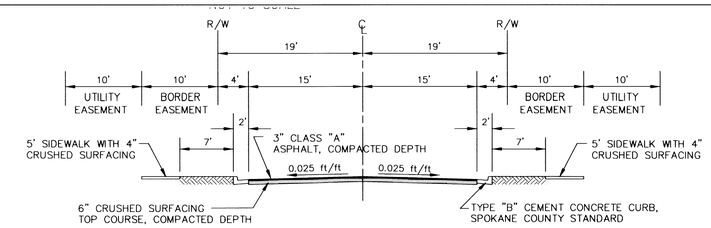
LP-07002648-4

P-1950 ENG "AS-BUILTS"

P:\Projects\13501-14000\13628\dwg\13628_TTI_Drainage_Asbuilt.dwg 1/16/2013 3:44:20 PM PST

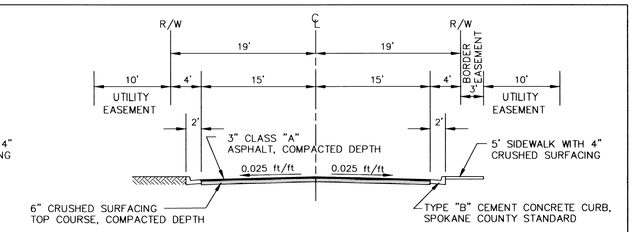


SONORA DRIVE



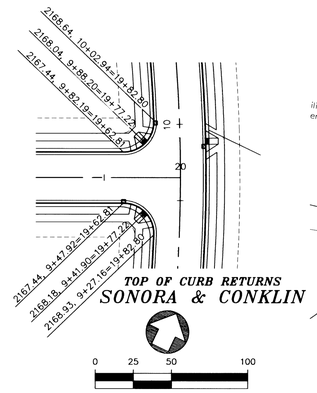
TYPICAL ROAD SECTION– SONORA DRIVE

NOT TO SCALE

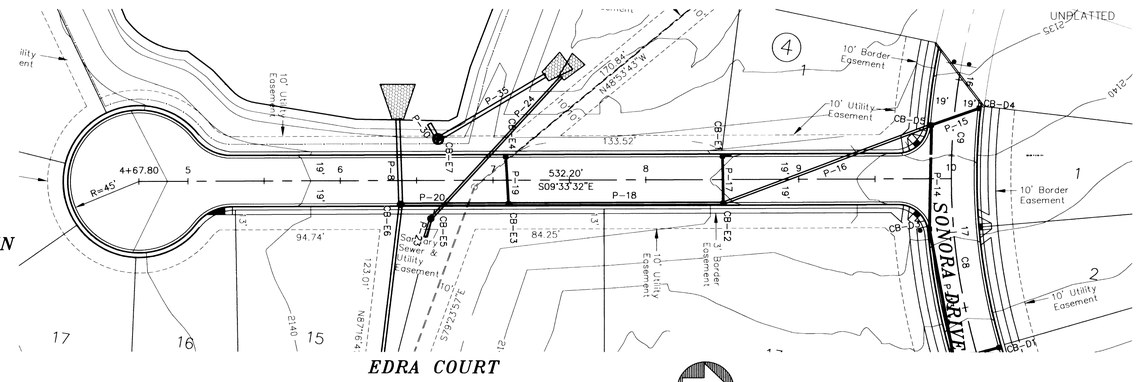


TYPICAL ROAD SECTION– EDRA COURT

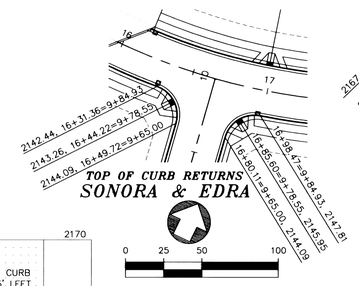
NOT TO SCALE



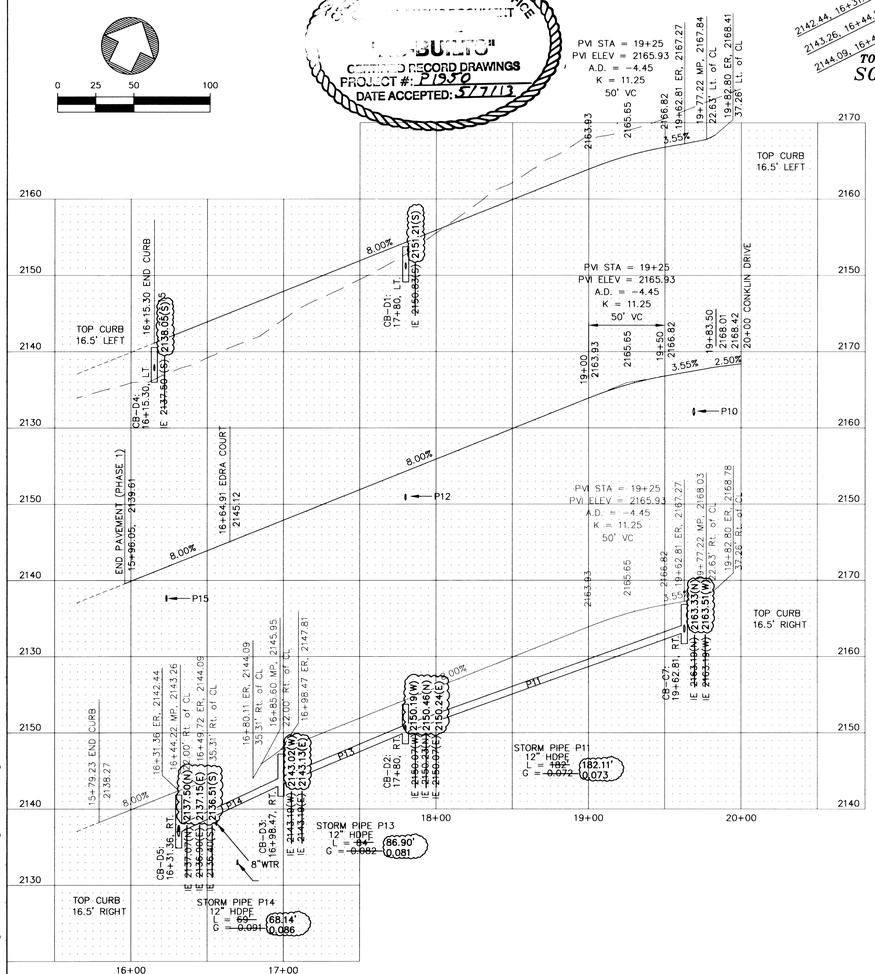
TOP OF CURB RETURNS
SONORA & CONKLIN

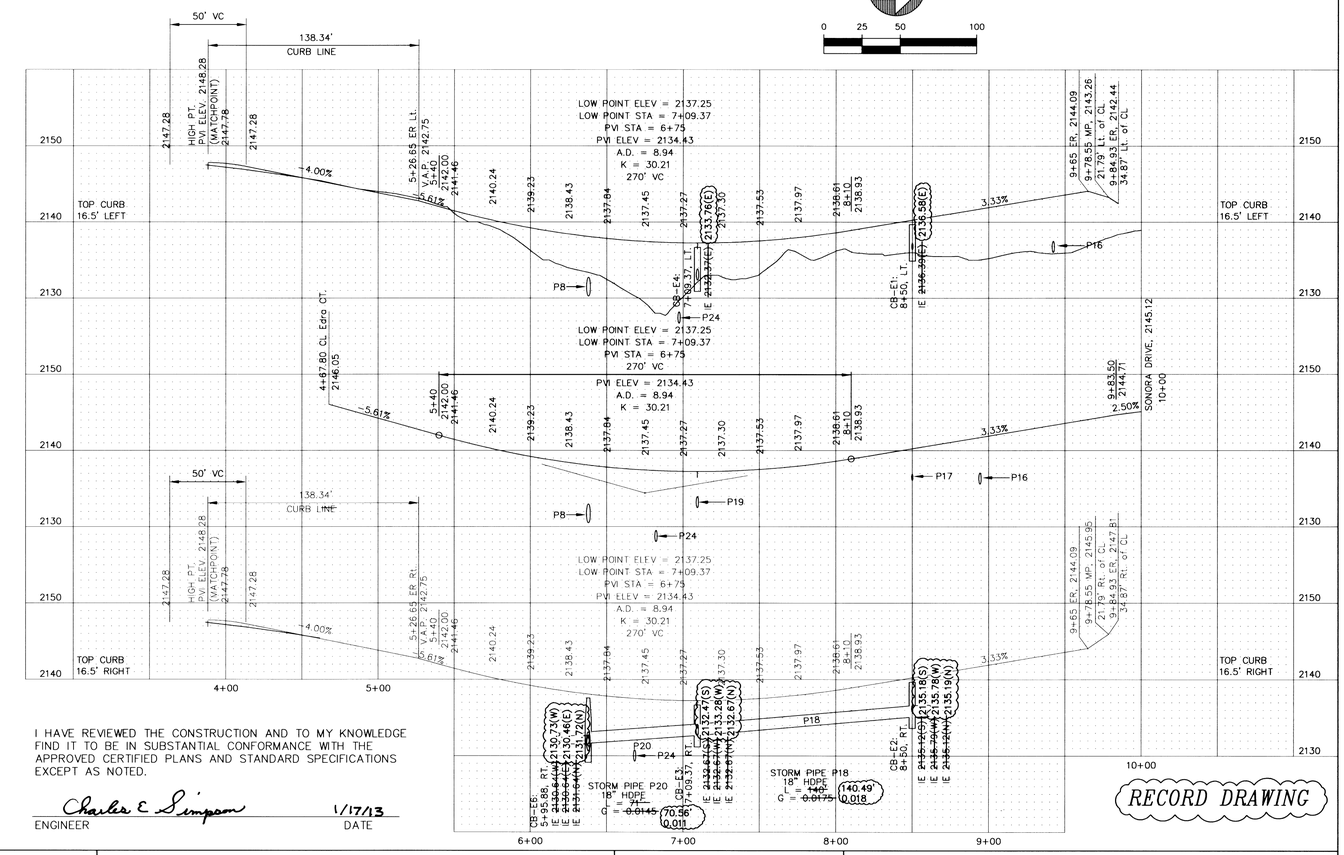


EDRA COURT



TOP OF CURB RETURNS
SONORA & EDRA





RECORD DRAWING

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FC11	27.06	30.00	14.53	51°41'02"
FC12	27.06	30.00	14.53	51°41'02"
FC13	222.56	45.00	35.56	283°22'04"
FC14	47.04	30.00	29.91	89°49'54"

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Charles E. Simpson — 1/17/13

