

STREET AND DRAINAGE PLAN RECORD DRAWING

FOXTAIL ESTATES SPOKANE COUNTY, WASHINGTON NE 1/4 SECTION 7, T. 24 N., R. 42 E., W.M.

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 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-10.

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.

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.

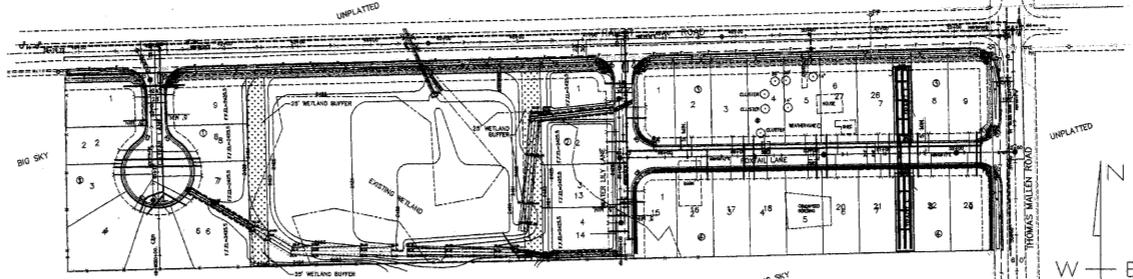
15. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL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



SITE PLAN

NOT TO SCALE

STORM DRAINAGE NOTES

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

2. CONDITIONS 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 POND CONSTRUCTION.

5. INSTALL "AMOCO" #4545 FILTER FABRIC (OR APPROVED EQUAL) IN ALL DRYWELLS. SEE SPOKANE COUNTY STANDARDS (1999 EDITION) SHEET B-10 FOR INSTALLATION LOCATIONS.

6. ALL SWALES WITHIN THE SPOKANE 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 SWALE 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.

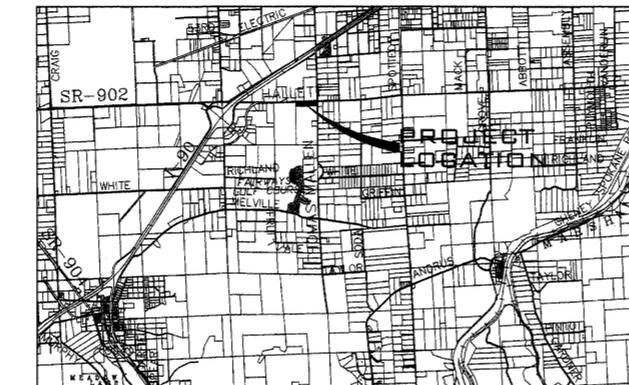
8. ALL LANDSCAPE AREAS ("208" SWALES) ARE TO BE IRRIGATED BY AN AUTOMATIC IRRIGATION SYSTEM INSTALLED BY OR UNDER THE DIRECTION OF THE LANDSCAPE CONTRACTOR. THE IRRIGATION SYSTEM SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES (90 DAY GUARANTEE). AN APPROVED BACKFLOW DEVICE SHALL BE INSTALLED TO PREVENT 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.

9. THE FLOOR OF A GRASSED PERCOLATION AREA (G.P.A.) 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 NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.

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

11. 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.

12. WASTE MANAGEMENT: WASTE MANAGEMENT PHONE: 509-466-3400



VICINITY MAP

ROADWAYS

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

WATER PURVEYOR

SPOKANE WATER&HYDRO SERVICES
E. 914 FOOTHILLS BLVD.
SPOKANE, WASHINGTON 99207
PHONE: 509-625-7800
FAX: 509-625-7816
CONTACT: LISA MALSTROM, P.E.

SEWER

SPOKANE SEWER DEPARTMENT
909 EAST SPRAGUE AVENUE
SPOKANE, WASHINGTON 99202
PHONE: 509-625-7900
FAX: 509-625-7940
CONTACT: MIKE YAKE, P.E.

POWER

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

SOLID WASTE

WASTE MANAGEMENT
PHONE: 509-466-3400

FIRE DEPARTMENT

FIRE DISTRICT NO. 3
10 SOUTH PRESLEY DRIVE
CHENEY, WASHINGTON 99004
PHONE: 509-624-7103
FAX: 509-235-8183
CONTACT: BRUCE HOLLOWAY, CHIEF

TELEPHONE

QWEST
904 NORTH COLUMBUS
SPOKANE, WASHINGTON, 99202
PHONE: 509-455-2580
FAX: 509-455-2104
CONTACT: DAN CRESS

NATURAL GAS

AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-495-4774
FAX: 509-495-8741
CONTACT: LOIS MCCAIN

CABLE

COMCAST BROADBAND
1717 EAST BUCKEYE
SPOKANE, WASHINGTON, 99207
PHONE: 509-484-4931(53240)
FAX: 509-483-9261
CONTACT: BRYAN RICHARDSON

SURVEYOR

LANDTEK, LLC
624 NORTH MADALIA STREET
SPOKANE, WASHINGTON 99202
PHONE: 509-926-2821
FAX: 509-926-2736
CONTACT: BRUCE R. LARSEN, P.L.S.

ENGINEER

WHIPPLE CONSULTING ENGINEERS
601 SOUTH DIVISION STREET
SPOKANE VALLEY, WA 99216
PHONE: 509-893-2617
FAX: 509-926-0227
CONTACT: TODD R. WHIPPLE, P.E.

INSPECTION

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

ABBREVIATIONS

SS.....SANITARY SEWER	PI.....POINT OF INTERSECTION	STA.....STATION
WM.....WATER MAIN	PC.....POINT OF CURVEGRADE
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

COUNTY DATUM

ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD=88), ORIGINATING FROM U.S.G.S. MONUMENT W564 NEAR THE INTERSECTION OF GEIGER BLVD AND HAYFORD RD. ELEV=2412.34'

DEVELOPER'S APPROVAL _____ DATE _____

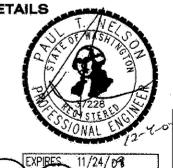
THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO APPLICABLE EDITIONS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ALL DESIGN DEVIATIONS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. I APPROVE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

NO.	DATE	BY	REVISIONS
12/5/07	12/12/07	RLM	RECORD DRAWING BOND REDUCTION REQUEST by ALLWEST TESTING AND ENGINEERING
08/21	10/17	RLM	SUBMITTAL TO SPOKANE COUNTY ENGINEERS ORIGINAL PLAN PREPARATION

SCALE:	PROJ #:	2004-31
HORIZONTAL:	DATE:	08/21/06
N.A.	DRAWN:	RLM
VERTICAL:	APPROVED:	TRW
N.A.		

