STREET AND DRAINAGE PLANS
WOOLARD RANCH
SE. 1/4 OF SECT. 11, T. 27 N., R. 43 E. W.M.
SPOKANE COUNTY, WASHINGTON

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

RECORD DRAWING

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 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 THE **SPOKANE COUNTY** AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND 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 A 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 AND 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.

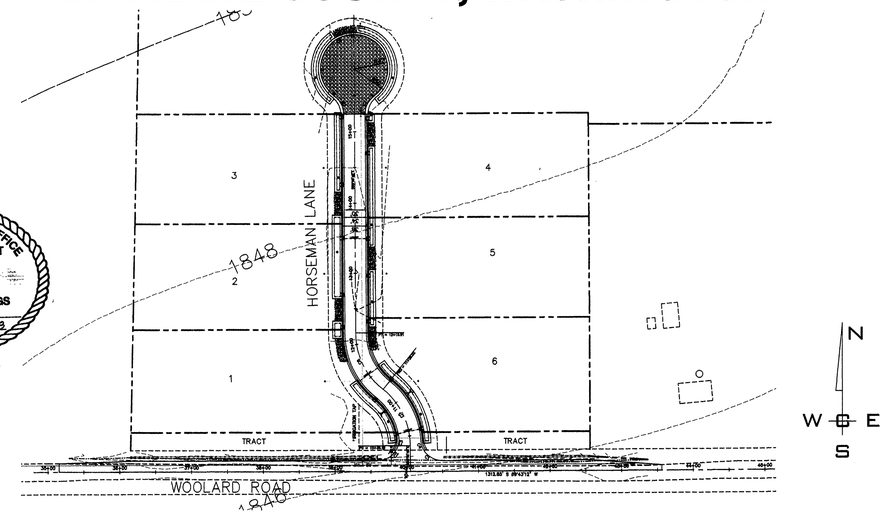
16. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE **SPOKANE COUNTY** ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.

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 A REQUIREMENT FROM THE **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 THE APPROVAL BY THE **SPOKANE COUNTY** ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1961
DATE ACCEPTED: 8/20/08



SITE PLAN
SCALE: 1" = 100'

VICINITY MAP

LEGEND

EXISTING	GENERAL	PROPOSED
	ROADWAY CENTER LINE	
	RIGHT OF WAY LINE	
	PROPERTY LINE	
	EASEMENT LINE	
	FENCE	
	CURB	
	PAVEMENT	
	GRAVEL	
	CONCRETE	
	BUILDINGS & STRUCTURES	
	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	

INDEX TO PLAN SHEETS

SHEET NO. 1 COVER SHEET

SHEET NO. 2 SECTION AND DETAILS

SHEET NO. 3 WOOLARD ROAD

SHEET NO. 4 HORSEMAN LANE

SHEET NO. 5 SWALE DETAILS

SHEET NO. 6 SWALE DETAILS

SHEET NO. 7 EROSION CONTROL PLAN

ROADWAYS
SPOKANE COUNTY ENGINEERING
1026 WEST BROADWAY AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 509-477-3600
FAX: 509-477-7655
CONTACT: MATT ZARECOR, P.E.

BUILDING OFFICIAL
SPOKANE COUNTY
1026 WEST BROADWAY AVE.
SPOKANE, WASHINGTON 99260
PHONE: 509-477-7200
FAX: 509-477-4703
CONTACT: KATHY SANDERS

NATURAL GAS
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-495-4744
FAX: 509-495-8713
CONTACT: LOIS McCAIN

FIRE DEPARTMENT
FIRE DISTRICT NO. 4
3219 E. CHATTROY ROAD
CHATTROY, WASHINGTON 99003
PHONE: 509-467-4500
FAX: 509-467-6032
CONTACT: JOE KRIZANIC

TELEPHONE
QWEST
904 NORTH COLUMBUS
SPOKANE, WASHINGTON, 99202
PHONE: 509-455-2580
FAX: 509-477-4703
CONTACT: DAVE CLARK

POWER
INLAND POWER AND LIGHT
320 EAST 2ND. AVENUE
SPOKANE, WA 99202
PHONE: 509-747-7151
FAX: 509-747-7987
CONTACT: MARY SHELLEY

WATER PURVEYOR
WHITWORTH WATER DISTRICT NO. 2
N. 10828 WAIKIKI
SPOKANE, WASHINGTON 99248
PHONE: 509-466-0550
FAX: 509-467-1830
CONTACT: DOUG BABIN

CABLE
COMCAST BROADBAND
1717 EAST BUCKEYE
SPOKANE, WASHINGTON, 99207
PHONE: 509-484-4931
FAX: 509-483-9261
CONTACT: JOEL BORST

SOLID WASTE
WASTE MANAGEMENT
PHONE: 509-466-3400

SURVEYOR
ROBERT ADAMS, P.L.S.
3914 E. CONGRESS AVENUE
SPOKANE, WASHINGTON 99223
PHONE: 509-879-3329
CONTACT: ROBERT ADAMS, P.L.S.

INSPECTION
ALLWEST
1010 N. LAKE ROAD
SPOKANE, WASHINGTON 99212
PHONE: 509-534-4411
FAX: 509-534-9326
CONTACT: PAUL T. NELSON, P.E.

ENGINEER
WHIPPLE CONSULTING ENGINEERS
13218 EAST SPRAGUE AVENUE
SPOKANE VALLEY, WA 99216
PHONE: 509-893-2617
FAX: 509-926-0227
CONTACT: TODD WHIPPLE, P.E.

OWNER
DOUGLAS PARCEL, LLC
P.O. BOX 234
COLBERT, WASHINGTON 99217
PHONE: 509-487-9792
FAX: 509-487-1580

PAUL T. NELSON STATE OF WASHINGTON 37228 REGISTERED PROFESSIONAL ENGINEER 8-12-08
EXPIRES 11/24/08

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.

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.

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., @ 458-6840, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, ALL-WEST, PAUL 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 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.

ABBREVIATIONS

SS	SANITARY SEWER	PI	POINT OF INTERSECTION	STA.	STATION
WM	WATER MAIN	PC	POINT OF CURVE	G.	GRADE
MH	MANHOLE	PT	POINT OF TANGENCY	GB	GRADE BREAK
EXIST.	EXISTING	PRC	POINT OF REVERSE CURVE	I.E.	INVERT ELEVATION
CO.	SEWER CLEANOUT	CT	COURT	RIM EL.	RIM ELEVATION
HYD.	HYDRANT	RD.	ROAD	DIA.	DIAMETER
RT.	RIGHT	LN.	LANE	SI	STREET INTERSECTION
LT.	LEFT	STA. L.	STATION LENGTH	BDRY.	BOUNDARY
		ACT L.	ACTUAL LENGTH	PET.	PETROLEUM

N.A.V.D. 88 DATUM
SPOKANE COUNTY MONUMENT AT THE SOUTHEAST ONE QUARTER CORNER OF SECTION 11, TOWNSHIP 27 NORTH, RANGE 43 EAST, W.M.
ELEVATION=1850.04

DEVELOPER'S APPROVAL — DATE

8/12/08 RECORD DRAWING
by ALLWEST TESTING AND ENGINEERING

NO.	DATE	BY	REVISIONS
5	08/10	RLM	SUBMITTAL FOR APPROVAL
4	04/18	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	03/15	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	03/03	RLM	1ST. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
1	11/22	RLM	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: AS-SHOWN

PROJ #: 2005-124
DATE: 12/27/05
DRAWN: RLM
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
13218 E. SPRAGUE AVENUE
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET AND DRAINAGE PLANS
WOOLARD RANCH
COVER SHEET
SPOKANE COUNTY, WASHINGTON

