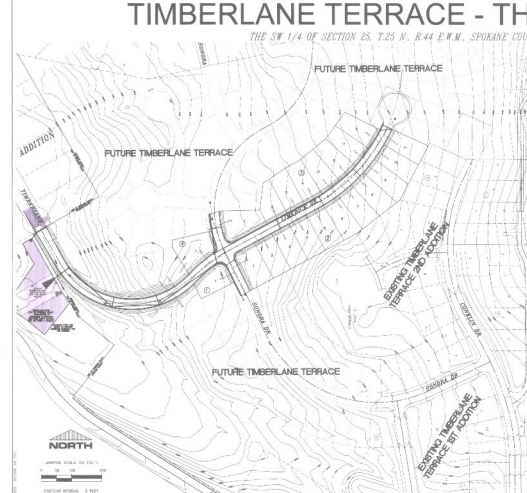
TIMBERLANE TERRACE - THIRD ADDITION

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



CONSTRUCTION NOTES

1) ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" (SCS) AND AS AMENDED.

2) LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, PUBLIC AND PRIVATE, AND COMPLYING WITH ANY SPECIAL COUNTY REQUIREMENTS 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 ENGINEERING OFFICE.

5) FOR CONSTRUCTION OF DRIVEWOLS, MOSAIC TILE OR FABRIC CHECKS HAVE OR APPROVED EQUIVALENT BETWEEN THE PROPERTY OWNER AND THE CONTRACTOR.

6) PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.

7) FOR ANY PLAT FILED ON/AFTER JULY 23, 1995 (SEE RCW 58.17.170), A WASHINGTON STATE LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE LAND FORMS ARE AT THE SAMEES NOTED ON THE APPROVED PLAN. THE SURVEYOR SHALL PROVIDE A WRITTEN STATEMENT TO THE ENGINEER RESPONSIBLE FOR PREPARING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.

8) THE FLOOR OF A GRADED DRAINAGE AREA (DFA) SHALL INCLUDE THE LOW POINTS OF THE FLOOR OF THE DRAINAGE FACILITY. THE FLOOR OF THE DFA SHALL BE A MINIMUM OF 1 FOOT ABOVE THE HIGHEST WATER SURFACE ELEVATION. THE CONTOUR OF THE DFA SHALL BE A MINIMUM OF 1 FOOT BELOW THE MEANDERING BOTTOM, WITH THE MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT CERTIFYING THAT THE DRAINAGE FACILITY HAS BEEN CONSTRUCTED TO THE DESIGN SPECIFICATIONS AND SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INITIATING HOMES CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE. THE GRADED FLOOR MATERIAL SHALL BE INSTALLED TO A MINIMUM DEPTH SUFFICIENT TO ALLOW INFILTRATION TO OCCUR WITHIN THE DFA AT A RATE NOT LESS THAN 0.5 INCHES PER HOUR.

9) AN EROSION/SEDIMENTATION CONTROL PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE PLAN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER OF AN EXPERIENCED LAND ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY SPOKANE COUNTY. ON SITE VERIFICATION IS ESTABLISHED THROUGHOUT THE SITE, AND ACCEPTED BY SPOKANE COUNTY. MINIMUM 5 DAYS.

10) APPROVAL OF THE SITE PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED RAIL STORM DRAINAGE SYSTEMS OR UTILITY BOXES SHOWN ON THE SITE PLAN.

11) THE CONTRACTOR SHALL PROVIDE ALL SAFETY MEASURES AND PROTECTIVE REQUIREMENTS FOR THE INTERMITTENT AND GENERAL CONSTRUCTION. THE CONTRACTOR SHALL ALSO MAINTAIN THE SITE IN SUCH A MANNER AS MAY BE REQUIRED, AND SHALL MAINTAIN AND OPERATE SUCH EQUIPMENT AS NECESSARY TO PREVENT DISTURBED LANDS WITHIN THE PROJECT FROM BECOMING A NUISANCE DUE TO WIND, OR WATER RUNOFF FROM STORMS, FOGGING, DUST OR SMALL DEBRIS, OR DRIVING VEHICLES.

12) DISTURBED FABRIC TO BE PLACED ON THE FRONT OF EXPOSED CHECK BANKS AND INLETS UNTIL SUCH TIME THE VEGETATION ON THE SITE IS ESTABLISHED AND THE RISKS OF DEBRIS OBSTRUCTION INTO THE DRAINAGE SYSTEM IS REMOVED.

13) DRIVE SPACING SHALL BE IN ACCORDANCE WITH THE APPROVED DRAINAGE PLAN AND ESC PLAN. ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM A PREAPPROVED SOURCE DESTINATION AND MATERIAL SHALL BE PLACED IN A PREAPPROVED DESTINATION. ALL EXCAVATED MATERIAL SHALL BE DISPOSED ON SITE WITH NO ADDITIONAL COST TO THE COUNTY. ADDITIONAL REGULATORY REQUIREMENTS MAY APPLY. FOR ADDITIONAL INFORMATION, CONTACT THE SPOKANE COUNTY DEPT. OF ENGINEERING, ATTN: DEVELOPMENT ENGINEERING, 710 N. MAPLE, SPOKANE, WA 99202, PHONE NUMBER (509) 477-3600.

CALL BEFORE YOU DIG 811

INDEX TO PLAN SET

SHEET 1 OF 6: VICINITY MAP & PLAN INDEX
SHEET 2 OF 6: EROSION & SEDIMENT CONTROL PLAN
SHEET 3 OF 6: STORMWATER DRAINAGE PLAN
SHEET 4 OF 6: STREET PLAN-PROFILE: TIMBERLANE DRIVE AND LIVERICK DRIVE
SHEET 5 OF 6: STREET PLAN-PROFILE: LIVERICK DRIVE
SHEET 6 OF 6: STREET PLAN-PROFILE: SONORA DRIVE AND MOORE LANE

PROJECT INFORMATION

Owner/Applicant:	Timberlane Inc. Jim Fox
Contact Number:	(509) 922-2748 Ext. 14
Project Address:	12815 E. Sprague Ave., Suite 100 Spokane Valley, WA 99216
Property Description:	(By Simpson Engineers, Inc.)

