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.

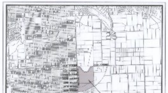
17. ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY **SPOKANE COUNTY.**

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.

SITE PLAN
1" = 200'



VICINITY MAP

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

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.

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.

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

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

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

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

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

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

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

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

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.

SOLID WASTE
WASTE MANAGEMENT
PHONE: 509-466-3400

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

INDEX TO PLAN SHEETS

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

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

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.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1938A
DATE ACCEPTED: 03-09-15
ACCEPTANCE EXPIRES: 03-09-17
PROJECTS LANE MILES: PUBLIC: .22
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

TODD R. WHIPPLE
25462
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 9/24/16

P-1938

COUNTY DATUM
MONUMENT ID NO. 3394. HWY 385
MO 187.35. CBM NO. GP32365 201
ELEVATION = 1748.982
SPIKE AT C/L OF HAVANA STREET AND 29TH. AVENUE
ELEVATION = 2298.606

DEVELOPER'S APPROVAL
DATE

NO.	DATE	BY	REVISIONS
	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

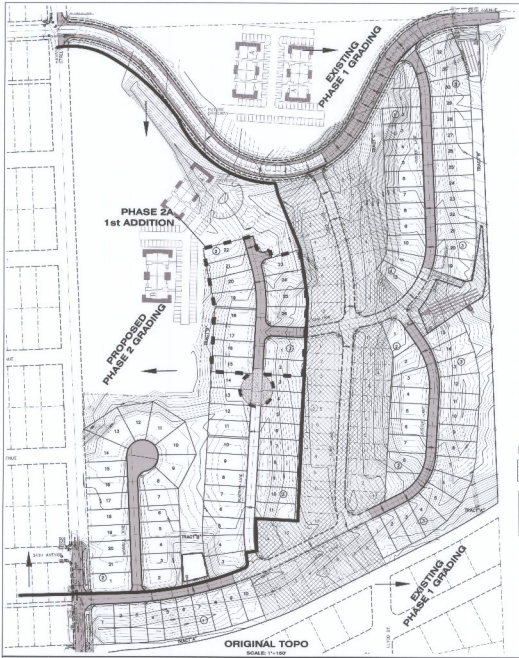
WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PH: 509-893-2617 FAX: 509-926-0227

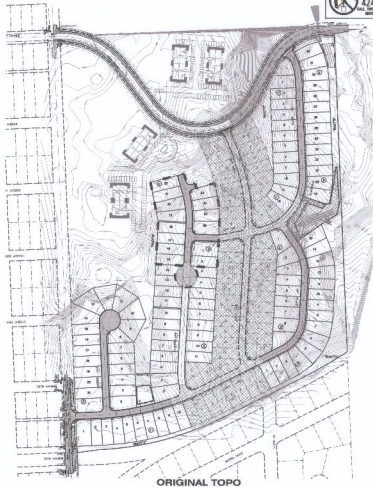
STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2A
COVER SHEET
HAVANA STREET AND 29TH. AVENUE
SPOKANE COUNTY, WASHINGTON

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 2 WORKING DAYS
BEFORE YOU DIG





PHASE 2A BOUNDARY

PHASE 1

THESE PLANS FOR SOUTHRIDGE PHASE 2 (P1938A) ARE BEING RE-SUBMITTED FOR THE CONSTRUCTION OF THE PHASE 2A SUBDIVISION OF SOUTHRIDGE AS A PHASE OF THE OVERALL SOUTHRIDGE PHASE 2

QUANTITIES:

CUT: 155,000 CY
FILL: 155,000 CY
"NET CUT: 0 CY"

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

N
W E
S

P-1938

SPOKANE COUNTY PUBLIC WORKS
OTTO ZEI & ASSOCIATES, INC. ENGINEERS
CONSTRUCTION PLANS
PROJECT # 2005-175
APPROVED: 12/13/07
ACCEPTANCE: CURRENT DATE: 12/13/07
PROJECT'S LANE MILES: PUBLIC 0.08
PROJECT LANE MILES: PRIVATE 0
BOND AMOUNT: $ 0 BOND TYPE: NONE
BOND NUMBER: NO QUALITY AND SURVEY FROM BOARD AND BONDS FOR PUBLIC IMPROVEMENTS BOARD AND BONDS FOR PRIVATE AND EARTHWORK PRIVATE BOND NO. 0.00 - 0.00
SEPA FILE: 1-SEPA-2005-00-00
SEPA DATE: 1-SEPA-2005-00-00

DATE: 12/07

COUNTY DATUM
MONUMENT: G.N.D. 2004, 097 206,
NC: 97.31, 280 NC: 07/35/04/23
ELEVATION: 1 116.32
LOCATION: HAVANA AVENUE/STREET
AND 29TH AVENUE
ELEVATION: 2208.006

DEVELOPER'S APPROVAL DATE

NO	DATE	BY	REVISIONS
	09/09	JJR	FINAL PLAN SUBMITTAL
	05/06	RLM	ORIGINAL PLAN PREPARATION

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

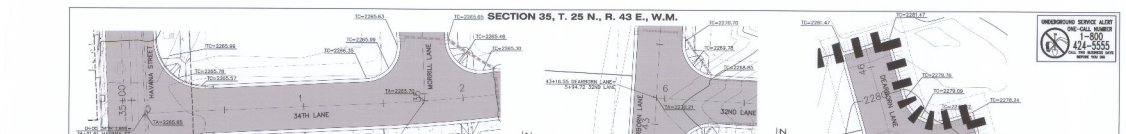
PROJ #: 2005-175
DATE: 10/06/06
DRAWN: MBK
APPROVED: TRW

WCE
WHITE, CRAWFORD & ELDRIDGE
CIVIL ENGINEERS & LAND SURVEYORS
1908 W. FOURTH AVE., SPOKANE
PHONE (509) 455-9078 FAX: 456-7076
TOLL FREE (800) 541-1142 FAX: 509-456-2727

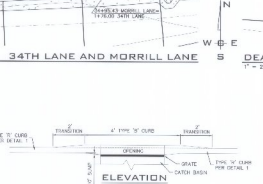
STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2A
GRADING PLAN
HAVANA STREET AND 29TH. AVENUE
SPOKANE COUNTY, WASHINGTON

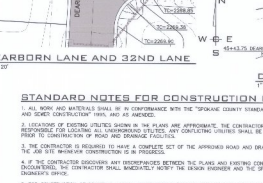
SHEET
2 of 17

JOB NUMBER
2005-175



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
474-5555
TWO WORKING DAYS
BEFORE YOU DIG





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 CONFLICTING UTILITIES THAT 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 GRAVEL. AND BETWEEN THE WASHED GRAVEL AND THE NATIVE SOIL.

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 0.55 (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 CONTRACTOR SHALL DEPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS-GUTTER FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRIOR TO PAVING. THE CROSS-GUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVING AND THE PAVEMENT SHALL THEN BE OVER-LAID TO THE EDGE OF CONCRETE GUTTER.

9. THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SHALL INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDESLOPES OF THE SWALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF DRYWELL. THE GRASSED PERCOLATION AREA (GPA) SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES AND HAVE A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE OWNER/DEVELOPER 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. AND PRIOR TO FINAL ACCEPTANCE. THE SMALL 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.

STORM DRAINAGE NOTES

1. SEE 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 GRADING, SEED, AND DRYWELL INSTALLATION. ALL SWALES WITHIN TRACTS SHALL INCLUDE AN IRRIGATION SYSTEM. ALL IRRIGATION SHALL CONFORM TO **SPOKANE COUNTY** SWALE IRRIGATION SYSTEM GUIDELINES.

3. ALL "2000" 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 SWALE CONSTRUCTION.

5. INSTALL "AMOCO" 4545 FILTER FABRIC (OR APPROVED EQUAL) IN ALL DRYWELLS. SEE **SPOKANE COUNTY** STANDARDS (CSCI EDITION) BETWEEN NATIVE SOIL AND GRAVEL. DRYWELL SPEC 8-19 FOR INSTALLATION LOCATIONS.

6. ALL SWALES WITHIN THE COUNTY RIGHT-OF-WAY, IN THE AREA ASSOCIATED WITH THIS PROJECT, SHALL BE MAINTAINED BY THE OWNER DURING THE CONSTRUCTION OF THE RESIDENCE. THE CONTRACTOR SHALL MAINTAIN THE SWALE GRADE, WORK, INSTALL THE IRRIGATION SYSTEM, AND PLACE THE SOD WITHIN THE SWALES FOLLOWING THE ROAD PAVING WORK.

7. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL DRAINAGE STRUCTURES FROM SILTATION DURING CONSTRUCTION. IF ANY SILT IS DEPOSITED IN THE DRYWELLS, THE CONTRACTOR SHALL 4 WEEKS, OR UNTIL THE DEVELOPMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED, IN THE EVENT THAT SILT OF OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS, THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN OUT TO THE SATISFACTION OF THE CONSTRUCTING ENGINEER.

8. ALL LANDSCAPE AREAS (SOD/ SEEDED) ARE TO BE IRRIGATED BY AN AUTOMATIC IRRIGATION SYSTEM INSTALLED BY OR UNDER THE DIRECTION OF THE LANDSCAPE CONTRACTOR. THE IRRIGATION SYSTEM SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES (NO DAY GUARANTEED). 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 SLEEVES BEFORE CURBING, SIDEWALK, 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: WATER INSTALLATION, ADJUST VALVES, HEADS, EMITTERS, COVERAGE AND TO MINIMIZE OVER SPRAY ON WALLS, FENCES, WALKS, DRIVES, ETC.