ENGINEER — DATE

ACS	1/16/2013	STREET AND STORM AS-BUILT
BY	DATE	REVISIONS / AS BUILT

DATUM	SCALE		DATE
TBM NO.	HORIZONTAL 1"=50'	DRAWN MC PHILLIPS	01-04-07
ELEVATION 2180.03 NAVD29*	VERTICAL 1"=10'	CHECKED CES	1/17/13
LOCATION TOP 1/2" PIPE-S1/4 COR-CONKLIN & SALTESE		APPROVED	
* ADD 3.8 TO ALL ELEVATIONS FOR NAVD 88 DATUM			

CHARLES E. SIMPSON — STATE OF WASHINGTON — 9967 — REGISTERED PROFESSIONAL ENGINEER — 1/17/13

Founded 1946
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N. 909 ARGONNE ROAD, SPOKANE VALLEY, WA., 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323

TYPE OF IMPROVEMENT: STREET

PROJECT NUMBER	SHEET NUMBER
13628	5 OF 10

TIMBERLANE TERRACE 1ST ADDITION

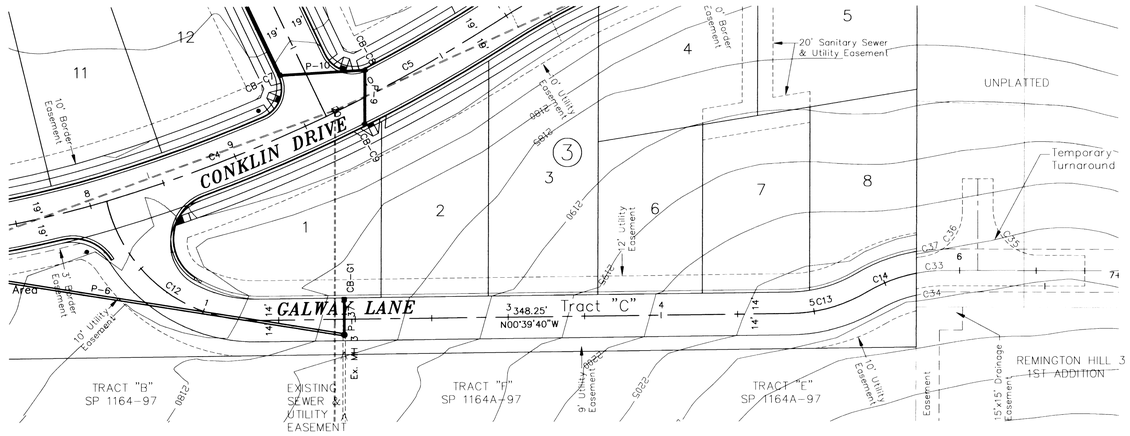
PLAN-PROFILE: SONORA DRIVE – STA. 2+08.77 TO 10+00
EDRA COURT – STA. 4+71.06 TO 9+27.66
THE SW 1/4 OF SEC.25, T25N, R44 EWM
SPOKANE COUNTY, WASHINGTON