That portion of the SW 1/4 of Section 25, T. 25 N., R. 44 E.W.M. described as follows:

Begin at the most Westerly corner of "Timberlane Terrace 2nd Addition" (the plat) (a circular bolt on the Westerly line of said 2nd Addition/Survey NAD 83/WCS 27 SPC74 Near) thence N52°11'11"E, 18.20 feet; thence N27°42'21"E, 220.45 feet; thence N65°18'33"W, 47.11 feet, to a point on a non-tangent curve, concave to the Northwest, having a radius of 1,000.00 feet, and a radial bearing of S65°18'33"E from the center of curve; thence southwesterly through a central angle of 1°07'40", an arc distance of 18.77 feet; thence N26°31'53"W, 100.00 feet, to a point on a non-tangent curve, concave to the Northwest, having a radius of 1,000.00 feet, and a radial bearing of N26°31'53"W from the center of curve; thence S65°30'04"W, 80.11 feet; thence S65°13'14"W, 88.85 feet; thence S59°44'34"W, 31.00 feet; thence S65°30'04"W, 100.00 feet, to a point on a non-tangent curve, concave to the Northwest, having a radius of 969.00 feet and a radial bearing of S65°30'04"W from the center of curve; thence Southwesterly through a central angle of 5°34'25", an arc distance of 94.27 feet; thence S25°55'39"W, radial to said curve, 31.00 feet; thence S25°55'39"W, 23.87 feet; thence S52°22'21"E, 15.00 feet, to a point on a nontangent curve concave to the North with a radius of 1,000.00 feet, and a radial bearing of N52°22'21"W from the center of curve; thence Southwesterly, Westerly and Northwesterly through a central angle of 12°21'22", an arc distance of 215.66 feet, to the end of curve; thence N39°32'57"W, 12.00 feet, to the Easterly line of "Timberlane Terrace 1st Addition"; thence N27°36'03"E, along said Easterly line, 1,212.00 feet; thence S62°23'57", 12.00 feet, to the beginning of a curve concave to the North with a radius of 1,249.00 feet; thence Northeasterly, along said curve, through a central angle of 10°00'00", an arc distance of 218.01 feet; thence S52°23'57", 12.52 feet; thence N27°36'03"E, 12.00 feet; thence N52°23'57", 12.52 feet; thence S27°36'03"W, 12.00 feet to the Point of Beginning.

Situate in the County of Spokane, State of Washington.

CALL BEFORE YOU DIG 811

SPOKANE COUNTY ENGINEERING
APPROVED FOR CONSTRUCTION
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED: 6-12-2015
PROJECT ENGINEER: Jim Fox
PROJECT NAME: Timberlane Terrace 3rd Addition
PROJECT LANE MILES: 0.0
THIS PROJECT IS NOT ACCEPTED FOR MAINTENANCE
OTHER DRAINAGE FACILITIES ARE REQUIRED FROM THE DEVELOPER TO ACCEPT THE ROADWAY FOR MAINTENANCE
ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE
MUST BE ACCEPTED BY SPOKANE COUNTY
ROAD AND DRAINAGE FACILITIES MUST BE ACCEPTED PRIOR TO CONSTRUCTION

Alan C. Simpson
6-12-2015
ENGINEERS APPROVAL DATE

Jim Fox
6-12-15
DEVELOPER APPROVAL DATE

Site Primary Soil Type: Bong & Prosser loamy sands, Clayton sandy loam, Garrison very gravelly loam, Hardesty silt loam, Spokane very rocky complex, Spokane extremely rocky complex

Note: Soils are USDA SCS (now NRCS), 1989, "Soil Survey of Spokane County Washington".
For further soil information, refer to the project "Stormwater Drainage Report".

NO	DATE	REVISIONS
01	2-12-2015	REVISE PLANS TO SPOKANE COUNTY AND APPROVAL PLANS TO CITY OF SPOKANE VALLEY
01	2-4-15	REVISIONS / AS BUILT

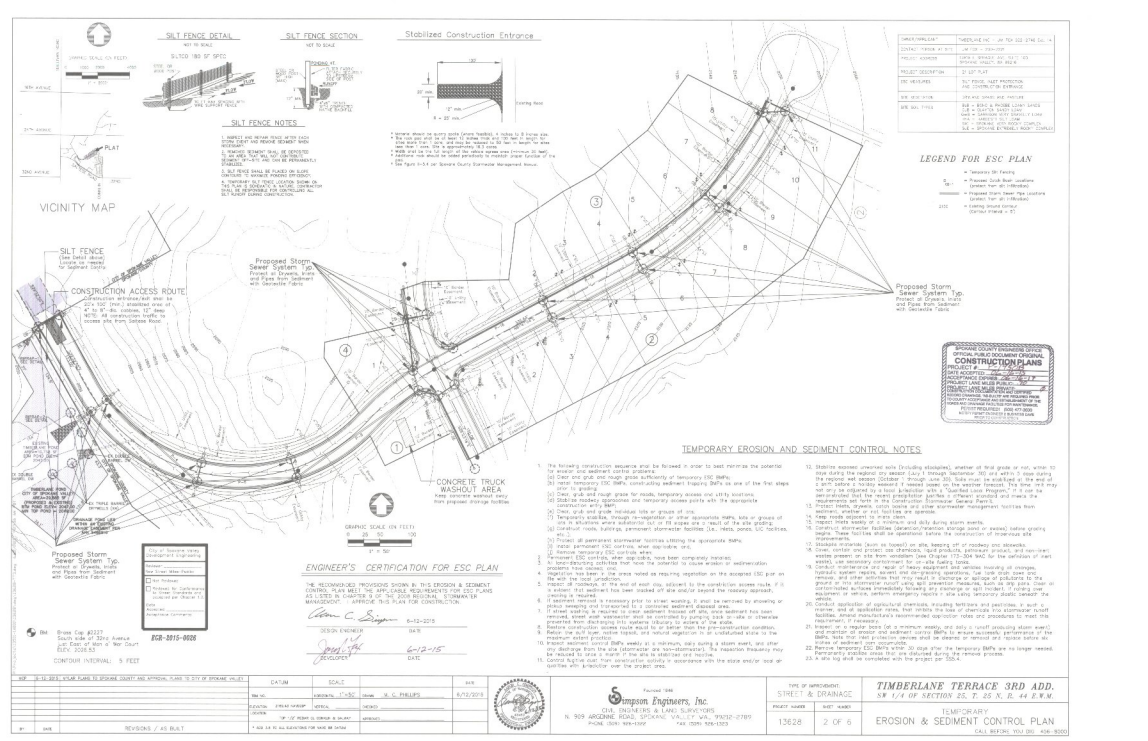
DATUM	SCALE	DATE
Wa-90	HORIZONTAL 1"=100'	8/12/2015
DRAWN BY: JOHN HUNTER	VERTICAL	DRAWN: M. C. PHILLIPS
LOCATION: CITY OF SPOKANE VALLEY, SPOKANE COUNTY, WASHINGTON		APPROVED:

Founded 1946
Simpson Engineers, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
N. 904 AVENIDA REAL, TEHACHAPI VALLEY, WA. 99612-2789
PHONE (509) 926-2262 FAX (509) 926-2263

TYPE OF IMPROVEMENT: DRAINAGE
PROJECT NUMBER: 13628
SHEET NUMBER: 1 OF 6

TIMBERLANE TERRACE - 3RD ADD
SW 1/4 OF SECTION 25, T. 25 N., R. 44 E.W.M.