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
EXPIRES 9/24

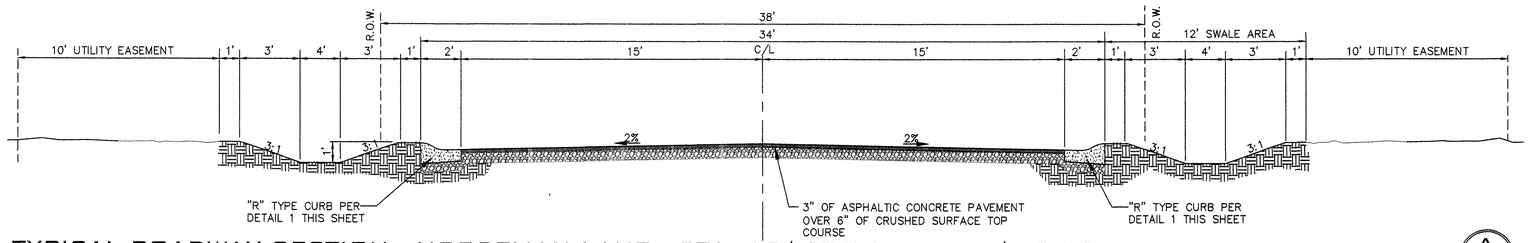
SHEET 1 OF 7
JOB NUMBER 2005-124

P.1961 Eng As Built

L:\2006-117T Woolard Ranch\dwg\asbuilt street 1.dwg, Layout1, 8/12/2008 8:44:39 AM, 1:1

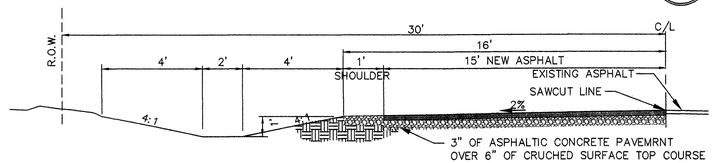
RECORD DRAWING

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



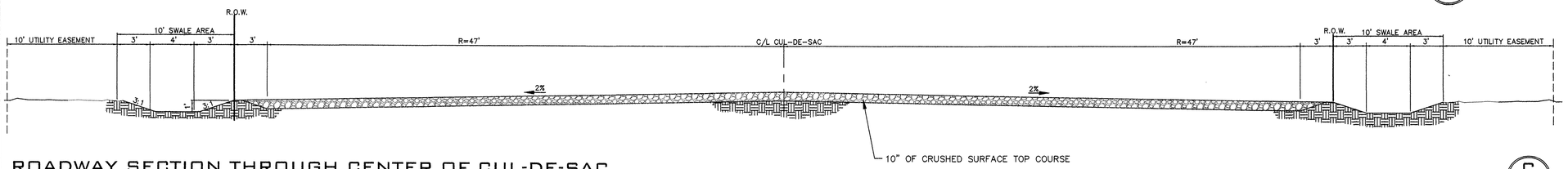
TYPICAL ROADWAY SECTION - HORSEMAN LANE - STA. 10+25 TO STA. 15+23.99 (A)

NOT TO SCALE



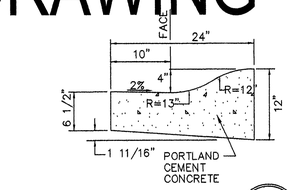
TYPICAL ROADWAY SECTION - WOOLARD ROAD (B)

NOT TO SCALE



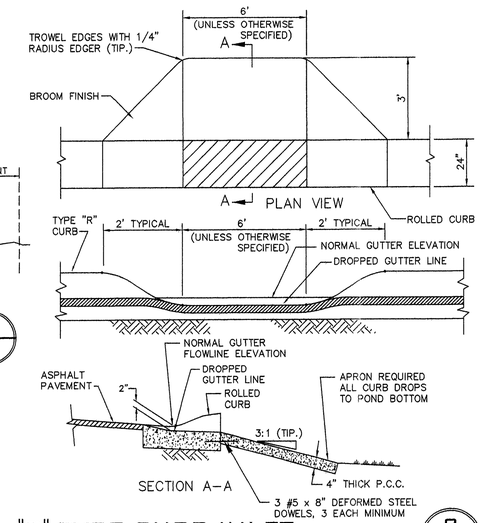
ROADWAY SECTION THROUGH CENTER OF CUL-DE-SAC (C)

NOT TO SCALE



TYPE "R" CURB (1)

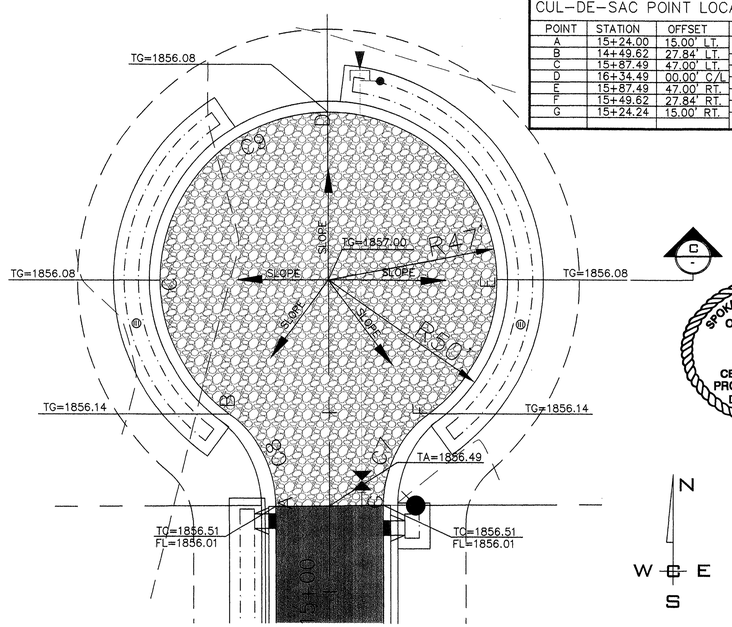
NOT TO SCALE



"R" TYPE CURB INLET (2)

NOT TO SCALE

CUL-DE-SAC POINT LOCATION					
POINT	STATION	OFFSET	RADIUS	DISTANCE	ELEVATION
A	15+24.00	15.00' LT.	31.50'	29.75'	1856.51
B	14+49.62	27.84' LT.	47.00'	44.03'	1856.14
C	15+87.49	47.00' LT.	47.00'	74.06'	1856.08
D	16+34.49	00.00' C/L	47.00'	73.60'	1856.08
E	15+87.49	47.00' RT.	47.00'	44.03'	1856.14
F	15+49.62	27.84' RT.	31.50'	29.51	1856.51
G	15+24.24	15.00' RT.			



CUL-DE-SAC DETAIL (3)

SCALE: 1" = 20'

N.A.V.D. 88 DATUM

SPOKANE COUNTY MONUMENT AT THE SOUTHEAST ONE QUARTER CORNER OF SECTION 11, TOWNSHIP 27 NORTH, RANGE 43 EAST, W.M.
ELEVATION=1850.04

DEVELOPER'S APPROVAL DATE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1961
DATE ACCEPTED: 8/20/08

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
8/12/08
EXPIRES 11/24/09

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.