**STREET AND DRAINAGE PLANS
FOXTAIL ESTATES
HALLET ROAD AND THOMAS MALLEN ROAD
SPOKANE COUNTY, WASHINGTON**

**SHEET
1 OF 12**
JOB NUMBER
2004-31

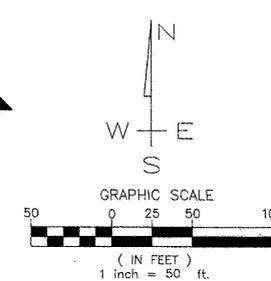
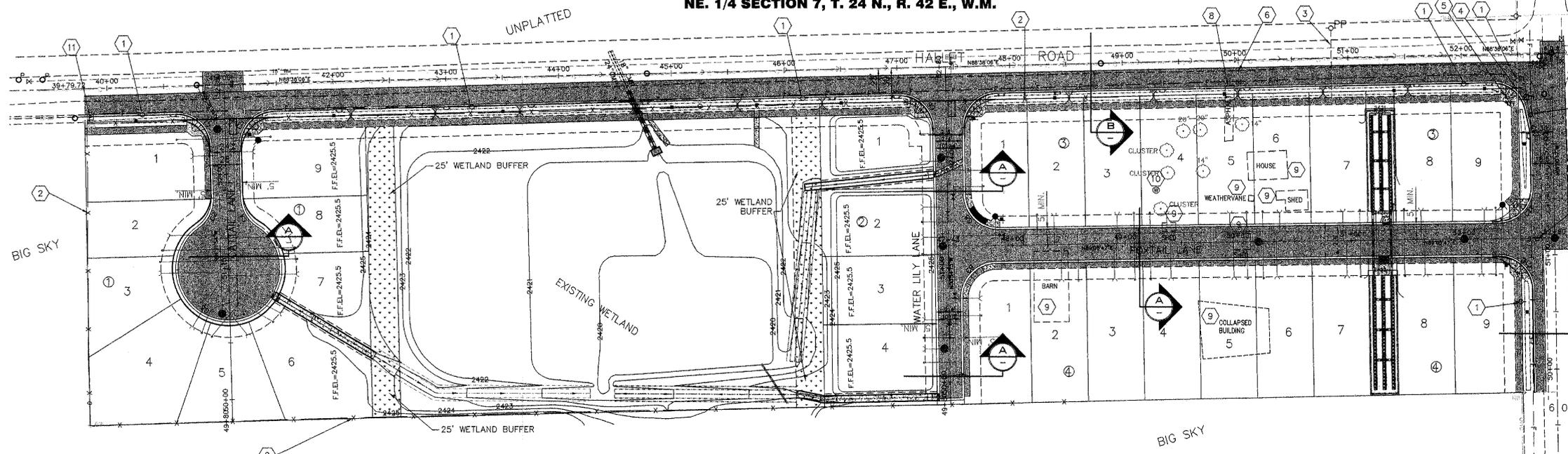


I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

P 1946 Eric A. Baute

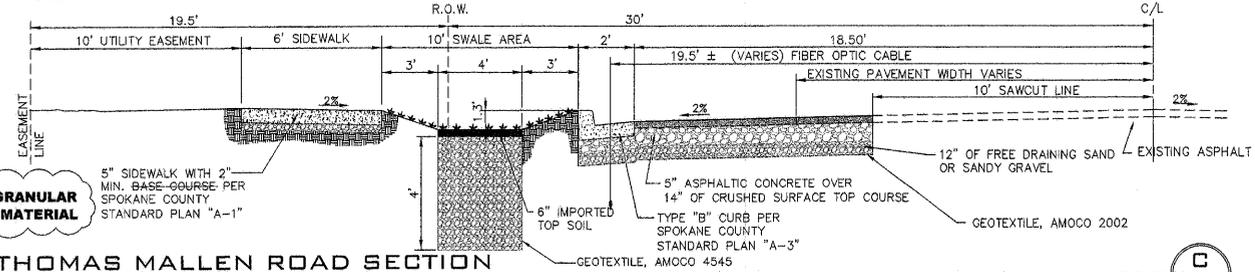
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

**RECORD
DRAWING**



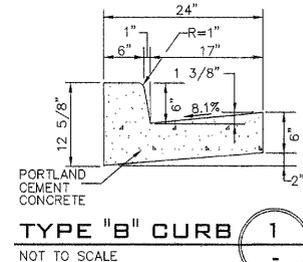
SITE AND DEMOLITION PLAN

SCALE: 1" = 50'



