SOUTHRIDGE P.U.D., PHASE 2A

COVER SHEET
STREET AND DRAINAGE PLANS

SEC. 35, T.25 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE **SPOKANE COUNTY** REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY THE **SPOKANE COUNTY** INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.

2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE **SPOKANE COUNTY** INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.

4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH **SPOKANE COUNTY** AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION, AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.

5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND ONE (1) COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO: EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.

7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.

8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.

9. FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY **SPOKANE COUNTY**, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL. PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH **SPOKANE COUNTY**.

10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.

11. PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE **SPOKANE COUNTY** INSPECTOR AT ALL TIMES.

13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.

14. ALL EROSION AND SEDIMENT CONTROL **(E.S.C.)** MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL **E.S.C.** MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.

15. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.

16. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE **SPOKANE COUNTY** ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.

17. ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY **SPOKANE COUNTY.**

18. BASED ON REQUIREMENTS FROM **SPOKANE COUNTY**, THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWINGS TO THE **SPOKANE COUNTY** ENGINEER.

19. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT APPROVAL OF THE **SPOKANE COUNTY** ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.

20. ON-SITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED **GRADING PLAN** AND **E.S.C.** 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 **509-477-3675.** GRADING ON THIS SITE OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO, GRADING PERMITS, S.E.P.A. REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOOD PLAINS, DESIGNATED DRAINAGE WAYS, ETC.

ABBREVIATIONS

ACT. LEN.	ACTUAL LENGTH	GB	GRADE BREAK	PRC	POINT OF REVERSE CURVE
BCR	BEGINNING OF CURVE RADIUS	FT./FT.	FEET PER FOOT	PT	POINT OF TANGENCY
BDRY.	BOUNDARY	HYD.	HYDRANT	RIM EL.	RIM ELEVATION
CO.	SEWER CLEANOUT	I.E.	INVERT ELEVATION	RD	ROAD
CSTC	CRUSHED SURFACE TOP COURSE	LN.	LANE	RT.	RIGHT
CT.	COURT	LT.	LEFT	SI	STREET INTERSECTION
DIA.	DIAMETER	MH	MANHOLE	SS	SANITARY SEWER
ECR	END OF CURVE RADIUS	MCR	MIDDLE OF CURVE RADIUS	STA.	STATION
EXIST.	EXISTING	PC	POINT OF CURVATURE	STA. LEN.	STATION LENGTH
G	GRADE	PET.	PETROLEUM	TG	TOP OF GRATE
		PI	POINT OF INTERSECTION	TC	TOP OF CURB

STREETS
SPOKANE COUNTY ENGINEERS
1026 WEST BROADWAY AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 509-477-3600
FAX: 509-477-7478
CONTACT: MATT ZARECOR, P.E.

TELEPHONE
QWEST
904 NORTH COLUMBUS
SPOKANE, WASHINGTON, 99202
PHONE: 509-455-2580
FAX: 509-455-2104
CONTACT: DAVE CLARK

ENGINEER
WHIPPLE CONSULTING ENGINEERS
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PHONE: 509-893-2617
FAX: 509-926-0227
CONTACT: TODD R. WHIPPLE, P.E.

SEWER
CITY OF SPOKANE
808 W. SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201
PHONE: 509-625-6300
FAX: 509-625-6700
CONTACT: KRIS BECKER, P.E.

NATURAL GAS
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-495-8010
FAX: 509-495-8713
CONTACT: NICOLA BROBRICK

SOLID WASTE
WASTE MANAGEMENT
PHONE: 509-466-3400

WATER PURVEYOR
CITY OF SPOKANE
914 N. FOOTHILLS
SPOKANE, WASHINGTON 99207
PHONE: 509-625-7800
FAX: 509-625-7816
CONTACT: CHRIS PETERSCHMIDT, P.E.

SURVEYOR
CLIFF CAMERON
P.O. BOX 641
COLBERT, WASHINGTON 99005
PHONE: 509-467-0148
CONTACT: CLIFFORD E. CAMERON, P.L.S.

