NE1 SEC.05, T.24N., R.44E., W.M.

PONDEROSA RIDGE PHASE 3

STREET AND DRAINAGE PLANS

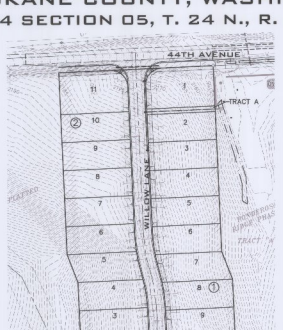
SPOKANE COUNTY, WASHINGTON

N.E. 1/4 SECTION 05, T. 24 N., R. 44 E., W.M.

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

LEGEND

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



SITE PLAN
1"=60'

RECORD DRAWING

VICINITY MAP

SHEET INDEX

0.0	COVER SHEET
0.1	GENERAL NOTES
0.2	TYPICAL SECTIONS
3.0	WILLOW LANE PLAN AND PROFILE
3.1	44TH AVENUE WIDENING PLAN AND PROFILE
5.0	DRAINAGE DETAILS
7.0	WATER COVER SHEET
~~7.1~~	~~WATER PLAN AND PROFILE~~
~~7.2~~	~~WATER GENERAL NOTES AND DETAILS~~
~~8.0~~	~~SEWER COVER SHEET~~
~~8.1~~	~~WILLOW LANE SEWER PLAN AND PROFILE~~
~~8.2~~	~~44TH AVENUE SEWER PLAN AND PROFILE~~
~~8.3~~	~~LOCUST ROAD SEWER PLAN AND PROFILE~~
~~8.4~~	~~SEWER GENERAL NOTES AND DETAILS~~
~~9.0~~	~~SWPP/EROSION CONTROL PLAN/COVER SHEET~~
~~9.1~~	~~SWPP/EROSION CONTROL NOTES AND DETAILS~~
~~9.2~~	~~SWPP/EROSION CONTROL NOTES AND DETAILS~~
~~9.3~~	~~SWPP/EROSION CONTROL NOTES AND DETAILS~~

OFFICIAL PUBLIC DOCUMENT
"AS-BUILTS"
CONSTRUCTION PLANS
APPROVED
DATE

REG. J. NELSON
22
PROFESSIONAL ENGINEER
9-21-17

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.

N
W E
S
GRAPHIC SCALE
60 0 30 60 120
(IN FEET)
1 inch = 60 ft.

ABBREVIATIONS

ACT. LGN.	ACTUAL LENGTH	CB	GRADE BREAK	PRC	POINT OF REVERSE CURVE
BOE	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	RT.	RIGHT
CSTC	CRUSHED SURFACE	LN.	LANE	RT.	RIGHT
	TOP COURSE	LT.	LEFT	SI	STREET INTERSECTION
CT.	COURT	MH	MANHOLE	SS	SANITARY SEWER
DIA.	DIAMETER	MOR	MIDDLE OF CURVE RADIUS	STA.	STATION
EOR	END OF CURVE RADIUS	PC	POINT OF CURVATURE	STA. LGN.	STATION LENGTH
EXIST.	EXISTING	PET.	PETROLEUM	TC	TOP OF GRADE
G	GRADE	PI	POINT OF INTERSECTION	TC	TOP OF CURB

SEWER
SPOKANE COUNTY UTILITIES
1026 WEST BROADWAY AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 477-7450
CONTACT: CHRIS KNUDSON

HEALTH
SPOKANE REGIONAL HEALTH
1101 WEST COLLEGE AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 324-1560-EXT
CONTACT: DON COPLET

SOLID WASTE
WASTE MANAGEMENT
PHONE: 924-9400

WATER
SPOKANE COUNTY WATER DIST 3
12225 N YAKIMA STREET
SPOKANE VALLEY, WA 99212
PHONE: 924-5000
CONTACT: TY WICK

GAS - POWER
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 495-8510
CONTACT: KEN CARLSON

INSPECTION
LIFE-EC
P. O. BOX 1566
KENDALL, WASHINGTON 99037
PHONE: 509-4262
CONTACT: PAUL T. NELSON, P.E.

FIRE
SPOKANE CO. FIRE DIST. 8
12816 E FALLSIDE HIGHWAY
VALLEY(FORD), WASHINGTON 99036
PHONE: 926-4151
CONTACT: MARTY LONG

TELEPHONE
QWEST CORP.
904 NORTH COLUMBUS
SPOKANE, WASHINGTON, 99202
PHONE: 623-0305
CONTACT: DEBORAH GEST

SURVEYOR
WHIPPLE CONSULTING ENGINEERS
2528 N. SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PHONE: 893-2617
CONTACT: JAN GORDON, P.L.S.