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

9. THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SHALL INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDESLOPES OF THE SWALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF DRYWELL. THE GRASSED PERCOLATION AREA (GPA) SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES AND HAVE A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE OWNER/DEVELOPER 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. AND PRIOR TO FINAL ACCEPTANCE. THE SMALL 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.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT STAMP
CONSTRUCTION PLANS
PROJECT # P-1938
DATE ACCEPTED 03-22-05
ACCEPTANCE EXPIRES 03-22-07
PROJECT NAME SOUTHRIDGE PUD
PROJECT LAND USES PRESENT
CONSTRUCTION CONSIDERED AND CONFORMS TO SPOKANE COUNTY STANDARDS FOR ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE BY SPOKANE COUNTY
NOTIFY PUBLIC WORKS 2 WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION
EXPIRES 1 YEAR

COUNTY DATUM
BENCHMARK 52 NO. 2204, NAVD 1988
NGS STATION DESIGNATION: AC 0101
ELEVATION: 1119.280
LOCATED AT HAVANA STREET AND 34TH AVENUE
ELEVATION: 2289.606

DEVELOPERS APPROVAL | DATE

NO	DATE	BY	REVISIONS
06/09	J.R.	FINAL PLAN SUBMITTAL	
06/05	R.M.	ORIGINAL PLAN PREPARATION	

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

PROJ #:	2005-175
DATE:	06/09/06
DRAWN:	MBK
APPROVED:	TRW

WCE
WHITNEY CONSULTING ENGINEERS
EXPLORE / INVESTIGATE / MANTAIN / DESIGN
FOR MORE INFORMATION
CALL (509) 326-2294
TOLL FREE (800) 541-7387
FAX (509) 326-2294

P-1938

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

SHEET
3 OF 17

JOB NUMBER
2005-175

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

LINE TABLE		
LINE	LENGTH	BEARING
L1	33.94	N 87°21'42" E
L2	478.98	N 02°36'12" W

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	37.41	20.00	20.06	28.38	107°12'12"
C2	32.62	20.00	21.24	29.31	93°37'48"
C3	42.09	20.00	25.77	39.10	80°18'08"
C4	225.75	50.00	63.89	77.33	258°47'40"

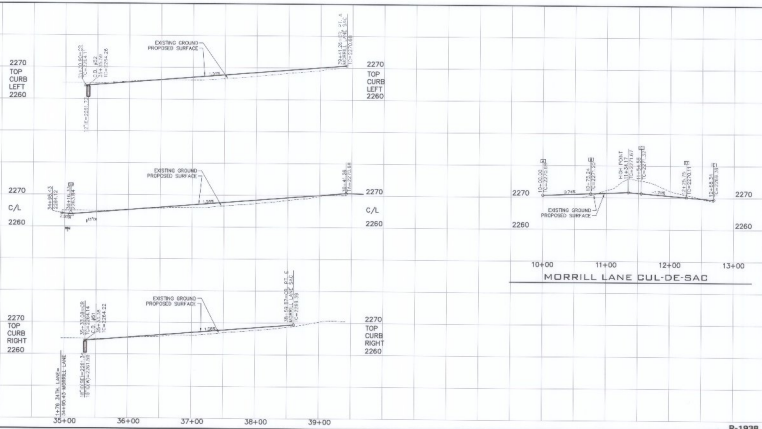
GRAPHIC SCALE

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

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE II CURB PER DETAIL 1, SHEET 3.
2. PROVIDE AND INSTALL DESIGN A 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-14.
5. PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND DETAIL 4 SHEET 3.
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.02-00 WITH TYPE 2 METAL FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-10 AND B-12. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
7. PROVIDE AND INSTALL 18" CMP STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS.
8. PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 2 FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
9. PROVIDE AND INSTALL 15" D STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS.

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



SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1938
DATE ACCEPTED: 05-27-08
ACCEPTANCE EXPIRES: 05-27-09
DATE WORK COMPLETED: 05-27-08
PROJECT LAKE MEES PRIVATE: ☐
CONSTRUCTION DOCUMENTATION AND SERVICES PROVIDED BY THE PROJECT ENGINEER AND RECEIVED PRIOR TO COUNTY ACCEPTANCE ARE ESTABLISHED AS THE BASIS AND DRAWING TABSTRS FOR MAINTENANCE OF THE PROJECT IMPROVEMENTS.
MATT FERRIS, DEPUTY DIRECTOR
PUBLIC WORKS DIVISION

EXPIRES: 12/31/08

COUNTY DATUM
HORIZONTAL NAD 1927 (1974) NAVD 88
VERTICAL NGVD 29 (1929) NAVD 88 (1991.35)
ELEVATION = 1745.92'
BASIS OF BEARINGS: JASPER 2 PIER
HN2,261.4 (NGVD29)
ELEVATION = 1745.92'

DEVELOPERS' APPROVAL — DATE

NO.	DATE	BY	REVISIONS
	09/09	JJR	FINAL PLAN SUBMITTAL
	08/06	RLM	ORIGINAL PLAN PREPARATION

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

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

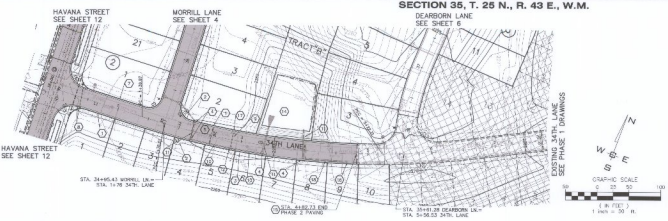
WCE
WHITE & CONNELTON, ENGINEERS
206 WEST KENNEWICK AVENUE, KENNEWICK
(509) 585-1182 (FAX) 585-9340
1101 SOUTH JULIAN ROAD
SPOKANE, WASHINGTON 99204
(509) 838-7021 (FAX) 747-1770

P-1938

STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2
MORRILL LANE STA. 34+95.43 TO STA. 39+39.09
SPOKANE COUNTY, WASHINGTON

SHEET 4 OF 17
JOB NUMBER 2005-175

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



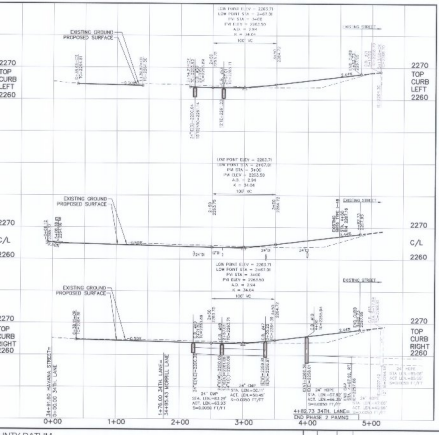
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL THE NUMBER BELOW BEFORE YOU DIG

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE R CURB PER DETAIL 1, SHEET 3.
2. PROVIDE AND INSTALL DESIGN A CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-3.
3. PROVIDE AND INSTALL 6" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
4. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-10, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
5. PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND SECTION SHEET 3.
6. NOT USED.
7. PROVIDE AND INSTALL TYPE B CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
8. PROVIDE AND INSTALL TYPE B TO TYPE R CURB TRANSITION PER SPOKANE COUNTY STANDARDS AND DETAIL 2 SHEET 3.
9. PROVIDE AND INSTALL 12" D.I. STORM PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILE FOR LENGTH AND SLOPE.
10. PROVIDE AND INSTALL 24" CMP STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILE FOR LENGTH AND SLOPE.
11. PROVIDE AND INSTALL 24" D.I. STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILES, SHEET 13 FOR LENGTH AND SLOPE.
12. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11 AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
13. NOT USED.
14. POND A1. SEE DETAIL, SHEET 13.
15. SAWCUT, TACK AND MATCH EXISTING ASPHALT (FROM PH. 1) PER SPOKANE COUNTY STANDARDS.
16. REMOVE EXISTING END CAP AND CONNECT NEW 24" HDPE STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS.
17. PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-5, B-11, AND B-14 SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
18. PROVIDE AND INSTALL 24" HDPE STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILES, SHEET 13 FOR LENGTH AND SLOPE.

LINE TABLE		
LINE	LENGTH	BEARING
L1	139.87	N. 87°21'42" E.

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	31.42	20.00	20.00	28.28	90°00'
C2	31.42	20.00	20.00	28.28	90°00'
C3	31.41	20.00	20.00	28.28	89°59'36"
C4	32.82	20.00	21.24	29.72	93°27'18"
C5	362.54	1233.00	182.97	361.30	17°47'33"



COUNTY DATUM
WASHINGTON STATE COORDINATE
NAD 83/91 (UNITED STATES)
ELEVATION: 1746.262
SPHERICAL CO. 27 WASHINGTON
NAD 27DS, NGRS/CGS
ELEVATION: 1746.600

DEVELOPERS APPROVAL | DATE

NO.	DATE	BY	REVISIONS
	09/09	JJR	FINAL PLAN SUBMITTAL
	08/08	RLM	ORIGINAL PLAN PREPARATION

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

PROJ #: 2005-175
DATE: 08/25/08
DRAWN: MBK
APPROVED: TRW

WCE
WHITE CROW ENGINEERING
(LIC. NO. TRANSPORTATION ENGINEERING)
2509 N.E. 41ST ST. VANCOUVER
PHONE (360) 695-3600
FAX (360)695-7445
PE CERTIFICATE: TRW CERTIFICATE

P-1938

STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2A
34TH. LANE STA. 00+00.00 TO STA. 4+82.73
SPOKANE COUNTY, WASHINGTON