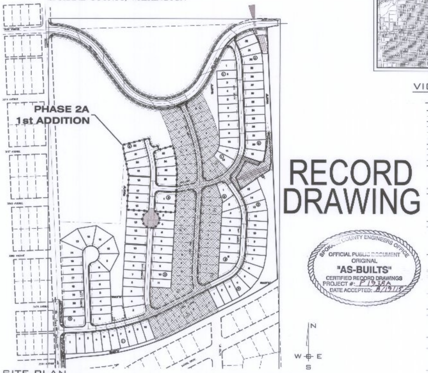
OWNER
LANZCE DOUGLASS, INC
1402 E. MAGNESIUM ROAD
SPOKANE, WA 99217
PHONE: 509-483-4966
FAX: 509-483-6532
CONTACT: LANZCE DOUGLASS

INSPECTION/STREETS
~~ALLWEST~~ IPEC
~~EAST 12928 INDIANA AVENUE~~
~~SPOKANE VALLEY, WA 99216~~
~~PHONE: 509-534-4411~~
~~FAX: 509-534-9326~~
CONTACT: PAUL T. NELSON, P.E.

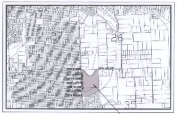
CABLE
COMCAST BROADBAND
1717 EAST BUCKEYE
SPOKANE, WASHINGTON, 99207
PHONE: 509-755-4714
FAX: 509-483-9261
CONTACT: BRYAN RICHARDSON

FIRE DEPARTMENT
FIRE DISTRICT NO. 8
12100 E. PALOUSE HIGHWAY
VALLEYFORD, WA 99036
PHONE: 509-926-6699
FAX: 509-924-8358
CONTACT: LONNIE RASH

POWER
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-495-4889
FAX: 509-777-5236
CONTACT: KELLY DONAHUE



SITE PLAN
1" = 200'



VICINITY MAP

RECORD DRAWING

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1938A
DATE ACCEPTED: 8/19/15

LEGEND

EXISTING	GENERAL	PROPOSED
	ROADWAY CENTER LINE	
	RIGHT OF WAY LINE	
	PROPERTY LINE	
	EASEMENT LINE	
	FENCE	
	CURB	
	PAVEMENT	
	GRAVEL	
	CONCRETE	
	BUILDINGS & STRUCTURES	
	MONUMENT	
	SANITARY SEWER	
	SANITARY SEWER	
	MANHOLE	
	CLEANOUT	
	SEWER SERVICE	
	WATER	
	WATER LINE	
	VALVE	
	FIRE HYDRANT	
	SERVICE	
	METER	
	BLOWOFF	
	AIR VACUUM RELIEF STATION	
	STORM DRAINAGE	
	DRAINAGE LINE	
	MANHOLE	
	DRYWELL	
	CATCH BASIN	
	DITCH	
	NATURAL GAS	
	GAS LINE	
	VALVE	
	METER	
	TELEPHONE-POWER	
	BURIED TELEPHONE	
	POWER OR TELEPHONE POLE	
	BURIED POWER	
	TRANSFORMER PAD	
	TELEPHONE RISER	
	TELEPHONE VAULT	
	OVERHEAD POWER	
	GUY ANCHOR	
	POWER VAULT	
	LIGHT POLE	

PHASE 2A BOUNDARY

PHASE 1

THESE PLANS FOR SOUTHRIDGE PHASE 2 (P1938A) ARE BEING RE-APPROVED FOR THE CONSTRUCTION OF PHASE 2A, SOUTHRIDGE P.U.D.-1ST ADDITION AS A PHASE OF THE OVERALL SOUTHRIDGE PHASE 2

INDEX TO PLAN SHEETS

SHEET NO. 1 COVER
SHEET NO. 2 GRADING PLAN
SHEET NO. 3 DETAILS & INTERSECTION PLANS
~~SHEET NO. 4 MORRILL LANE~~
~~SHEET NO. 5 34TH. LANE~~
SHEET NO. 6 DEARBORN LANE
~~SHEET NO. 7 CUSTER LANE~~
~~SHEET NO. 8 CUSTER LANE~~
SHEET NO. 9 32ND LANE
~~SHEET NO. 10 29TH AVENUE~~
~~SHEET NO. 11 29TH AVENUE~~
~~SHEET NO. 12 29TH AVENUE - STRIPING PLAN~~
~~SHEET NO. 13 29TH AVENUE - STRIPING PLAN~~
~~SHEET NO. 14 HAVANA STREET~~
~~SHEET NO. 15 POND DETAILS~~
~~SHEET NO. 16 EROSION CONTROL PLAN~~
~~SHEET NO. 17 EROSION CONTROL DETAILS~~

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

PAUL T NELSON
STATE OF WASHINGTON
37228
REGISTERED PROFESSIONAL ENGINEER
8-18-15

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.