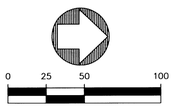
CALL BEFORE YOU DIG 456-8000

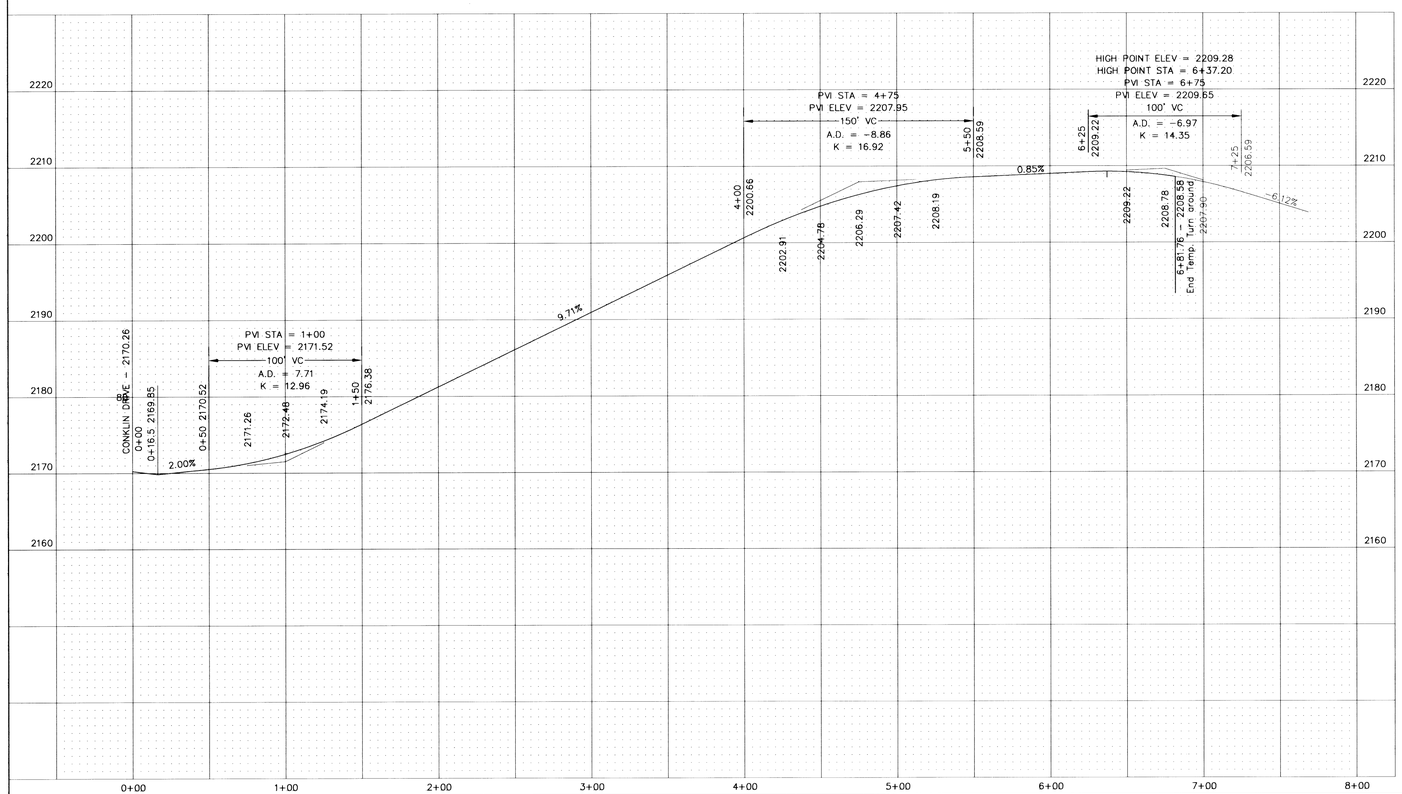
LP-07002648-5

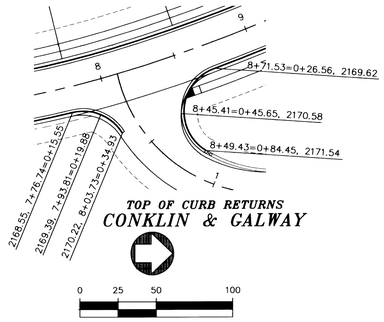
P-1950 ENG "AS-BUILTS"

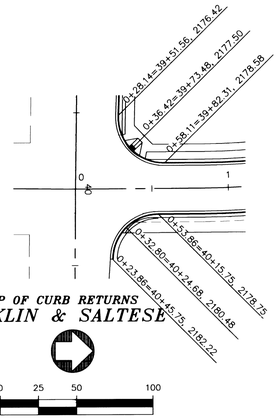
P:\Projects\13501-14000\13628\dwg\13628_TT1_Drainage_Asbuilt.dwg 1/16/2013 3:44:20 PM PST

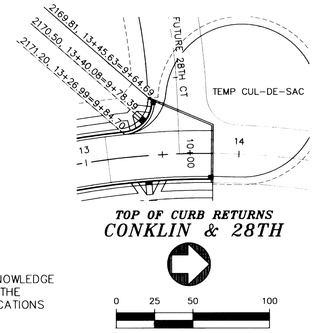


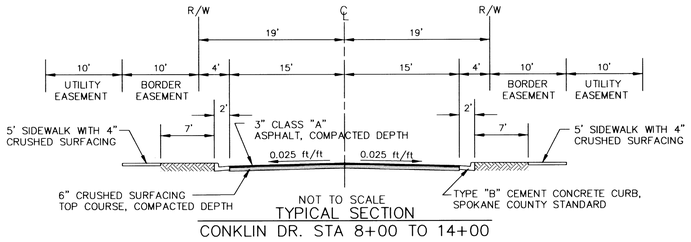








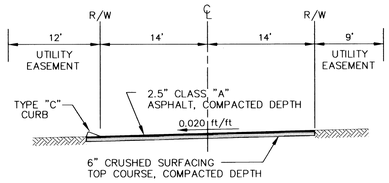




NOT TO SCALE

TYPICAL SECTION

CONKLIN DR. STA 8+00 TO 14+00



NOT TO SCALE

TYPICAL PRIVATE ROAD SECTION

GALWAY LANE

FACE OF CURB CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
FC1	46.71	30.00	29.59	89°12'24"
FC2	47.76	30.00	30.65	91°13'09"
FC3	37.77	30.00	21.85	72°07'50"
FC4	67.19	30.00	61.94	128°18'54"
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FC8	30.03	20.00	18.66	86°01'26"
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C25	32.23	20.00	92°19'33"	20.83
C26	29.68	20.00	85°01'01"	18.33
C27	27.35	30.00	52°13'46"	14.71
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SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1950
DATE ACCEPTED: 5/7/13

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

Charles E Simpson 1/17/13
ENGINEER DATE

RECORD DRAWING

P:\Projects\13501-14000\13628\dwg\13628_TT1_Drainage_Asbuild.dwg 1/16/2013 3:44:20 PM PST

BY	DATE	REVISIONS / AS BUILT
ACS	1/16/2013	STREET AND STORM AS-BUILT

DATUM		SCALE			DATE
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LOCATION	TOP 1/2" PIPE-S1/4 COR-CONKLIN & SALTESE			APPROVED	
	* ADD 3.8 TO ALL ELEVATIONS FOR NAVD 88 DATUM				

CHARLES E. SIMPSON STATE OF WASHINGTON 1/17/13 9967 REGISTERED PROFESSIONAL ENGINEER

Founded 1946
Simpson Engineers, Inc.
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PHONE (509) 926-1322 FAX (509) 926-1323