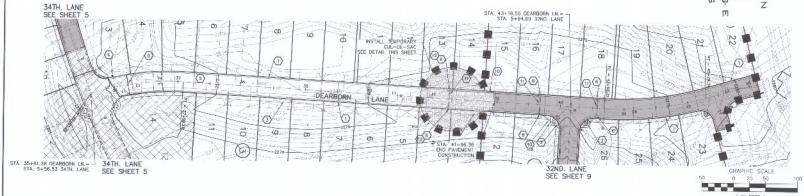
SPOKANE COUNTY PUBLIC WORKS
OFFICIAL INSTRUMENT NUMBER
CONSTRUCTION PLANS
PROJECT # 2005-175
DATE ACCEPTED: 2-2-2009
ACCEPTANCE EXPIRES: 2-2-2012
PROJECTS LANE MILES: PUBLIC: 0.4
PROJECT LANE MILES: PRIVATE: 0.4
PRIVATE ROADS ACCEPTED FOR MAINTENANCE BOND PURPOSES ONLY. SEE BOARD FILE NO. 2008-0000 FOR ADDITIONAL INFORMATION. ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE BOND PURPOSES ONLY
CONTRACT BOND EXPIRATION DATE
PRIOR TO CONVEYANCE

TYPES: 6/24/09

SHEET
5 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 THIS NUMBER DATE
BEFORE YOU DIG

CONSTRUCTION NOTES

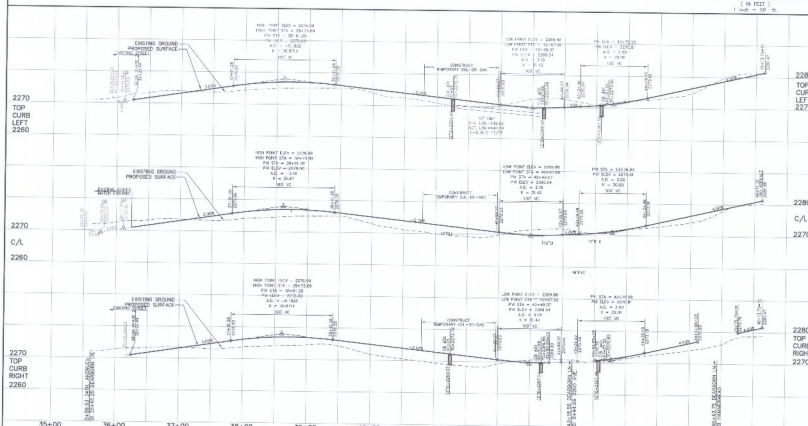
1. PROVIDE AND INSTALL TYPE K CURB PER DETAIL 1, SHEET 3.
2. PROVIDE AND INSTALL DESIGN A CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
3. PROVIDE AND INSTALL 6" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
4. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND SECTION SHEET 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-15, AND B-17. 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-17, 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 18" 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 SOIL TEMPORARY LID CONER AND ADJUSTMENT RINGS OVER CATCH BASIN

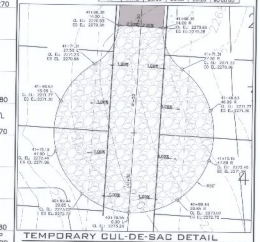
LINE TABLE

LINE	LENGTH	BEARING
L1	64.48	N 89°46'00" E
L2	64.48	N 15°56'30" W
L3	64.00	N 73°23'30" E

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	146.95	364.00	74.35	146.00	23°33'38"
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	251.03	487.00	128.25	248.29	29°54'31"
C5	30.74	20.00	19.58	27.83	88°04'00"
C6	31.42	20.00	20.00	28.28	90°00'00"





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

P-1938

COUNTY DATUM
NGVD BASED ELEV. 2000 (1927 ADJ)
NAD 1927 BS. CENTRAL ZONE (2202)
ELEVATION = 1749.80
BASED ON CITY OF SPOKANE DATUM
AND NGS BENCHMARK
ELEV. 1239.0000

DEVELOPERS APPROVAL | DATE

NO.	DATE	BY	REVISIONS
	09/09	JJR	FINAL PLAN SUBMITTAL
	08/30	RLM	ORIGINAL PLAN PREPARATION

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

PROJ #: 2005-175
DATE: 09/09/06
DRAWN: MEB
APPROVED: TRW

WCE
WHITE CRESCENT ENGINEERING
CIVIL AND TRANSPORTATION ENGINEERING
1115 N. MAYFAIR, SPOKANE, WA 99207
PHONE/FAX (509) 487-5650
FAX (509) 483-1361 / CELL (509) 435-3202

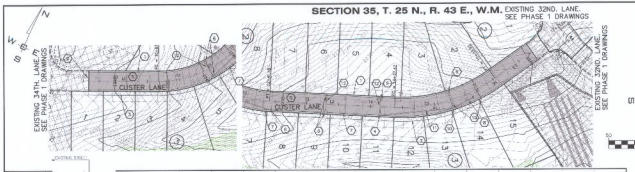
STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2A
DEARBORN LANE STA. 35+61.28 TO STA. 46+13.75
SPOKANE COUNTY, WASHINGTON

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 2005-175
DATE ACCEPTED 03/29/07
PROJECT LAND WILL PUBLIC
PROJECT LAND WILL PRIVATE
CONSTRUCTION COMMENCES ANY REVISION PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE PUBLIC DOCUMENT MAY RESULT IN DELAYS IN PERMIT REQUIRED AND/OR FEES
COUNTY PERMIT EXPIRES 1 SEVEN DATE EXPIRES 1 YEAR FROM ACCEPTANCE

EXPIRES: 3/29/07

SHEET
6 OF 17

JOB NUMBER
2005-175



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
TOLL FREE
THE NORTHWEST ALLIANCE
BEFORE YOU DIG

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE K CURB PER DETAIL 1, SHEET 3.
2. SAWCUT, TACK AND MATCH EXISTING ASPHALT PER SPOKANE COUNTY STANDARDS.
3. PROVIDE AND INSTALL 6" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
4. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 3 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11 AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
5. PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND DETAIL 4 SHEET 3.
6. PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 1 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. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR LENGTH AND SLOPE.
9. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
10. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-10, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
11. PROVIDE AND INSTALL 10" CMP STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILE FOR LENGTH AND SLOPE.
12. PROVIDE AND INSTALL 12" D STORM PIPE PER SPOKANE COUNTY STANDARDS.

LINE TABLE		
LINE	LENGTH	BEARING
L1	104.22'	N 87°27'27" E
L2	195.94'	N 89°01' E
L3	71.54'	N 33°9'5" W

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	174.00'	186.00'	93.93'	168.14'	89°22'27"
C2	166.40'	250.00'	86.47'	163.43'	38°06'28"

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PLAN SUBMITTAL ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 2-28-13
DATE ACCEPTED: 12-12-13
ACCEPTANCE EXPIRES: 12-12-15
PROJECT NAME: SOUTHRIDGE
PROJECT LANE WIDE PRIVATE
CONSTRUCTION DOCUMENTATION AND CERTIFIED AS-BUILT DRAWINGS MUST BE SUBMITTED PRIOR TO FINAL ACCEPTANCE AND FULL RELEASE OF THE ISSUES AND DEPOSIT FUNDS. FILE FOR MAINTENANCE PERIOD AS-BUILT DRAWINGS
SIGNATURE DATE
SIGNATURE DATE
PRINT TO CONFIRM

COUNTY DATUM
NGVD (NAVD) 27 MCT. 1929 / NAVD 1983
BENCH MARK: CITY OF SPOKANE CITY
FIX PLATE ELEV. = 1348.202
GENERAL AT CL OF MISSOULA STREET
ZING BOTS - 1000 FEET
ELEVATION = 2250.00 FT

DEVELOPER'S APPROVAL DATE

NO.	DATE	BY	REVISIONS
	08/09	JJK	FINAL PLAN SUBMITTAL
	08/30	RLM	ORIGINAL PLAN PREPARATION

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

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

WCE
WHITE & CASEY ENGINEERING
105 JAB FERRY STATION PLAZA ROAD
LAKE BLUFF, ILLINOIS 60044
PHONE (847) 367-3477
FAX (847) 367-7104

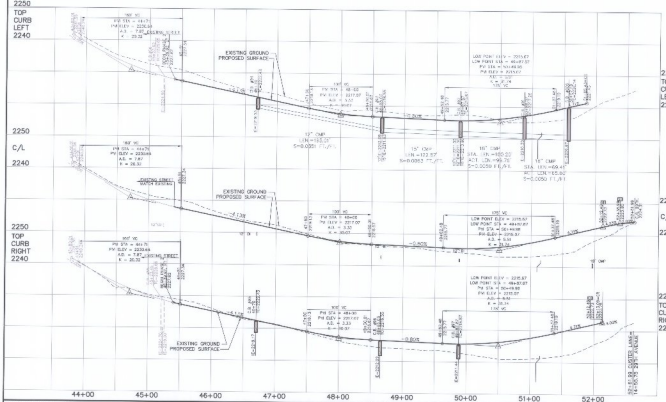
P-1938

STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2A
CUSTER LANE STA. 9+58.26 TO STA. 17+31.04
SPOKANE COUNTY, WASHINGTON

SHEET
7 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
(ALL THE UNDERGROUND UTILITIES BEFORE YOU DIG)

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE R CURB PER DETAIL 1, SHEET 3.
2. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-18.
3. PROVIDE AND INSTALL 6' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
4. PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND DETAIL 4 SHEET 3.
5. PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-15, AND B-12. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
6. PROVIDE AND INSTALL 18" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR LENGTH AND SLOPE.
7. ADJUST EXISTING SEWER MANHOLE RIMS FROM PHASE 1 TO MATCH PROPOSED GRADE.
8. PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
9. PROVIDE AND INSTALL TYPE 2 CROSS-GUTTER PER SPOKANE COUNTY STANDARD PLAN B-18.
10. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20 WITH TYPE 1 FRAME, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11 AND B-14. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
11. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20 WITH TYPE 1 FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN B-10, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
12. PROVIDE AND INSTALL 18" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR LENGTH AND SLOPE.
13. PROVIDE AND INSTALL 12" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR LENGTH AND SLOPE.
14. SAWCUT, TACK AND MATCH EXISTING ASPHALT PER SPOKANE COUNTY STANDARDS.
15. PROVIDE AND INSTALL 12" DI STORM PIPE PER SPOKANE COUNTY STANDARDS.