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, SOD, 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 "208" SWALES 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 SWALE 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 SWALES WITHIN THE COUNTY RIGHT-OF-WAY, IN THE AREA ASSOCIATED WITH THIS PROJECT, SHALL BE COMPLETED DURING THE CONSTRUCTION OF THE ROADWAY. THE CONTRACTOR SHALL PERFORM THE 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 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' SWALES) 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, CURBING, PAVING, ETC. AS

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

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

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

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

9. THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDE SLOPES OF THE SWALE UP TO THE G.P.A. OVERFLOW ELEVATION OR TOP OF DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE G.P.A. SWALE SHALL BE A MEDIUM TO WELL-DRAINING MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL G.P.A. SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE **SPOKANE COUNTY** ENGINEER'S OFFICE PRIOR TO INSTALLING FINISHED LANDSCAPING/SOD AND PRIOR TO FINAL ACCEPTANCE, THE SWALE 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 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
EXPIRES 9/24/

NO.	DATE	BY	REVISIONS
	8/12/08		RECORD DRAWING by ALLWEST TESTING AND ENGINEERING
5	05/10	RLM	SUBMITTAL FOR APPROVAL
4	04/18	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	03/15	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	03/03	RLM	1ST. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
1	12/27	RLM	ORIGINAL PLAN PREPARATION

SCALE: HORIZONTAL: AS SHOWN; VERTICAL: AS SHOWN

PROJ #: 2005-124
DATE: 12/27/05
DRAWN: RLM
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
13218 E. SPRAGUE AVENUE
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET AND DRAINAGE PLANS
WOOLARD RANCH
HORSEMAN LANE, DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 2 OF 7

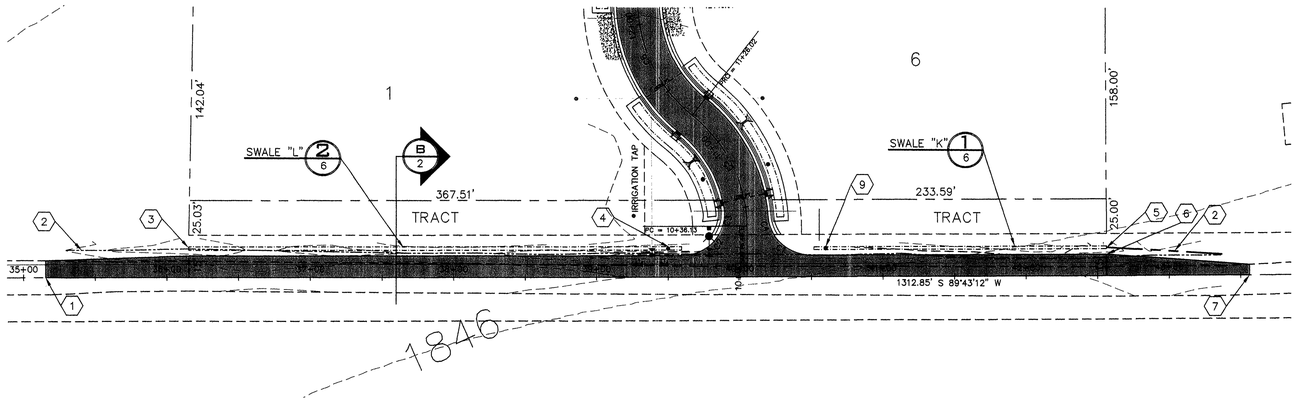
JOB NUMBER 2005-124

P1961 Eng As Built

L:\206-117T Woolard Ranch\dwg\asbuilt street 2.dwg, Layout1, 8/12/2008 8:44:48 AM, 1:1

RECORD DRAWING

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



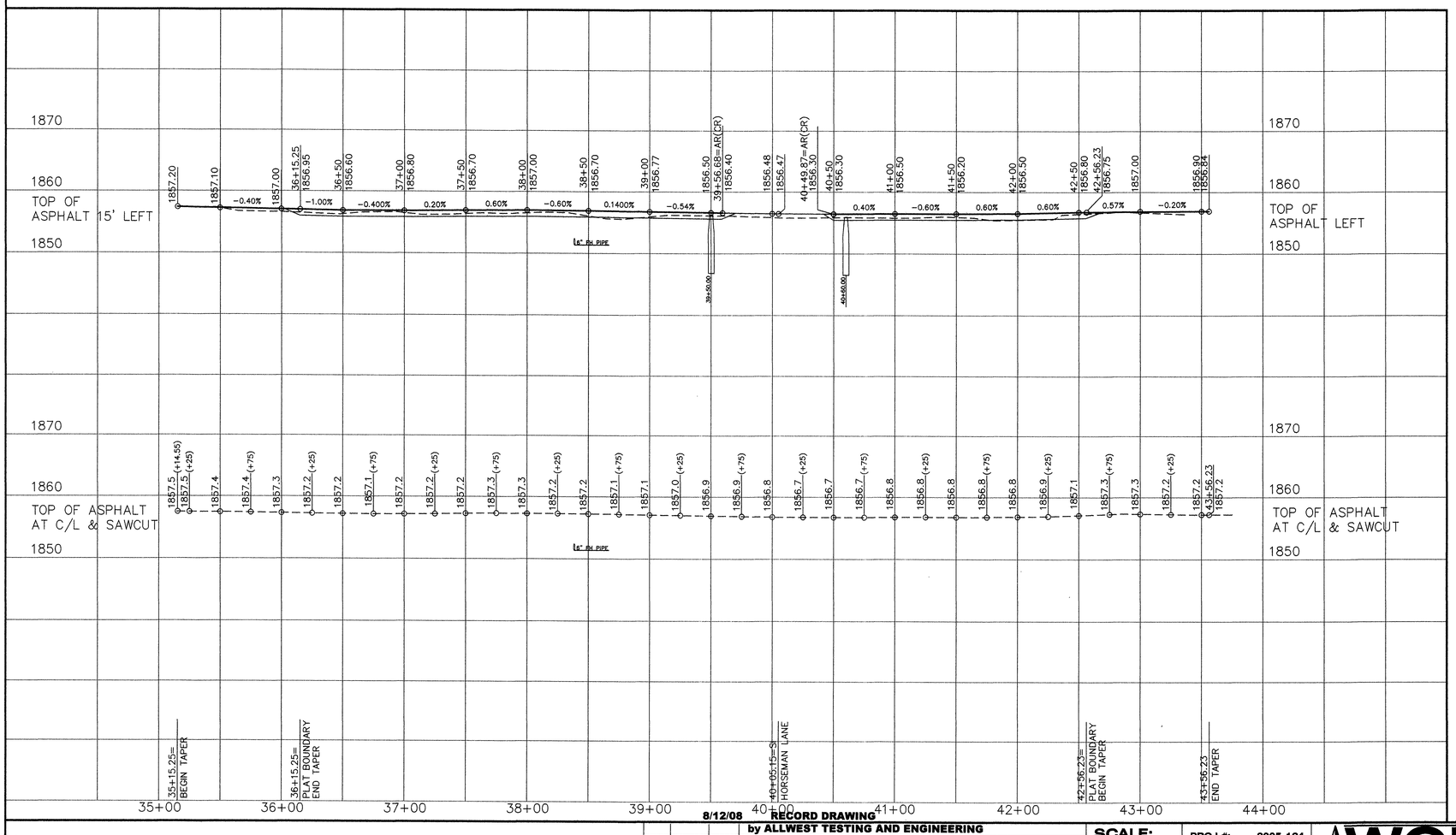
WOOLARD ROAD

CONSTRUCTION NOTES

1. STA. 35+15.41 AT ℄ BEGIN SAWCUT LINE AND BEGIN ASPHALT TAPER 11.77'
2. EXISTING DITCH.
3. STA. 36+15.24 30' LT.=PLAT BOUNDARY, 15' LT. END PAVEMENT TAPER. BEGIN SWALE "L" SEE DETAIL 1 SHEET 6.
4. PROVIDE AND INSTALL STA. 39+50.00, 20.00' LT. TYPE "A" DRYWELL PER SPOKANE COUNTY STANDARD PLAN "B-1" SEE SWALE DETAIL 1 SHEET 6.
5. STA. 42+56.23 LT. END SWALE "K" AND BEGIN DITCH TAPER TO EXISTING.
6. STA. 42+56.23, 15' LT. BEGIN ASPHALT TAPER TO THE RIGHT.
7. STA. 43+56.23 LT. END ASPHALT TAPER TO THE RIGHT AND DITCH TO EXISTING PER SPOKANE COUNTY STANDARDS.
8. EXISTING FIRE HYDRANT TO BE SET AT 29' LEFT OF C/L TO ACCOMMODATE NEW ASPHALT RETURNS.
9. PROVIDE AND INSTALL STA. 40+60.00, 20.00' LT. TYPE "A" DRYWELL PER SPOKANE COUNTY STANDARD PLAN "B-1" SEE DETAIL 1 SHEET 6.

