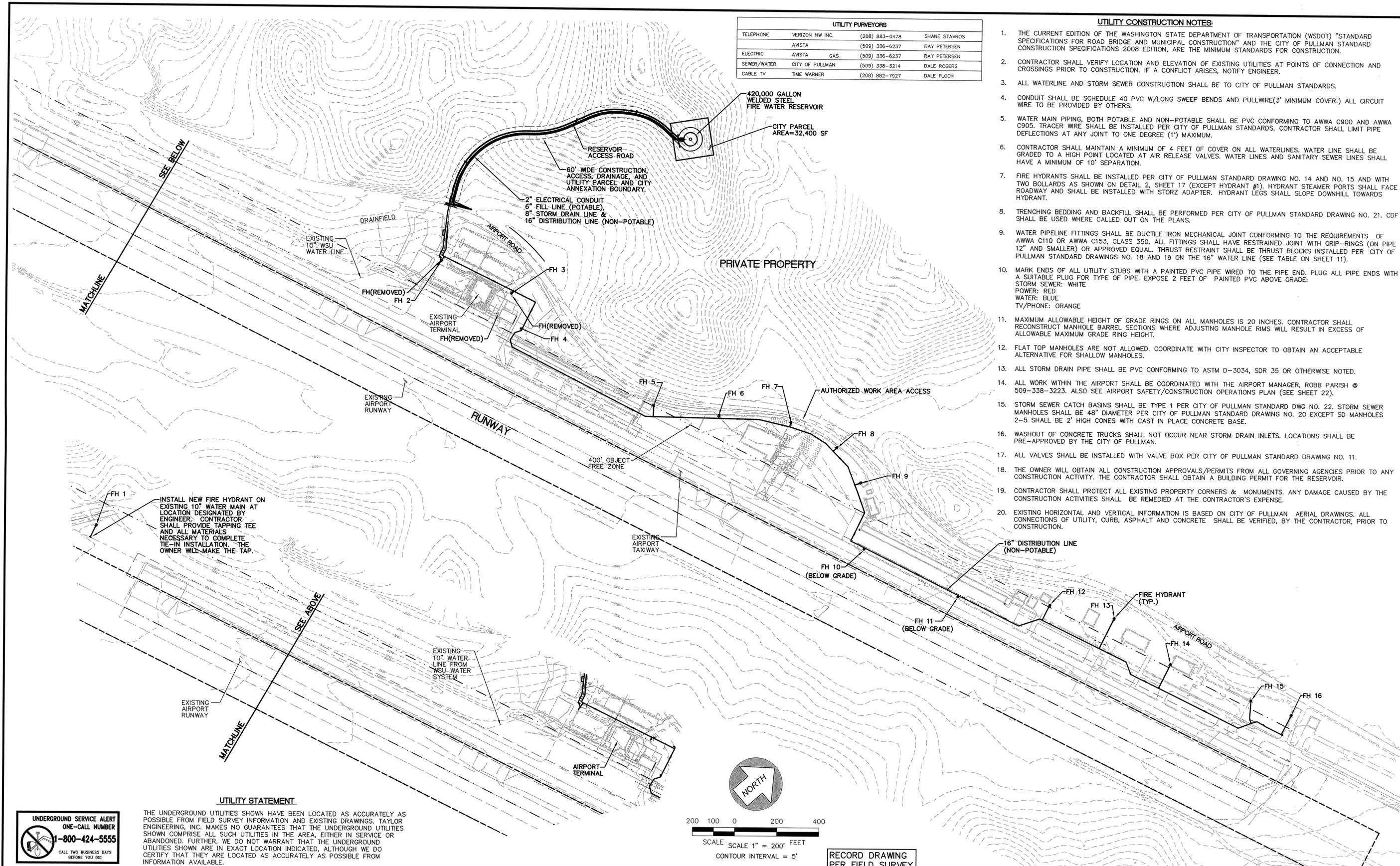


UTILITY PURVEYORS			
TELEPHONE	VERIZON NW INC.	(208) 883-0478	SHANE STAVROS
	AVISTA	(509) 336-6237	RAY PETERSEN
ELECTRIC	AVISTA GAS	(509) 336-6237	RAY PETERSEN
SEWER/WATER	CITY OF PULLMAN	(509) 338-3214	DALE ROGERS
CABLE TV	TIME WARNER	(208) 882-7927	DALE FLOCH