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

CABLE
COMCAST BROADBAND
1330 EAST BUCKEYE
SPOKANE, WASHINGTON, 99207
PHONE: 755-4717
CONTACT: BRYAN RICHARDSON

ENGINEERING
WHIPPLE CONSULTING ENGINEERS
2528 N. SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PHONE: 893-2617
CONTACT: TODD WHIPPLE, P.E.

OWNER
LANCE DOUGLASS
1402 E MAGNOLIAN RD #20
SPOKANE, WASHINGTON 99217
PHONE: 483-6532
CONTACT: LANCE DOUGLASS

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE COMPLETED
ACCEPTANCE EXPIRES
PRIVATE STREET MILES PUBLIC
PROJECT LANE MILES PRIVATE
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS ARE REQUIRED TO BE SUBMITTED TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE
SEE PROJECT FILE FOR DETAILS
NOTIFY PROJECT ENGINEER & ENGINEER CAPE PRIOR TO CONSTRUCTION

NAVD - 88
BENCH MARK NO 0384
SPOKANE COUNTY BM NP 92-25
ELEVATION OF 2129.6021
ELEV. 1746.49'

1	9/21/17	RECORD DRAWING by Inland Pacific Engineering Company
0	8/15/14	REVISED WATER SERVICES PER AVISTA
-	8/15/14	ORIGINAL PREPARATION
NO.	DATE	REVISIONS

SCALE:
HORIZONTAL: 1" = 60'
VERTICAL: N/A

PROJ #:	14-1272
DATE:	08/10/14
DRAWN:	NLH
REVIEWED:	TRW

SCALE
CIVIL ENGINEERING
SURVEYING
PLANNING
PARKING
LANDSCAPE
OTHER

WCE
WHIPPLE CONSULTING ENGINEERS
2528 N. SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PH 509.893.2617 FAX 509.893.1931

PONDEROSA RIDGE PHASE 3
COVER SHEET
44TH AVENUE & SCHAFER BRANCH ROAD
SPOKANE COUNTY, WASHINGTON

STATE OF WASHINGTON
JAN 2, 1990
TRAVIS WHIPPLE
CERTIFICATE NUMBER
22
REGISTERED PROFESSIONAL ENGINEER

SHEET
0.0

JOB NUMBER
14-1272

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
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 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 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 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 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 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 CITY OF 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 SPOKANE COUNTY ENGINEER.

19. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT APPROVAL OF SPOKANE COUNTY ENGINEERS 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 SPOKANE COUNTY DEPARTMENT OF BUILDING AND PLANNING, AT COUNTY 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.

21. THE CONTRACTOR IS CAUTIONED THAT IT IS THE UNDERSTANDING OF THE OWNER AND THE ENGINEER THAT SHOULD A CONFLICT OR DISCREPANCY IN THESE PLANS, SPECIFICATIONS, GENERAL NOTES OR PLANS ET.AL. DETERMINED TO BE PART OF THE OVERALL PROJECT, INCLUDING BUT NOT LIMITED TO THE ARCHITECTURAL PLANS, MECHANICAL PLANS, ELECTRICAL PLANS, LANDSCAPE PLANS, GENERAL SPECIAL PROVISIONS, ETC., THAT WITHOUT WRITTEN CLARIFICATION FROM THE ENGINEER, OWNER OR OTHER PROFESSIONAL, DURING THE BIDDING PROCESS, THAT IN ALL INSTANCES THE CONTRACTOR WILL BE REQUIRED TO BID THE HIGHER STANDARD. FAILURE TO DO SO MAY RESULT IN THE HIGHER STANDARD BEING REQUIRED BY THE OWNER, ENGINEER OR OTHER PROFESSIONAL WITH NO CHANGE IN VALUE TO THE CONTRACT VIA CHANGE ORDER OR OTHER MECHANISM.

22. CONSTRUCTION OF EVERY DRYWELL, INCLUDING FABRIC AND DRAINROCK, SHALL BE OBSERVED BY THE ON-SITE INSPECTOR TO CONFIRM THAT IT MEETS THE DESIGN DETAILS AND SPECIFICATIONS. DRYWELLS NOT OBSERVED SHALL HAVE THEIR PERFORMANCE VERIFIED BY A FULL-SCALE DRYWELL TEST.

23. DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ANY AND ALL INCONSISTENCIES BETWEEN THESE PLANS AND CONSTRUCTION STAKING. CONTRACTOR ASSUMES RESPONSIBILITY TO CONSTRUCT TO THESE PLANS IN LIEU OF FIELD STAKING. SHOULD INCONSISTENCIES BE APPARENT THE CONTRACTOR SHALL CONTACT THE ENGINEER, OWNER, AND SURVEYOR TO RECTIFY THE DISCREPANCY PRIOR TO CONSTRUCTION EFFORT BEING APPLIED.

GENERAL GRADING NOTES

1. CONTOURS AND / OR ELEVATIONS SHOWN ARE FOR FINISHED PAVING, SIDEWALK, SLAB, OR GROUND. ADJUSTMENT TO SUBGRADE IS THE CONTRACTOR'S RESPONSIBILITY.

2. ALL DISTURBED AREAS THAT ARE UNSURFACED OR ARE NOT DESIGNATED AS LANDSCAPE AREAS ARE TO BE SEEDED, FERTILIZED, AND WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.

3. IF DURING THE OVERLOT GRADING PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE AN UNIDENTIFIED SITUATION IS PRESENT, THE SOILS ENGINEER SHALL BE CONTACTED FOR RECOMMENDATIONS.

4. UNLESS OTHERWISE SHOWN, NO PROPOSED SLOPE SHALL EXCEED THREE (3) HORIZONTAL TO ONE (1) VERTICAL. ALL SLOPED AREAS MUST BE PROTECTED FROM EROSION.

5. IF STRIPPED MATERIALS CONSISTING OF VEGETATION AND ORGANIC MATERIALS ARE STOCKPILED ON THE SITE, TOPSOIL MAY BE PLACED TO A HEIGHT OF FIVE FEET. SILT FENCE SHALL BE PLACED AROUND THE BASE OF THE STOCKPILE AND THE STOCKPILE SHALL BE SEEDED WITH NATIVE SEED MIX IMMEDIATELY AFTER STRIPPING OPERATIONS ARE COMPLETE.

6. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SPOT ELEVATIONS THAT DO NOT APPEAR TO BE CONSISTENT WITH THE CONTOURS AND SLOPES. SPOT ELEVATIONS AND SPECIFIC PROFILE DESIGN SHALL BE USED FOR SETTING ELEVATIONS OF CURB, GUTTER, AND UTILITIES.

7. BENCHMARK VERIFICATION: CONTRACTOR SHALL USE BENCHMARKS AND DATUMS SHOWN HEREON TO SET PROJECT BENCH MARK'S), BY RUNNING A LEVEL LOOP BETWEEN AT LEAST TWO BENCHMARKS, AND SHALL PROVIDE SURVEY NOTES OF SUCH TO PROJECT ENGINEER PRIOR TO COMMENCING CONSTRUCTION.

8. ALL UTILITIES (MANHOLES, VALVE COVERS, CLEANOUTS, VAULTS, BOXES, ETC.) SHALL BE ADJUSTED TO FINAL GRADE PRIOR TO THE FINAL LIFT OF ASPHALT.

9. GRADES WITHIN ASPHALT PARKING AREAS SHALL BE CONSTRUCTED TO WITHIN 0.10 FEET OF THE DESIGN GRADE. HOWEVER, THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL PAVEMENT AREAS AND ALONG ALL CURBS. ALL CURBS SHALL BE BUILT IN ACCORDANCE TO THE PLAN. CURBS OR PAVEMENT AREAS WHICH DO NOT PROVIDE PROPER DRAINAGE MUST BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

10. SPOT ELEVATIONS REPRESENT FLOW LINE OR TOP OF ASPHALT UNLESS OTHERWISE NOTED.

11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING HIS OWN ESTIMATE OF EARTHWORK QUANTITIES.

12. WHERE NEW CURB AND GUTTER IS BEING CONSTRUCTED ADJACENT TO EXISTING ASPHALT OR CONCRETE PAVEMENT, THE FOLLOWING SHALL APPLY: PRIOR TO PLACEMENT OF ANY CONCRETE THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR VERIFY THE GRADE AND CROSS SLOPE OF THE CURB AND GUTTER FORMS. THE CONTRACTOR SHALL SUBMIT THE SLOPES AND GRADES TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF CONCRETE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SECTION WHICH DOES NOT CONFORM TO THE DESIGN OR TYPICAL CROSS SECTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CURB AND GUTTER POURS WITHOUT THE APPROVAL OF THE ENGINEER.

13. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL BUILDING PLANS AND SPECIFICATIONS.

14. PRE CAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION.

15. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIR AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.

16. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.

17. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.

18. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

19. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.

20. TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY PROVIDED BY THE OWNER . IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS. WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.

21. ALL UNSURFACED AREA DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. (CONTRACTOR SHALL PLACE SOD OR HYDROSEED DISTURBED AREAS IN ACCORDANCE WITH CITY/COUNTY SPECIFICATIONS AND MAINTAINED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.)

22. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND SITE SHALL BE CONSTRUCTED TO SAME.

23. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.

24. 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 ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

25. ENGINEER SHALL BE NOTIFIED WHEN 'CURBING STRING LINE' HAS BEEN SET, PRIOR TO CURBING BEING INSTALLED.

PAUL T NELSON
STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
9-21-17

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.

STREET GENERAL NOTES

THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT TO CONSTRUCT AND INSTALL TO PROPER WORKING ORDER. ALL IMPROVEMENTS AS DETAILED OR CALLED OUT ON THESE PLANS.

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION, CURRENT EDITION", AND AS AMENDED.

2. THE CONTRACTOR IS REQUIRED TO HAVE A VALID CONSTRUCTION PERMIT ON SITE AT ALL TIMES. THE ABSENCE OF THE PERMIT WILL RESULT IN AN IMMEDIATE SHUTDOWN OF WORK AND THE POSSIBLE REMOVAL OF THOSE ITEMS CONSTRUCTED WITHOUT THE PERMIT.

3. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.

4. 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.

5. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, TODD R WHIPPLE, P.E., @ 893-2617, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, ALLWEST, PAUL T. NELSON, P.E., @ 534-4411 AND THE SPOKANE COUNTY ENGINEER'S OFFICE, CONSTRUCTION ENGINEER, @ 477-3600.

6. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC, "AMOCO" 4545 OR APPROVED EQUAL, BETWEEN THE DRYWELL BARREL AND THE WASHED DRAINROCK AND BETWEEN THE WASHED DRAINROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD DETAIL B-1a.

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

8. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL CATCH BASINS AND DRYWELLS FROM BEING 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 ENDED. IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS THE CONTRACTOR WILL BE REQUIRED TO CLEAN OUT THE DRYWELL OR CATCH BASIN TO THE SATISFACTION OF THE CERTIFYING ENGINEER.

9. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS- GUTTER FORMS ARE THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS-GUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE GUTTER.

10. ALL DRYWELL CONNECTION PIPES SHALL BE PLACED BELOW THE DRYWELL CONE AND SHALL FLOW AS DIRECTED IN THE PLANS.

11. FOR ANY CURB GRADES LESS THAN 0.8 % (0.008 FT./FT.), A WASHINGTON STATE LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.

STORM DRAINAGE NOTES

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

2. PONDS SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THESE DRAWINGS INCLUDING GRADING, SOD, AND DRYWELL INSTALLATION. ALL PONDS WITHIN TRACTS SHALL INCLUDE AN IRRIGATION SYSTEM. ALL IRRIGATION SHALL CONFORM TO SPOKANE COUNTY POND IRRIGATION SYSTEM GUIDELINES.

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

4. CONTRACTOR SHALL PROVIDE SPOKANE COUNTY WITH AS-BUILT IRRIGATION PLANS UPON COMPLETION OF ALL POND CONSTRUCTION.

5. INSTALL "AMOCO" #4545 FILTER FABRIC (OR APPROVED EQUAL) IN ALL DRYWELLS. SEE SPOKANE COUNTY STANDARDS (1999 EDITION) SHEET B-1a FOR INSTALLATION LOCATIONS.

6. ALL PONDS 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 POND GRADE WORK, INSTALL THE IRRIGATION SYSTEM, AND PLACE THE SOD WITHIN THE PONDS FOLLOWING THE ROAD PAVING WORK.

7. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL DRAINAGE STRUCTURES FROM BEING 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 ENDED. IN THE EVENT THAT SILT OR 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 CERTIFYING ENGINEER.

8. ALL LANDSCAPE AREAS ('208' PONDS) ARE TO BE IRRIGATED BY AN 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 (90 DAY GUARANTEE). AN APPROVED BACKFLOW DEVICE SHALL BE INSTALLED TO PREVENT WATER FROM GOING BACK INTO THE WATER SUPPLY.