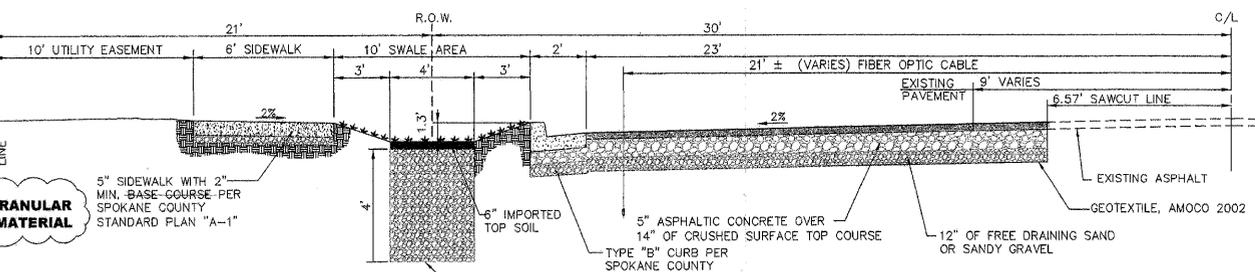
THOMAS MALLEM ROAD SECTION

NOT TO SCALE



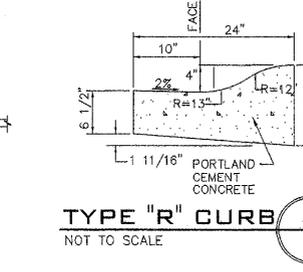
TYPE "B" CURB 1

NOT TO SCALE



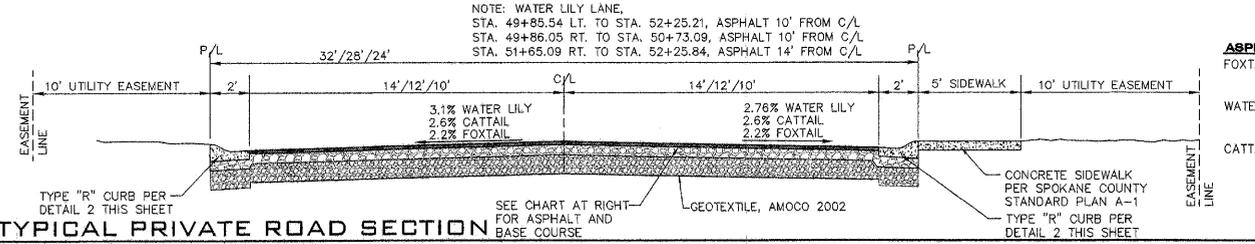
HALLET ROAD SECTION

NOT TO SCALE



TYPE "R" CURB 2

NOT TO SCALE



TYPICAL PRIVATE ROAD SECTION

NOT TO SCALE

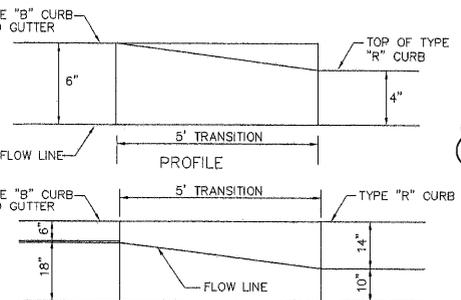
- ASPHALT AND BASE COURSE**
- FOXTAIL LANE - 3" ASPHALTIC CONCRETE
6" CRUSHED SURFACE TOP COURSE
12" BALLAST
 - WATER LILY LANE - 3" ASPHALTIC CONCRETE
6" CRUSHED SURFACE TOP COURSE
12" BALLAST
 - CATTAIL LANE - 3" ASPHALTIC CONCRETE
6" CRUSHED SURFACE TOP COURSE
12" BALLAST

DEMOLITION AND CONSTRUCTION NOTES

- HALLET ROAD**
- EXISTING POWER POLES ALONG HALLET ROAD RIGHT TO BE RELOCATED; STA. 40+30.81; 43+22.49; 45+24.83, GUY POLE; 46+16.03; 52+01.45 AND 52+49.23 TO 2' BEHIND CURB MINIMUM, CONTACT INLAND POWER AND LIGHT 72 HOURS PRIOR TO CONSTRUCTION.
 - EXISTING FENCE TO BE REMOVED.
 - EXISTING UNDERGROUND POWER TO SITE TO BE ABANDONED BY INLAND POWER AND LIGHT. CONTACT 72 HOURS PRIOR TO ANY CONSTRUCTION.
 - EXISTING SIGN STA. 52+49.16, 30.78' RT. TO BE RELOCATED PER SPOKANE COUNTY STANDARDS.
 - EXISTING SIGN STA. 52+41.44, 43.06' RT. TO BE RELOCATED PER SPOKANE COUNTY STANDARDS.
 - EXISTING WATER SERVICE AND VALVE TO BE ABANDONED PER CITY OF SPOKANE STANDARDS CONTACT THE CITY OF SPOKANE WATER AND HYDRO DEPARTMENT 72 HOURS PRIOR TO CONSTRUCTION.
 - EXISTING ASPHALT DRIVEWAY STA. 49+94.88, 22.68' RT. TO BE REMOVED AND DISPOSED OF PER SPOKANE COUNTY ENGINEERING DEPARTMENT.
 - EXISTING HOUSE; SHEDS; COLLAPSED BUILDING; WEATHER VANE; BARN TO BE REMOVED AND DISPOSED OF PER SPOKANE COUNTY STANDARDS.
 - EXISTING WATER WELL (CISTERN) TO BE ABANDONED PER CITY OF SPOKANE, SPOKANE COUNTY AND D.O.E STANDARDS.
 - EXISTING POWER VAULT TO BE RELOCATED.

THOMAS MALLEM ROAD

- EXISTING POWER POLE STA. 50+59, LT. TO REMAIN AND SIDEWALK TO BE POURED AROUND POLE, CONTACT INLAND POWER AND LIGHT 72 HOURS PRIOR TO CONSTRUCTION.
- EXISTING SIGN STA. 51+15.71, LT. TO BE RELOCATED PER SPOKANE COUNTY STANDARDS.
- EXISTING FIBER OPTIC CABLE MANHOLE SEE DETAIL 1 SHEET 5 FOR REVISIONS TO THE NEW CURB.



"B" TO "R" CURB TRANSITION 3

NOT TO SCALE

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 #: P1946
DATE ACCEPTED: 12/13/07

PAUL L. WELLS
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
25485
EXPIRES 11/24/09

W. H. WILSON
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
25485
EXPIRES 9/24/07

COUNTY DATUM

ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88), ORIGINATING FROM U.S.G.S. MONUMENT W364 NEAR THE INTERSECTION OF GEIGER BLVD. AND HAYFORD RD. ELEV=2412.34

DEVELOPER'S APPROVAL _____ DATE _____

NO.	DATE	BY	REVISIONS
12/5/07			RECORD DRAWING
12/12/06			BOND REDUCTION REQUEST
			by ALLWEST TESTING AND ENGINEERING
08/21	RLM		SUBMITTAL TO SPOKANE COUNTY ENGINEERS
10/17	RLM		ORIGINAL PLAN PREPARATION

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

PROJ #: 2004-31
DATE: 08/21/06
DRAWN: RLM
APPROVED: TRW

IWCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
2628 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