VICINITY MAP & PLAN INDEX
STORM SYSTEM & & STEPPED SWALES


SILT FENCE DETAIL
NOT TO SCALE
SILT FENCE SECTION
NOT TO SCALE
Stabilized Construction Entrance
SILT FENCE NOTES
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN REQUIRED.
2. REMOVE SEDIMENT TRAP, SILT DEPOSITION TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT TO WATERWAYS AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS WHENEVER PRACTICABLE.
4. TRAPPED SILT FENCE CONTROL SHOW ON THE PLAN IS GENERATE IN NATURE. CONTRACTOR TO FIELD REVIEW AND MODIFY AS NECESSARY DURING CONSTRUCTION.
* Veneer should be quarry spalls (where feasible), 4 inches to 8 inches size.
* The rock size shall be of been 12 inches thick and 30 feet in length for slope more than 1 slope, and may be reduced to 50 feet in length for slope less than 1 slope or as approved by the inspector.
* Width shall be the full width of the vehicle egress area (minimum 30 feet).
* Additions rock would be added periodically to maintain proper function of the pad.
* See Figure 5-5.4 of Spokane County Stormwater Management Manual.
VICINITY MAP
SILT FENCE
(See detail above. Locate as needed for Sediment Control)
CONSTRUCTION ACCESS ROUTE
(Construction entrance/exit area: be 30' x 50' (min.) stabilized area of 4" to 8" rock, crushed, 12" deep NOTE: All construction traffic to access site from Jackson Road.)
Proposed Storm Sewer System Typ. Project at Grace's Inlet and Flow from Sediment with Geotextile Fabric
Proposed Storm Sewer System Typ. Project at Grace's Inlet and Flow from Sediment with Geotextile Fabric
CONCRETE TRUCK WASHOUT AREA
Area shown is approximate only. Refer to proposed drainage facilities
GRAPHIC SCALE (IN FEET)
1" = 50'
LEGEND FOR ESC PLAN
Temporary Silt Fencing
Proposed Inlet Protection Locations (Contour Interval = 5')
Existing Ground Contour (Contour Interval = 5')
TEMPORARY EROSION AND SEDIMENT CONTROL NOTES
1. The following construction sequence and be followed in order to best minimize the potential for erosion and sediment control problems:
(a) Clear and grub and rough grade sufficiently for TEMPORARY ESC BMPs.
(b) Install temporary ESC BMPs, constructing sediment trapping BMPs as one of the first steps prior to grading.
(c) Clear, grub and rough grade for roads, temporary access and utility locations.
(d) Stabilize roadway approaches and temporary access points with the appropriate construction entry BMPs.
(e) Rough grade and install individual lots or groups of lots.
(f) Temporarily stabilize through re-vegetation or other appropriate BMPs, lots or groups of lots in situations where substantial lot or fill slopes are a result of the site grading.
(g) Construct roads, buildings, permanent stormwater facilities (i.e. inlets, ponds, ESC facilities, etc.).
(h) Protect all permanent stormwater facilities utilizing the appropriate BMPs.
(i) Install permanent ESC controls, when applicable, and.
(j) Finish grade and stabilize the site.
Permanent ESC controls, when applicable, have been completely installed.
2. Non-sediment-producing activities that have the potential to cause erosion or sedimentation problems must be avoided.
3. Sediment has been in the areas noted as requiring vegetation on the accepted ESC plan on the site and stabilized.
4. Prevent all sediment from leaving the site and each day, adjacent to the construction access route, if it is evident that sediment has been tracked off site and/or beyond the roadway approach, sweep or scrape.
5. If sediment removal is necessary prior to street washing, it must be removed by shoveling or dry street sweeping and transported to a controlled sediment disposal area.
6. If street washing is required to clean sediment tracked off site, once sediment has been removed, street wash wastewater shall be controlled by pumping back on-site or otherwise prevent it from discharging into surface waters or drainage facilities.
7. Restore construction access route would to at better than the pre-construction condition.
8. Rough the soil layer, native topsoil, and natural vegetation in an undisturbed state to the maximum extent practicable.
9. Inspect sediment control BMPs weekly at a minimum, daily during a storm event, and after any discharge from the site (stormwater are non-stormwater). The inspection frequency may be reduced to once a month if the site is stabilized and inactive.
10. Control fugitive dust than construction activity in accordance with the state and/or local agencies with jurisdiction over the project area.
11. Stabilize exposed unworked soils (including stockpiles), whether of final grade or not, within 10 days during the regional dry season (July 1 through September 30) and within 3 days during the regional wet season (October 1 through June 30). Soils must be stabilized at the end of a shift before a holiday weekend if needed based on the weather forecast. This time will may not only be adjusted by a local jurisdiction with a "Qualified Local Program," if it can be demonstrated that the alternate timelines will protect water quality and meet the requirements set forth in the Construction Stormwater General Permit.
12. Protect inlets, drywells, catch basins and other stormwater management facilities from receiving sediment-laden runoff prior to operation.
14. Keep roads adjacent to work clean.
15. Inspect inlets weekly or a minimum and daily during storm events.
16. Construct stormwater facilities (detention/retention ponds or swales) before grading begins. These facilities shall be operational before the construction of impervious surfaces commences.
17. Stockpile materials (such as topsoil) on site, keeping off of roadways and sidewalks.
18. Cover, contain and protect any chemicals, liquid products, petroleum product, and non-inert waste present on site from weather. Refer to Chapter 173-304 WAC for the definition of inert waste, use secondary containment for on-site fueling tanks.
19. Wash down areas with as little water as possible. Prevent washwater involving all storages, hydraulic system repairs, as well and dangerously operations, fuel tank drain down and removal, and other activities that may result in discharge or spillage of pollutants to the ground or into stormwater runoff using spill prevention measures, such as drip pans. Clean up contaminated surfaces immediately following any discharge or spill incident. If running over contaminated surfaces immediately following any discharge or spill incident, thoroughly clean the vehicle.
20. Conduct application of agricultural chemicals, including fertilizers and pesticides, in such a manner and at such application rates, that limits the loss of chemicals into stormwater runoff facilities, always manufacturer's recommended application rates and procedures to meet this requirement, if necessary.
21. Inspect on a regular basis (at a minimum, weekly, and daily during rainy season) and maintain all erosion and sediment control BMPs to ensure successful performance of the intended function. Repair or replace as needed. Sediment shall be cleaned or removed and replace before one inches of sediment can accumulate.
22. Remove temporary ESC BMPs within 30 days after the temporary BMPs are no longer needed. Permanently stabilize areas that are disturbed during the removal process.
23. A site log shall be completed with the project per SSC-4.
ENGINEER'S CERTIFICATION FOR ESC PLAN
THE RECOMMENDED PROVISIONS SHOWN IN THIS EROSION & SEDIMENT CONTROL PLAN MEET THE APPLICABLE REQUIREMENTS FOR ESC PLANS AS LISTED IN CHAPTER 3 OF THE 2008 REGIONAL STORMWATER MANAGEMENT. APPROVE THIS PLAN FOR CONSTRUCTION.
DESIGN ENGINEER — DATE
6-12-2015
DEVELOPER — DATE
6-12-15
City of Spokane Valley Development Engineering
Reviewed
Non Critical Area Checklist
ESC Reviewed
Reviewed for Conformance with Conditions of Approval Contained on Sheet 1.0
Date
Development Engineer
Spokane County
ECB-2015-0026
Gross Cap #2227
South side of 32nd Avenue
Est. East of Mon d' Mar Court
ELEV. 2028.83
CONTOUR INTERVAL: 5 FEET
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # TIMBERLANE TERRACE 3RD ADD
DATE ACCEPTED: 06/22/2015
PROJECT ENGINEER: SIMPSON ENGINEERS, INC.
PROJECT LANE RULES PURSUANT TO SMC 17D.010.020 (B)
PROJECT LANE RULES PRIVATE
REVISIONS CONSISTING OF ERRATA ONLY MAY BE MADE WITHOUT REVISED DRAWINGS. REVISIONS MAY NOT BE MADE WITHOUT REVISED DRAWINGS IF THE REVISIONS INCREASE OR DECREASE FACILITIES OR ALTER FACILITY DESIGN
PERMIT REQUIRED: (509) 477-3600
WITH EXPIRATION DATE OF 06/22/2017
DEPARTMENT OF ENGINEERING & DEVELOPMENT
PUBLIC WORKS DIVISION
Prepared Under
Simpson Engineers, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
N. 909 ARGONNE ROAD, SPOKANE VALLEY, WA. 99212-2789
PHONE (509) 926-1300 FAX (509) 926-1303
TYPE OF IMPROVEMENT: STREET & DRAINAGE
TIMBERLANE TERRACE 3RD ADD.
NW 1/4 OF SECTION 25, T. 25 N., R. 44 E.W.M.
PROJECT NUMBER 13628
SHEET NUMBER 2 OF 6
TEMPORARY
EROSION & SEDIMENT CONTROL PLAN
CALL BEFORE YOU DIG (509) 456-8000
REVISIONS / AS BUILT
DATUM
SCALE
DATE 6/12/2015
DRAWN W. C. PHILLIPS
HORIZONTAL 1"=50'
VERTICAL
DESIGNED
CHECKED
TOP OF REBAR IS DERIVED & SHOWN
REFERENCE
ELEVATION 2.FIELD SURVEY
DESIGN
THIS DRAWING IS NOT VALID UNLESS THE SEAL IS DATED
BY DATE