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). CURBING, PAVING, ETC. AS

ADJUSTMENT: AFTER INSTALLATION, ADJUST VALVES, HEADS, EMITTERS,

RECORD DRAWING

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1962-B P1940B
DATE ACCEPTED: 10/11/17

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
25462
REGISTERED
PROFESSIONAL ENGINEER

NAVD - 88
WSDOT DATUM NO 3394
LOCATED AT SR395 MP 167.35
DESIGNATION GP32395201
ELEV. 1748.432

NO.	DATE	BY	REVISIONS
	9/17		RECORD DRAWING by Inland Pacific Engineering Company
1	8/22/16	JPP	REVISED WATER SERVICES PER AVISTA
-	9/10/14	NJH	ORIGINAL PREPARATION

SCALE:	
HORIZONTAL:	N/A
VERTICAL:	N/A

PROJ #:	14-1272
DATE:	09/10/14
DRAWN:	NJH
REVIEWED:	TRW

X CIVIL
STRUCTURAL
SURVEYING
TRAFFIC
PLANNING
LANDSCAPE
OTHER

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

PONDEROSA RIDGE PHASE 3
GENERAL NOTES
44TH AVENUE & SCHAFER BRANCH ROAD
SPOKANE COUNTY, WASHINGTON

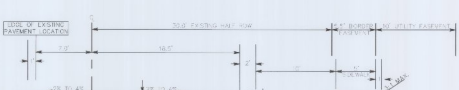
SHEET 0.1

JOB NUMBER 14-1272

NE¼, SEC.05, T.24N., R.44E., W.M.

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

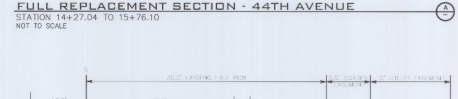
RECORD DRAWING



FULL REPLACEMENT SECTION - 44TH AVENUE

STATION 14+27.04 TO 15+76.10
NOT TO SCALE

A



WIDENING SECTION - 44TH AVENUE

STATION 13+00.04 TO 14+27.04
NOT TO SCALE

B

TYPICAL STREET SECTION - WILLOW LANE

NOT TO SCALE

C

OFFICIAL PUBLIC DOCUMENT
ORIGINAL
AS-BUILTS
CERTIFIED RECORD DRAWINGS
PROJECT #: PB2013-00003
DATE ACCEPTED: 10/30/17

HAL I. WILSON
STATE OF WASHINGTON
22482
PROFESSIONAL ENGINEER
9-21-17

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

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: _____
DATE ACCEPTED: _____
DATE PERMIT EXPIRES: _____
PROJECTS LANE MILES: PUBLIC _____
PROJECT LANE MILES: PRIVATE _____
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS ARE REQUIRED TO BE SUBMITTED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
_____ _____
AGENT TODAY DATE
SIGNATURE & SIGNOFF DATE
PRIOR TO CERTIFICATION

HAL I. WILSON
STATE OF WASHINGTON
22482
PROFESSIONAL ENGINEER

NAVD - 88
MODIFY DATUM NO. 2004
LOCKED IN AT SPOKAN MP 160.28
ELEVATION ADJUSTED 0.0000000
R.P.N. 4764-400

NO.	DATE	BY	REVISIONS
1	9/28/16	NJH	ORIGINAL PREPARATION
2	6/17		RECORD DRAWING by Inland Pacific Engineering Company

SCALE:	
HORIZONTAL:	N/A
VERTICAL:	N/A

PROJ #:	14-1272
DATE:	09/10/14
DRAWN:	NJH
REVIEWED:	TRW

DESIGN
CTL/DLJ/AL
SURVEYING
DWTR
FLM/RHJ
ARCHITECTURE
DWG

WCE
WESTERN CONSTRUCTION ENGINEERING
22208 NORTH FLANAGAN ROAD
VERMILANE, WA 99114 - 9541
PH 509-455-9617 FAX 509-465-3627