**STREET AND DRAINAGE PLANS
FOXTAIL ESTATES
SITE PLAN-SECTIONS- DETAILS-NOTES
SPOKANE COUNTY, WASHINGTON**

**SHEET
2 OF 12**
JOB NUMBER
2004-31

P-1946 Eng. As Built

RECORD DRAWING

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

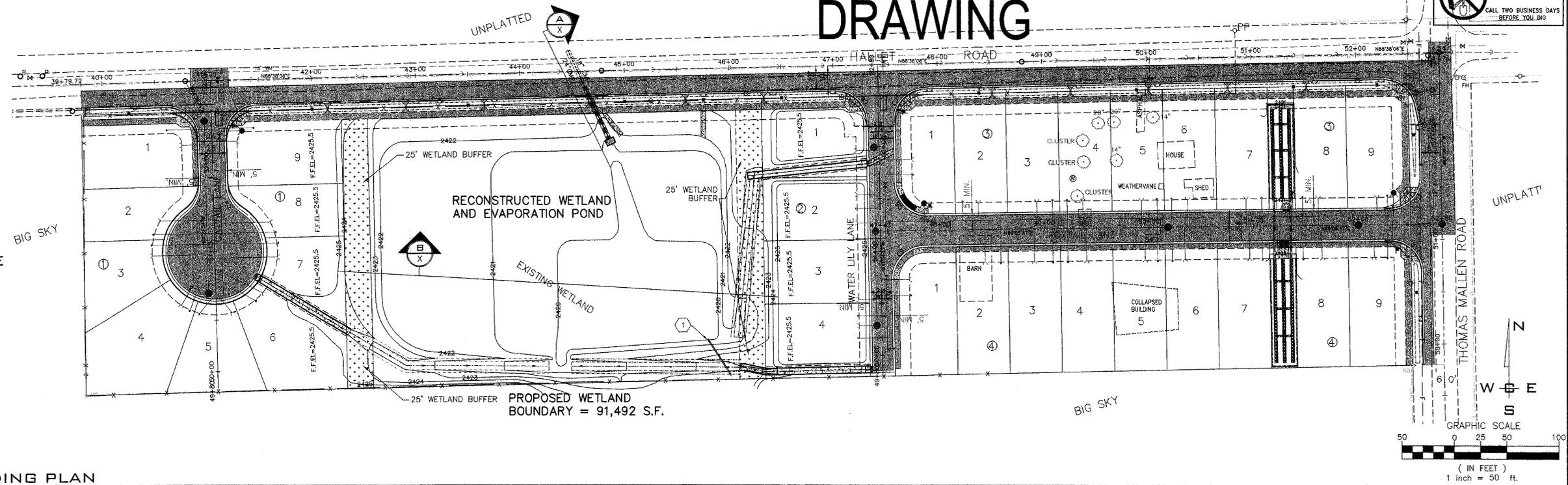
EXISTING WETLAND
ELEVATION AREA
< 2422 10,798 S.F.
2422-2423 29,195 S.F.
2423-2424 19,758 S.F.

PROPOSED WETLAND
ELEVATION AREA
< 2422 11,326 S.F.
2422-2423 30,452 S.F.
2423-2424 33,180 S.F.

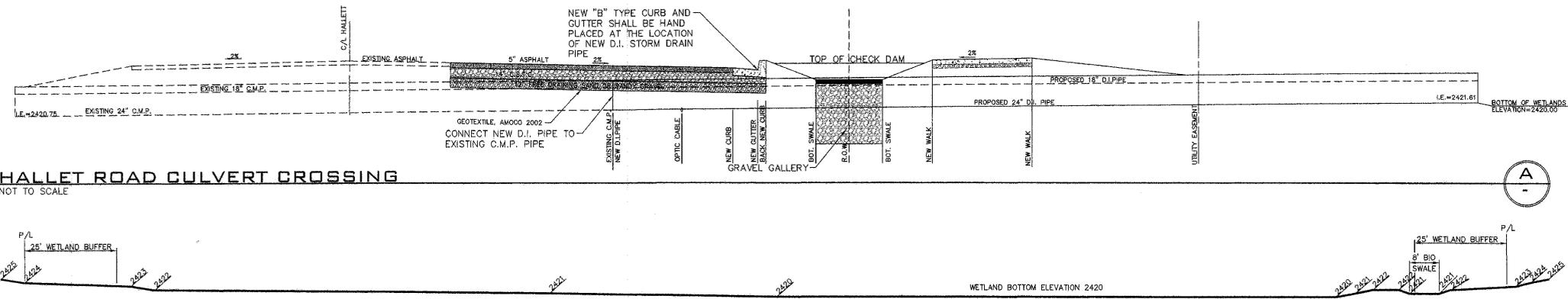
AREA OF LOSS
24,891 S.F. X 1.25 =
31,113 S.F.

REPLACEMENT AREA AVAILABLE
34,307 S.F.

BIOFILTRATION SWALE
AREA IN BUFFER:
1,010 S.F. BOTTOM AREA
(NOT INCLUDING SIDE SLOPES)



SITE / GRADING PLAN
SCALE: 1" = 50'



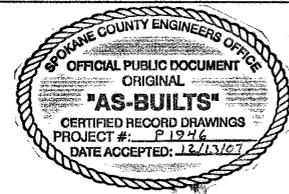
SECTION - WETLAND
NOT TO SCALE

CONSTRUCTION NOTES

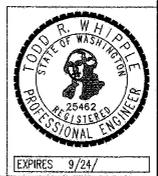
- 1 PROVIDE AND INSTALL 42 ± L.F. OF 12" C.M.P. STORM DRAIN PIPE, STA. (S)49+82.83, 145.07' LT., I.E.=2420.70, TO STA. (N)50+18.15, 167.13' LT., I.E.=2420.00, SLOPE=0.0167 '/FT.



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) 477-3560
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION
EXPIRES 9/24/



12/5/07	RECORD DRAWING
12/12/06	BOND REDUCTION REQUEST
	by ALLWEST TESTING AND ENGINEERING
08/04	RLM SUBMITTAL TO SPOKANE COUNTY ENGINEERS
01/17	RLM ORIGINAL PLAN PREPARATION
NO.	DATE BY REVISIONS

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

PROJ #: 2004-31
DATE: 08/03/08
DRAWN: RLM
APPROVED: TRW



STREET AND DRAINAGE PLANS
FOXTAIL ESTATES
GRADING PLAN
SPOKANE COUNTY, WASHINGTON

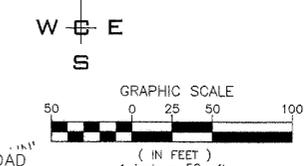
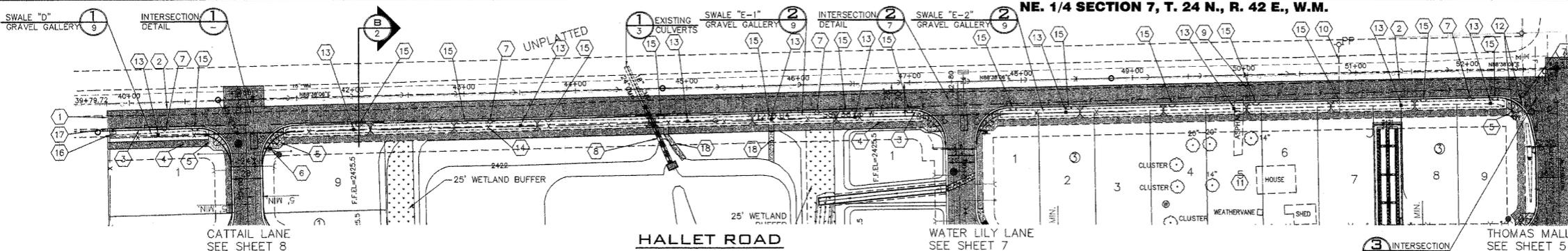
SHEET
3 OF 12
JOB NUMBER
2004-31