NORTH

GRAPHIC SCALE (IN FEET)

0 30 60 120

1" = 60'

CONTOUR INTERVAL: 5 FEET

STORM DRAINAGE SYSTEM: PIPE SCHEDULE

PIPE NAME	I.D.	PIPE TYPE	APPROX. LENGTH	APPROX. SLOPE	UPSTREAM NODE	UPSTREAM INVERT	DOWNSTREAM NODE	DOWNSTREAM INVERT
P-1	8"	D.I.	30'	0.004	CB-1	2047.31	CB-2	2047.19
P-2	24"	H.D.P.E./PVC	30'	0.020	CB-4	2048.05	CB-3	2047.44
P-3	24"	H.D.P.E./PVC	28'	0.016	CB-3	2047.44	POND	2047.00
P-4	24"	H.D.P.E./PVC	191'	0.066	CB-5	2060.67	CB-4	2048.05
P-5	8"	H.D.P.E./PVC	30'	0.005	CB-6	2061.98	CB-5	2061.83
P-6	24"	H.D.P.E./PVC	156'	0.077	CB-7	2072.73	CB-5	2060.67
P-7	8"	H.D.P.E./PVC	30'	0.005	CB-8	2074.05	CB-7	2073.90
P-8	24"	H.D.P.E./PVC	235'	0.058	CB-9	2086.35	CB-7	2072.73
P-9	12"	H.D.P.E./PVC	31'	0.157	CB-10	2092.22	CB-9	2087.35
P-10	10"	H.D.P.E./PVC	30'	0.005	CB-11	2092.53	CB-10	2092.38
P-11	24"	H.D.P.E./PVC	32'	0.020	CB-12	2086.98	CB-9	2086.35
P-12	15"	H.D.P.E./PVC	72'	0.109	CB-13	2094.83	CB-12	2086.98
P-13	24"	H.D.P.E./PVC	81'	0.008	CB-14	2087.63	CB-12	2086.98
P-14	10"	H.D.P.E./PVC	30'	0.010	CB-15	2092.04	CB-14	2091.74
P-15	24"	H.D.P.E./PVC	52'	0.015	CAPPED	2088.51	CB-14	2087.73
P-16	15"	H.D.P.E./PVC	141'	0.080	CB-16	2106.06	CB-13	2094.83
P-17	10"	H.D.P.E./PVC	30'	0.005	CB-17	2106.88	CB-16	2106.73
P-18	15"	H.D.P.E./PVC	150'	0.080	CB-18	2118.92	CB-16	2106.06
P-19	10"	H.D.P.E./PVC	30'	0.005	CB-19	2119.74	CB-18	2119.59
P-20	12"	H.D.P.E./PVC	145'	0.086	CB-20	2130.85	CB-18	2119.17
P-21	8"	H.D.P.E./PVC	30'	0.005	CB-21	2131.67	CB-20	2131.52
P-22	12"	H.D.P.E./PVC	158'	0.067	CB-22	2141.50	CB-20	2130.85
P-23	8"	H.D.P.E./PVC	35'	0.030	CB-23	2143.23	CB-22	2142.17
P-24	12"	H.D.P.E./PVC	25'	0.048	CAPPED	2142.70	CB-22	2141.50
P-25	12"	D.I.	23'	0.004	CB-2	2147.09	POND	2147.00
P-26	12"	H.D.P.E./PVC	125'	0.032	CB-24	2096.22	CB-9	2092.22

NOTE: For CB Type 1, see Spokane County Standard Plan B-4
For Metal Frame, Type 1 see Spokane County Standard Plan B-10
For Metal Frame, Type 2 see Spokane County Standard Plan B-11
For Metal Grate, Type 1 see Spokane County Standard Plan B-12
For Metal Grate, Type 3 see Spokane County Standard Plan B-14
For WSDOT Catch Basin Type 2, see WSDOT Standard Plan B-10.20-01
For WSDOT Rectangular Frame, see WSDOT Standard Plan B-30.10-01
For WSDOT Rectangular Vaned Grate, see WSDOT Standard Plan B-30.30-01
For WSDOT Rectangular Bi-Directional Vaned Grate, see WSDOT Standard Plan B-30.40-01