LINE TABLE

LINE	LENGTH	BEARING
L1	449.53	N 3°34'33" W

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	174.50	166.00	95.93	166.14	60°22'0"
C2	186.48	250.00	98.47	183.43	39°29'28"
C3	90.02	200.00	45.81	90.13	25°46'7"
C4	192.92	250.00	94.60	188.22	44°12'0"
C5	18.75	30.00	13.65	18.42	121°41'33"
C6	46.03	30.00	28.53	41.65	87°50'0"

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC IMPROVEMENT MANUAL
CONSTRUCTION PLANS
PROJECT # P-1938
DATE ACCEPTED: 03-29-11
ACCEPTANCE EXPIRES: 03-29-12
PROJECT NAME: SOUTHRIDGE PUD
PROJECT LAND MILES STREETS
CONSTRUCTION INCONVENIENCE AND CLOSURE NOTICE REQUIRED FOR ALL WORK ON PUBLIC ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE, REPAIR, OR CONSTRUCTION
MAIL NOTICE TO RESIDENTS WITHIN 300 FEET OF CONSTRUCTION

EXPIRES: 12-31-12

COUNTY DATUM
HORIZONTAL E.N.C. 2001 (HPF) 285
VFI 1992 (DRAW) UPDATE 25
CLEAR ANGLE = 0°00'00" (DRAW)
AND (VFI) ROTATE
ELEV. (VFI) = 0.00 (DRAW)

DEVELOPERS' APPROVAL | DATE

NO	DATE	BY	REVISIONS
	03/29	JJR	FINAL PLAN SUBMITTAL
	08/20	RLM	ORIGINAL PLAN PREPARATION

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

PROJ # 2005-175
DATE: 08/20/08
DRAWN: MBK
APPROVED: TRW

IWCE
INTER-WEST CONSULTING ENGINEERS, INC.
(DOING BUSINESS AS WCE)
(WA REGISTRATION # WCE-INC-0-0)
(OR REGISTRATION # CA 0-08-08-0)
TEL 509-924-7220 FAX 509-924-9217

P-1938

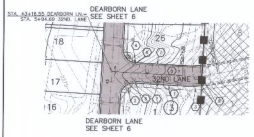
STREET AND DRAINAGE PLANS
SOUTHRIDGE P.U.D PHASE 2A
CUSTER LANE STA. 45+39.00 TO STA. 52+61.99
SPOKANE COUNTY, WASHINGTON

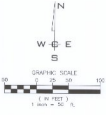
SHEET 8 OF 17

JOB NO. 2005-175

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

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
ALL THE NUMBER YOU NEED
BEFORE YOU DIG





CONSTRUCTION NOTES

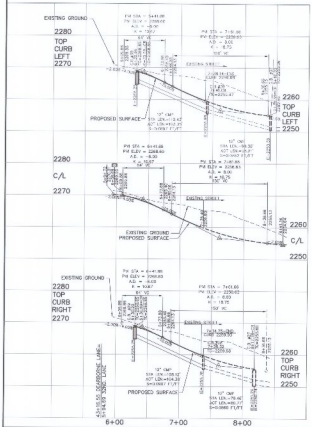
1. PROVIDE AND INSTALL TYPE C CURB PER DETAIL 1, SHEET 3.
2. PROVIDE AND INSTALL DESIGN A CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
3. PROVIDE AND INSTALL 6' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
4. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND DETAIL 4 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	111.54	N87°05'30"W

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	31.42	20.00	20.00	28.28	90°00'00"
C2	31.42	20.00	20.00	28.28	90°00'00"
C3	55.71	228.00	27.99	55.57	14°00'00"



SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1938A
DATE ACCEPTED 12-22-05
ACCEPTANCE EXPIRES 12-22-07
PROJECT LANE MILES PRIVATE 0.25
PROJECT LANE MILES PUBLIC 0.25
CONSTRUCTION DOCUMENTATION AND DEFINED PUBLIC IMPROVEMENTS ARE ACCEPTED FOR MAINTENANCE PRIOR TO COUNTY ACCEPTANCE ARE THE RESPONSIBILITY OF THE OWNER AND OVERSEE EXISTING FOR MAINTENANCE UNTIL COUNTY ACCEPTANCE
KERRY FINNEY DIRECTOR DATE
PWM TE CONTRACTOR

SHEET SIZE 24"x36"

COUNTY DATUM
MONUMENT NO. 3204-1 NW 306
NO. 07 GL CERTIFIED OPTIMA-07
H-PARTION - 1.148.202
LOCATION - SOUTH SPOKANE STREET
AND DIVISION AVENUE
H-PARTION - 2289.69

DEVELOPERS APPROVAL DATE

NO.	DATE	BY	REVISIONS
	05/09	JJR	FINAL PLAN SUBMITTAL
	08/08	RLM	ORIGINAL PLAN PRESENTATION

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

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

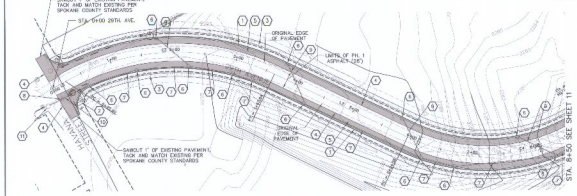
WCE
WHITNER CONSULTING ENGINEERS
CIVIL AND / WATER / SANITARY ENGINEERING
(509)467-9613 (509)467-0361
1115 N. MAYFAIR, SPOKANE, WA 99207
(1 Stream and 1 Fax 509-924-9231)

P-1938

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

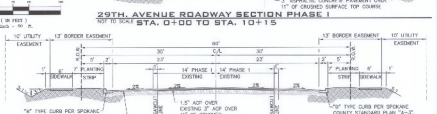
SECTION 35, T. 25 N., R. 43 E., W.M.



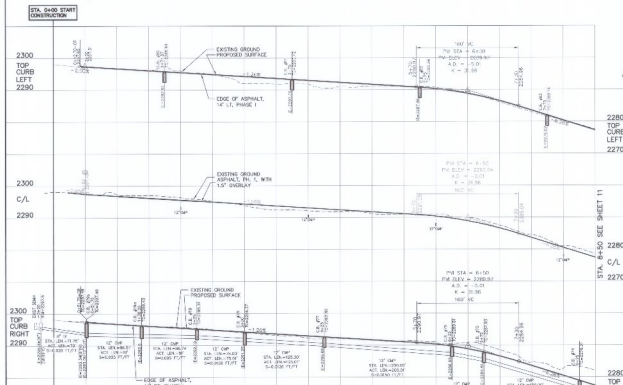
GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

29TH. AVENUE ROADWAY SECTION PHASE I
NOT TO SCALE **STA. 0+00 TO STA. 10+15**



29TH. AVENUE ROADWAY SECTION PHASE II
NOT TO SCALE **STA. 0+00 TO STA. 10+15**

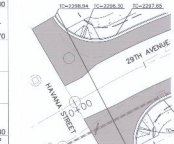


LINE TABLE		
LINE	LENGTH	BEARING
L1	20.80	N 88°53'37" E
L2	235.74	S 37°17'42" E

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	49.99	30.00	33.01	44.40	93°28'36"
C2	83.02	50.00	27.96	73.87	95°08'23"
C3	340.84	358.10	184.63	328.21	54°33'00"
C4	1526.54	298.48	455.51	485.01	110°16'00"

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE B TYPE CURB PER SPOKANE COUNTY STANDARDS.
2. PROVIDE AND INSTALL DESIGN B CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
3. PROVIDE AND INSTALL 6' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
4. SAWCUT, TACK AND MATCH EXISTING ASPHALT PER SPOKANE COUNTY STANDARDS.
5. PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND SECTION THIS SHEET.
6. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 1 METAL FRAME AND TYPE 1 GRATE PER CITY OF SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-12 SEE PROFILE FOR STATION AND ELEVATION INFORMATION.
7. PROVIDE AND INSTALL 12" DIP STORM PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILE FOR LENGTH AND SLOPE.
8. REMOVE EXISTING 8" STORM DRAIN PIPE.
9. PROVIDE AND INSTALL 12" D.I. STORM PIPE PER SPOKANE COUNTY STANDARDS.
10. PROVIDE AND INSTALL 8" D.I. STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR LENGTH AND SLOPE.
11. CONNECT TO EXISTING REMA. SEE STATION & ELEVATION INFORMATION. VERIFY DEPTH AND LOCATION PRIOR TO ANY CONSTRUCTION.