COUNTY DATUM
ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88), ORIGINATING FROM USGS MONUMENT W354 NEAR THE INTERSECTION OF GEIGER BLVD AND HAYFORD RD. ELEV=2412.34'

DEVELOPER'S APPROVAL _____ DATE _____

P1946 Eng As Built

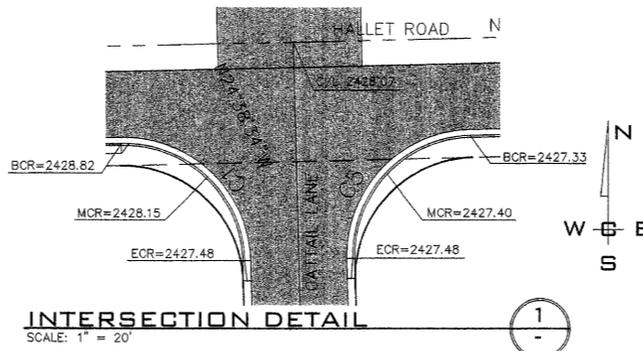
RECORD DRAWING



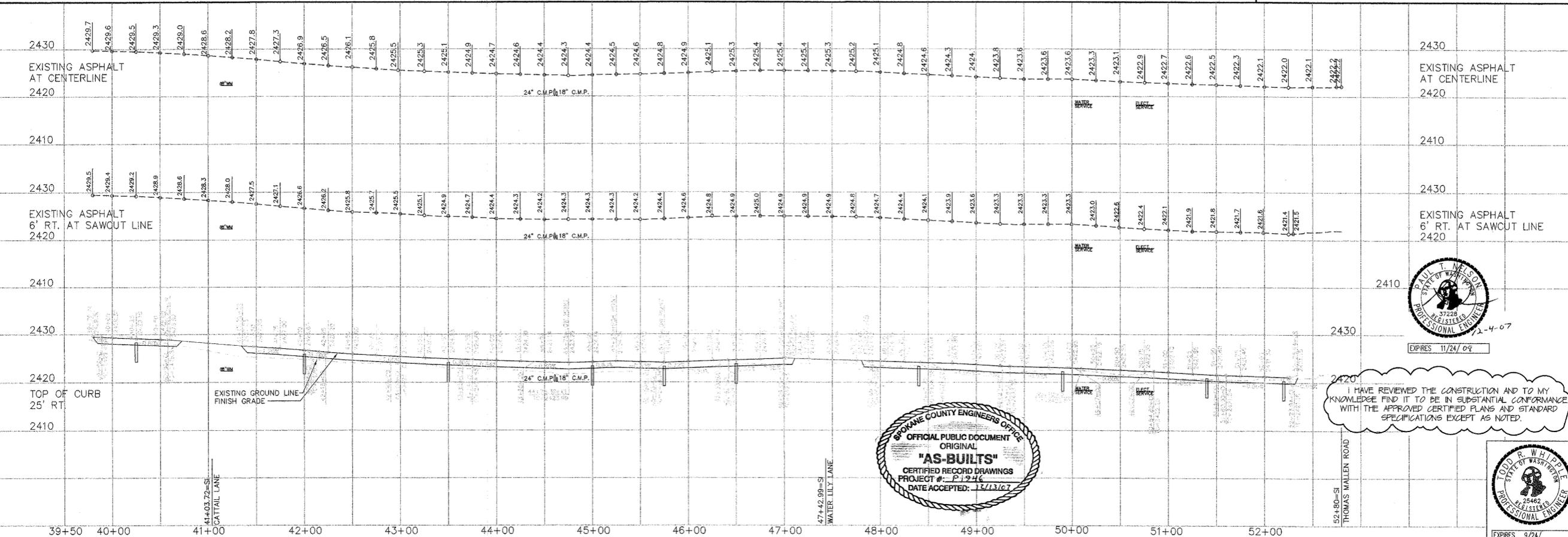
CONSTRUCTION NOTES

- 1 BEGIN PROJECT STA. 39+79.72 RIGHT.
- 2 SAWCUT LINE. SAWCUT AND PATCH, TACK AND MATCH EXISTING PAVEMENT PER SPOKANE COUNTY STANDARDS.
- 3 PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD PLAN A-3 AND DETAIL 1 SHEET 2.
- 4 PROVIDE AND INSTALL 6" SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-3.
- 5 PROVIDE AND INSTALL CURB RAMP DESIGN "B" PER SPOKANE COUNTY STANDARD PLAN A-5.
- 6 PROVIDE AND INSTALL STOP, STREET AND DEAD END SIGNS PER SPOKANE COUNTY STANDARD PLAN A-16 AND M.U.T.C.D.
- 7 EXISTING POWER POLE TO BE RELOCATED SEE SHEET 2.
- 8 EXISTING C.M.P. PIPES TO BE EXTENDED SEE DETAIL 1 SHEET 3.
- 9 EXISTING WATER TO BE ABANDONED SEE SHEET 2.
- 10 EXISTING UNDER GROUND POWER TO BE ABANDONED SEE SHEET 2.
- 11 EXISTING BUILDINGS, ASPHALT DRIVEWAY TO BE REMOVED SEE SHEET 2.
- 12 EXISTING SIGNS TO BE RELOCATED SEE SHEET 2.
- 13 PROVIDE AND INSTALL CATCH BASIN TYPE "1" WITH TYPE "1" METAL FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN "B-4 AND B-12".
- 14 EXISTING FENCE TO BE REMOVED SEE SHEET 2.
- 15 PROVIDE AND INSTALL TYPE "1" CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-9 AND DETAIL 4 SHEET 5 SEE PROFILE BELOW FOR STATIONS AND TOP OF CURB ELEVATIONS.
- 16 EXISTING POWER VAULT TO BE RELOCATED SEE SHEET 2.
- 17 STA. 39+79.78 RT. BEGIN ASPHALT, TYPE "B" CURB AND 6" SIDEWALK PER SPOKANE COUNTY STANDARD PLAN "A-1", SECTION "B" AND DETAIL 1 SHEET 2. MATCH TO EXISTING CURB AND WALK.
- 18 PROVIDE AND INSTALL TYPE "2" CONCRETE INLET IN SIDEWALK WITH 4" CONCRETE APRON TO CONTOUR 2422 AT STA'S 44+80.41 AND 45+75.