UTILITY CONSTRUCTION NOTES:

1. THE CURRENT EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) "STANDARD SPECIFICATIONS FOR ROAD BRIDGE AND MUNICIPAL CONSTRUCTION" AND THE CITY OF PULLMAN STANDARD CONSTRUCTION SPECIFICATIONS 2008 EDITION, ARE THE MINIMUM STANDARDS FOR CONSTRUCTION.
2. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES AT POINTS OF CONNECTION AND CROSSINGS PRIOR TO CONSTRUCTION. IF A CONFLICT ARISES, NOTIFY ENGINEER.
3. ALL WATERLINE AND STORM SEWER CONSTRUCTION SHALL BE TO CITY OF PULLMAN STANDARDS.
4. CONDUIT SHALL BE SCHEDULE 40 PVC W/LONG SWEEP BENDS AND PULLWIRE(3" MINIMUM COVER.) ALL CIRCUIT WIRE TO BE PROVIDED BY OTHERS.
5. WATER MAIN PIPING, BOTH POTABLE AND NON-POTABLE SHALL BE PVC CONFORMING TO AWWA C900 AND AWWA C905. TRACER WIRE SHALL BE INSTALLED PER CITY OF PULLMAN STANDARDS. CONTRACTOR SHALL LIMIT PIPE DEFLECTIONS AT ANY JOINT TO ONE DEGREE (1') MAXIMUM.
6. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4 FEET OF COVER ON ALL WATERLINES. WATER LINE SHALL BE GRADED TO A HIGH POINT LOCATED AT AIR RELEASE VALVES. WATER LINES AND SANITARY SEWER LINES SHALL HAVE A MINIMUM OF 10' SEPARATION.
7. FIRE HYDRANTS SHALL BE INSTALLED PER CITY OF PULLMAN STANDARD DRAWING NO. 14 AND NO. 15 AND WITH TWO BOLLARDS AS SHOWN ON DETAIL 2, SHEET 17 (EXCEPT HYDRANT #1). HYDRANT STEAMER PORTS SHALL FACE ROADWAY AND SHALL BE INSTALLED WITH STORZ ADAPTER. HYDRANT LEGS SHALL SLOPE DOWNHILL TOWARDS HYDRANT.
8. TRENCHING BEDDING AND BACKFILL SHALL BE PERFORMED PER CITY OF PULLMAN STANDARD DRAWING NO. 21. CDF SHALL BE USED WHERE CALLED OUT ON THE PLANS.
9. WATER PIPELINE FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT CONFORMING TO THE REQUIREMENTS OF AWWA C110 OR AWWA C153, CLASS 350. ALL FITTINGS SHALL HAVE RESTRAINED JOINT WITH GRIP-RINGS (ON PIPE 12" AND SMALLER) OR APPROVED EQUAL. THRUST RESTRAINT SHALL BE THRUST BLOCKS INSTALLED PER CITY OF PULLMAN STANDARD DRAWINGS NO. 18 AND 19 ON THE 16" WATER LINE (SEE TABLE ON SHEET 11).
10. MARK ENDS OF ALL UTILITY STUBS WITH A PAINTED PVC PIPE WIRED TO THE PIPE END. PLUG ALL PIPE ENDS WITH A SUITABLE PLUG FOR TYPE OF PIPE. EXPOSE 2 FEET OF PAINTED PVC ABOVE GRADE:
STORM SEWER: WHITE
POWER: RED
WATER: BLUE
TV/PHONE: ORANGE
11. MAXIMUM ALLOWABLE HEIGHT OF GRADE RINGS ON ALL MANHOLES IS 20 INCHES. CONTRACTOR SHALL RECONSTRUCT MANHOLE BARREL SECTIONS WHERE ADJUSTING MANHOLE RIMS WILL RESULT IN EXCESS OF ALLOWABLE MAXIMUM GRADE RING HEIGHT.