TODD R. WHIPPLE
STATE OF WASHINGTON
25482
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 9/24/

P-1938

COUNTY DATUM
MONUMENT ID NO. 3394, HWY 395
MO 167.35, CRM NO. GP32395-201
ELEVATION= 1748.382
SPIKE AT C/L OF HAVANA STREET
AND 29TH. AVENUE
ELEVATION= 2298.806

DEVELOPER'S APPROVAL | DATE

NO.	DATE	BY	REVISIONS
	8/06/15		RECORD DRAWING by Inland Pacific Engineering
	09/29	JJK	FINAL PLAN SUBMITTAL
	08/30	RLM	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: N.A.

PROJ #: 2005-175
DATE: 09/29/08
DRAWN: MEK
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PH 509-893-2617 FAX 509-926-0227

STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2A
COVER SHEET
HAVANA STREET AND 29TH. AVENUE
SPOKANE COUNTY, WASHINGTON

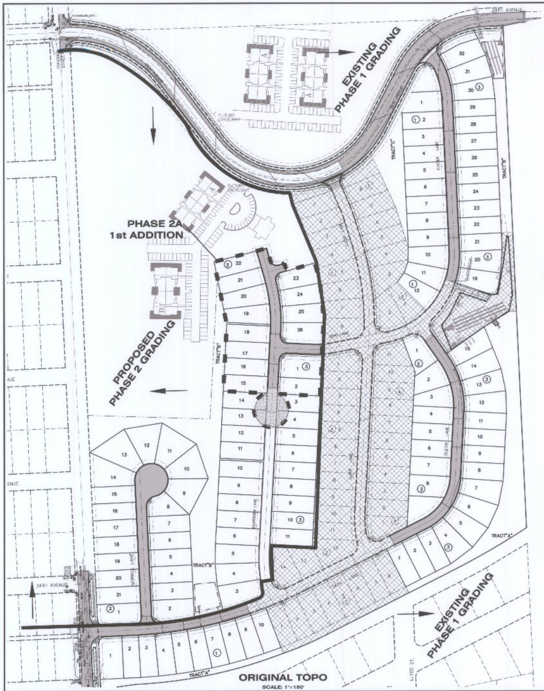
SHEET 1 OF 17

JOB NUMBER 2005-175

SECTION 35, T. 25 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

RECORD DRAWING

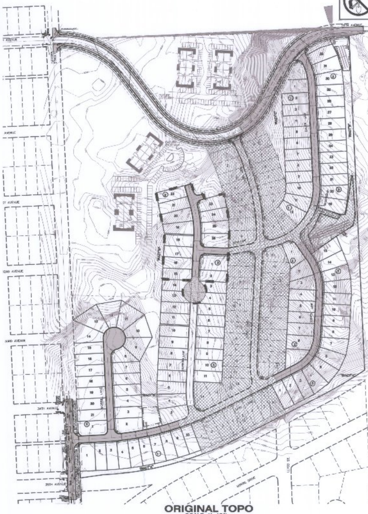


SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1938A
DATE ACCEPTED: 8/19/15

PHASE 2A BOUNDARY

PHASE 1

THESE PLANS FOR SOUTHRIDGE PHASE 2 (P1938A) ARE BEING RE-APPROVED FOR THE CONSTRUCTION OF PHASE 2A, SOUTHRIDGE P.U.D.-1ST ADDITION AS A PHASE OF THE OVERALL SOUTHRIDGE PHASE 2



QUANTITIES:
CUT: 102,680 CY
FILL: 100,568 CY
NET CUT: 2,111 CY

PAUL T NELSON, STATE OF WASHINGTON, 37228, REGISTERED PROFESSIONAL ENGINEER
8-18-15

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.

GRAPHIC SCALE
100 0 50 100 200
(IN FEET)
1 inch = 100 ft.