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	30.00	47.12	30.00	42.43	90°00'00"
C5	30.00	47.12	30.00	42.43	90°00'00"
C6	30.00	47.33	30.21	42.57	90°33'43"
C7	30.00	46.90	29.77	42.26	89°33'49"
C13	30.00	41.30	24.68	38.12	78°52'52"



CAUTION
 FIBER OPTIC CABLE IS ON THE SOUTH SIDE OF HALLET ROAD AND 4" GAS MAIN IS 1' ± SOUTH OF THE CENTER LINE OF HALLET. EXTREME CARE SHALL BE TAKEN BY THE CONTRACTOR ALONG HALLET ROAD



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.



COUNTY DATUM
 ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88), ORIGINATING FROM U.S.G.S. MONUMENT W354 NEAR THE INTERSECTION OF REISER BLVD. AND HAYFORD RD. ELEV=2412.34'

DEVELOPER'S APPROVAL _____ DATE _____

NO.	DATE	BY	REVISIONS
12/5/07	12/12/06		RECORD DRAWING BOND REDUCTION REQUEST by ALLWEST TESTING AND ENGINEERING
08/21	RLM		SUBMITTAL TO SPOKANE COUNTY ENGINEERS
10/24	RLM		ORIGINAL PLAN PREPARATION

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

PROJ #: 2004-31
 DATE: 08/21/06
 DRAWN: RLM
 APPROVED: TRW

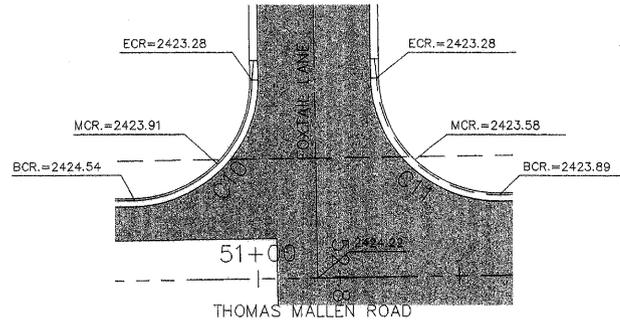


STREET AND DRAINAGE PLANS
FOXTAIL ESTATES
HALLET ROAD
 STA. 39+79.72 TO STA. 52+80
 SPOKANE COUNTY, WASHINGTON

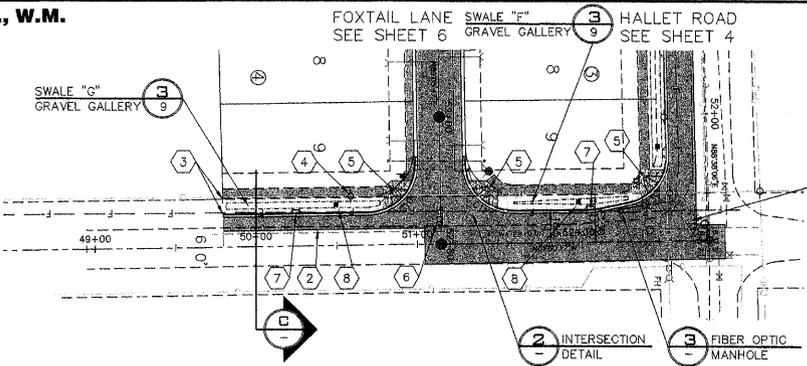
SHEET
4 OF 12
 JOB NUMBER
2004-31

P-1946 Eng'g Built

RECORD DRAWING

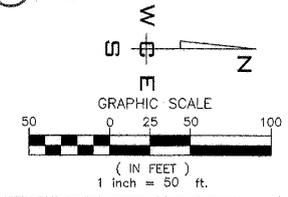


INTERSECTION DETAIL
SCALE: 1" = 20'



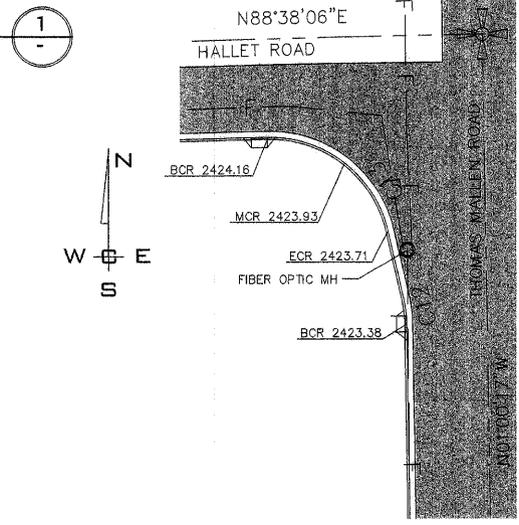
THOMAS MALLEM ROAD CONSTRUCTION NOTES

- 1 NOT USED
- 2 SAWCUT LINE. SAWCUT AND PATCH, TACK AND MATCH EXISTING PAVEMENT PER SPOKANE COUNTY STANDARDS.
- 3 STA. 49+79.81, 20' LT., BEGIN ASPHALT, TYPE "B" CURB, AND 6' SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1, SECTION "C" AND DETAIL 1 SHEET 2, MATCH TO EXISTING CURB AND WALK.
- 4 POWER POLE TO REMAIN, CONTRACTOR SHALL POUR SIDEWALK CONCRETE AROUND POLE ALSO SEE SHEET 2.
- 5 PROVIDE AND INSTALL CURB RAMP DESIGN "B" PER SPOKANE COUNTY STANDARD PLAN A-5.
- 6 EXISTING SIGN TO BE RELOCATED SEE SHEET 2.
- 7 PROVIDE AND INSTALL TYPE "1" CURB INLET PER SPOKANE COUNTY STANDARD PLAN "B-8" AND SEE DETAIL 4 THIS SHEET.
- 8 PROVIDE AND INSTALL CATCH BASIN TYPE "1" WITH TYPE "1" METAL FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN "B-4 AND B-12".