STORM DRAINAGE SYSTEM: CATCH BASINS

NAME	LOCATION	STRUCTURE & GRATE TYPE SPOKANE COUNTY & DOT STDS.	GRATE ELEV.	SUMP ELEV.	INVERT ELEVATIONS
CB-1	TIMBERLANE 10+02 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2049.03	2045.80	IE OUT(8"SW) = 2047.31
CB-2	TIMBERLANE 10+02 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2049.03	2045.59	IE IN (8"NE) = 2047.19 IE OUT (12"SW) = 2047.09
CB-3	TIMBERLANE 11+56.73 Rt.	CATCH BASIN 54" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR VANED GRATE (WSDOT)	2053.03	2045.44	24" IN FROM NE (P-2) = 2047.44 24" OUT TO SW (P-3) = 2047.44
CB-4	TIMBERLANE 11+56.73 Lt.	CATCH BASIN 54" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR VANED GRATE (WSDOT)	2053.03	2046.05	24" IN FROM SE (P-4) = 2048.05 24" OUT TO SW (P-2) = 2048.05
CB-5	TIMBERLANE 13+50 Rt.	CATCH BASIN 54" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR VANED GRATE (WSDOT)	2065.33	2058.67	24" IN FROM EAST (P-6) = 2060.67 8" IN FROM NORTH (P-5) = 2061.83 24" OUT TO NW (P-4) = 2060.67
CB-6	TIMBERLANE 13+50 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2065.33	2060.48	8" OUT TO SOUTH (P-5) = 2061.98
CB-7	LIMERICK 15+00 Rt.	CATCH BASIN 54" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR VANED GRATE (WSDOT)	2077.33	2070.73	24" IN FROM NE (P-8) = 2072.73 8" IN FROM NORTH (P-7) = 2073.90 24" OUT TO WEST (P-6) = 2072.73
CB-8	LIMERICK 15+00 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2077.33	2072.55	8" OUT TO SOUTH (P-7) = 2074.05
CB-9	LIMERICK 17+33.69 Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR VANED GRATE (WSDOT)	2093.52	2084.35	12" IN FROM EAST (P-9) = 2087.35 24" IN FROM NORTH (P-11) = 2086.35 24" OUT TO SW (P-8) = 2086.35
CB-10	SONORA 18+54.01 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2096.11	2090.72	10" IN FROM NE (P-10) = 2092.38 12" IN FROM EAST (P-26) = 2092.22 12" OUT TO WEST (P-9) = 2092.22
CB-11	SONORA 18+79.76 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 2 GRATE TYPE 3	2096.00	2091.03	10" OUT TO SW (P-10) = 2092.53
CB-12	LIMERICK 17+43.40 Lt.	CATCH BASIN 54" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR VANED GRATE (WSDOT)	2094.02	2084.98	15" IN FROM NORTH (P-13) = 2086.98 24" IN FROM NE (P-12) = 2086.98 24" OUT TO SOUTH (P-11) = 2086.98
CB-13	LIMERICK 18+14.26 Lt.	CATCH BASIN 48" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR VANED GRATE (WSDOT)	2098.33	2092.83	15" IN FROM NE (P-16) = 2094.83 15" OUT TO SW (P-12) = 2094.83
CB-14	SONORA 17+58.11 Rt.	CATCH BASIN 48" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR BI-DIRECTIONAL VANED GRATE (WSDOT)	2095.04	2085.63	24" IN FROM NORTH (P-15) = 2087.73 10" IN FROM EAST (P-14) = 2091.74 24" OUT TO SOUTH (P-13) = 2087.63
CB-15	SONORA 17+58.11 Lt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 2 GRATE TYPE 3	2095.04	2090.54	10" OUT TO WEST (P-14) = 2092.04
CB-16	LIMERICK 19+74.28 Lt.	CATCH BASIN 48" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR VANED GRATE (WSDOT)	2110.76	2104.06	15" IN FROM NE (P-18) = 2106.06 10" IN FROM SE (P-17) = 2106.73 15" OUT TO SW (P-16) = 2106.06
CB-17	LIMERICK 19+74.28 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2110.76	2105.38	10" OUT FROM NW (P-17) = 2106.88
CB-18	LIMERICK 21+36.01 Lt.	CATCH BASIN 48" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR VANED GRATE (WSDOT)	2123.62	2116.92	12" IN FROM NE (P-20) = 2119.17 10" IN FROM SE (P-19) = 2119.59 15" OUT TO SW (P-18) = 2118.92
CB-19	LIMERICK 21+36.01 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2123.82	2118.24	10" OUT TO NW (P-19) = 2119.74
CB-20	LIMERICK 22+85.10 Lt.	CATCH BASIN 48" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR VANED GRATE (WSDOT)	2135.55	2128.85	8" IN FROM SE (P-21) = 2131.52 12" IN FROM NE (P-22) = 2130.85 12" OUT TO SW (P-20) = 2130.85
CB-21	LIMERICK 22+85.10 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2135.55	2130.17	8" OUT TO NW (P-21) = 2131.67
CB-22	LIMERICK 24+47.72 Lt.	CATCH BASIN 48" TYPE 2 (WSDOT) RECTANGULAR FRAME (WSDOT) RECTANGULAR VANED GRATE (WSDOT)	2146.20	2139.50	8" IN FROM SE (P-23) = 2142.17 12" IN FROM NE (P-24) = 2141.50 12" OUT TO SW (P-22) = 2141.50
CB-23	LIMERICK 24+64.51 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2147.12	2141.73	8" OUT TO NW (P-23) = 2143.23
CB-24	SONORA 20+11.57 Rt.	CATCH BASIN TYPE 1 METAL FRAME TYPE 1 GRATE TYPE 1	2101.04	2094.72	12" OUT TO NW (P-26) = 2096.22

CALL BEFORE YOU DIG 811

City of Spokane Valley Development Engineering
Reviewer: ______
New Street Was Public: ______
☐ Not Reviewed
☐ Reviewed for Conformance to Street Standards and accepted per Chapter 1.2.
Date Accepted: ______
Acceptance Comments:

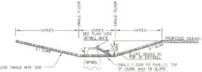
ECR-2015-0026

TIMBERLANE POND NOTE:
TIMBERLANE POND AND IT'S STRUCTURES SHALL BE MAINTAINED BY THE TIMBERLANE TERRACE HOMEOWNERS ASSOCIATION. THE CITY OF SPOKANE VALLEY ACCEPTS NO RESPONSIBILITY FOR MAINTAINING THE DRAINAGE FACILITIES.

NOTES
- PER SPOKANE REGIONAL STORMWATER MANUAL METHODS, A QUALIFIED LICENSED ENGINEER SHALL EVALUATE, CLASSIFY AND DOCUMENT THE SOILS IN THE EXCAVATED DRYWELL INFILTRATION ZONE AND ESTIMATE THEIR INFILTRATION RATE PRIOR TO INSTALLATION OF THE FILTER FABRIC, DRAINAGE ROCK OR DRYWELL BARREL AND SHALL SUBMIT A COPY OF THE DOCUMENTATION TO THE CITY OF SPOKANE VALLEY DEVELOPMENT ENGINEERING. IF THE ENGINEER DETERMINES THAT THE SOILS IN THE DRYWELL INFILTRATION ZONE WILL BE UNSUITABLE OR INCAPABLE OF INFILTRATING STORM WATER AT THE DESIGN FLOW RATE THAT A CONDITION EXISTS PREVENTING THE DRYWELL FROM FUNCTIONING AS DESIGNED, THE DESIGN ENGINEER SHALL BE NOTIFIED AND THE DESIGN REVISED TO MEET EXISTING CONDITIONS. ANY REVISIONS TO THE DESIGN SHALL BE SUBMITTED TO THE CITY OF SPOKANE VALLEY FOR REVIEW AND ACCEPTANCE.
- CONSTRUCTION OF EVERY DRYWELL, INCLUDING FABRIC AND DRAINROCK, SHALL BE OBSERVED BY THE ON-SITE INSPECTOR TO CONFIRM THAT IT MEETS THE DESIGN DETAILS AND SPECIFICATIONS. DRYWELLS NOT OBSERVED SHALL HAVE THEIR PERFORMANCE VERIFIED BY A FULL-SCALE DRYWELL TEST.

TIMBERLANE POND

SPOKANE VALLEY STREET STANDARD PLAN NO. S-130
NOT TO SCALE



NOTE : SWALE FLOOR ELEVATION ON PLAN IS TOP OF SOD.

NOTE : ALL DRYWELLS SHALL BE INSTALLED WITH FILTER (AMOCO #4545 OR APPROVED EQUAL) BETWEEN THE DRAIN ROCK AND EXCAVATED LATERAL GROUND.