TYPE OF IMPROVEMENT: STREET	
PROJECT NUMBER	SHEET NUMBER
13628	6 OF 10

TIMBERLANE TERRACE 1ST ADDITION

PLAN-PROFILE: GALWAY LANE - STA. 0+00 TO 6+81.76

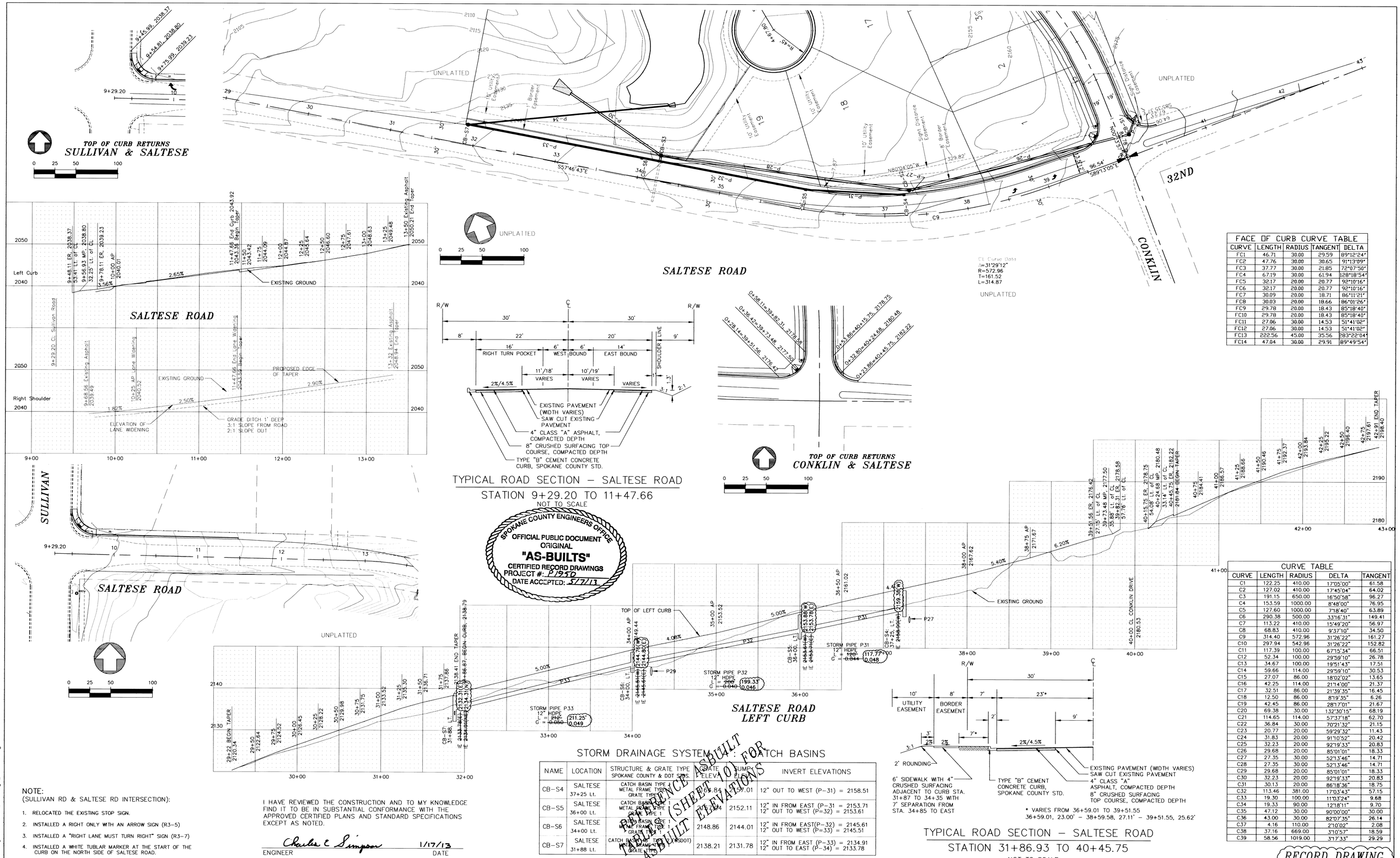
THE SW 1/4 OF SEC.25, T25N, R44 EWM

SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456-8000

LP-07002646-6

P-1950 ENG "AS-BUILTS"



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FC8	30.03	20.00	18.66	86°01'26"
FC9	29.78	20.00	18.43	85°18'40"
FC10	29.78	20.00	18.43	85°18'40"
FC11	27.06	30.00	14.53	51°41'02"
FC12	27.06	30.00	14.53	51°41'02"
FC13	222.56	45.00	35.56	283°22'04"
FC14	47.04	30.00	29.91	89°49'54"

CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	122.25	410.00	17°05'00"	61.58
C2	127.02	410.00	17°45'04"	64.02
C3	191.15	650.00	16°50'58"	96.27
C4	153.59	1000.00	8°48'00"	76.95
C5	127.60	1000.00	7°18'40"	63.89
C6	290.38	500.00	33°16'31"	149.41
C7	113.22	410.00	15°49'20"	56.97
C8	68.83	410.00	9°37'10"	34.50
C9	314.40	572.96	31°26'22"	161.27
C10	297.94	542.96	31°26'22"	152.82
C11	117.39	100.00	67°15'34"	66.51
C12	52.34	100.00	29°59'10"	26.78
C13	34.67	100.00	19°51'43"	17.51
C14	59.66	114.00	29°59'10"	30.53
C15	27.07	86.00	18°02'02"	13.65
C16	42.25	114.00	21°14'00"	21.37
C17	32.51	86.00	21°39'35"	16.45
C18	12.50	86.00	8°19'35"	6.26
C19	42.45	86.00	28°17'01"	21.67
C20	69.38	30.00	132°30'15"	68.19
C21	114.65	114.00	57°37'18"	62.70
C22	36.84	30.00	70°21'32"	21.15
C23	20.77	20.00	59°29'32"	11.43
C24	31.83	20.00	91°10'52"	20.42
C25	32.23	20.00	92°19'33"	20.83
C26	29.68	20.00	85°01'01"	18.33
C27	27.35	30.00	52°13'46"	14.71
C28	27.35	30.00	52°13'46"	14.71
C29	29.68	20.00	85°01'01"	18.33
C30	32.23	20.00	92°19'33"	20.83
C31	30.13	20.00	86°18'36"	18.75
C32	113.46	381.00	17°03'43"	57.15
C33	19.30	100.00	11°03'24"	9.68
C34	19.33	90.00	12°18'11"	9.70
C35	47.12	30.00	90°00'00"	30.00
C36	43.00	30.00	82°07'35"	26.14
C37	4.16	110.00	2°10'02"	2.08
C38	37.16	669.00	3°10'57"	18.59
C39	58.56	1019.00	3°17'33"	29.29

TYPICAL ROAD SECTION – SALTESE ROAD
STATION 9+29.20 TO 11+47.66
NOT TO SCALE

STORM DRAINAGE SYSTEM – CATCH BASINS

NAME	LOCATION	STRUCTURE & GRATE TYPE SPOKANE COUNTY & DOT STDS.	GRATE ELEV.	GUTTER ELEV.	INVERT ELEVATIONS
CB–S4	SALTESE 37+25 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2161.84	2157.01	12" OUT TO WEST (P–31) = 2158.51
CB–S5	SALTESE 36+00 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2157.64	2152.11	12" IN FROM EAST (P–31 = 2153.71 12" OUT TO WEST (P=32) = 2153.61
CB–S6	SALTESE 34+00 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2148.86	2144.01	12" IN FROM EAST(P–32) = 2145.61 12" OUT TO WEST (P=33) = 2145.51
CB–S7	SALTESE 31+88 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 (WSDOT) GRATE TYPE 1	2138.21	2131.78	12" IN FROM EAST (P–33) = 2134.91 12" IN FROM EAST (P–34) = 2133.78

TYPICAL ROAD SECTION – SALTESE ROAD
STATION 31+86.93 TO 40+45.75
NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1950
DATE ACCEPTED: 5/7/13

NOTE:
(SULLIVAN RD & SALTESE RD INTERSECTION):

1. RELOCATED THE EXISTING STOP SIGN.
2. INSTALLED A RIGHT ONLY WITH AN ARROW SIGN (R3–5)
3. INSTALLED A "RIGHT LANE MUST TURN RIGHT" SIGN (R3–7)
4. INSTALLED A WHITE TUBLAR MARKER AT THE START OF THE CURB ON THE NORTH SIDE OF SALTESE ROAD.