N
W E
S

P-1938

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #:
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECTS LANE MILES: PUBLIC:
PROJECT LANE MILES PRIVATE:
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

TODD R. WHIPPLE, STATE OF WASHINGTON, 25482, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 9/24/

COUNTY DATUM
MONUMENT ID NO. 3394, HWY 395, MC 157.35, CBM NO. GP32396-201
ELEVATION – 1748.382
SPIKE AT C/L OF HAVANA STREET AND 29TH AVENUE
ELEVATION=2298.606

DEVELOPER'S APPROVAL | DATE

NO.	DATE	BY	REVISIONS
	8/06/15		RECORD DRAWING by Inland Pacific Engineering
	09/29	JJK	FINAL PLAN SUBMITTAL
	08/30	RLM	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: 1" = 100'
VERTICAL: N.A.

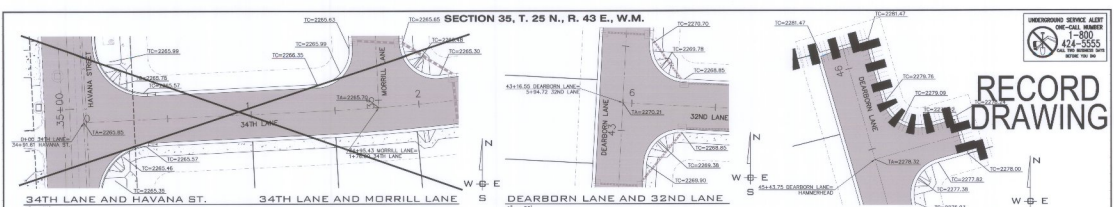
PROJ #: 2005-175
DATE: 10/06/08
DRAWN: MEK
APPROVED: TRW

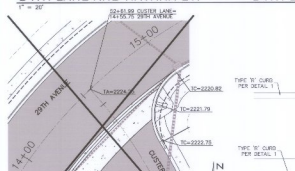
WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2A
GRADING PLAN
HAVANA STREET AND 29TH. AVENUE
SPOKANE COUNTY, WASHINGTON

SHEET 2 OF 17

JOB NUMBER 2005-175





STANDARD NOTES FOR CONSTRUCTION PLANS

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 IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY DAMAGED 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 ENGINEER'S OFFICE.

5. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AMOCO 4545 OR APPROVED EQUIVALENT) BETWEEN THE DRYWELL BARREL AND THE WASHED DRAINROCK, AND BETWEEN THE WASHED DRAINROCK AND THE NATIVE SOILS.

6. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-6000 BEFORE YOU DIG.

7. FOR ANY CURB GRADES LESS THAN 0.08 (0.08 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 CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS-CUTTER FORMS ARE AT THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS-CUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE GUTTER.

9. THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SMALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SMALE, AND THE SIDE SLOPES OF THE SMALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF THE SMALL. THE SMALE SHALL BE FILLED TO WITHIN 6" OF THE GPA OVERFLOW ELEVATION WITH 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 SMALES 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 SMALE FILLER MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.

STORM DRAINAGE NOTES

1. SITE STREET PLAN AND PROFILE SHEETS FOR DRYWELL AND CATCH BASIN TYPES AND LOCATIONS.

2. SWALES SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THESE DRAWINGS INCLUDING DIMENSIONS, SLOPES AND LOCATIONS. ALL SMALES MEANS SWALES SHALL INCLUDE AN IRRIGATION SYSTEM. ALL IRRIGATION SHALL CONFORM TO **SPOKANE COUNTY** SMALE IRRIGATION SYSTEM GUIDELINES.

3. ALL "208" SWALES SHOWN SHALL BE ROUGH GRADED PRIOR TO PAVING OF ADJACENT ROADWAY.

4. CONTRACTOR SHALL PROVIDE **SPOKANE COUNTY** WITH RECORD DRAWINGS OF IRRIGATION PLANS UPON COMPLETION OF ALL SMALE CONSTRUCTION.

5. INSTALL "NWOOD" #4540 FILTER FABRIC (OR APPROVED EQUAL) IN ALL DRYWELLS. SEE **SPOKANE COUNTY** STANDARDS (2001 EDITION) BETWEEN NATIVE SOIL AND GRAVEL ONLY SHEET 8-1a FOR INSTALLATION LOCATIONS.