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	30.00	31.42	17.32	30.00	60°00'00"
C2	30.00	31.42	17.32	30.00	60°00'00"

ALL WORK ON THIS SHEET WAS DELETED. WORK WAS NOT PERFORMED.



PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
8-18-08
EXPIRES 11/24/09

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 ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1961
DATE ACCEPTED: 8/20/08

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
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DATE ACCEPTED:
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NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

TODD R. WHIPPLE
STATE OF WASHINGTON
25462
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 9/24/

N.A.V.D. 88 DATUM
SPOKANE COUNTY MONUMENT AT THE SOUTHEAST ONE QUARTER CORNER OF SECTION 11, TOWNSHIP 27 NORTH, RANGE 43 EAST, W.M.
ELEVATION=1850.04

DEVELOPER'S APPROVAL DATE

8/12/08 RECORD DRAWING by ALLWEST TESTING AND ENGINEERING

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1	12/27	RLM	ORIGINAL PLAN PREPARATION

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

PROJ #: 2005-124
DATE: 12/27/05
DRAWN: RLM
APPROVED: TRW

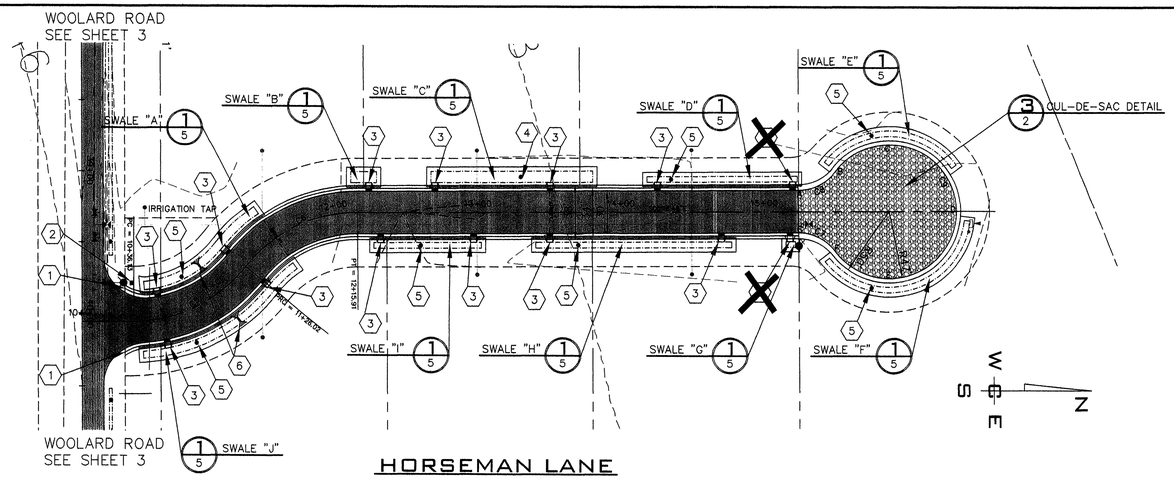
WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
13218 E. SPRAGUE AVENUE
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET AND DRAINAGE PLANS
WOOLARD RANCH
WOOLARD ROAD, STA. 35+15.25 TO STA. 43+56.23
SPOKANE COUNTY, WASHINGTON

SHEET 3 OF 7
JOB NUMBER 2005-124

P-1961 Eng/Ac Bull

L:\206-117T Woolard Ranch\dwg\asbuilt street 3.dwg, Layout1, 8/12/2008 8:44:59 AM, 1:1



CONSTRUCTION NOTES

1. STA. 10+30, LEFT AND RIGHT BEGIN "R" TYPE CURB PER DETAIL 1 SHEET 2.
2. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A-16 AND M.U.T.C.D..
3. PROVIDE AND INSTALL CURB INLET TYPE "1" PER SPOKANE COUNTY STANDARD PLAN B-8.
4. PROVIDE AND INSTALL TYPE "B" DRYWELL PER SPOKANE COUNTY STANDARD PLAN "B-1".
5. PROVIDE AND INSTALL TYPE "A" DRYWELL PER SPOKANE COUNTY STANDARD PLAN "B-1".
6. PROVIDE AND INSTALL CHECK DAM PER DETAIL 1 SHEET 5.

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	30.00	31.42	17.32	30.00	60°00'00"
C2	30.00	31.42	17.32	30.00	60°00'00"
C3	30.00	20.56	10.70	20.16	39°16'33"
C4	30.00	13.87	7.06	13.75	26°29'41"
C5	100.00	89.89	48.24	86.89	51°30'04"
C6	100.00	89.89	48.24	86.89	51°30'04"
C7	31.50	29.51	15.94	28.44	53°40'41"
C8	31.50	29.75	16.09	28.65	54°06'22"
C9	47.00	235.72	34.56	55.68	287°21'04"

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
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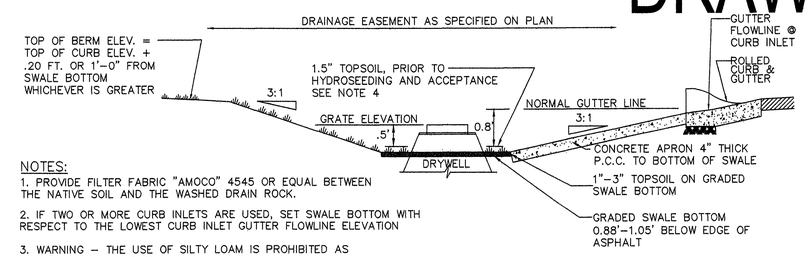
RECORD DRAWING