29TH. AVENUE AND HAVANA STREET
1"=20'

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1938
DATE ACCEPTED: 03-26-15
ACCEPTANCE EXPIRES: 03-26-18
PRIVATE: LANE MILES: 0.0
PUBLIC: LANE MILES: 0.0
CONSTRUCTION GUARANTEE AND SURETIES REQUIRED FOR PUBLIC IMPROVEMENTS PRIOR TO GRANT ACCEPTANCE ARE EXCLUSIVELY OF THE ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE, NOT FOR CONSTRUCTION.
JEFFREY PARKER, DEVELOPER & ENGINEER COORD. TO CONSULTANT

NAVD-88 DATUM
INTERSECTION OF 51ST. PLACE, 19TH. AVE.
MT. NO. 3C, CERN NO. 57C2350-201
ELEVATION = 1982.82
SITUP AT CENTERLINE OF CH.#3/2/3/2
(PUBLIC 1982.28) (1 INCHES)
IF ELEVATION=2000.00

DEVELOPER'S APPROVAL | DATE

NO.	DATE	BY	REVISIONS
	09/09	JJR	FINAL PLAN SUBMITTAL
	08/30	RLM	ORIGINAL PLAN PREPARATION

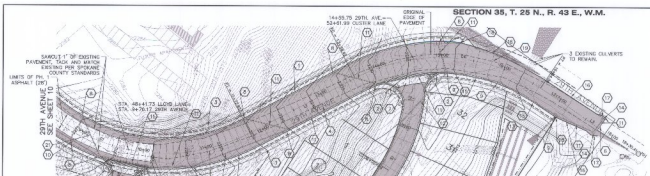
SCALE:
HORIZONTAL: AS SHOWN
VERTICAL:

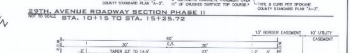
PROJ #: 2005-175
DATE: 09/09/08
DRAWN: MEK
APPROVED: TRW

IWCE
INTERWEST CONSULTING GROUP, INC.
CIVIL ENGINEERS / LAND SURVEYORS
(509) 326-1860 / (800) 800-1860
SPOKANE, WASHINGTON / COEUR D'ALENE, IDAHO
TRI CITIES, WA / FORT ST. JOHN, BC

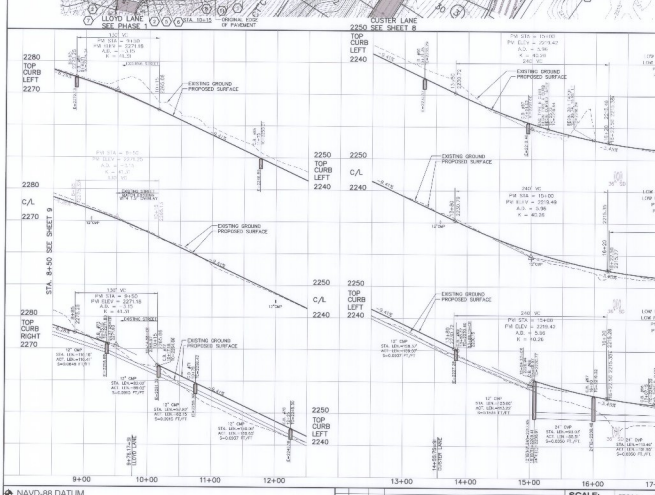
STREET AND DRAINAGE PLANS
SOUTHRIDGE PUD, PHASE 2A
29TH. AVENUE STA. 0+00 TO STA. 8+50
SPOKANE COUNTY, WASHINGTON

SHEET
10 OF 17
JOB NUMBER
2005-175





NOTE:
11 INCH ASPHALT TO BE INSTALLED AFTER DRAINAGE STRUCTURES.



CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE 2 CURB PER SPOKANE COUNTY STANDARDS.
2. PROVIDE AND INSTALL DESIGN A 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 ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND SECTION THIS SHEET.
5. REMOVE EXISTING 12" CMP CULVERT.
6. SAWCUT, TACK AND MATCH EXISTING ASPHALT PER SPOKANE COUNTY STANDARDS.
7. PROVIDE AND INSTALL TYPE 2 CROSS-GUTTER PER SPOKANE COUNTY STANDARD PLAN B-18.
8. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 1 METAL FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-12 SEE PROFILE FOR STATION AND ELEVATION INFORMATION.
9. PROVIDE AND INSTALL W.S.D.O.T. AR TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN WITH TYPE 1 FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10 AND B-12. SEE PROFILE FOR STATION AND ELEVATION INFORMATION.
10. PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND SECTION ON SHEET 10.
11. PROVIDE AND INSTALL 12" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR INFORMATION.
12. PROVIDE AND INSTALL 18" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR INFORMATION.
13. SEE SHEET 13 FOR POND DETAILS.
14. PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 1 METAL FRAME AND GRATE, AND TYPE 2 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-14. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
15. PROVIDE AND INSTALL 24" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR INFORMATION.
16. PROVIDE AND INSTALL TYPE C CURB PER SPOKANE COUNTY STANDARDS.
17. PROVIDE ASPHALT DEPRESSION TOWARDS CATCH BASIN, GRADE APPROXIMATELY.
18. 6" TRANSITION FROM TYPE B CURB TO TYPE C CURB. MATCH FLOWLINE.
19. SEE DETAIL THIS SHEET FOR 29TH CROSS-SECTION STA 15+25.72 TO STA 17+10.49.
20. PROVIDE AND INSTALL 12" DI PER SPOKANE COUNTY STANDARDS.

LINE TABLE		
LINE	LENGTH	BEARING
L1	185.58	N 22°53'17" E
L2	45.23	N 88°33'27" E
L3	121.10	S 89°51'32" E

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

SPOKANE COUNTY PUBLIC WORKS
DEPARTMENT OF ENGINEERING
CONSTRUCTION PLANS
PLANS APPROVED
PROJECT #: 2005-175
DATE ACCEPTED: 12-20-07
ACCEPTANCE EXPIRES: 12-20-10
PROJECT NAME: SOUTHRIDGE PUD
PROJECT LANE MILES: PRIVATE
PROJECT ENGINEER: TIMOTHY R. WOLF
PLANS APPROVED "AS-BUILT" AND RECORDED PRIOR TO ACCEPTANCE OF THE ROADWAY IMPROVEMENTS AND ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE BY SPOKANE COUNTY
PROJECT ENGINEER: TIMOTHY R. WOLF
PROJECT MANAGER: DAVID SHOTWELL
EXPIRES: 1/31/10

P-1938

NAVD-88 DATUM
NORMALIZED X,Y,HZ: 2314.1491'SW,
NP NO. 31 - SW NC 37.5/38.0/01
ELEVATION - 1362.982
SPAN: 2" CUTTER NAT OF HYDRA
(BORN 1962-2011) - ADJUST
ELEVATION=2306.90

DEVELOPERS APPROVAL DATE

NO.	DATE	BY	
	04/18	MLK	PLAN PREPARATION
		BRP	SUBMITTAL TO SPOKANE COUNTY ENGINEERS

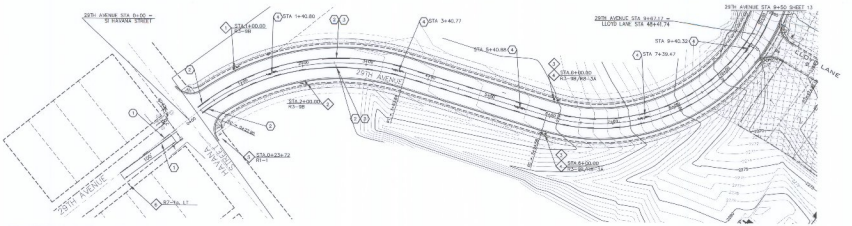
SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

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

IWCE
INTERFACE WEST CONSULTANTS, INC.
7200 NORTH FREYA, SPOKANE, WA 99217
(509) 927-9500 FAX: (509) 927-9510
CONSULTING ENGINEERS
PLANNERS - SURVEYORS
FOUNDED 1977

STREET AND DRAINAGE PLANS
SOUTHRIDGE PUD, PHASE 2A
29TH. AVENUE STA. 10+15 TO STA. 18+30.41
SPOKANE COUNTY, WASHINGTON

SHEET
11 OF 17
JOB NUMBER
2005-175



GRAPHIC SCALE

1 IN. EQUAL 1 INCH = 30 FT.

STRIPING NOTES - 29TH AVENUE

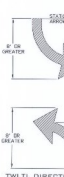
1. DOUBLE YELLOW CENTERLINE. SEE DETAIL 4 THIS SHEET.
2. YELLOW TWO-WAY LEFT-TURN CENTER LINE STA 0+22.90, 5.5' RT/LT TO STA 2+52.77, 7' RT/LT. SEE DETAIL 3 THIS SHEET.
3. YELLOW TWO-WAY LEFT-TURN CENTER LINE STA 2+52.47 TO 16+09.72, 7' RT/LT. SEE DETAIL 3 THIS SHEET.
4. PLACE DIRECTIONAL TRAFFIC ARROWS IN MIDDLE OF LANE. SEE DETAIL 1 THIS SHEET.

REMOVAL NOTES - 29TH AVENUE

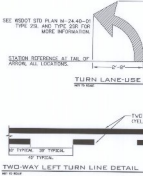
1. REMOVE CENTERLINE SKIP LINE TO LENGTHS AS INDICATED ABOVE.

SIGNING SCHEDULE

1	STA 1+00.00	R3-8B	"END CENTER LANE"
2	STA 2+00.00	R3-8B	"BEGIN CENTER LANE"
3	STA 6+50.00, RT & LT	R3-8B	"CENTER LANE ONLY"
4	STA 6+00.00, RT & LT	R8-3A	NO PARKING SIGN (PLACED BELOW CENTER LINE ONLY)
5	STA 0+23.72, 53.2' RT	R1-1	"STOP" SIGN
6	STA -1+36, LT	R7-1a	NO PARKING SIGN



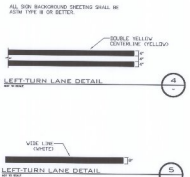
TWLTL DIRECTIONAL ARROW DETAIL 1



TURN LANE-USE ARROW DETAIL 2

TWO-WAY LEFT TURN LINE DETAIL 3

ALL SIGN BACKGROUND SHEETING SHALL BE ASTM TYPE III OR BETTER.



LEFT-TURN LANE DETAIL 4

LEFT-TURN LANE DETAIL 5

NOTE: ALL LINE WIDTHS PER MUTCD STANDARDS. ALL MARKINGS TO BE WHITE UNLESS OTHERWISE NOTED.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT (ORIGINAL)
CONSTRUCTION PLANS
PROJECT # 2005-175
DATE ACCEPTED: 03-22-07
DATE EXPIRES: 03-22-09
PROJECTS LINE MUST PUBLIC: NO
PROJECT LINE MUST PRIVATE: NO
CONTRACTOR AGREES TO NOTIFY THE SPOKANE COUNTY PUBLIC WORKS DEPARTMENT PRIOR TO COUNTY INSPECTION AND CONSIDERATION OF THE WORK AS COMPLETED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.
NOTE: PRIOR TO ANY CHANGES TO SUBMITTED PLANS, CONTACT THE PROJECT ENGINEER.