NOTE : TO COLLECT SEDIMENT, A 4'X4' (MIN.) PIECE OF FILTER FABRIC SHALL BE PLACED BETWEEN THE DRYWELL RING AND COVER WHEN THE DRYWELL IS INSTALLED, THEN CHECKED PERIODICALLY AND CLEANED OF SEDIMENT. ONCE GRASS HAS BEEN ESTABLISHED IN THE DRAINAGE SWALE, THE FABRIC SHALL BE REMOVED. SEE DETAIL ON EROSION AND SEDIMENT CONTROL SHEET.

NOTE: FOR SWALES AND PONDS, THE TOP 12" OF SOIL SHALL CONSIST OF A THOROUGHLY BLENDED MIX OF 50% COMPOST WITH 50% NATIVE SOILS

STORMWATER / STREET - PROJECT LEGEND

2010 SPOKANE COUNTY ROAD STANDARDS

1. CONSTRUCT CONCRETE TYPE "B" CURB, SPO. CO. STDS. SHEET A-3
2. CONSTRUCT DESIGN "A" CURB RAMP, SPO. CO. STDS. SHEET A-5
3. CONSTRUCT 5' WIDE CONCRETE SIDEWALK, SPO. CO. STDS. SHEET A-1
4. STREET MONUMENT TO BE SET BY SIMPSON ENGINEERS
5. SAWCUT EXISTING ASPHALT (CURB TO CURB) 16' NORTHWEST OF PROPERTY LIMITS, APPROXIMATELY 1' NORTHWEST OF EXISTING EDGE OF PAVEMENT. INSTALL NEW STREET SECTION TO MATCH PROPOSED TIMBERLANE DRIVE STREET SECTION.
6. BLEND ASPHALT FROM SAWCUT LINE TO PROPOSED EDGE OF TIMERBERLANE DRIVE WHILE MAINTAINING EXISTING DRAINAGE PATH TO THE NORTHWEST.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1950B
DATE ACCEPTED: 06-16-15
ACCEPTANCE EXPIRES: 06-16-17
PROJECT LANE MILES PUBLIC: .30
PROJECT LANE MILES PRIVATE: Ø
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

RIP RAP DETAIL

PER SPOKANE REGIONAL STORMWATER MANUAL 8.3.3
FILTER FABRIC SHALL BE INSTALLED UNDER ROCK

D_{50} : Diameter of rock, for which 50% of the particles are finer
D_{100} : Maximum particle size
D_{min} : Minimum particle size
D_{15} : Diameter of rock, for which 15% of the particles are finer
T : Minimum thickness

RIP RAP-1	RIP RAP-2
3D = 6'	3D = 3'
L = 42'	L = 8'
W = 23'	W = 11'
D_{50} = 6"	D_{50} = 1/2"
D_{100} = 9"	D_{100} = 5/8"
D_{min} = 1-1/2"	D_{min} = 1/8"
D_{15} = 1/4"	D_{15} = 1/4"
T = 12"	T = 12"

BM: Brass Cap #2227
South side of 32nd Avenue
just East of Man o' War Court
ELEV. 2026.53

BY	DATE	REVISIONS / AS BUILT
MCP	6-12-2015	MYLAR PLANS TO SPOKANE COUNTY AND APPROVAL PLANS TO CITY OF SPOKANE VALLEY

DATUM — TBM NO.: ; ELEVATION: 2160.43 NAVD29*; LOCATION: TOP 1/2" REBAR CL CONKLIN & GALWAY
* ADD 3.6 TO ALL ELEVATIONS FOR NAVD 88 DATUM

SCALE — HORIZONTAL: 1"=60'; VERTICAL:

DRAWN: M. C. PHILLIPS — DATE: 6/12/2015
CHECKED:
APPROVED:

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

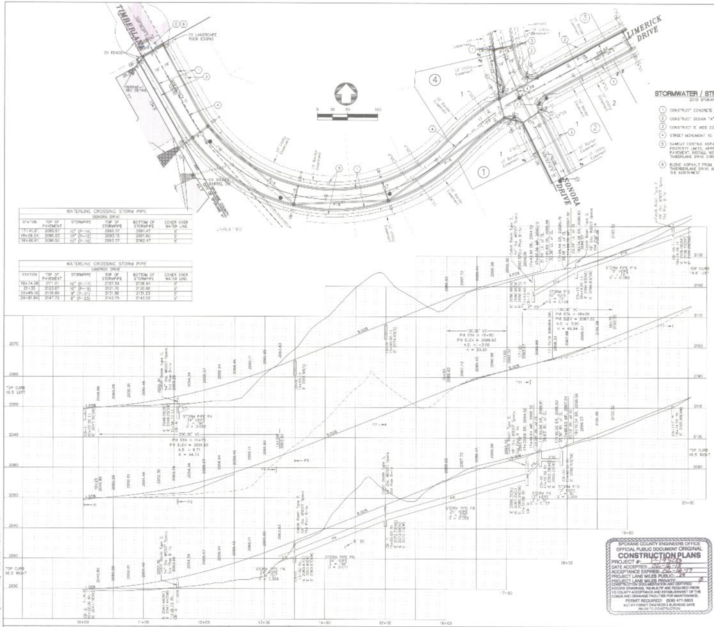
TYPE OF IMPROVEMENT: DRAINAGE

PROJECT NUMBER: 13628 — SHEET NUMBER: 3 OF 6

TIMBERLANE TERRACE 3RD ADD.

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

STORMWATER DRAINAGE PLAN



WATERLINE CROSSING STORM PIPE					
SONORA DRIVE					
STATION	TOP OF PAVEMENT	STORMPIPE	TOP OF STORMPIPE	BOTTOM OF STORMPIPE	COVER OVER WATER LINE
17+41.21	2095.57	10" (P-14)	2092.37	2091.47	5'
18+28.24	2096.03	15" (P-12)	2093.15	2091.60	5'
18+80.61	2096.52	10" (P-10)	2093.37	2092.47	5'

WATERLINE CROSSING STORM PIPE					
LIMERICK DRIVE					
STATION	TOP OF PAVEMENT	STORMPIPE	TOP OF STORMPIPE	BOTTOM OF STORMPIPE	COVER OVER WATER LINE
19+74.38	2111.01	10" (P-17)	2107.34	2106.44	5'
21+35	2123.87	10" (P-19)	2121.70	2120.80	5'
22+85.10	2135.80	8" (P-21)	2131.90	2131.23	5'
24+61.84	2147.72	8" (P-23)	2143.75	2143.02	5'