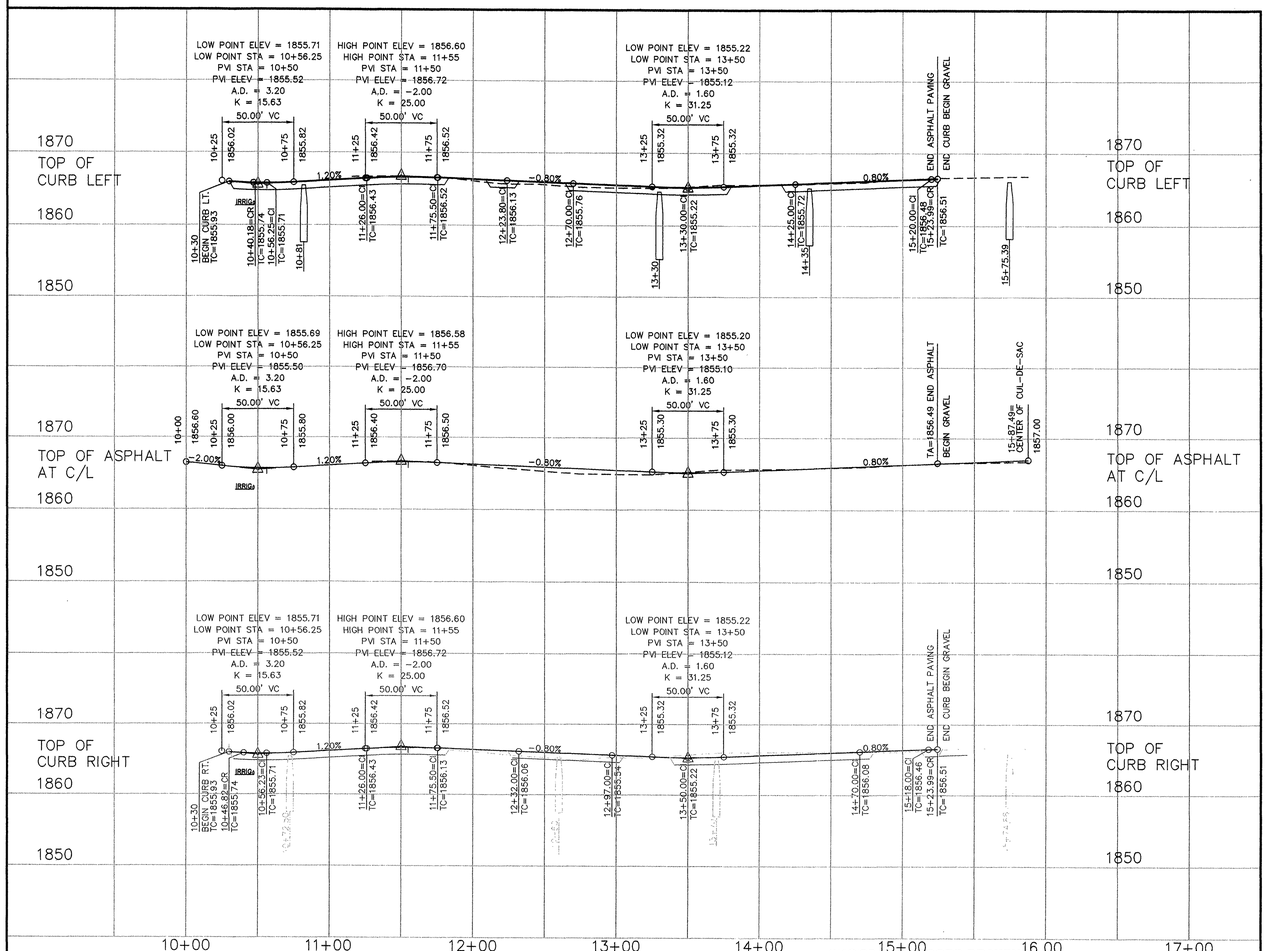
NOTES:

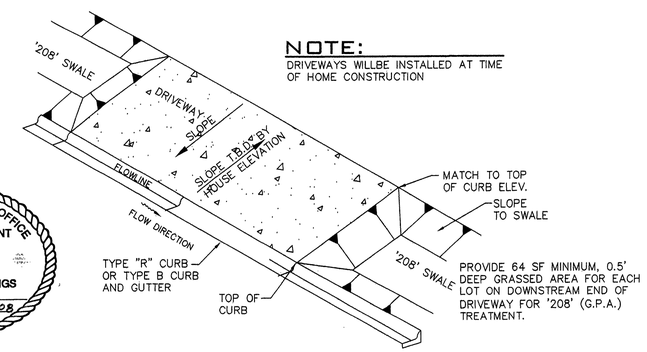
1. PROVIDE FILTER FABRIC "AMOCO" 4545 OR EQUAL BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK.
2. IF TWO OR MORE CURB INLETS ARE USED, SET SWALE BOTTOM WITH RESPECT TO THE LOWEST CURB INLET GUTTER FLOWLINE ELEVATION
3. WARNING – THE USE OF SILTY LOAM IS PROHIBITED AS SWALE BOTTOM MATERIAL.
4. IRRIGATION IS REQUIRED FOR SOD INSTALLATION.
5. ALL SWALES MUST BE HYDROSEEDED WITH DRYLAND GRASS MIXTURE. ALL DRYWELLS MUST BE PROTECTED WITH FILTER FABRIC UNTIL DRYLAND GRASS IS ESTABLISHED.

TYPE "R" CURB-TYPE "1" INLET-208 SWALE WITH DRYWELL (2 / -)

NOT TO SCALE

TOPSOIL AND HYDROSEEDING TO BE PERFORMED AT TIME OF HOME CONSTRUCTION





NOTE:
DRIVEWAYS WILLBE INSTALLED AT TIME OF HOME CONSTRUCTION

DRIVEWAY DETAIL (1 / -)

NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P 1961
DATE ACCEPTED: 8/20/08

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
8-18-08
EXPIRES 11/24/09

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TODD R. WHIPPLE
STATE OF WASHINGTON
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EXPIRES 9/24/

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SCALE:
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VERTICAL: 1" = 10'

PROJ #: 2005-124
DATE: 12/27/05
DRAWN: RLM
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
13218 E. SPRAGUE AVENUE
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET AND DRAINAGE PLANS
WOOLARD RANCH
HORSEMAN LANE, STA. 10+00 TO STA. 15+87.49
SPOKANE COUNTY, WASHINGTON

SHEET 4 OF 7
JOB NUMBER 2005-124

P-1961 Eng As Built

L:\206-117\Woolard Ranch\dwg\asbuilt street 4.dwg, Layout1, 8/12/2008 10:20:34 AM, 1:1

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

RECORD DRAWING

SWALE "A"

FINISHED GRADE SWALE BOTTOM VARIES
SWALE BOTTOM AREA PROVIDED=583 S.F.
MINIMUM BERM ELEV.=1855.71

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE	RADIUS
A	10+45.55	21.22' LT.		
B	10+45.55	27.25' LT.	6.00'	
C	10+50.48	27.00' LT.	3.81'	18.00'
D	11+26.02	27.00' LT.	55.14'	73.00'
E	11+55.00	27.00' LT.	36.80'	127.00'
F	11+55.00	21.00' LT.	6.00'	
G	11+26.02	21.00' LT.	35.07'	121.00'
H	10+50.48	21.00' LT.	59.67'	79.00'
A	10+45.55	21.22' LT.	3.90'	24.00'

SWALE "B"

FINISHED GRADE SWALE BOTTOM VARIES
SWALE BOTTOM AREA PROVIDED=142 S.F.
MINIMUM BERM ELEV.=1856.08

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	12+12.18	21.00' LT.	
B	12+12.31	29.00' LT.	8.00'
C	12+29.27	28.81' LT.	18.00'
D	12+29.25	21.00' LT.	8.00'
A	12+12.18	21.00' LT.	8.00'

SWALE "C"

FINISHED GRADE SWALE BOTTOM VARIES
SWALE BOTTOM AREA PROVIDED=904 S.F.
MINIMUM BERM ELEV.=1855.22

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	12+67.25	21.00' LT.	
B	12+67.25	29.00' LT.	8.00'
C	13+80.25	29.00' LT.	113.00'
D	13+80.25	21.00' LT.	8.00'
A	12+67.25	21.00' LT.	113.00'

SWALE "D"