DATE: 3/22/07

COUNTY DATUM
HORIZONTAL: NAD 1983 - 1991.35A
MT 161.2E, CSRC NO. GP3808-03
ELEVATION: +1748.561
SPINT AT CENTERLINE OF NAVARRE
SURVEY CALC PT 24 - MARKER
ELEVATION: 1748.561

DEVELOPER'S APPROVAL DATE

NO.	DATE	BY	REVISIONS
		SHR	SUBMITTAL TO SPOKANE COUNTY
	07/08	SHR	ORIGINAL PLAN PREPARATION

P-1938

SCALE: HORIZONTAL: 1"=80' VERTICAL: N/A

PROJ #: 2005-175
DATE: 06/20/08
DRAWN: SHR
APPROVED: TRW

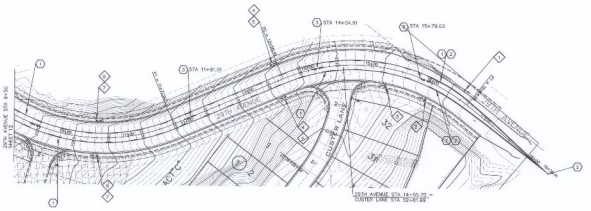
WCE
WHITE CROCK ENGINEERING
CIVIL • SURVEYING • PLANNING
N. 1010 MAIN • SPOKANE, WA 99201
SPOKANE VALLEY, WASHINGTON OFFICE
PH: (509) 924-7411 FAX: (509) 924-8227

STRIPING PLAN
SOUTHRIDGE PUD, PHASE 2A
29TH AVENUE SIGNING & CHANNELIZATION PLAN
SPOKANE COUNTY, WASHINGTON

SHEET 12 OF 17

JOB NUMBER 2005-175

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO WORKING DAYS BEFORE YOU DIG



STRIPING NOTES - 29TH AVENUE

1. YELLOW TWO-WAY LEFT-TURN CENTER LINE STA 2+52.47 TO 16+08.72, 7" W.I.D. SEE DETAIL 3 THIS SHEET.
2. DOUBLE YELLOW CENTERLINE STA 16+09.72 TO STA 18+30.41, 5PX DETAIL 4 THIS SHEET. TAPER FOR SPOKANE COUNTY STANDARDS.
3. PLACE DIRECTIONAL TRAFFIC ARROWS IN MIDDLE OF LANE. SEE DETAIL 1 THIS SHEET.

SIGNING SCHEDULE

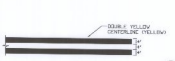
1	STA 16+48.56, LT	R3-05	"BEGIN CENTER LANE"
2	STA 15+99.70, RT	R3-08	"END CENTER LANE"
3	STA 15+36.34, RT	W5-10	"ROAD NARROWS SIGN"
4	STA 13+50.00, RT & LT	R3-08	"CENTER LANE ONLY"
5	STA 13+50.00, RT & LT	R8-3A	NO PARKING MOVED BEGIN CENTER LANE ONLY
6	STA 10+50.00, RT & LT	R3-08	"CENTER LANE ONLY"
7	STA 10+00.00, RT & LT	R8-3A	NO PARKING MOVED BEGIN CENTER LANE ONLY

ALL SIGN BACKGROUND SHEETING SHALL BE ASTM TYPE III OR BETTER.

TWLTL DIRECTIONAL ARROW DETAIL 1 -
NTS

TURN LANE-USE ARROW DETAIL 2 -
NTS

TWO-WAY LEFT TURN LINE DETAIL 3 -
NTS



LEFT-TURN LANE DETAIL 4 -
NTS

LEFT-TURN LANE DETAIL 5 -
NTS

NOTE: ALL LINE MARKING SHALL BE THERMOPLASTIC. ALL MARKINGS TO BE WHITE UNLESS OTHERWISE NOTED.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1938A
DATE ACCEPTED: 03-07-16
ACCEPTANCE EXPIRES: 03-07-17
DATE: 03-07-16 TIME: 11:11 AM
PROJECT LAND MEETS PRIVATE: N
CONSTRUCTION DOCUMENTATION AND DEFINED PUBLIC IMPROVEMENTS MUST BE ACCEPTED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE. SEE ATTACHED LETTER.
SCOTT VONG (SIGNATURE) & NUMBER DATE
PERM TO CONSTRUCTION

COUNTY DATUM
HORIZONTAL DATUM: NAD 1983 (2011) SPCS 1983 NAD 83 (2011) (EPOCH 2010.00) SPCS NAD 83 (2011) (EPOCH 2010.00) SPOKANE COUNTY COORDINATE SYSTEM
ELEVATION = (1+0.08) NAVD 88 (GEOID 12A) SPOKANE COUNTY DATUM OF 1929 (NGVD 29)
STREET AND DRAIN SURVEY
ELEVATION: (0.00) FEET

DEVELOPER'S APPROVAL DATE

NO	DATE	BY	REVISIONS
	07/23	SRR	SUBMITTAL TO SPOKANE COUNTY
		SRR	ORIGINAL PLAN PREPARATION

SCALE: 1"=50'
HORIZONTAL:
VERTICAL: N/A

PROJ #: 2005-175
DATE: 05/20/06
DRAWN: SRR
APPROVED: TRW

P-1938

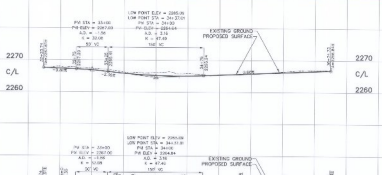
WCE
WHITE CROSS ENGINEERING
1305 NORTHWESTERN AVENUE
SPOKANE VALLEY, WASHINGTON 99212
PHONE (509) 927-9700 FAX (509) 927-9701

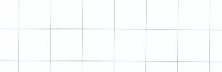
STRIPING PLAN
SOUTHRIDGE PUD, PHASE 2A
29TH AVE SIGNING & CHANNELIZATION PLAN
SPOKANE COUNTY, WASHINGTON

SHEET 13 OF 17

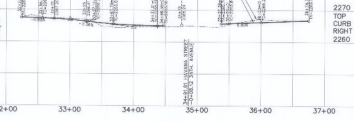
JOB NUMBER 2005-175

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

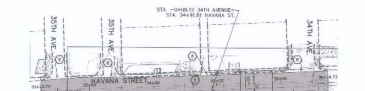




TYPICAL CROSS-SECTION FOR HAVANA SWALES 1.
NOT TO SCALE



NOTE:
CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES IN HAVANA ROAD WITH THE APPROPRIATE AGENCIES PRIOR TO ROAD CONSTRUCTION.



ROADWAY SECTION - HAVANA STREET
NOT TO SCALE

14/17

WCE
WHITE CROSS ENGINEERS
CIVIL/TRANSPORTATION/TRAFFIC
1212 W. GARLAND AVENUE
SPOKANE, WASHINGTON 99201
PH 509-326-9151 FAX 326-9152

DATE: 12/14/99

REVISIONS															
DATE	BY	REV.	DESCRIPTION	DATE	BY	REV.	DESCRIPTION	DATE	BY	REV.	DESCRIPTION	DATE	BY	REV.	DESCRIPTION
			AS BUILT												

GRADE ESTABLISHMENTS

NAVD88 DATUM

SCALE

DRAFTING STANDARDS: W.S.D.O.T. ADOPTED 06/1/1999
LAST PRINTED BY: CLARK
DATE: 12/14/99
FILE NAME: C:\WCE\HAVANA\HAVANA.DWG
LAST SAVED BY: CLARK
DATE: 12/14/99
PLOT SCALE: 1" = 10'
PLOT DATE: 12/14/99
PLOT TIME: 10:00 AM
DRAWING NO. 1 OF 1

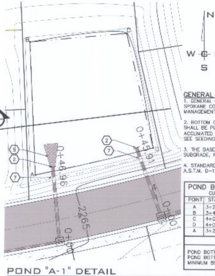
CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS B.VD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6400

SHEET SUBJECT TITLE: HAVANA STREET
STA. 32+23.77 TO STA. 36+74.76

TYPE OF IMPROVEMENT: STREET
CITY PROJECT NUMBER: CITY WO NUMBER: 20080608
NARA SEQ'D 35-25-43
CURRENT PROJECT UNITS:SOUTHRIDGE PUD, PHASE 2A

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



POND "A-1" DETAIL

1" = 20'

GENERAL NOTES, ALL PONDS:

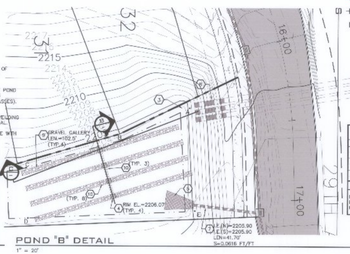
1. GENERAL REFERENCE FIGURE 47, PAGE 6-83 OF SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT.
2. BOTTOM OF POND AND NON-BERM AREAS OF POND SHALL BE PLANTED WITH NATIVE-TYPE GRASSES ACCLIMATED TO ARID CONDITIONS (DRYLAND GRASSES). SEE SEEDING NOTE, THIS SHEET.
3. THE BASE OF THE BERM SHALL BE FIRM, UNYIELDING SUBGRADE, FREE OF ORGANICS AND FILL MATERIAL.
4. STANDARD DENSITY SHALL BE IN ACCORDANCE WITH A.S.T.M. D-1557.