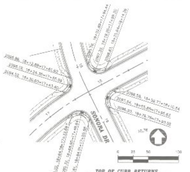
STORMWATER / STREET - PROJECT LEGEND

2010 SPOKANE COUNTY ROAD STANDARDS

1. CONSTRUCT CONCRETE TYPE "B" CURB, SPO. CO. STDS. SHEET A-3
2. CONSTRUCT DESIGN "A" CURB RAMP, SPO. CO. STDS. SHEET A-5
3. CONSTRUCT 5' WIDE CONCRETE SIDEWALK, SPO. CO. STDS. SHEET A-1
4. STREET MONUMENT TO BE SET BY SIMPSON ENGINEERS
5. SAWCUT EXISTING ASPHALT (CURB TO CURB) 16' NORTHWEST OF PROPERTY LIMITS, APPROXIMATELY 1' NORTHWEST OF EXISTING EDGE OF PAVEMENT. INSTALL NEW STREET SECTION TO MATCH PROPOSED TIMBERLANE DRIVE STREET SECTION.
6. BLEND ASPHALT FROM SAWCUT LINE TO PROPOSED EDGE OF TIMBERBERLANE DRIVE WHILE MAINTAINING EXISTING DRAINAGE PATH TO THE NORTHWEST

STREET SIGN NOTES:

1. INSTALL STREET SIGN PER SPOKANE COUNTY STD. PLAN NO. A-16, A-16A, & A-16B
2. INSTALL TYPE II BARRICADE AT END OF TEMPORARY TURNAROUND



TOP OF CURB RETURNS
SONORA & LIMERICK

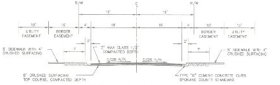
LINE TABLE		
LINE	LENGTH	BEARING
L1	10.72	N26°23'16"W(R)

FACE OF CURB CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
FC1	34.08	20.00	22.88	97°37'40"
FC2	30.78	20.00	19.37	88°10'20"
FC3	34.11	20.00	22.89	97°42'41"
FC4	27.84	20.00	16.71	79°45'20"

CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	516.55	275.00	107°37'23"	376.90
C2	135.85	410.00	18°57'22"	68.45
C3	355.73	550.00	37°03'27"	184.33
C4	125.46	300.00	23°57'43"	63.66
C5	480.88	256.00	107°37'23"	349.92
C6	538.09	294.00	104°51'57"	382.22
C7	34.23	20.96	88°04'09"	23.04
C8	30.78	20.00	88°10'20"	19.37
C9	34.33	20.00	98°20'24"	23.15
C10	27.62	20.00	79°08'16"	16.53

LEGEND

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: [illegible]
DATE ACCEPTED: 06-16-15
ACCEPTANCE EXPIRES: 06-16-17
PROJECT LANE MILES PUBLIC: .29
PROJECT LANE MILES PRIVATE: 0
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



TYPICAL ROAD SECTION

NOT TO SCALE

BY	DATE	REVISIONS / AS BUILT
MCP	6-12-2015	MYLAR PLANS TO SPOKANE COUNTY AND APPROVAL PLANS TO CITY OF SPOKANE VALLEY

DATUM — TBM NO.; ELEVATION 2189.43 NAVD29*; LOCATION TOP 1/2" REBAR CL CONKLIN & GALWAY

SCALE — HORIZONTAL 1"=50'; VERTICAL 1"=10'

DRAWN MC PHILLIPS — DATE 6/12/2015
CHECKED
APPROVED

* ADD 3.8 TO ALL ELEVATIONS FOR NAVD 88 DATUM

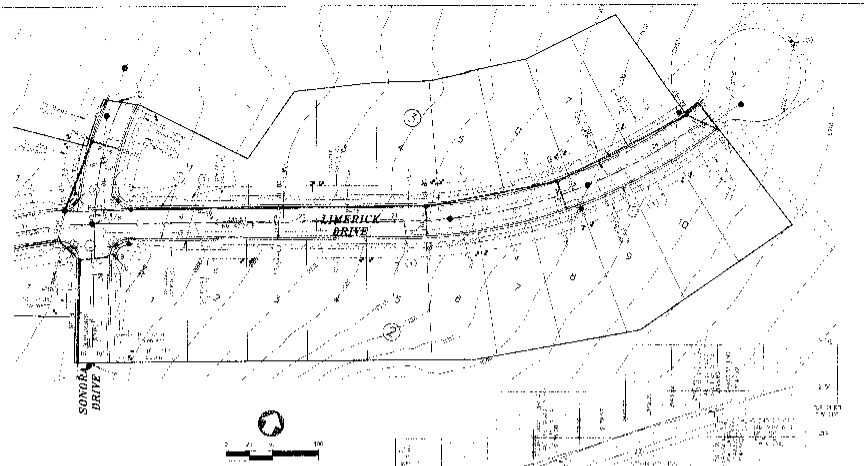
Founded 1946
Simpson Engineers, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
N. 909 ARGONNE ROAD, SPOKANE VALLEY WA, 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323

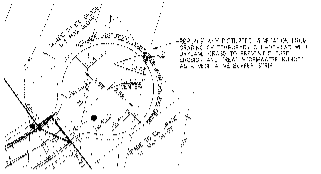
TYPE OF IMPROVEMENT: STREET
PROJECT NUMBER: 13628
SHEET NUMBER: 4 OF 6

TIMBERLANE TERRACE 3RD ADDITION

PLAN-PROFILE: TIMBERLANE DRIVE - LIMERICK DRIVE
STATION 10+00 TO 19+10
THE SW 1/4 OF SEC.25, T25N, R44 EWM
SPOKANE COUNTY, WASHINGTON

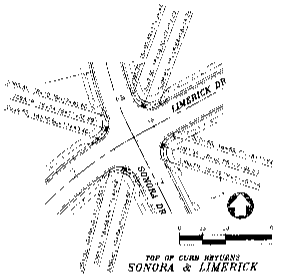
CALL BEFORE YOU DIG 456-8000





STORMWATER / STREET - PROJECT LEGEND

STREET SIGN NOTES:



LINE TABLE

LINE	LENGTH	BEARING

FACE OF CURB CURVE TABLE

CURVE	LENGTH	RADIUS	ANGLE	DELTA

CURVE TABLE

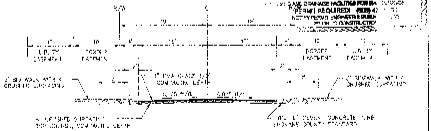
CURVE	LENGTH	RADIUS	DELTA	TANGENT

STA	OFFSET	ELEVATION	STA	OFFSET	ELEVATION

STA	OFFSET	ELEVATION	STA	OFFSET	ELEVATION

SPOKANE COUNTY ENGINEER
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED
ACCEPTANCE EXPIRES
HOUSE / LANE MILES PUBLIC
HOUSE / LANE MILES PRIVATE
THIS DRAWING MEETS THE STANDARDS OF THE SPOKANE COUNTY ENGINEER AND IS ACCEPTED FOR CONSTRUCTION. ACCEPTANCE EXPIRES ONE YEAR FROM DATE ACCEPTED. THE DRAWING MEETS THE STANDARDS OF THE SPOKANE COUNTY ENGINEER AND IS ACCEPTED FOR CONSTRUCTION. ACCEPTANCE EXPIRES ONE YEAR FROM DATE ACCEPTED. THE DRAWING MEETS THE STANDARDS OF THE SPOKANE COUNTY ENGINEER AND IS ACCEPTED FOR CONSTRUCTION. ACCEPTANCE EXPIRES ONE YEAR FROM DATE ACCEPTED.
SPOKANE COUNTY ENGINEER