12. FLAT TOP MANHOLES ARE NOT ALLOWED. COORDINATE WITH CITY INSPECTOR TO OBTAIN AN ACCEPTABLE ALTERNATIVE FOR SHALLOW MANHOLES.
13. ALL STORM DRAIN PIPE SHALL BE PVC CONFORMING TO ASTM D-3034, SDR 35 OR OTHERWISE NOTED.
14. ALL WORK WITHIN THE AIRPORT SHALL BE COORDINATED WITH THE AIRPORT MANAGER, ROBB PARISH @ 509-338-3223. ALSO SEE AIRPORT SAFETY/CONSTRUCTION OPERATIONS PLAN (SEE SHEET 22).
15. STORM SEWER CATCH BASINS SHALL BE TYPE 1 PER CITY OF PULLMAN STANDARD DWG NO. 22. STORM SEWER MANHOLES SHALL BE 48" DIAMETER PER CITY OF PULLMAN STANDARD DRAWING NO. 20 EXCEPT SD MANHOLES 2-5 SHALL BE 2' HIGH CONES WITH CAST IN PLACE CONCRETE BASE.
16. WASHOUT OF CONCRETE TRUCKS SHALL NOT OCCUR NEAR STORM DRAIN INLETS. LOCATIONS SHALL BE PRE-APPROVED BY THE CITY OF PULLMAN.
17. ALL VALVES SHALL BE INSTALLED WITH VALVE BOX PER CITY OF PULLMAN STANDARD DRAWING NO. 11.
18. THE OWNER WILL OBTAIN ALL CONSTRUCTION APPROVALS/PERMITS FROM ALL GOVERNING AGENCIES PRIOR TO ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL OBTAIN A BUILDING PERMIT FOR THE RESERVOIR.
19. CONTRACTOR SHALL PROTECT ALL EXISTING PROPERTY CORNERS & MONUMENTS. ANY DAMAGE CAUSED BY THE CONSTRUCTION ACTIVITIES SHALL BE REMEDIATED AT THE CONTRACTOR'S EXPENSE.
20. EXISTING HORIZONTAL AND VERTICAL INFORMATION IS BASED ON CITY OF PULLMAN AERIAL DRAWINGS. ALL CONNECTIONS OF UTILITY, CURB, ASPHALT AND CONCRETE SHALL BE VERIFIED, BY THE CONTRACTOR, PRIOR TO CONSTRUCTION.



UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED AS ACCURATELY AS POSSIBLE FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. TAYLOR ENGINEERING, INC. MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHER, WE DO NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN EXACT LOCATION INDICATED, ALTHOUGH WE DO CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.



No.	Date	By	Ckd.	Appr.	Revisions
1	2/10	DWC		CRG	RECORD DRAWINGS

Drawn	Date
BDB	4/09
Designed	CRG
	11/08
Checked By	RGP
	6/09

The Engineer's Seal was removed during the As-Built process. The information of record is as follows:
REGISTERED PROFESSIONAL ENGINEER
 STATE OF WASHINGTON
 LICENSE NO. 179639
 EXPIRES 6/30/09

Taylor Engineering, Inc.
 Civil Design and Land Planning
 245 E. Main St.
 Pullman, Washington 99163
 (509) 334-5115 FAX (509) 334-5856

VERTICAL DATUM:
NAVD 83

RECORD DRAWING
PER FIELD SURVEY



SCALE
 HORIZ. 1"=200'
 VERT. N/A

AIRPORT FIRE FLOW SYSTEM		WATER
OVERALL SITE PLAN		SHEET
		2
		22