POND BOTTOM LOCATION TABLE
CUSTER STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	3+27.89	30.4' LT.	83.3'
B	3+41.82	112.7' LT.	61.0'
C	4+08.01	104.1' LT.	73.7'
D	4+05.73	30.4' LT.	
A	3+27.89	30.4' LT.	D-A 75.9'

POND "A-1"

POND BOTTOM AREA PROVIDED = 5104.1 SF
POND BOTTOM EL. = 2259.49
MINIMUM BERM EL. = 2261.49



POND "B" DETAIL

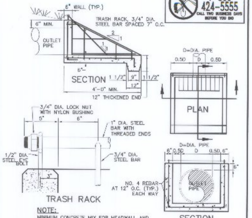
1" = 20'

POND BOTTOM LOCATION TABLE
29TH AVE. STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	16+28.58	50.5' RT.	46.8'
B	16+56.69	107.2' RT	62.7'
C	16+75.31	167.9' RT	31.4'
D	17+21.27	167.5' RT	104.7'
E	17+05.01	50.5' RT.	E-A 64.3'

POND "B"

POND BOTTOM AREA PROVIDED = 4771.06 SF
POND BOTTOM EL. = 2205.40
MINIMUM BERM EL. = 2206.90



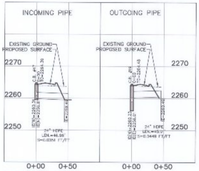
NOTE:
MINIMUM CONCRETE MIX FOR HEADWALL AND APRON SHALL BE 5 1/2 SACK, 3000 P.S.I. HEADWALL SLAB AND WALL TO BE REINFORCED WITH #4 BARS 12" O.C. EACH DIRECTION. 1" CHAMFER ON ALL EXPOSED CORNERS OF WALLS.

CONCRETE HEADWALL WITH TRASH RACK (2)

NOT TO SCALE

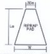
POND "A-1" SECTION (A)

NOT TO SCALE



PIPE PROFILE

1" = 50'



NOTE:
RIPRAP PAD MUST BE INSTALLED WITH FILTER FABRIC (AMOCO OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK.

RIPRAP PAD DIMENSIONS

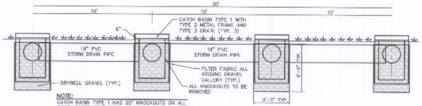
PAD	3Do	Lo	W	STONE SIZE	THICK.
A-1	4.5'	18'	13'	4" MIN.	12"
B	4.5'	18'	12'	13" MIN.	26"

TYPICAL RIPRAP PAD (1)

NOT TO SCALE

CONSTRUCTION NOTES

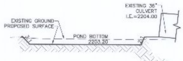
1. NOT USED.
2. PROVIDE AND INSTALL CONCRETE HEADWALL WITH GRATE. SEE DETAIL 2, THIS SHEET.
3. PROVIDE AND INSTALL RIP-RAP ALONG POND SLOPE PER SPOKANE COUNTY STANDARDS.
4. PROVIDE AND INSTALL CATCH BASIN TYPE 1 WITH TYPE 2 METAL FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLANS B-4, B-11, B-14.
5. PROVIDE AND INSTALL RIP-RAP PAD PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1, THIS SHEET.
6. EXISTING FLOOD PLAIN DISCHARGE, SEE PHASE 1 DETAILS.
7. PROVIDE AND INSTALL 24" D.I. STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE, THIS SHEET, FOR PIPE INFORMATION (POND A-1).
8. PROVIDE AND INSTALL 19.3± L.F. OF 36" CMP CULVERT (EXTENSIONS OF 3 EXISTING) PER SPOKANE COUNTY STANDARDS. MATCH EXISTING SLOPE.
9. PROVIDE AND INSTALL GRAVEL GALLERY. SEE DETAIL B, THIS SHEET.
10. PROVIDE AND INSTALL 10 L.F. OF 18" P.V.C. AT 0.00 FT./FT. SLOPE PER SPOKANE COUNTY STANDARDS.



NOTE:
CATCH BASIN TYPE 1 HAS 20" KNOCKOUTS ON ALL SIDES. CONTRACTOR SHALL KNOCK OUT ALL OF THEM AND INSTALL 10 L.F. OF 18" STORM DRAIN PIPE.

GRAVEL GALLERY SECTION (B)

NOT TO SCALE



POND "B" SECTION (C)

NOT TO SCALE

SEEDING NOTE:

GRASS SEED: PROVIDE FRESH, CLEAN, NEW-CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICAN. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

10 PERCENT ELKA PERRENIAL RYE
20 PERCENT DURAR HARD FESCUE
45 PERCENT COVAR SHEEP/FESCUE
15 PERCENT REUBENS CANADIAN BLUEGRASS

PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN AMOUNTS AS FOLLOWS:

GRASS SEED: 90 LBS. PER ACRE
FERTILIZER: 16-16-16 TIMED RELEASE COMPOSITION, 300 LBS. PER ACRE

ALL SEEDING OF SLOPES SHALL SHALL BE DONE IN ACCORDANCE WITH THE W.S.D.O.T. STANDARD SPECIFICATIONS, SECTION 8-01.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1938A
DATE ACCEPTED: 03-09-15
ACCEPTANCE EXPIRES: 03-09-17
PROJECTS LANE MILES: PUBLIC: N/A
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

TODD R. WHITE, PROFESSIONAL ENGINEER, 25487
EXPIRES 9/24/16

P-1938

COUNTY DATUM
MONUMENT ID NO. 3384, HWY 395
MO 187.35, CBM NO. GP32395-201
ELEVATION = 1748.382
SPIKE AT C/L OF HAVANA STREET AND 29TH. AVENUE
ELEVATION = 2288.608

DEVELOPER'S APPROVAL ______ DATE ______

NO.	DATE	BY	REVISIONS
	09/29	JJK	FINAL PLAN SUBMITTAL
	08/30	RLM	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: 1" = 10'

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
POND DETAILS
HAVANA STREET AND 29TH. AVENUE
SPOKANE COUNTY, WASHINGTON

SHEET 15 OF 17
JOB NUMBER 2005-175

EROSION CONTROL PLAN FOR SOUTHRIDGE PUD, PHASE 2A

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

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

EROSION & SEDIMENT CONTROL

GENERAL NOTES AND INFORMATION

1. AN EROSION/SEDIMENT CONTROL (E.S.C.) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE E.S.C. PLAN, MAINTENANCE, AND REPLACEMENT OF EROSION CONTROL FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY THE **SPOKANE COUNTY**, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE, AND ACCEPTED BY **SPOKANE COUNTY**, WHICHEVER IS LATER.
2. APPROVAL OF THE **E.S.C. PLAN** DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE **E.S.C. PLAN**.
3. THE EROSION/SEDIMENT CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE E.S.C. MEASURES DAILY AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT LOSS BEYOND THE PROJECT SITE OR INTO STORM WATER DRAINAGE FACILITIES SUCH AS DRYWELLS, DETENTION BASINS, OR GALLERIES.
4. GEOTEXTILE FABRIC IS TO BE PLACED ON THE KNOLL, CATCH BASINS AND INLETS UNTIL SUCH TIME THAT THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.
5. THE SILT FENCES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO OTHER SITE WORK AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE, SEE DETAIL 2 THIS SHEET.
7. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A LOCATION WHERE CONCRETE TRUCKS AND EQUIPMENT CAN BE WASHED OUT NOT LOCATED NEAR OR DRAINING INTO A STORM DRAINAGE AREA.
8. PROPERTY OWNER: LANDEE DOUGLAS, INC.
   APPLICANT: LANDEE DOUGLAS, INC.
   CONTACT PERSON ON SITE: CLIFF CAMERON
9. PROJECT LOCATION: IN SPOKANE COUNTY, EAST OF HAVANA STREET AND SOUTH OF 29TH AVENUE IN SECTION 35, TOWNSHIP 25N., RANGE 43 E.W.M.
10. PROJECT DESCRIPTION: **SOUTHRIDGE P.U.D., PHASE 2** IS A RESIDENTIAL SUBDIVISION CONSISTING OF 115 LOTS AND WILL REQUIRE CONSTRUCTION OF SEWER, WATER, ROADS, AND STORM DRAINAGE. THE IMPROVEMENTS CONSIST OF CONSTRUCTING THE FIRST OF EACH OF THE PUBLIC AND PRIVATE STREETS AND CURBS WITH ASSOCIATED STORM DRAINAGE.
11. DESCRIPTION OF E.S.C. MEASURES: USE OF SILT FENCES AND ROCK CONSTRUCTION ENTRANCES. ALL E.S.C. MEASURES MENTIONED ABOVE ARE TEMPORARY AND WILL BE REMOVED AFTER YARDS ARE LANDSCAPED.
12. EROSION VEGETATION: LONG GRASS AND TREES.
13. PLAN PREPARATION DATE: JANUARY 22, 2008.
14. SOILS ON SITE SOILS, (MxD) MARBLE SANDY LOAM, (MxC) MARBLE LOAMY SAND, (FnD) HESSELTINE STONY SILT LOAM, (EnC) CALDWELL SILT LOAM.
15. **STABILIZATION OF GRADED AREAS:**
    ANY DISTURBED AREAS WHICH WOULD BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE SEEDING WITHIN 30-45 DAYS SHALL BE MULCHED. MULCHING MATERIAL SHALL DRY AND GRASS SUCH AS ANNUAL RYE OR APPROVED EQUAL, AT A RATE OF 60 lbs/ACRE.
16. **CONTROL OF POLLUTANTS:**
    ANY SPILLS WILL BE HANDLED ACCORDING TO E.D.E. AND D.O.H. GUIDELINES.
17. **LIMITS OF GRADING:**
    DURING THE COURSE OF CONSTRUCTION, THE AMOUNT OF DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL BE LIMITED TO THE AREA WITHIN THE "LIMITS OF GRADING" ON THIS SHEET OF THE EROSION CONTROL PLANS.
18. ONSITE DRAINAGE SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND E.S.C. PLAN. ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM A PRE-APPROVED SOURCE/DESTINATION AND ACCOMPANIED BY A VALID SPOKANE COUNTY GRADING PERMIT. ALL HAULING AND PLACEMENT OF GRADING ON THIS SITE SHALL BE MAY COMPLY WITH ALL OF DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO, GRADING PERMITS, S.E.P.A. REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAIN, DESIGNATED DRAINAGEWAYS, ETC.