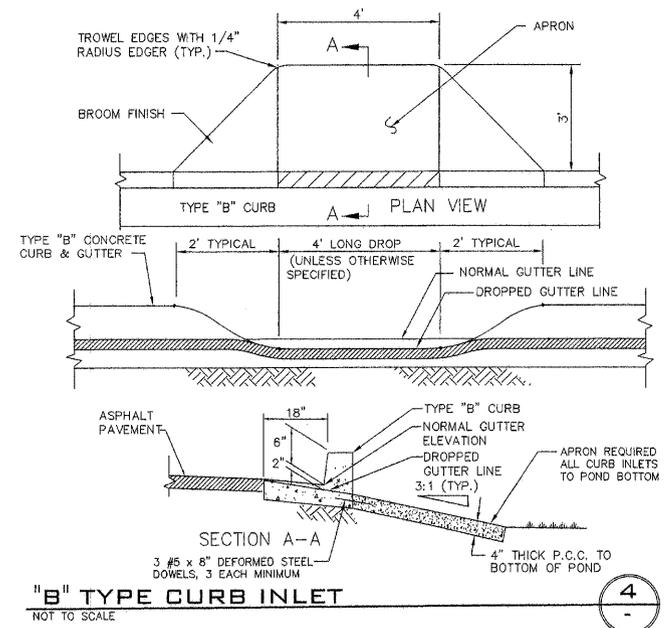
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	30.00	47.12	30.00	42.43	90°00'00"
C11	30.00	47.12	30.00	42.43	90°00'00"
C12	30.00	6.08	3.04	6.05	11°34'50"
C13	30.00	41.30	24.68	38.12	78°52'52"

NOT USED
SCALE: 1" = 1'-0"

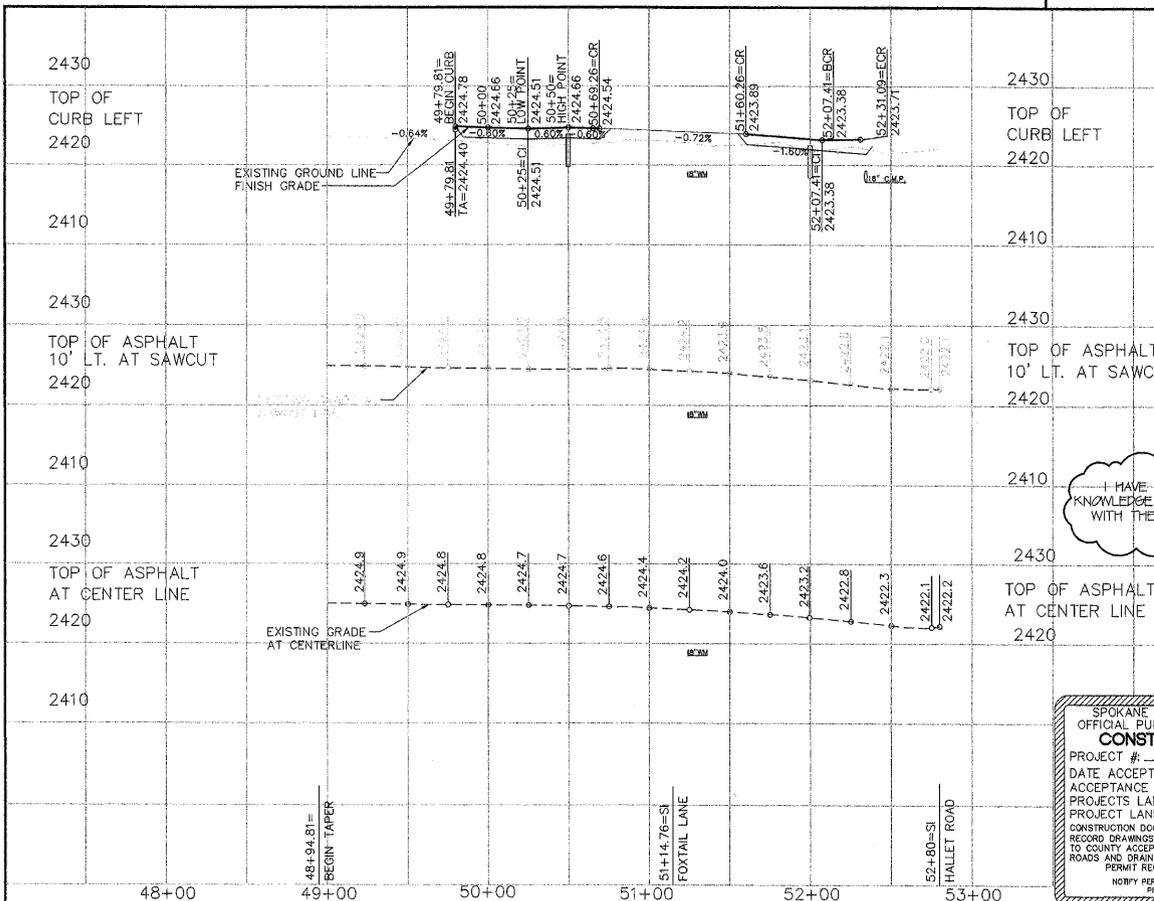


INTERSECTION DETAIL
SCALE: 1" = 20'

CAUTION
FIBER OPTIC CABLE IS ON THE WEST SIDE OF THOMAS MALLEM ROAD AND 24" WATER MAIN IS ON THE WEST SIDE. EXTREME CARE SHALL BE TAKEN BY THE CONTRACTOR ALONG THOMAS MALLEM ROAD.