FINISHED GRADE SWALE BOTTOM VARIES
SWALE BOTTOM AREA PROVIDED=417 S.F.
MINIMUM BERM ELEV.=1855.72

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

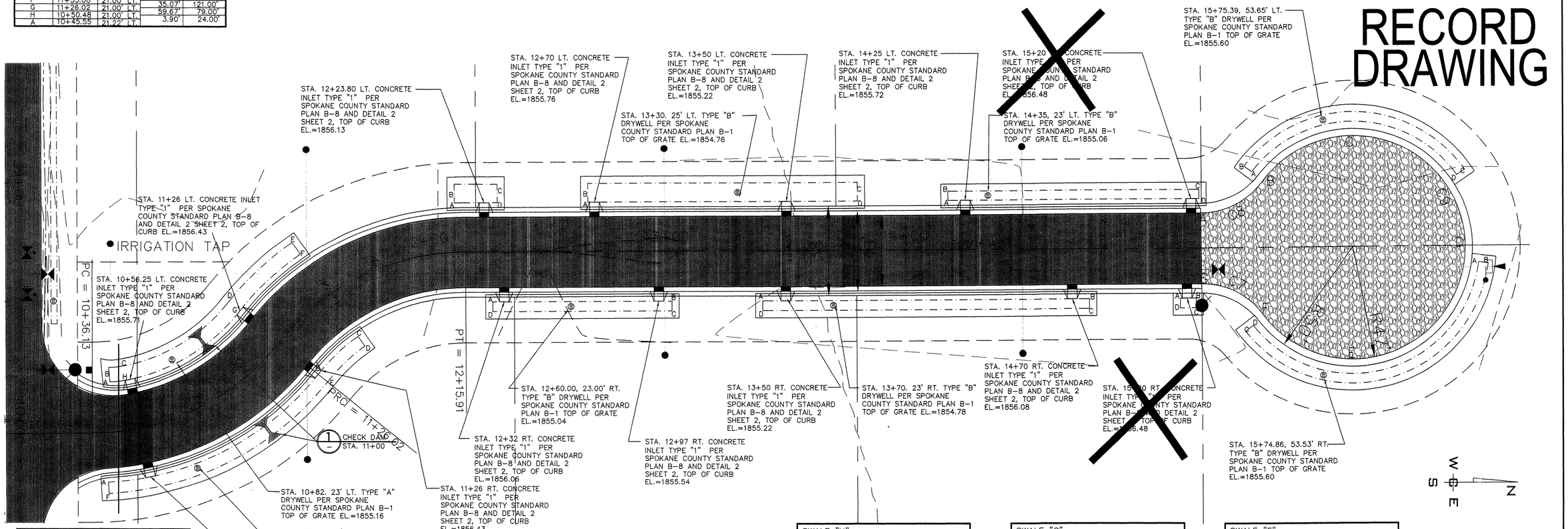
POINT	STATION	OFFSET	DISTANCE
A	14+18.25	21.00'	
B	14+18.25	25.00'	4.00'
C	15+23.29	25.00'	105.04'
D	15+23.29	21.00'	4.00'
A	14+18.25	21.00'	105.04'

SWALE "E"

FINISHED GRADE SWALE BOTTOM EL.=1855.73
SWALE BOTTOM AREA PROVIDED=415 S.F.
MINIMUM BERM ELEV.=1856.73

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE	RADIUS
A	15+45.38	32.19' LT.		
B	15+42.21	33.41' LT.	4.00'	
C	16+34.41	30.10' LT.	108.38'	57.00'
D	16+31.12	36.10' LT.	4.00'	
A	15+45.38	32.19' LT.	99.90'	53.00'



SWALE "J"

FINISHED GRADE SWALE BOTTOM VARIES
SWALE BOTTOM AREA PROVIDED=505 S.F.
MINIMUM BERM ELEV.=1855.71

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE	RADIUS
A	10+41.56	21.00' RT.		
B	11+26.02	21.00' RT.	102.20'	121.00'
C	11+55.00	21.00' RT.	22.89'	79.00'
D	11+55.00	26.00' RT.	5.00'	
E	11+26.02	26.00' RT.	21.00'	75.00'
F	10+41.56	26.00' RT.	106.42'	125.00'
A	10+41.56	21.00' RT.	5.00'	

SWALE "I"

FINISHED GRADE SWALE BOTTOM VARIES
SWALE BOTTOM AREA PROVIDED=300 S.F.
MINIMUM BERM ELEV.=1856.06

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	12+27.25	21.00' RT.	
B	13+02.34	21.00' RT.	75.09'
C	13+02.34	25.00' RT.	4.00'
D	12+27.25	25.00' RT.	75.09'
A	12+27.25	21.00' RT.	4.00'

SWALE "H"

FINISHED GRADE SWALE BOTTOM VARIES
SWALE BOTTOM AREA PROVIDED=548 S.F.
MINIMUM BERM ELEV.=1855.22

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	13+40.34	21.00' RT.	
B	14+77.25	21.00' RT.	136.91'
C	14+77.25	25.00' RT.	4.00'
D	13+40.34	25.00' RT.	136.91'
A	13+40.34	21.00' RT.	4.00'

SWALE "G"

FINISHED GRADE SWALE BOTTOM VARIES
SWALE BOTTOM AREA PROVIDED=26.52 S.F.
MINIMUM BERM ELEV.=1856.48

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

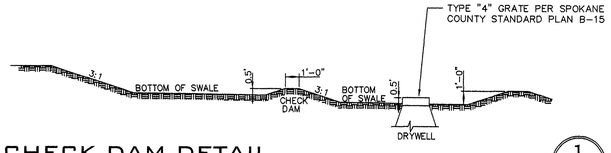
POINT	STATION	OFFSET	DISTANCE
A	15+15.25	21.00' RT.	
B	15+21.88	21.00' RT.	6.63'
C	15+21.88	25.00' RT.	4.00'
D	15+15.25	25.00' RT.	6.63'
A	15+15.25	21.00' RT.	4.00'

SWALE "F"

FINISHED GRADE SWALE BOTTOM EL.=1855.73
SWALE BOTTOM AREA PROVIDED=517 S.F.
MINIMUM BERM ELEV.=1856.73

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE	RADIUS
A	16+40.05	6.84' RT.		
B	16+44.01	7.35' RT.	4.00'	
C	15+42.43	34.92' RT.	134.11'	57.00'
D	15+45.64	32.52' RT.	4.00'	
A	16+40.05	6.84' RT.	124.63'	53.00'



CHECK DAM DETAIL

NOT TO SCALE

1 / -

N.A.V.D. 88 DATUM
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SPOKANE COUNTY ENGINEERS OFFICE
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"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1961
DATE ACCEPTED: 8/20/08

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED
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8-18-08
EXPIRES 11/24/09

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SCALE:
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STREET AND DRAINAGE PLANS
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SHEET 5 OF 7
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RECORD DRAWING

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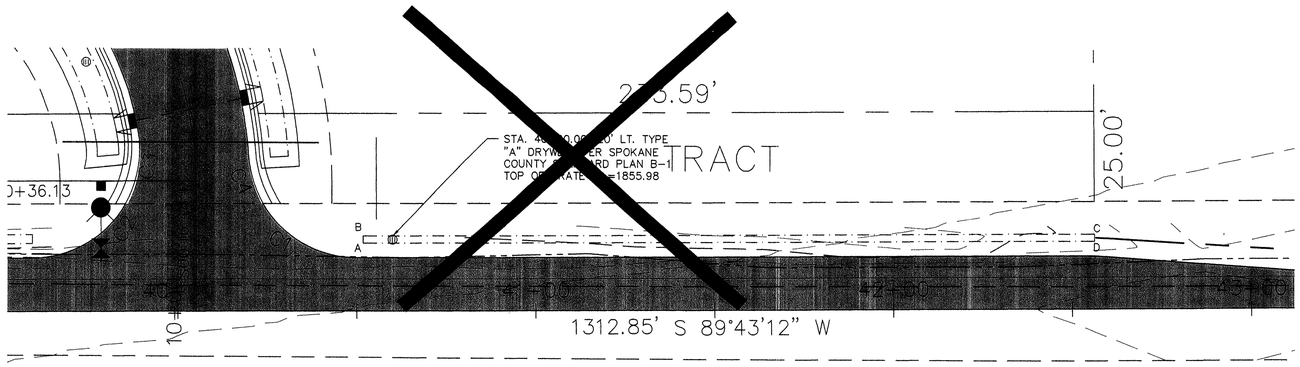
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG



WOOLARD ROAD SWALE "K"
SCALE: 1" = 20'

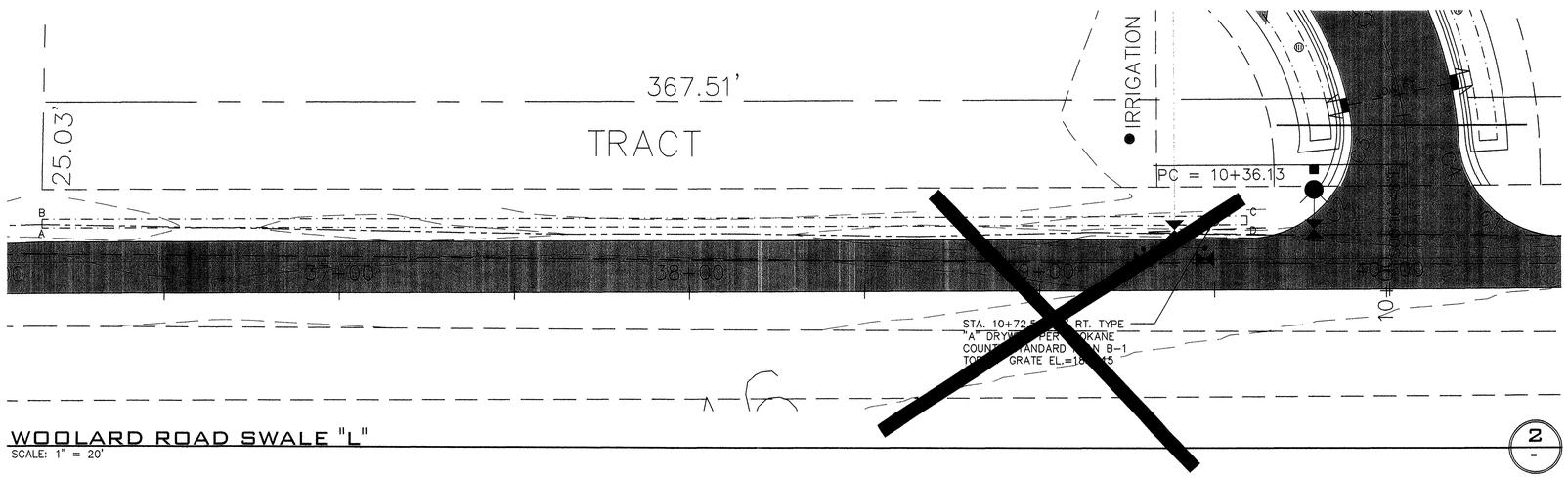
1

SWALE "K"
FINISHED GRADE SWALE BOTTOM EL.=1855.98 SWALE BOTTOM AREA PROVIDED=[illegible] S.F. MINIMUM BERM ELEV.=1855.68

SWALE BOTTOM LOCATION TABLE

	STATION & OFFSET			
A	[illegible]51.81	20.00'	LT.	2.00'
B	[illegible]+51.81	22.00'	LT.	[illegible]42'
C	42+56.23	22.00'	LT.	[illegible]
D	42+56.23	20.00'	LT.	204.[illegible]
	11+26.02	20.00'	LT.	

WORK ON WOOLARD ROAD DELETED



WOOLARD ROAD SWALE "L"
SCALE: 1" = 20'

2

SWALE "L"
FINISHED GRADE SWALE BOTTOM EL.=1855.65 SWALE BOTTOM AREA PROVIDED=[illegible] S.F. MINIMUM BERM ELEV.=1855.86

SWALE BOTTOM LOCATION TABLE

	STATION & OFFSET			
A	3[illegible]+[illegible]15.21	20.00'	LT.	2.00'
B	[illegible]+15.21	22.00'	LT.	[illegible]4.18'
C	[illegible]9+50.20	22.00'	LT.	[illegible]
D	39+50.20	20.00'	LT.	34[illegible]
	36+15.21	20.00'	LT.	

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1961
DATE ACCEPTED: 8/20/08

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
8-18-08
EXPIRES 11/24/09

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
EXPIRES 9/24/

N.A.V.D. 88 DATUM
SPOKANE COUNTY MONUMENT AT
THE SOUTHEAST ONE QUARTER CORNER
OF SECTION 11, TOWNSHIP 27 NORTH,
RANGE 43 EAST, W.M.
ELEVATION=1850.04

DEVELOPER'S APPROVAL

DATE

8/12/08 RECORD DRAWING
by ALLWEST TESTING AND ENGINEERING

NO.	DATE	BY	REVISIONS
5	05/10	RLM	SUBMITTAL FOR APPROVAL
4	04/18	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	03/15	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	03/03	RLM	1ST. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
1	12/28	RLM	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: AS SHOWN

PROJ #: 2005-124
DATE: 12/28/05
DRAWN: TRW
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
13218 E. SPRAGUE AVENUE
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET AND DRAINAGE PLANS
WOOLARD RANCH
WOOLARD ROAD SWALE DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 6 OF 7
JOB NUMBER 2005-124

P.1961 Crafts Built

L:\206-117T Woolard Ranch\dwg\asbuilt street 6.dwg, Layout1, 8/12/2008 8:45:29 AM, 1:1

EROSION CONTROL PLAN

WOOLARD RANCH

SPOKANE COUNTY, WASHINGTON

SE. 1/4 OF SECT. 11, T. 27 N., R. 43 E., W.M.

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

RECORD DRAWING

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 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 AND 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 A 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 AND 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.

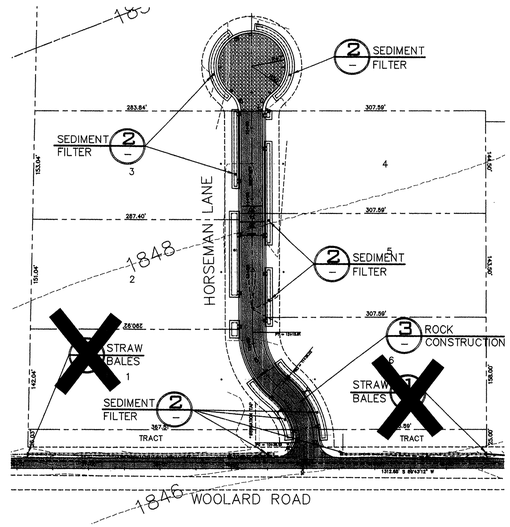
15. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL 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 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.

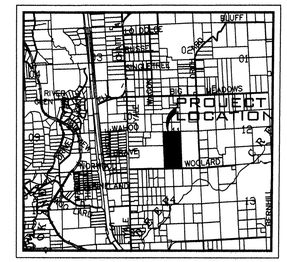
18. BASED ON A REQUIREMENT FROM SPOKANE COUNTY THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWINGS TO THE SPOKANE COUNTY ENGINEER.

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

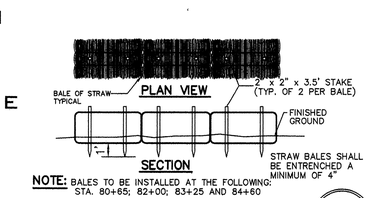


SITE PLAN

SCALE: 1" = 100'



VICINITY MAP

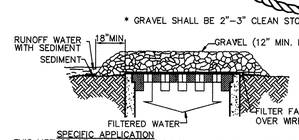


NOTE: BALES TO BE INSTALLED AT THE FOLLOWING: STA. 80+65; 82+00; 83+25 AND 84+60

STRAW BALE DETAIL 1

NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P.1961
DATE ACCEPTED: 8/20/08

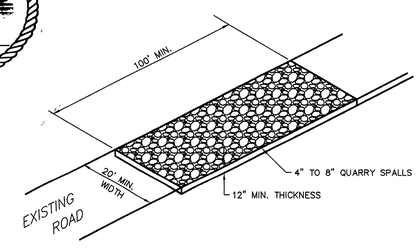


SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED ACRES.