PONDEROSA RIDGE PHASE 3
TYPICAL SECTIONS
44TH AVENUE & SCHAFER BRANCH ROAD
SPOKANE COUNTY, WASHINGTON

SHEET
0.2

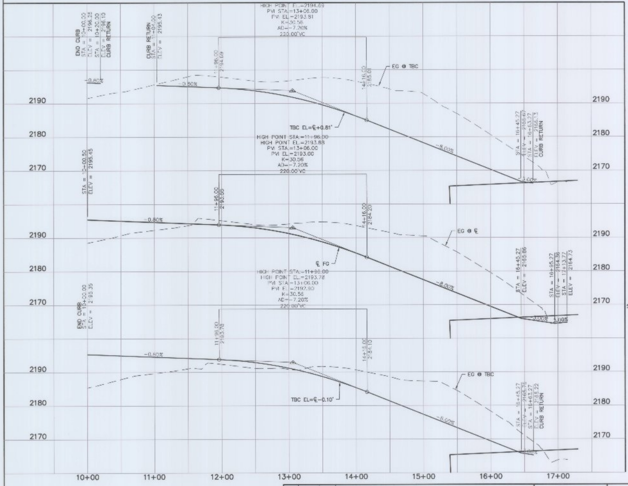
JOB NUMBER
14-1272

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL ROADWAY SECTION PER TYPICAL STREET SECTION—WILLOW LANE, DETAIL C, SHEET 0.2.
2. PROVIDE AND INSTALL TYPE B VERTICAL CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3.
3. ~~PROVIDE AND INSTALL 27' CONCRETE DRIVEWAY.~~ SEE DETAIL 2, THIS SHEET.
4. PROVIDE AND INSTALL STOP SIGN AND STREET SIGN PER SPOKANE COUNTY STANDARDS AND SPECIFICATIONS.
5. PROVIDE AND INSTALL 5' WIDE SIDEWALK PER SPOKANE COUNTY STANDARDS AND SPECIFICATIONS.
6. PROVIDE AND INSTALL PEDESTRIAN RAMP PER SPOKANE COUNTY STANDARD PLAN A-5 DESIGN B.
7. NO CURB INLETS INSTALLED ~~PROVIDE AND INSTALL TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8.~~
8. PROVIDE AND INSTALL 77 LF OF 18" DI ~~CMP~~ CULVERT UNDER WILLOW LANE ALONG 44TH AVENUE. IE NORTH=2165.97 IE SOUTH=2159.65

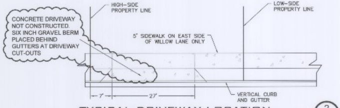
FILTER FABRIC WRAPPED AROUND BOTH ENDS OF THE PIPE AND DEPRESSIONS FILLED WITH DRAINAGE ROCK

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



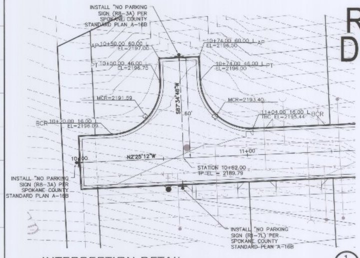
Curve Table

Curve #	Length	Radius	Delta
C1	47.12	30.00	90.00
C2	47.12	30.00	90.00
C3	71.94	300.00	13.74
C5	47.12	30.00	90.00
C6	47.12	30.00	90.00



TYPICAL DRIVEWAY LOCATION (2)
NOT TO SCALE

RECORD DRAWING



INTERSECTION DETAIL (1)
HAMMERHEAD TURNAROUND
SCALE: 1"=20'

SPOKANE COUNTY ENGINEERS OFFICE — OFFICIAL PUBLIC DOCUMENT ORIGINAL "AS-BUILTS" CERTIFIED RECORD DRAWINGS PROJECT #: P1968 P1940B DATE ACCEPTED: 10/11/17

PAUL T NELSON — STATE OF WASHINGTON — PROFESSIONAL ENGINEER — 9-21-17

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.

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 — 25462 REGISTERED PROFESSIONAL ENGINEER

NAVD - 88
WSDOT DATUM NO 3394
LOCATED AT SR395 MP 187.36
DESIGNATION GP03395201
ELEV. 1748.432

NO.	DATE	BY	REVISIONS
	9/17		RECORD DRAWING by Inland Pacific Engineering Company
1	6/22/16	JPP	REVISED WATER SERVICES PER AVISTA
-	9/10/14	NJH	ORIGINAL PREPARATION

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

PROJ #: 14-1272
DATE: 09/10/14
DRAWN: NJH
REVIEWED: TRW

X CIVIL / STRUCTURAL / SURVEYING / TRAFFIC / PLANNING / LANDSCAPE / OTHER

WCE — WHIPPLE CONSULTING ENGINEERS, 2528 NORTH SULLIVAN ROAD, SPOKANE VALLEY, WA 99216

PONDEROSA RIDGE PHASE 3
WILLOW LANE PLAN AND PROFILE
44TH AVENUE & SCHAFER BRANCH ROAD
SPOKANE COUNTY, WASHINGTON

SHEET 3.0
JOB NUMBER 14-1272

NE¼ SEC.05, T.24N., R.44E., W.M.

RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL MEMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL ROADWAY WIDENING PER FULL REPLACEMENT SECTION AND WIDENING SECTION, SEE DETAILS A AND B SHEET 0.2.
2. PROVIDE AND INSTALL TYPE B VERTICAL CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3.
3. SAWCUT EXISTING ASPHALT TO PROVIDE A CLEAN VERTICAL EDGE, TACK COAT AND MATCH TO EXISTING ASPHALT WITH NEW ASPHALT.
4. PROVIDE AND INSTALL STOP SIGN AND STREET SIGN PER SPOKANE COUNTY STANDARDS AND SPECIFICATIONS.
5. PROVIDE AND INSTALL 5' WIDE SIDEWALK PER SPOKANE COUNTY STANDARDS AND SPECIFICATIONS.
6. PROVIDE AND INSTALL PEDESTRIAN RAMP PER SPOKANE COUNTY STANDARD PLAN A-5 DESIGN B.
7. PROVIDE 50' TAPER FROM EXISTING EDGE OF PAVEMENT TO NEW CONCRETE GUTTER. SEE CALCULATIONS, THIS SHEET.

TAPER CALCULATIONS

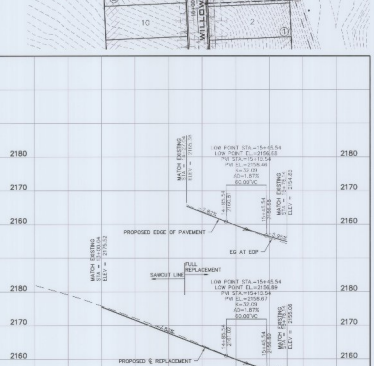
$L=W(S^2)/60$

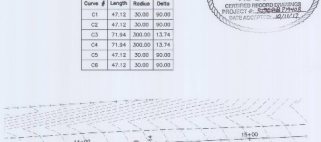
$5.81(35^2)/60=118'$

$118'/2=59'$ (ARRIVING)

Curve Table			
Curve #	Length	Radius	Delta
C1	47.12	30.00	90.00
C2	47.12	30.00	90.00
C3	71.94	300.00	13.74
C4	71.94	300.00	13.74
C5	47.12	30.00	90.00
C6	47.12	30.00	90.00

SPOKANE COUNTY ENGINEERS
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWING
PROJECT # 14-1272
DATE ACCEPTED: 10/16/17





INTERSECTION DETAIL

44TH AVENUE AND WILLOW LANE
SCALE:1"=40'

2

9-21-17

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #:
DATE ACCEPTED:
DATE EXPIRES:
PROJECTS LANE MILES: PUBLIC:
PROJECT LANE MILES: PRIVATE:
CONSTRUCTION ENCUMBRACTION AND DEFERRED IMPROVEMENTS ARE NOT ACCEPTED FOR MAINTENANCE TO COUNTY OWERSHIP, AND ESTABLISHMENT OF THE ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE BY COUNTY IS NOT ACCEPTED.
ACCEPT PUBLIC DEDICATED & DEDICATED DATE FOR TO CONSOLIDATION

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.

NAVD - 88
ABOVE MEAN SEA LEVEL
VERTICAL DATUM NGVD 1929
ON BENCHMARK ESPOSSEN
ELEV. 1749.400

NO	DATE	BY	REVISIONS
	8/17		RECORD DRAWING by Inland Pacific Engineering Company
1	9/22/16	JPP	REVISED WATER SERVICES PER AVISTA
0	9/16/14	NJH	ORIGINAL PREPARATION

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

PROJ #:	14-1272
DATE:	09/10/14
DRAWN:	NJH
REVIEWED:	TRW

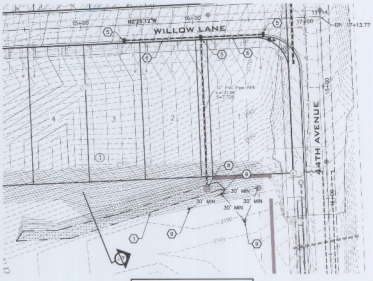
	STRUCTURAL
	MARKETING
	TRAFFIC
	PLANNING
	ARCHITECT
	CIVIL

WCE
WHITLE CONSULTING ENGINEERS
1115 N. MAYFAIR STREET
SPOKANE WA 99217-5515
PH. 509.924.9500 FAX. 509.924.9290

PONDEROSA RIDGE PHASE 3
44TH AVENUE IMPROVEMENTS
44TH AVENUE & SCHAFER BRANCH ROAD
SPOKANE COUNTY, WASHINGTON

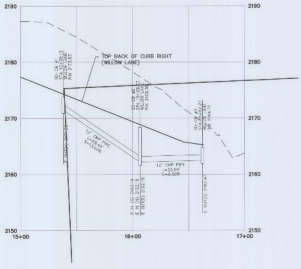
SHEET
3.1
JOB NUMBER
14-1272

NE¼, SEC.05, T.24N., R.44E., W.M.