6. ALL SWALES WITHIN THE COUNTY RIGHT-OF-WAY, IN THE AREA ASSOCIATED WITH THIS PROJECT, SHALL BE COMPLETED DURING THE CONSTRUCTION OF THE ROADWAY. THE CONTRACTOR SHALL PERFORM THE SMALE GRADE WORK, INSTALL THE IRRIGATION SYSTEM, AND PLACE THE SOD WITHIN THE SMALES FOLLOWING THE ROAD PAVING WORK.

7. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL DRAINAGE STRUCTURES FROM SOIL CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC UNDER THE LID FOR AT LEAST 6 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS TAKEN PLACE. IF SILT IS FOUND IN THE DRAINAGE STRUCTURES AFTER THE FABRIC IS INSTALLED, OR AFTER GRASS, THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN OUT TO THE SATISFACTION OF THE CERTIFYING ENGINEER.

8. ALL LANDSCAPE AREAS ("208" SWALES) ARE TO BE IRRIGATED BY AN AUTOMATIC IRRIGATION SYSTEM. THE IRRIGATION SYSTEM SHALL BE DESIGNED BY A LICENSED CONTRACTOR. THE IRRIGATION SYSTEM SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES (90 DAY GUARANTEE). AN APPROVED BACKFLOW DEVICE SHALL BE INSTALLED TO PREVENT WATER FROM GOING BACK INTO THE WATER SUPPLY. CURBING, PAVING, ETC.

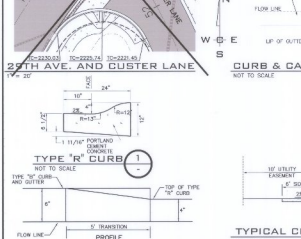
SLEEVING: PROVIDE SLEEVING AS REQUIRED UNDER SIDEWALKS, PATHS, NEEDED FOR IRRIGATION ACCESS. ALL SLEEVING TO BE 4" PVC WITH AT LEAST 12" OF COVER (1) FOOT BELOW FINISH GRADE. THE OWNER/GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING SLEEVING BEFORE CURBING, SIDEWALKS, PAVING, ETC. IS INSTALLED, PATCH ASPHALT AS NEEDED.

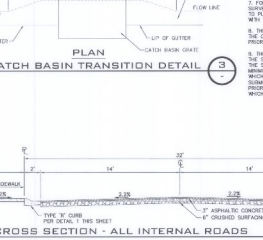
LAWN AREAS: LAWN AREAS ARE TO BE IRRIGATED WITH TORO POP-UP HEADS OR EQUIVALENT. (TEST SYSTEM BEFORE BACKFILLING). ETC. TO PROVIDE UNIFORM

ADJUSTMENT: AFTER INSTALLATION, ADJUST VALVES, HEADS, EMITTERS, COVERAGE AND TO ARRANGE OVER SPRAY ON WALLS, FENCES, WALKS, DRIVES, ETC.

WATER POWER SUPPLY: THE OWNER/GENERAL CONTRACTOR IS TO SUPPLY WATER TAPS FOR HOOK-UP AND SUPPLY POWER FOR CONTROLLER.

9. THE FLOOR OF A GRASSED PERCOLATION AREA (G.P.A.) SMALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SMALE, AND THE SIDE SLOPES OF THE SMALE UP TO THE G.P.A. OVERFLOW ELEVATION OR TOP OF THE SMALL. THE SOIL LOCATED IN THE FLOOR OF THE G.P.A. SMALE SHALL BE A MEDIUM TO WELL-DRAINING MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL G.P.A. SMALES 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 SMALE 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.





OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # P-1936
DATE ACCEPTED 2-8-16

8-18-15

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

OFFICIAL PUBLIC DOCUMENT
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED
ACCEPTANCE EXPIRES
PROJECTS CAN EXPIRE - PUBLIC PROJECTS ARE VALID - PRIVATE PROJECTS ARE VALID
REVIEWED FOR CONFORMANCE WITH CONDITIONS AND DEFINED REVIEW DRAWINGS. "AS-BUILTS" ARE REQUIRED PRIOR TO ISSUANCE OF OCCUPANCY PERMITS FOR BUILDINGS OR TO ACCEPT DEDICATED PUBLIC IMPROVEMENTS. REPORT REQUIRED (YES or) (NO)
NOTE: THIS DOCUMENT CONTAINS 1 PAGE(S) AND 1 SHEET(S) OF PLANS