MAINTENANCE

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF THE TEMPORARY E.S.C. MEASURES.
2. SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH PRECIPITATION/PRODUCING RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF FILTER FABRIC SHALL BE ACCOMPLISHED PROMPTLY.
4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. SEDIMENT RUNOFF/RAINFALL DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE E.S.C. STRUCTURE IS NO LONGER REQUIRED SHALL BE GRADED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
6. ALL TEMPORARY AND PERMANENT SITE DRAINAGE WATERWAYS MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
7. ALL TEMPORARY E.S.C. MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THEY ARE TEMPORARY (MEPT) AND NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON THE DISTURBANCE AREA. BROKEN BITS WILL BE REMOVED. SHALL BE PERMANENTLY STABILIZED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DIRT, MUD AND OTHER CONSTRUCTION DEBRIS WHICH MAY ACCUMULATE ON PAVED STREETS ADJACENT TO THE SITE AS A RESULT OF CONSTRUCTION ACTIVITIES. USE OF A "STREET VACCUM" MAKES USING SWEEPING AND WATER TO WASH THE CONSTRUCTION DEBRIS FROM THE STREET.
9. ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY USING WATER. APPLICATIONS OF WATER MAY BE REQUIRED SEVERAL TIMES PER DAY DURING CONSTRUCTION ACTIVITY.

CERTIFICATION STATEMENT: I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL PLAN MEETS THE E.S.C. REQUIREMENTS AS LISTED IN CHAPTER 4.3 OF THE **SPOKANE COUNTY** GUIDELINES FOR STORMWATER MANAGEMENT.

ENGINEER

VICINITY MAP

STREETS
SPOKANE COUNTY ENGINEERS
1026 WEST BROADWAY AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 509-477-3600
FAX: 509-477-7479
CONTACT: MATT ZARECOR, P.E.

TELEPHONE
QWEST
801 NORTH COLUMBIS
SPOKANE, WASHINGTON, 99202
PHONE: 509-422-2300
FAX: 509-455-7104
CONTACT: DAVE CLARK

ENGINEER
TAYLOR & ASSOCIATE ENGINEERS
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PHONE: 509-893-2617
FAX: 509-535-0227
CONTACT: TODD M. 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 E. MISSION AVENUE
SPOKANE, WA 99202
PHONE: 509-495-8510
FAX: 509-495-8773
CONTACT: NICOLA BRUBBECK

SOLID WASTE
WASTE MANAGEMENT
PHONE: 509-466-3400

WATER PURVEYOR
CITY OF SPOKANE
914 N. HOPKINS
SPOKANE, WASHINGTON 99207
PHONE: 509-625-7600
FAX: 509-625-7616
CONTACT: CHRIS PERSSONMEET, P.E.

SURVEYOR
CLIFF CAMERON
P.O. BOX 441
SPOKANE, WASHINGTON 99005
PHONE: 509-467-3168
CONTACT: CLIFFORD E. CAMERON, P.L.S.

OWNER
LANDEE DOUGLAS, INC
14202 E. MARGERIE ROAD
SPOKANE, WA 99217
PHONE: 509-926-4893
FAX: 509-483-6532
CONTACT: LANDEE DOUGLASS

INSPECTION/STREETS
ALLIED
EAST 12008 INDIANA AVENUE
SPOKANE VALLEY, WA 99216
PHONE: 509-534-4411
FAX: 509-534-9326
CONTACT: R. E. NELSON, P.E.

CABLE
COMCAST BROADBAND
1717 EAST BURGETT
SPOKANE, WASHINGTON 99207
PHONE: 509-534-4174
FAX: 509-483-6061
CONTACT: DRYAN DAVIDSON

FIRE DEPARTMENT
FIRE DISTRICT NO. 8
12100 E. PAUOLINE HIGHWAY
SPOKANE, WA 99206
PHONE: 509-926-6939
FAX: 509-924-8356
CONTACT: DAN BLYSTONE

POWER
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99202
PHONE: 509-495-4839
FAX: 509-777-5236
CONTACT: KELLY DONAHUE

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 THE SPOKANE COUNTY ENGINEER. I APPROVE THESE PLANS FOR CONSTRUCTION.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC CONSTRUCTION PLANS
CONSTRUCTION PLANS
PROJECT # P-1938
DATE ACCEPTED: 2/8/2008
EXPIRATION DATE: 2/8/2010
PROJECT NAME: SOUTHRIDGE PUD, PHASE 2A
PROJECT LANE MILES PRIVATE: 0.7
PROJECT LANE MILES PUBLIC: 0.7
WORK WITHIN DRAINAGE EASEMENTS IS SUBJECT TO THE DRAINAGE EASEMENT MAINTENANCE AGREEMENT ON FILE WITH SPOKANE COUNTY PUBLIC WORKS
SPOKANE COUNTY ENGINEER
SPOKANE COUNTY PUBLIC WORKS

SEAL

09/09	JJR	FINAL PLAN SUBMITTAL	
05/09	RJW	ORIGINAL PLAN PREPARATION	
NO.	DATE	BY	REVISIONS

SCALE: HORIZONTAL: N.T.S. VERTICAL: N/A
PROJ #: 2005-175
DATE: 05/09/08
DRAWN: MEK
APPROVED: TRW

WCE
WHITE CRESCENT ENGINEERING
CIVIL AND ENVIRONMENTAL CONSULTANTS
10116 NORTH MONROE STREET
SPOKANE, WASHINGTON 99218
PH 509.326.4271 / FX 509.326.6271

P-1938

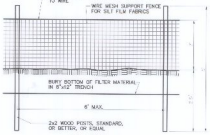
STREET AND DRAINAGE PLANS
SOUTHRIDGE PUD, PHASE 2A
EROSION CONTROL PLAN
SPOKANE COUNTY, WASHINGTON

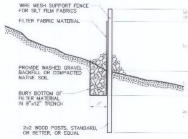
SHEET 16 OF 17
JOB NUMBER 2005-175

NAVD-88 DATUM
NGVD DATUM E 1962, 1966, 1967, 1973
VERTICAL DATUM IS NGVD 29
ELEVATION = 1,000.000
BASED ON A BRASS CAP IN CONCRETE STAMPED "AZIMUTH MONUMENT"
ELEVATION = 2,000.00

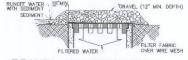
SITE PLAN
SCALE: 1" = 100'

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





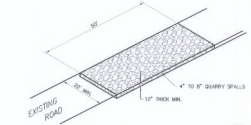
SILT FENCE DETAIL (1)
NOT TO SCALE



GRAVEL AND WIRE MESH INLET SEDIMENT FILTER (2)
NOT TO SCALE

LEGEND

- STORM DRAINAGE POND – NO CONCRETE TRUCK WASHOUT. SEE GENERAL NOTES & INFORMATION 4 AND 7, SHEET 14.
- GRAVEL AND WIRE MESH INLET SEDIMENT FILTER. SEE DETAIL 2, THIS SHEET.
- SILT FENCE. SEE DETAIL 1, THIS SHEET AND GENERAL NOTE & INFORMATION 6, SHEET 14.
- ROCK CONSTRUCTION ENTRY. SEE DETAIL 3, THIS SHEET AND GENERAL NOTE & INFORMATION 6, SHEET 14.



ROCK CONSTRUCTION ENTRY (3)
NOT TO SCALE

N
W E
S

INDEX MAP
SCALE: 1" = 1000'

NAVD-88 DATUM
MONUMENT CHKD 1344, 07'30E,
MT NO 25, 1344 NO. OF 0000-01
ELEVATION 1256.800
SPOKANE COUNTY BURL OF HIGHWAY
S RIDGE AND 25TH AVENUE
ELEVATION: 1256.800

DEVELOPERS APPROVAL DATE

NO	DATE	BY	REVISIONS
	09/20	JLR	FINAL PLAN SUBMITTAL
	08/06	RLM	ORIGINAL PLAN PREPARATION

SCALE:	PROJ #: 2005-175
HORIZONTAL: AS SHOWN	DATE: 08/28/06
	DRAWN: MEK
VERTICAL: N/A	APPROVED: TRW

WCE
WHITE CORNER ENGINEERING
1304 SOUTH GRAND BOULEVARD
SPOKANE, WASHINGTON 99202
PH: 509-455-4137 / FAX: 509-455-4151

P-1938

STREET AND DRAINAGE PLANS
SOUTHRIDGE PUD, PHASE 2A
EROSION CONTROL DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 17 OF 17
JOB NUMBER 2005-175

INDEX NO. 1.2.2.6

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 2005-175
PLAN APPROVAL DATE 08-28-06
INSPECTOR'S INITIALS JLR
PROJECTS LANE MILES: PUBLIC 0.00
PROJECT LANE MILES: PRIVATE 0.00
CONSTRUCTION CERTIFICATES AND CERTIFICATE OF COMPLETION ARE ISSUED BASED ON ADHERENCE TO COUNTY STANDARDS AND SUBMITTAL OF THE REQUIRED AS-BUILT DOCUMENTS. ADDITIONAL PERMIT REQUIRED ONLY FOR:
WATER SEWER STORM SEWER
FIRE HYDRANTS
PRESSURE REDUCING VALVES