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

Charles E. Simpson 1/17/13
ENGINEER DATE

DEFENCE AS-BUILT (SHEET 10) FOR AS-BUILT ELEVATIONS

RECORD DRAWING

BY	DATE	REVISIONS / AS BUILT
ACS	1/16/2013	STREET AND STORM AS-BUILT

DATUM		SCALE			DATE
TBM NO.		HORIZONTAL	1"=50'	DRAWN MC PHILLIPS	01-04-07
ELEVATION	2180.03 NAVD29*	VERTICAL	1"=10'	CHECKED CES	1/17/13
LOCATION	TOP 1/2" PIPE–S1/4 COR–CONKLIN & SALTESE			APPROVED	

* ADD 3.8 TO ALL ELEVATIONS FOR NAVD 88 DATUM

CHARLES E. SIMPSON STATE OF WASHINGTON 9967 1/17/13 REGISTERED PROFESSIONAL ENGINEER

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

TYPE OF IMPROVEMENT: STREET

PROJECT NUMBER	SHEET NUMBER
13628	7 OF 10

TIMBERLANE TERRACE 1ST ADDITION
PLAN–PROFILE: SALTESE ROAD–STA. 9+27.17 TO 11+45.54
PLAN–PROFILE: SALTESE ROAD–STA. 31+86.93 TO 40+45.76
THE SW 1/4 OF SEC.25, T25N, R44 EWM
SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456–8000

LP-07002648-7 P-1950 ENG "AS-BUILTS"

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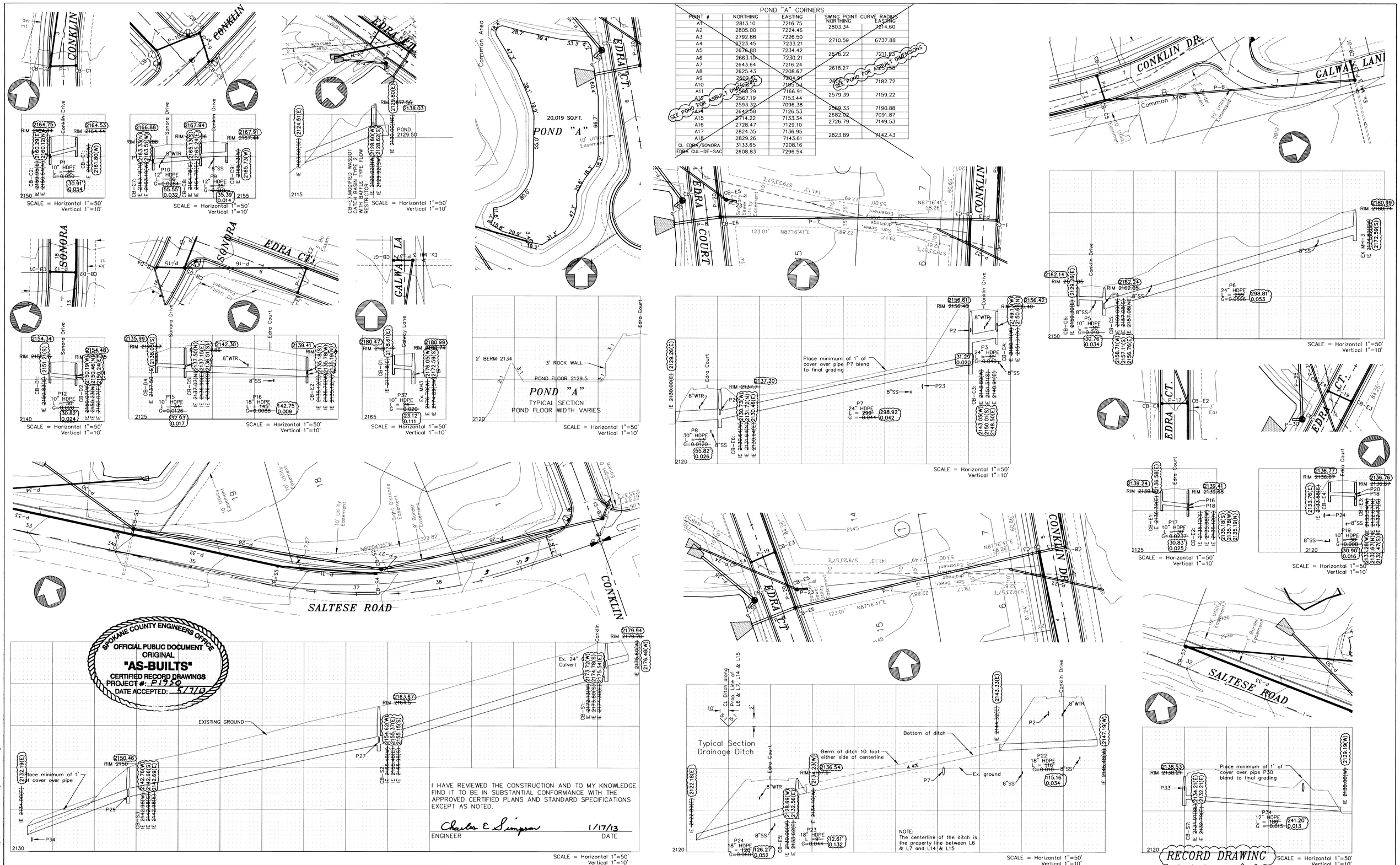

POND "A" CORNERS				
POINT #	NORTHING	EASTING	SWING POINT CURVE RADIUS NORTHING	EASTING
A1	2813.10	7216.75	2803.34	7214.60
A2	2805.00	7224.46		
A3	2792.88	7226.50	2710.59	6737.88
A4	2723.45	7233.21		
A5	2676.80	7234.42	2676.22	7211.23
A6	2663.10	7230.21		
A7	2643.64	7216.24	2618.27	7202.58
A8	2625.43	7208.67		
A9	2602.65	7204.91	2606.[illegible]	7182.72
A10	2600.32	7195.53		
A11	2566.79	7166.91	2579.39	7159.22
A12	2567.19	7153.44		
A13	2593.32	7096.38	2569.33	7190.88
A14	2642.58	7126.53	2682.02	7091.87
A15	2714.22	7133.34	2726.79	7149.53
A16	2728.47	7129.10		
A17	2824.35	7136.95	2823.89	7142.43
A18	2829.26	7143.61		
CL EDRA/SONORA	3133.65	7208.16		
EDRA CUL-DE-SAC	2608.83	7296.54		

SEE POND FOR ASBUILT DIMENSIONS

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1950
DATE ACCEPTED: 5/7/13

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

Charles E. Simpson 1/17/13
ENGINEER DATE

BY	DATE	REVISIONS / AS BUILT
ACS	1/16/2013	STREET AND STORM AS-BUILT

DATUM		SCALE			DATE
TBM NO.		HORIZONTAL	1"=50'	DRAWN MC PHILLIPS	01-04-07
ELEVATION	2180.03 NAVD29*	VERTICAL	1"=10'	CHECKED CES	1/17/13
LOCATION	TOP 1/2" PIPE-S1/4 COR-CONKLIN & SALTESE			APPROVED	