LEGEND



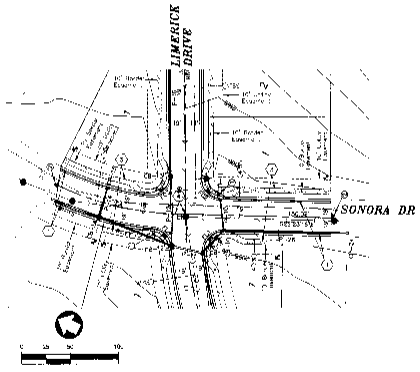
TYPICAL ROAD SECTION

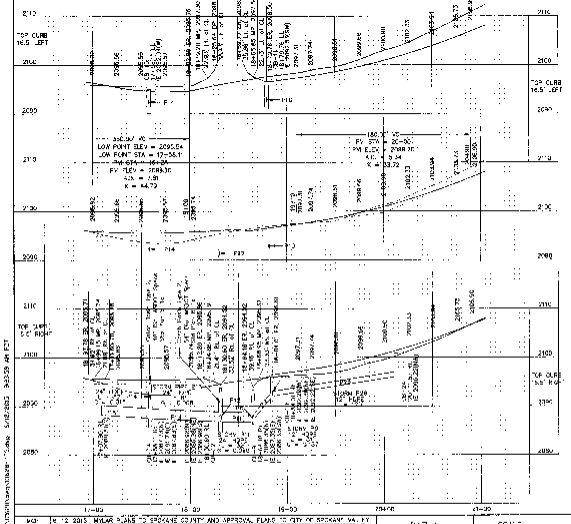
Sampson Engineers, Inc.

STREET

136.02

TIMBERLANE TERRACE 3RD ADDITION
PLAN-PROFILE, LIMERICK DRIVE
STATION 19+00 TO 25+00
THE SW 1/4 OF SEC 26, T25N, R44 EWM
SPOKANE COUNTY, WASHINGTON





WATERLINE CROSSING STORM PIPE SONORA DRIVE					
STATION	TOP OF PAVEMENT	STORMPIPE	TOP OF STORMPIPE	BOTTOM OF STORMPIPE	DOWN DWN WATER INT.
17+27.34	2096.27	18" (W=18")	2092.27	2090.60	5
18+27.34	2096.03	18" (W=18")	2092.03	2090.60	5
18+83.16	2096.29	18" (W=18")	2092.29	2090.60	5

WATERLINE CROSSING STORM PIPE LIMERICK DRIVE					
STATION	TOP OF PAVEMENT	STORMPIPE	TOP OF STORMPIPE	BOTTOM OF STORMPIPE	DOWN DWN WATER INT.
21+27.48	2101.01	18" (W=18")	2107.50	2105.44	6
21+32	2102.87	18" (W=18")	2111.70	2109.60	6
22+83.16	2107.49	18" (W=18")	2109.90	2107.20	6
23+83.16	2107.73	18" (W=18")	2109.70	2106.50	6

STORMWATER / STREET – PROJECT LEGEND

2010 SPOKANE COUNTY ROAD STANDARDS

1. CONSTRUCT CONCRETE TYPE "B" CURB, SPC CO. STDS. SHEET A-1
2. CONSTRUCT DESIGN "K" CURB RAMP, SPC CO. STD. SHEET A-5
3. CONSTRUCT 4' WIDE CONCRETE SIDEWALK, SPC. CO. STDS. SHEET A-1
4. STREET MONUMENT TO BE SET BY SUMPSER ENGINEERS

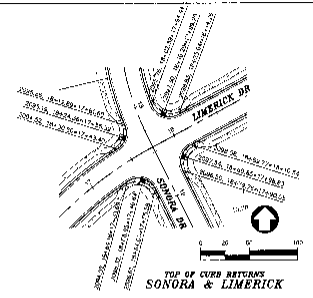
STREET SIGN NOTES:

1. INSTALL STREET SIGN PER SPOKANE COUNTY STD. DWG. NO. 2-15, & 16 & 4-158
2. INSTALL TYPE I BARRICADE AT END OF "TEMPORARY" STORMSEWER

LEGEND

- Fire Hydrant
- Street Name Sign
- Sanitary Sewer Manhole (Proposed)
- Sanitary Sewer Manhole (Existing)
- Catch Basin
- 2095 — Proposed Finished Grade Contour
- Easement
- Easement
- Centerline Street
- Waterline
- Sanitary Sewer (Proposed)
- Sanitary Sewer (Existing)
- Storm Storage Area

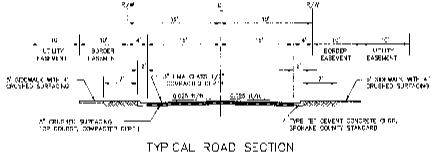
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 17-0408
DATE ACCEPTED: 12-26-17
ACCEPTANCE EXPIRES: 12-26-19
PROJECT LANE MILES PUBLIC: 1.2
PROJECT LANE MILES PRIVATE: 0
CONDITIONS OF ACCEPTANCE HAVE BEEN MET AND RECORD DRAWINGS, VIDEO AND AS BUILTS ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND 50% OF BONDS OF THE ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED (509) 477-3690
NOTIFY PERMITTING AND 48 HOURS PRIOR TO CONSTRUCTION



LINE TABLE		
LINE	LENGTH	BEARING
L1	3.73	N26°31'16"W

FACE OF CURB CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
FC1	34.96	20.00	22.80	100°12'12"
FC2	31.16	20.00	19.97	89°21'01"
FC3	34.11	20.00	22.83	97°42'47"
FC4	22.54	20.00	16.11	64°32'27"

CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	316.57	272.85	70°25'23"	179.00
C2	138.54	440.00	18°02'22"	69.90
C3	293.13	330.00	50°53'07"	158.13
C4	125.66	300.00	23°59'45"	63.96
C5	480.65	256.03	107°57'37"	348.67
C6	558.09	784.00	40°47'07"	292.42
C7	34.24	27.00	69°34'03"	20.04
C8	20.78	20.00	59°30'30"	11.37
C9	34.23	20.00	98°27'24"	23.73
C10	27.03	20.00	77°40'13"	16.01



TYPICAL ROAD SECTION

NOT TO SCALE

MAY 14, 2015 MINOR CHANGES SPOKANE COUNTY AND APPROVAL PLANS TO CITY OF SPOKANE VA. 17	DATUM	SCALE		DATE
	PW NO.	HORIZONTAL 1"=50'	DRAWN JC R4 FS	5/12/2016
	DIRECTOR	SHEET NO.	VERTICAL 1"=10'	SHEET
	LOCATION	10" X 22" PLAN OR CONCRETE & CRUSHED		APPROVED
BY DATE	REVISIONS / AS BUILT	* ADD AS TO ALL BLOCKS HAS BEEN MADE BY DATUM		

Sampson Engineers, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
N. 909 ARGONNE ROAD, SPOKANE VALLEY, WA. 99212
PHONE (509) 926-1087 FAX (509) 926-1383

TYPE OF IMPROVEMENT: STREET

PROJECT NUMBER	SHEET NUMBER
13628	6 OF 6

TIMBERLANE TERRACE 3RD ADDITION

PLAN-PROFILE: SONORA DRIVE

STATION 17+00 TO 21+00

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

SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456-8000