GRAVEL AND WIRE MESH INLET SEDIMENT FILTER 2

NOT TO SCALE



ROCK CONSTRUCTION ENTRY 3

NOT TO SCALE

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**, AND CONSTRUCTION, MAINTENANCE, AND UPGRADING OF THE **E.S.C.** FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY **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 STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THEN **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-LADEN WATER FROM EITHER FLOWING OFF SITE, OR TO PREVENT DISTURBANCE OF DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.
4. GEOTEXTILE FABRIC IS TO BE PLACED ON THE RIMS, 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.
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: **DOUGLASS PARCEL, LLC, P.O.BOX 234, COLBERT, WA 99005**
   CONTACT PERSON ON SITE: BOB GRAHAM AT ALLWEST, 509-534-4411.
9. PROJECT LOCATION: **IN SPOKANE COUNTY, EAST OF YALE ROAD ON WOOLADR ROAD.**
   SE.. 1/4 S. 11, TOWNSHIP 27 NORTH, RANGE 43 EAST, W.M.
10. PROJECT DESCRIPTION: **WOOLARD RANCH IS A CLUSTER BASES RESIDENTIAL SUBDIVISION CONSISTING OF 6 LOTS AND WILL REQUIRE CONSTRUCTION OF ROADS, AND STORM DRAINAGE. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 600 LINEAR FEET OF DRAINAGE AND ELECTRICAL FACILITIES. 600 LINEAR FEET OF NEW ASPHALT ROADWAY, AND ASSOCATED 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. EXISTING VEGETATION: LONG GRASS, SCRUB BRUSH AND PINE TREES
13. PLAN PREPARATION DATE: **MARCH, 2006**
14. SOILS: ON SITE SOILS, MARBLE SANDY LOAM (McB)
15. **STABLIZATION OF DENUDED AREAS:**
    ANY DISTURBED AREAS, WHICH WOULD BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE REWORKED WITHIN 30-45 DAYS SHALL BE SEEDED WITH A FAST STARTING NATIVE DRYLAND 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 D.O.E. AND D.O.H. GUIDELINES.
17. **LIMITS OF GRADING:**
    DURING THE COURSE OF CONSTRUCTION, THE AMOUNT OF DISTURBED AREA SHALL BE KEPT TO A MINIMUM AND SHALL BE LIMITED TO THE AREA SHOWN AS "LIMITS OF GRADING" ON THIS SHEET OF THE EROSION CONTROL PLANS.

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 RUNOFF-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 RUNOFF-PRODUCING 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 DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
6. ALL TEMPORARY AND PERMANENT **E.S.C.** PRACTICES SHALL 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 THE TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL 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 ACTIVITY. CLEANING SHALL BE ON AN "AS NEEDED" BASIS 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 4.5 OF **SPOKANE COUNTY** GUIDELINES FOR STORMWATER MANAGEMENT.

ENGINEER TODD R. WHIPPLE, P.E.

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

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
8-8-08
EXPIRES 11/24/09

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
EXPIRES 9/24/

LEGEND

SEDIMENT FILTER

STORM DRAINAGE STRUCTURE - NO CONCRETE TRUCK WASHOUT. SEE GENERAL NOTES 4 AND 7.

ROCK CONSTRUCTION ENTRY. SEE DETAIL 3 AND GENERAL NOTE 6.

LEGAL DESCRIPTION

THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 11, TOWNSHIP 27 NORTH, RANGE 43 EAST, OF THE WILLAMETTE MERIDIAN;
EXCEPT WOOLARD COUNTY ROAD;
SITUATE IN THE COUNTY OF SPOKANE, STATE OF WASHINGTON.

ROADWAYS
SPOKANE COUNTY ENGINEERING
1026 WEST BROADWAY AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 509-477-3600
FAX: 509-477-7655
CONTACT: MATT ZARECOR, P.E.

BUILDING OFFICIAL
SPOKANE COUNTY BUILDING AND PLANNING
1026 WEST BROADWAY AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 509-477-7200
CONTACT: KATHY SANDERS

NATURAL GAS
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-495-4744
FAX: 509-495-8713
CONTACT: LOIS McCAIN

FIRE DEPARTMENT
FIRE DISTRICT NO. 4
3219 E. CHATTAROY ROAD
CHATTAROY, WA 99003
PHONE: 509-467-4500
FAX: 509-467-6032
CONTACT: JOE KRIZANIC

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

POWER
INLAND POWER AND LIGHT
320 EAST SECOND AVENUE
SPOKANE, WASHINGTON 99202
PHONE: 509-747-7151
FAX: 509-747-7987
CONTACT: MARY SHELLEY

WATER PURVEYOR
WHITWORTH WATER DISTRICT NO. 2
NORTH 10828 WAIKIKI
SPOKANE, WASHINGTON 99248
PHONE: 509-466-0550
FAX: 509-467-1830
CONTACT: DOUG BABIN

CABLE
COMCAST BROADBAND
1717 EAST BUCKEYE
SPOKANE, WASHINGTON, 99207
PHONE: 509-484-4931
EXTENSION: 53254
CONTACT: JOEL BORST

SOLID WASTE
WASTE MANAGEMENT
12122 EAST FIRST AVENUE
SPOKANE VALLEY, WA 66206
PHONE: 509-466-3400

OWNER
DOUGLAS PARCEL, LLC
P.O. BOX 234
COLBERT, WASHINGTON 99217
PHONE: 509-487-9792
FAX: 509-487-1580

SEWER
SPOKANE COUNTY UTILITIES
1026 WEST BROADWAY AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 509-477-3604
FAX: 509-477-4715
CONTACT: BILLY URHAUSEN

SURVEYOR
ROBERT ADAMS, P.L.S.
3914 E. CONGRESS AVENUE
SPOKANE, WASHINGTON 99223
PHONE: 509-534-2230
CELL: 509-879-3329
CONTACT: ROBERT ADAMS, P.L.S.

INSPECTION
ALLWEST
1010 N. LAKE ROAD
SPOKANE, WASHINGTON 99212
PHONE: 509-534-4411
FAX: 509-534-9326
CONTACT: PAUL T. NELSON, P.E.

ENGINEER
WHIPPLE CONSULTING ENGINEERS
13218 EAST SPRAGUE AVENUE
SPOKANE VALLEY, WA 99216
PHONE: 509-893-2617
FAX: 509-926-0227
CONTACT: TODD WHIPPLE, P.E.

N.A.V.D. 88 DATUM
SPOKANE COUNTY MONUMENT AT THE SOUTHEAST ONE QUARTER CORNER OF SECTION 11, TOWNSHIP 27 NORTH, RANGE 43 EAST, W.M.
ELEVATION=1850.04

DEVELOPER'S APPROVAL DATE

8/12/08 RECORD DRAWING by ALLWEST TESTING AND ENGINEERING

NO.	DATE	BY	REVISIONS
5	05/10	RLM	SUBMITTAL FOR APPROVAL
4	04/18	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	03/15	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	03/03	RLM	1ST. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
1	12/28	RLM	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: AS SHOWN

PROJ #: 2005-124
DATE: 12/28/05
DRAWN: RLM
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
13218 E. SPRAGUE AVENUE
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET AND DRAINAGE PLANS
WOOLARD RANCH
EROSION CONTROL PLAN
SPOKANE COUNTY, WASHINGTON

SHEET 7 OF 7

JOB NUMBER 2005-124

P. 1961 Eng As Built

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