* ADD 3.8 TO ALL ELEVATIONS FOR NAVD 88 DATUM

CHARLES E. SIMPSON STATE OF WASHINGTON 9967 REGISTERED PROFESSIONAL ENGINEER 1/17/13

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N. 909 ARGONNE ROAD, SPOKANE VALLEY, WA., 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323

TYPE OF IMPROVEMENT: STORM SEWER

PROJECT NUMBER	SHEET NUMBER
13628	8 OF 10

TIMBERLANE TERRACE 1ST ADDITION
PLAN-PROFILE: STORM SEWER SYSTEM
THE SW 1/4 OF SEC.25, T25N, R44 EWM
SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456-8000

LP-07002648-8

P-1950 ENG "AS Builts"

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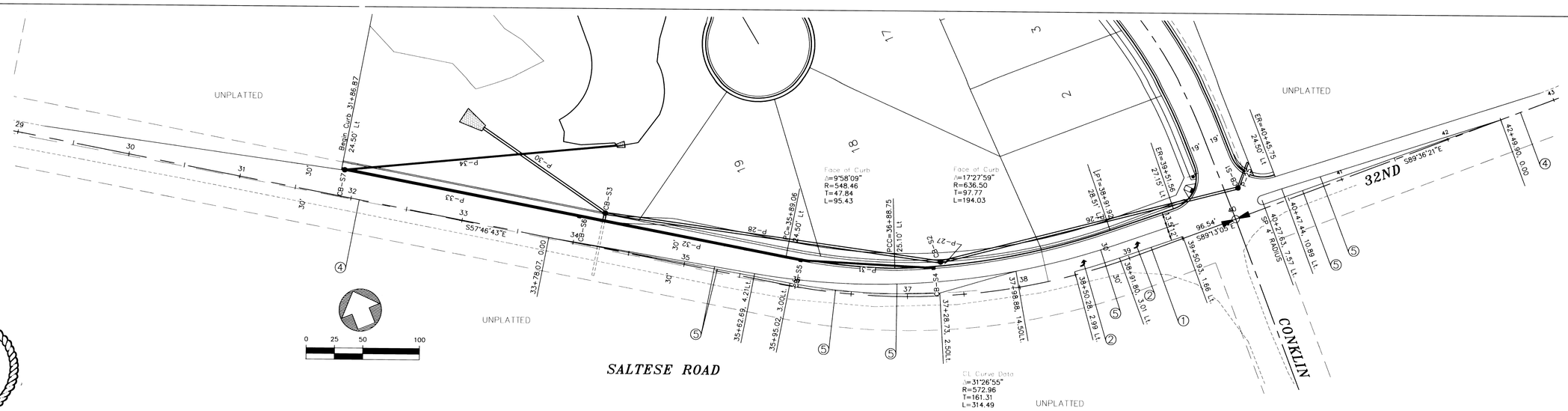
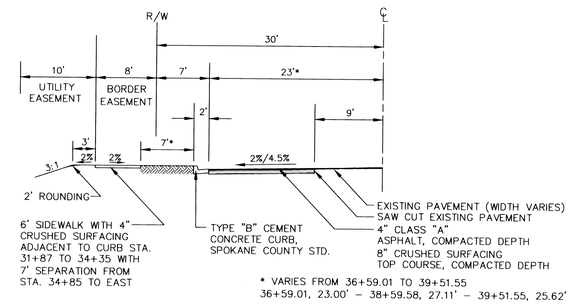


SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1950
DATE ACCEPTED: 5/7/13

CHANNELIZATION GENERAL NOTES

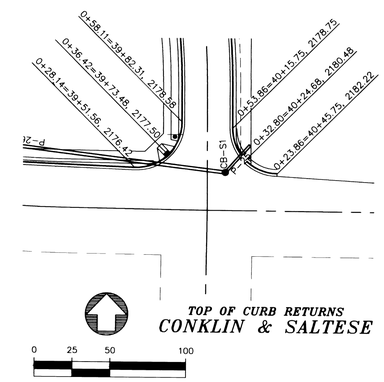
1. PAVEMENT MARKING DIMENSIONS SHOWN ARE TO CENTER OF STRIPE OR TO FACE OF CURB OR EDGE OF ASPHALT.
2. ALL TRAFFIC ARROWS INDICATED SHALL BE CENTERED WITHIN THE INTENDED TRAFFIC LANES FORMED BY THE LANE LINES. PLACEMENT OF TRAFFIC ARROWS WILL BE AS PER WSDOT STD PLAN H-3a
3. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE PAINTED TO MEET WSDOT SPECIFICATIONS.

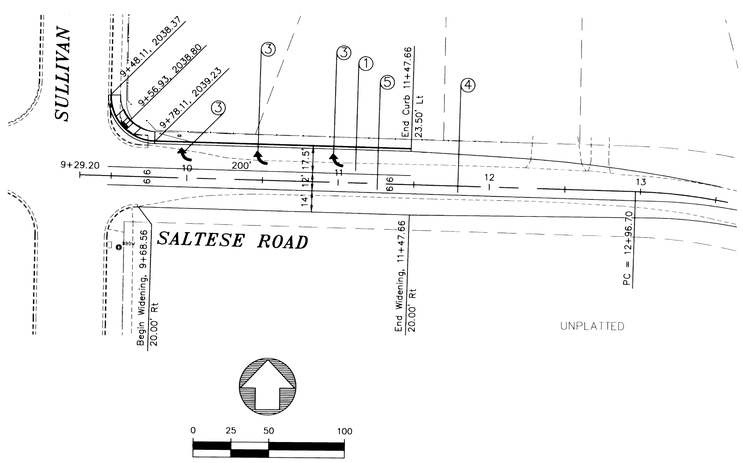
(1) 8" WIDE LINE (PER WSDOT STD. PLAN M-20.10-00)
(2) TRAFFIC ARROW (TYPE 2L, PER WSDOT STD. PLAN M-24.40-01)
(3) TRAFFIC ARROW (TYPE 2R, PER WSDOT STD. PLAN M-24.40-01)
(4) CENTER STRIPE (PER WSDOT STD. PLAN M-20.10-00)
(5) DOUBLE YELLOW CENTER STRIPE (PER WSDOT STD. PLAN M-20.10-00)

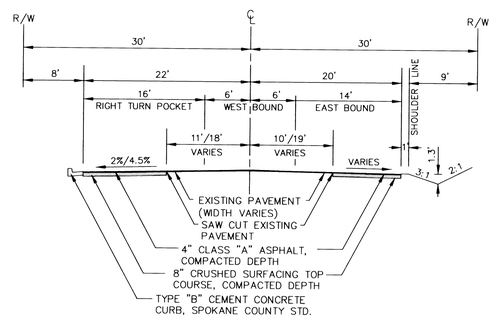


* VARIES FROM 36+59.01 TO 39+51.55
36+59.01, 23.00' – 38+59.58, 27.11' – 39+51.55, 25.62'