P-1936

NO	DATE	BY	REVISIONS
	6/06/13		RECORD DRAWINGS by Inland Pacific Engineering
1	08/09	JJR	FINAL PLAN SUBMITTAL
0	06/08	RLM	ORIGINAL PLAN PREPARATION

COUNTY DATUM
MONUMENT ID NO. 3384 - WAY 386
N.A.D. 1983 (1991) NORTH 120SSRS 2500
N 1-1/4" BRASS TUBE
SHALL IC CA OF HAVANA STREET
ANGLEPTS: RIGHT
ELEVATION: 2356.696

DEVELOPERS APPROVAL DATE

SCALE:	PROJ #: 2006-175
HORIZONTAL: AS SHOWN	DATE: 05/29/08
VERTICAL: N.A.	DRAWN: MEK
	APPROVED: TRW

WCE
WHITE CRESCENT ENGINEERING
CIVIL AND WATER RESOURCE ENGINEERS
25 WEST MAIN, SUITE 100
SPOKANE, WASHINGTON 99201
PH: 509-838-9417 FAX: 509-838-9513

STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2A
DETAILS & INTERSECTION PLANS
HAVANA STREET AND 29TH AVENUE
SPOKANE COUNTY, WASHINGTON

STATE OF WASHINGTON
TRAVIS R. WHITE
EXPIRES 6/30/

SHEET
3 OF 17

JOB NUMBER:
2006-175

RECORD DRAWING

SECTION 35, T. 25 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
(ALL TRIBES NOT ON ONE-CALL SYSTEM: 509-458-3110)

CONSTRUCTION NOTES

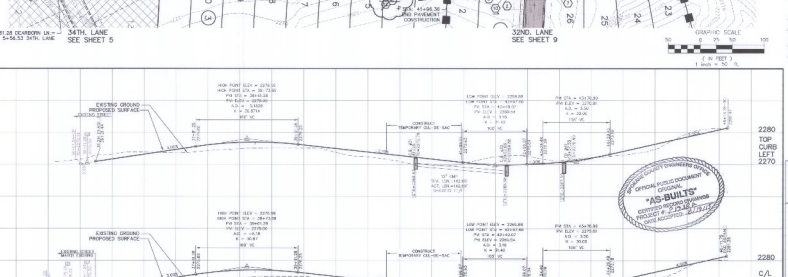
1. PROVIDE AND INSTALL 4" CONC PER DETAIL 1, SHEET A-
2. PROVIDE AND INSTALL ADA CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
3. PROVIDE AND INSTALL 6" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
4. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND SECTION SHEET 2.
6. PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 2 FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-12. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
7. PROVIDE AND INSTALL 12" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS.
8. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
9. SAWCUT, TACK AND MATCH EXISTING ASPHALT PER SPOKANE COUNTY STANDARDS.
10. PROVIDE AND INSTALL 15" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILE FOR LENGTH AND SLOPE.
11. PROVIDE AND INSTALL 12" DI STORM PIPE PER SPOKANE COUNTY STANDARDS.
12. PROVIDE AND INSTALL SOLID TEMPORARY LID COVER AND ADJUSTMENT RINGS OVER CATCH BASIN

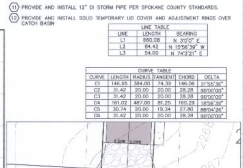
LINE TABLE

LINE	LENGTH	BEARING
L1	550.08	N 2°27' E
L2	84.42	N 15°56'34" W
L3	54.00	N 74°22' E

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	146.85	384.00	74.39	146.06	21°55'30"
C2	31.42	20.00	20.00	28.28	90°00'00"
C3	31.42	20.00	20.00	28.28	90°00'00"
C4	31.42	20.00	20.00	28.28	90°00'00"
C5	30.74	20.00	19.34	27.80	88°04'24"
C6	31.42	20.00	20.00	28.28	90°00'00"





TEMPORARY CUL-DE-SAC DETAIL
SCALE: 1" = 20'

"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # 2006-175
DATE ACCEPTED 8/28/2017
COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT

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

8-18-16

EXPIRES: 6/30/

COUNTY DATUM
MONUMENT D.N.C. (24) FWD (26)
MC 97.25, GRID NO. SP0305.00
SPOKANE COUNTY DATUM
SPELLING IS CENTER OF STATION
AND STATE AGENCY
ELEVATION: 2296.605