POND A

FINISHED GRADE SWALE BOTTOM EL=2152
SWALE BOTTOM AREA PROVIDED=1,485 S.F.
SWALE BOTTOM AREA REQUIRED=1,472 S.F.
MINIMUM BERM ELEV.=2157

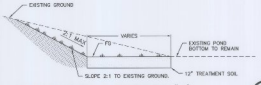


CONSTRUCTION NOTES

1. INCREASE THE SIZE OF THE EXISTING POND BOTTOM PER SECTION A, THIS SHEET. INCREASED AREA TO BE SEEDED WITH SIRTLAND GRASS.
2. NOT USED
3. NOT USED
4. NOT USED
5. PROVIDE AND INSTALL CITY OF SPOKANE TYPE 4 CATCH BASIN WITH FRAME AND VANED GRATE IN ROTATED INSTALLATION PER CITY OF SPOKANE DETAIL B-1017.
6. PROVIDE AND INSTALL 12" D. STORM PIPE PER SPOKANE COUNTY STANDARDS AND SPECIFICATIONS. LENGTH AND SLOPE PER PLAN AND PROFILE.
7. NOT USED
8. PROVIDE AND INSTALL BIF RIP RAP PAD AT THE END OF THE 12" STORM DRAIN. PAD SHOULD BE 6' BY 6' WITH 6" TO 18" DIAMETER, ANGULAR ROCK 50 PERCENT 12" DIAMETER ANGULAR ROCK.
9. PROVIDE AND INSTALL TYPE 2 DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-1A. MAINTAIN 30' SEPARATION BETWEEN ALL DRYWELLS.

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

RECORD DRAWING



TYPICAL POND SECTION "A" (A)

NOT TO SCALE

NOTE:
PROVIDE FILTER FABRIC (AMOCO 4545 OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK

IF TWO OR MORE CURB INLETS ARE USED, SET POND BOTTOM WITH RESPECT TO THE LOWEST CURB INLET GUTTER FLOWLINE ELEVATION

WARNING – THE USE OF SILTY LOAM IS PROHIBITED AS POND BOTTOM MATERIAL.

TREATMENT SOIL NOTE:
12" OF TREATMENT SOIL WITH AN INFILTRATIVE RATE BETWEEN 0.25 AND 0.3 INCHES/HOUR AND AVERAGE CATION EXCHANGE CAPACITY OF AT LEAST 15 MILLIEQUIVALENTS/100 GRAMS OR AT LEAST 2% OF ORGANIC MATTER BY WEIGHT. SEE TABLE 6-1, PG. 6-16 OF THE SPOKANE REGIONAL STORMWATER MANUAL.

WARNING – THE USE OF SILTY LOAM IS PROHIBITED AS POND BOTTOM MATERIAL.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWING
PROJECT #: 14-1272
DATE ACCEPTED: 10/10/17

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.

9-21-17

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #:
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECTS LAND MILES PUBLIC
PROJECT LAND MILES PRIVATE
ORIGINAL DOCUMENT ON FILE AT THE CERTIFIED RECORD DRAWINGS "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ENTITLEMENT OF THE BOND REDUCTION. SEE PROJECT FILE FOR REQUIRED PERMIT REQUIRED (SEE RPT-3B)
ACCPT PERMIT ISSUED 2 3/2013 DATE
ORIGINAL DOCUMENT ON FILE

NAVD - 88
ASSOC1 GEOLM NO 3356
LOCK1 S22 ST GEOM MP 167.39
DESIGN1 NON GPS2005201
GLTY - VR-100

6/17		RECORD DRAWING by Inland Pacific Engineering Company	
1	8/22/16	JPF	REVISED WATER SERVICES PER AVISTA
	9/10/14	NJH	ORIGINAL PREPARATION
NO	DATE	BY	REVISION

SCALE:
HORIZONTAL: 1"=30'
VERTICAL: 1" = 6'

PROJ #:	14-1272
DATE:	09/10/14
DRAWN:	NJH
REVIEWED:	TRW

SCALE
CITY / COUNTY
SURVEYOR
PARK R/W
PLANNING
LANDSCAPE
OTHER

IWCE
WARREN OWENS ENGINEERING
SUBMITTAL ONLY
PH 509-926-3077 FAX 509-926-0227

PONDEROSA RIDGE PHASE 3
DRAINAGE PLAN
44TH AVENUE & SCHAFER BRANCH ROAD
SPOKANE COUNTY, WASHINGTON

SHEET
5.0

JOB NUMBER
14-1272