TYPICAL ROAD SECTION – SALTESE ROAD
STATION 31+86.93 TO 40+45.75
NOT TO SCALE







TYPICAL ROAD SECTION – SALTESE ROAD
STATION 9+29.20 TO 11+47.66
NOT TO SCALE

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

Charles E Simpson — ENGINEER — 1/17/13 DATE

RECORD DRAWING

BY	DATE	REVISIONS / AS BUILT
ACS	1/16/2013	STREET AND STORM AS-BUILT

DATUM	SCALE		DATE
TBM NO.	HORIZONTAL 1"=50'	DRAWN MC PHILLIPS	01-04-07
ELEVATION 2180.03 NAVD29*	VERTICAL 1"=10'	CHECKED CES	1/17/13
LOCATION TOP 1/2" PIPE-S1/4 COR-CONKLIN & SALTESE		APPROVED	
* ADD 3.8 TO ALL ELEVATIONS FOR NAVD 88 DATUM			

CHARLES E. SIMPSON — STATE OF WASHINGTON — 9967 — 1/17/13 — REGISTERED PROFESSIONAL ENGINEER

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

TYPE OF IMPROVEMENT: STREET	
PROJECT NUMBER	SHEET NUMBER
13628	9 OF 10

TIMBERLANE TERRACE 1ST ADDITION

STRIPING PLAN: SALTESE ROAD–STA. 9+27.17 TO 11+45.54
STRIPING PLAN: SALTESE ROAD–STA. 31+86.93 TO 40+45.76
CURB ALIGNMENT: SALTESE ROAD–STA. 31+86.93 TO 40+45.76

THE SW 1/4 OF SEC.25, T25N, R44 EWM
SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456-8000

LP-07002648-9

P-1950 ENG "As Builts"

P:\Projects\13501-14000\13628\dwg\13628_TT1_Drainage_Asbuilt.dwg 1/16/2013 3:44:20 PM PST

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1950
DATE ACCEPTED: 5/7/13

STORM DRAINAGE SYSTEM "A": CATCH BASINS

NAME	LOCATION	STRUCTURE & GRATE TYPE SPOKANE COUNTY & DOT STDS.	GRATE ELEV.	SUMP ELEV.	INVERT ELEVATIONS
CB-C1	CONKLIN 2+62 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2164.53	2160.16	10" OUT TO WEST (P-1) = 2161.80
CB-C2	CONKLIN 2+62 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2164.75	2158.45	10" IN FROM EAST (P-1) = 2160.12 12" OUT TO NORTH (P-2) = 2160.29
CB-C3	CONKLIN 4+82.88 Lt.	CATCH BASIN 54" TYPE 2 (WSDOT) METAL FRAME TYPE 2 GRATE TYPE 3	2156.61	2141.21	12" IN FROM SOUTH (P-2) = 2151.01 24" IN FROM EAST (P-3) = 2148.50 24" OUT TO WEST (P-7) = 2143.05
CB-C4	CONKLIN 4+82.88 Rt.	CATCH BASIN 54" TYPE 2 (WSDOT) METAL FRAME TYPE 2 GRATE TYPE 3	2156.42	2147.13	24" IN FROM NORTH (P-4) = 2151.65 24" OUT TO WEST (P-3) = 2149.13
CB-C5	CONKLIN 6+68 Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 1 GRATE TYPE 1	2162.24	2154.73	10" IN FROM WEST (P-5) = 2158.71 24" IN FROM NORTH (P-6) = 2156.76 24" OUT TO SOUTH (P-4) = 2157.11
CB-C6	CONKLIN 6+68 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2162.14	2157.64	10" OUT TO EAST (P-5) = 2159.77
CB-C7	SONORA 19+62.81Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2166.88	2161.54	12" IN FROM NORTH (P-10)= 2163.33 12" OUT TO WEST (P-11) = 2163.51
CB-C8	CONKLIN 10+02.94Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2167.94	2163.55	12" IN FROM EAST (P-9) = 2165.24 12" OUT TO SOUTH (P=10) = 2165.13
CB-C9	CONKLIN 9+85.16Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 2 GRATE TYPE 3	2167.91	2163.97	12" OUT TO WEST (P-9) = 2165.73

STORM DRAINAGE SYSTEM "A": CATCH BASINS

NAME	LOCATION	STRUCTURE & GRATE TYPE SPOKANE COUNTY & DOT STDS.	GRATE ELEV.	SUMP ELEV.	INVERT ELEVATIONS
CB-D1	SONORA 17+80 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2154.34	2149.44	10" OUT TO SOUTH (P-12) = 2151.21
CB-D2	SONORA 17+80 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2154.48	2148.58	12" IN FROM EAST (P-11) = 2150.24 10" IN FROM NORTH (P-12) = 2150.46 12" OUT TO WEST (P-13) = 2150.19
CB-D3	SONORA 16+98.47Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2147.28	2141.36	12" IN FROM EAST (P-13) = 2143.13 12" OUT TO WEST (P-14) = 2143.02
CB-D4	SONORA 16+15.30Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2141.75	2135.99	10" OUT TO SOUTH (P-15) = 2138.05
CB-D5	SONORA 16+31.36Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 1 GRATE TYPE 1	2142.30	2134.78	12" IN FROM EAST (P-14) = 2137.15 10" IN FROM NORTH (P-15) = 2137.78 18" OUT TO SOUTH (P-16) = 2136.51
CB-E1	EDRA 8+50 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2139.24	2134.46	10" OUT TO EAST (P-17) = 2136.56
CB-E2	EDRA 8+50 Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 1 GRATE TYPE 1	2139.41	2134.49	18" IN FROM NORTH (P-16) = 2135.19 10" IN FROM WEST (P-17) = 2135.78 18" OUT TO SOUTH (P-18) = 2135.18
CB-E3	EDRA 7+09.37 Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 1 GRATE TYPE 1	2136.76	2130.62	18" IN FROM NORTH (P-18) = 2132.67 10" IN FROM WEST (P-19) = 2133.28 18" OUT TO SOUTH (P-20) = 2132.47
CB-E4	EDRA 7+09.37 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 2 GRATE TYPE 3	2136.77	2131.80	10" OUT TO EAST (P-19) = 2133.76
CB-E5	EDRA 6+60.36, 24Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 2 GRATE TYPE 3	2136.54	2126.98	18" IN FROM EAST (P-23) = 2132.56 18" OUT TO WEST (P-24) = 2128.69
CB-E6	EDRA 6+38.05 Rt.	CATCH BASIN 60" TYPE 2 (WSDOT) METAL FRAME TYPE 4 SOLID COVER	2137.70	2128.18	30" IN FROM EAST (P-7) = 2130.46 24" IN FROM NORTH (P-20) = 2131.72 30" OUT TO WEST (P-8) = 2130.73
CB-E7	EDRA 6+66.74, 21.8'Lt.	72" FLOW CONTROL MANHOLE (WSDOT) METAL FRAME TYPE 4 SOLID COVER	2138.03	2127.70	30" IN FROM SOUTH(P-36)= 2128.62 30" OUT TO WEST (P-35) = 2128.60
CB-S1	CONKLIN 0+23, 13'Rt.	CATCH BASIN 54" TYPE 2 (WSDOT) METAL FRAME TYPE 4 SOLID COVER	2179.94	2171.21	18" IN FROM EAST (P-25) = 2175.54 24" IN FROM SOUTH = 2174.78 24" OUT TO WEST (P-26) = 2173.72
CB-S2	SALTESE 37+28.82, 29.5Lt.	CATCH BASIN 72" TYPE 2 (WSDOT) METAL FRAME TYPE 4 SOLID COVER	2166.67	2153.36	24" IN FROM EAST (P-26) = 2155.37 18" IN FROM SOUTH(P-27) = 2155.15 24" OUT TO WEST (P-28) = 2154.62
CB-S3	SALTESE 34+25.8, 30.8Lt.	CATCH BASIN 54" TYPE 2 (WSDOT) METAL FRAME TYPE 4 SOLID COVER	2150.46	2140.98	24" IN FROM EAST (P-28) = 2142.69 24" IN FROM SOUTH(P-29) = 2142.66 24" OUT TO WEST (P-30) = 2142.76
CB-S4	SALTESE 37+25 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2164.02	2157.75	12" OUT TO WEST (P-31) = 2159.39
CB-S5	SALTESE 36+00 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2158.38	2152.26	12" IN FROM EAST (P-31) = 2153.78 12" OUT TO WEST (P=32) = 2153.88
CB-S6	SALTESE 34+00 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2149.09	2143.26	12" IN FROM EAST(P-32) = 2144.80 12" OUT TO WEST (P=33) = 2144.76
CB-S7	SALTESE 31+88 Lt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 1 GRATE TYPE 1	2138.53	2131.70	12" IN FROM EAST (P-33) = 2134.31 12" OUT TO EAST (P-34) = 2132.31
CB-G1	GALWAY 1+92.6 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2180.47	2176.72	10" OUT TO EAST (P-37) = 2178.61
MH-3	GALWAY 1+92.6 Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) METAL FRAME TYPE 1 GRATE TYPE 1	2180.99	2171.03	10" IN FROM WEST (P-37) = 2176.05 24" OUT TO SOUTH (P-6) = 2172.77 IN FROM EAST (EX.) = 2172.77