DEVELOPERS APPROVAL

DATE

NO.	DATE	BY	REVISIONS
	8/30/12		RECORD DRAWING by Inland Pacific Engineering
	09/28	JJR	FINAL PLAN SUBMITTAL
	06/30	RLM	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

PROJ #: 2006-175
DATE: 09/28/08
DRAWN: MEK
APPROVED: TRW

WCE
WHITE CRESCENT ENGINEERING
1201 W. PARKWOOD ROAD, SPOKANE 99218
PH 509-326-2127 FAX 509-326-9251

P-1938

STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2A
DEARBORN LANE STA. 35+61.28 TO STA. 46+13.75
SPOKANE COUNTY, WASHINGTON

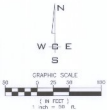
SHEET
6 OF 17

JOB NUMBER
2006-175

SECTION 35, T. 25 N., R. 43 E., W.M.

RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL THREE WORKING DAYS BEFORE YOU DIG



CONSTRUCTION NOTES

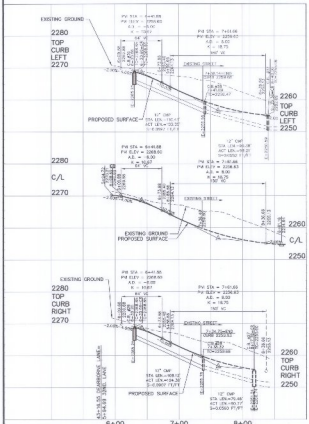
1. PROVIDE AND INSTALL TYPE 1 CATCH BASIN PER DETAIL 1, SHEET 3.
2. PROVIDE AND INSTALL DEPRESSED CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
3. PROVIDE AND INSTALL 6" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
4. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND DETAIL 1 SHEET 3.
6. PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 2 FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10 AND B-12. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
7. PROVIDE AND INSTALL 12" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILE FOR LENGTH AND SLOPE.
8. SAWCUT, TACK AND MATCH EXISTING ASPHALT PER SPOKANE COUNTY STANDARDS.

LINE TABLE

LINE	LENGTH	BEARING
L1	111.34	N87°00'20"W

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	29.42	20.00	20.00	26.68	90°00'00"
C2	30.43	20.00	20.00	26.28	87°09'00"
C3	55.71	228.00	27.99	55.57	14°00'00"



OFFICIAL PUBLIC DOCUMENT
SPOKANE COUNTY ENGINEERS
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # P-1938
DATE ACCEPTED: 8-18-15

8-18-15

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.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PRELIMINARY AND FINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECTS LANE MILES: PUBLIC
PROJECT LANE MILES: PRIVATE
THIS PLAN MUST BE ACCEPTED WITHIN TWO YEARS OF THE ORIGINAL "AS-BUILT" AND DESIGNED PRIOR TO ISSUANCE OF ANY BUILDING PERMITS OR THE DESIGN ENGINEER FOR MAINTENANCE BOND MUST BE RENEWED.
NOTE: FINAL PAVER & SEAL COAT DATE
MUST BE CONSIDERED

P-1938

8/16/15		RECORD DRAWING by Inland Pacific Engineering	
09/29	J.R.	FINAL PLAN SUBMITTAL	
08/30	R.M.	ORIGINAL PLAN PRESENTATION	
NO.	DATE	BY	REVISIONS

COUNTY DATUM
VERTICAL(NGVD 29): 2,143.3304, 1,997.305
HORIZONTAL: 1,000,000.000, 1,000,000.000
ELEVATION: 1,942.00
SPINE 32 (J. DR HAWKS 5.1962)
AVE 5874 ALPHA 8
LLWW SON: 2280.606

DEVELOPERS APPROVAL DATE

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

PROJ #: 2005-175
DATE: 06/30/08
DRAWN: MBK
APPROVED: TRW

WCE
WHITE CROSS ENGINEERING
1326 WEST RAYMOND IN SPOKANE (99201)
MAILING ADDRESS: P.O. BOX 141
SPOKANE VALLEY, WA. 99216
PH: 509.893.2617 FAX: 509.893.0237

STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2A
32ND. LANE STA. 5+94.69 TO STA. 7+38.14
SPOKANE COUNTY, WASHINGTON

SHEET
9 OF 17
JOB NUMBER
2005-175