STORM DRAINAGE SYSTEM "A": PIPE SCHEDULE

PIPE NAME	I.D.	PIPE TYPE	LENGTH	SLOPE	UPSTREAM		DOWNSTREAM	
					NODE	INVERT	NODE	INVERT
P-1	10"	H.D.P.E.	30.9'	0.054	CB-C1	2161.80	CB-C2	2160.12
P-2	12"	H.D.P.E.	223.8'	0.041	CB-C2	2160.29	CB-C3	2151.01
P-3	24"	H.D.P.E.	31.3'	0.020	CB-C4	2149.13	CB-C3	2148.50
P-4	24"	H.D.P.E.	184.7'	0.030	CB-C5	2157.11	CB-C4	2151.65
P-5	10"	H.D.P.E.	30.8'	0.034	CB-C6	2159.77	CB-C5	2158.71
P-6	24"	H.D.P.E.	298.8'	0.053	MH-3	2172.59	CB-C5	2156.76
P-7	24"	H.D.P.E.	298.9'	0.042	CB-C3	2143.05	CB-E6	2130.46
P-8	30"	H.D.P.E.	55.8'	0.026	CB-E6	2130.73	POND	2129.26
P-9	12"	H.D.P.E.	35.4'	0.014	CB-C9	2165.73	CB-C8	2165.24
P-10	12"	H.D.P.E.	55.6'	0.032	CB-C8	2165.13	CB-C7	2163.33
P-11	12"	H.D.P.E.	182.1'	0.073	CB-C7	2163.51	CB-D2	2150.24
P-12	10"	H.D.P.E.	30.8'	0.024	CB-D1	2251.21	CB-D2	2150.46
P-13	12"	H.D.P.E.	86.9'	0.081	CB-D2	2150.19	CB-D3	2143.13
P-14	12"	H.D.P.E.	68.1'	0.086	CB-D3	2143.02	CB-D5	2137.15
P-15	10"	H.D.P.E.	32.9'	0.017	CB-D4	2138.05	CB-D5	2137.50
P-16	18"	H.D.P.E.	142.8'	0.009	CB-D5	2136.51	CB-E2	2135.19
P-17	10"	H.D.P.E.	30.8'	0.025	CB-E1	2136.56	CB-E2	2135.78
P-18	18"	H.D.P.E.	140.5'	0.018	CB-E2	2135.18	CB-E3	2132.67
P-19	10"	H.D.P.E.	30.9'	0.016	CB-E4	2133.76	CB-E3	2133.28
P-20	18"	H.D.P.E.	70.6'	0.011	CB-E3	2132.47	CB-E6	2131.72
P-22	18"	H.D.P.E.	115.2'	0.034	GROUND	2147.19	GROUND	2143.33
P-23	18"	H.D.P.E.	12.6'	0.132	GROUND	2134.23	CB-E5	2132.56
P-24	18"	H.D.P.E.	126.3'	0.052	CB-E5	2128.69	GROUND	2122.18
P-25	18"	H.D.P.E.	24.1'	0.039	GROUND	2176.48	CB-S1	2175.54
P-26	24"	CMP	270.7'	0.068	CB-S1	2173.72	CB-S2	2155.37
P-27	18"	Conc.	4.0'	0.243	Ex. Clvt	2156.12	CB-S2	2155.15
P-28	24"	CMP	299.7'	0.0398	CB-S2	2154.62	CB-S3	2142.69
P-29	24"	CMP	8.0'	0.080	Ex. Clvt	2143.3	CB-S3	2142.66
P-30	24"	CMP	131.0'	0.0807	CB-S3	2142.76	GROUND	2132.19
P-31	12"	H.D.P.E.	117.8'	0.048	CB-S4	2159.39	CB-S5	2153.78
P-32	12"	H.D.P.E.	199.3'	0.046	CB-S5	2153.88	CB-S6	2144.80
P-33	12"	H.D.P.E.	211.3'	0.049	CB-S6	2144.76	CB-S7	2134.31
P-34	12"	H.D.P.E.	241.2'	0.013	CB-S7	2132.31	POND	2129.19
P-35	30"	PVC	81.6'	0.050	CB-E7	2128.60	GROUND	2124.51
P-36	30"	PVC	11.5'	0.103	POND	2129.80	CB-E7	2128.62
P-37	10"	H.D.P.E.	23.1'	0.111	CB-G1	2178.61	MH-3	2176.05

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

Charles E Simpson — 1/17/13
ENGINEER — DATE

RECORD DRAWING

CALL BEFORE YOU DIG 456-8000

P:\Projects\13501-14000\13628\dwg\13628_TT1_Drainage_Asbuild.dwg 1/16/2013 3:44:20 PM PST

BY	DATE	REVISIONS / AS BUILT
ACS	1/16/2013	STREET AND STORM AS-BUILT

DATUM — TBM NO. — ELEVATION 2180.03 NAVD29* — LOCATION TOP 1/2" PIPE-S1/4 COR-CONKLIN & SALTESE
* ADD 3.8 TO ALL ELEVATIONS FOR NAVD 88 DATUM

SCALE — HORIZONTAL 1"=50' — VERTICAL

DRAWN M. C. PHILLIPS — DATE JAN. 2007
CHECKED CES — 1/17/13
APPROVED

CHARLES E. SIMPSON — STATE OF WASHINGTON — 9967 — REGISTERED PROFESSIONAL ENGINEER — 1/17/13

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

DRAINAGE

PROJECT NUMBER 13628 — SHEET NUMBER 10 OF 10

TIMBERLANE TERRACE 1ST ADD.
SW 1/4 OF SECTION 25, T. 25 N, R. 44 E.W.M.

ASBUILT TABLES

LP-07002646-10 P-1950 EA6 "AS-Builts"