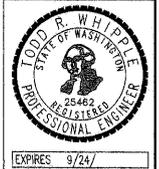


"B" TYPE CURB INLET
NOT TO SCALE



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



COUNTY DATUM
ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD-88, ORIGINATING FROM U.S.G.S. MONUMENT W354 NEAR THE INTERSECTION OF GEIGER BLVD. AND HAYFORD RD. ELEV.=2412.34'

DEVELOPER'S APPROVAL _____ DATE _____

NO.	DATE	BY	REVISIONS
	12/5/07		RECORD DRAWING
	12/12/06		BOND REDUCTION REQUEST
			by ALLWEST TESTING AND ENGINEERING
	08/21	RLM	SUBMITTAL TO SPOKANE COUNTY ENGINEERS
	10/26	RLM	ORIGINAL PLAN PREPARATION

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

PROJ #: 2004-31
DATE: 08/21/06
DRAWN: RLM
APPROVED: TRW



STREET AND DRAINAGE PLANS
FOXTAIL ESTATES
THOMAS MALLEM ROAD
STA. 48+94.81 TO STA. 52+81.07
SPOKANE COUNTY, WASHINGTON

SHEET
5 OF 12
JOB NUMBER
2004-31

P-1946 Eng As Built

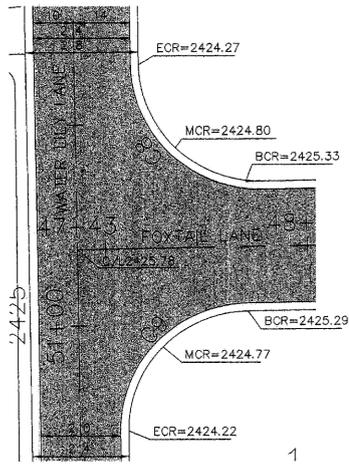
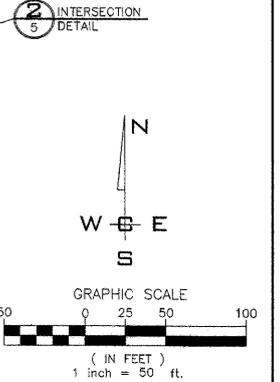
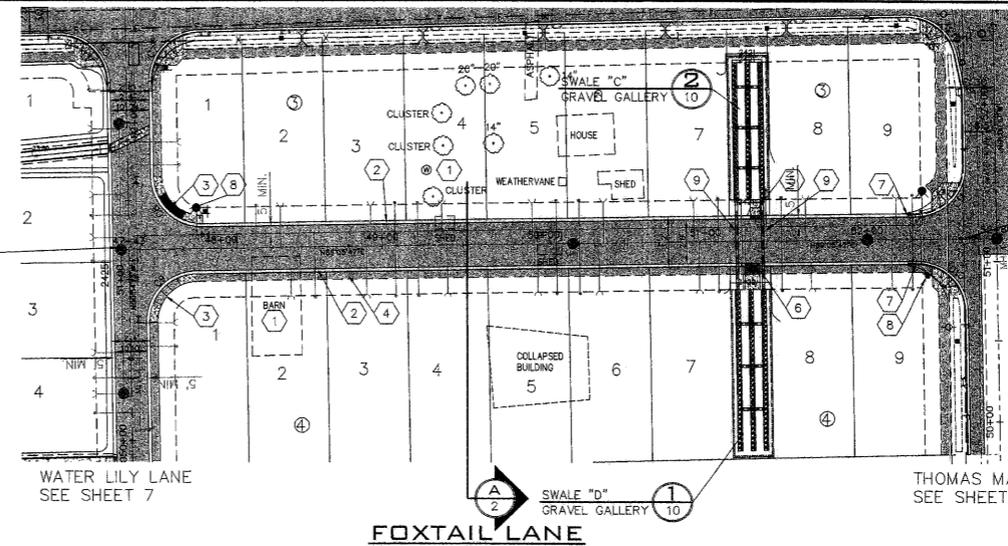
RECORD DRAWING

CONSTRUCTION NOTES

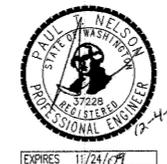
- 1 ALL STRUCTURES TO BE RAISED AND WELL TWO BE ABANDONED SEE SHEET 2.
- 2 PROVIDE AND INSTALL "R" TYPE CURB SEE DETAIL 2 SHEET 2.
- 3 PROVIDE AND INSTALL CURB RAMP DESIGN "A" PER SPOKANE COUNTY STANDARD PLAN A-5.
- 4 PROVIDE AND INSTALL 5' SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
- 5 STA. 51+31 LEFT PROVIDE AND INSTALL "R" TYPE CURB INLET 6' TYPE "1" PER SPOKANE COUNTY STANDARD PLAN B-8 AND DETAIL 2 THIS SHEET.
- 6 STA. 51+31 RIGHT PROVIDE AND INSTALL "R" TYPE CURB INLET DOUBLE TYPE "2" PER SPOKANE COUNTY STANDARD PLAN B-9.
- 7 PROVIDE AND INSTALL "B" TYPE CURB TO "R" TYPE CURB TRANSITION SEE DETAIL 3 SHEET 2.
- 8 PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN "A-16" AND M.U.T.C.D.
- 9 PROVIDE AND INSTALL 18" C.M.P. STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS SEE DETAIL 1 AND 2 SHEET 10.

CURVE TABLE IN FEET

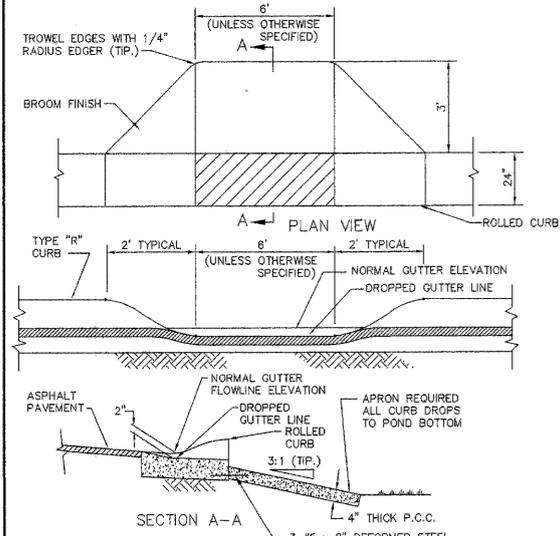
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C8	30.00	47.12	30.00	42.43	90°00'00"
C9	30.00	47.12	30.00	42.43	90°00'00"
C10	30.00	47.12	30.00	42.43	90°00'00"
C11	30.00	47.12	30.00	42.43	90°00'00"



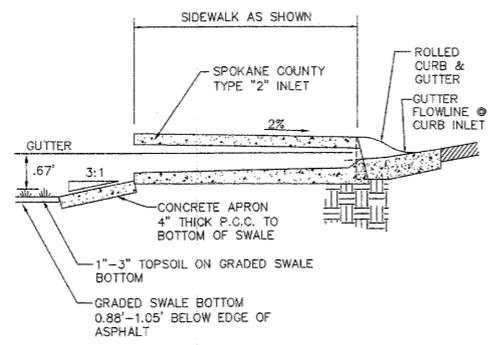
INTERSECTION DETAIL
SCALE: 1" = 20'



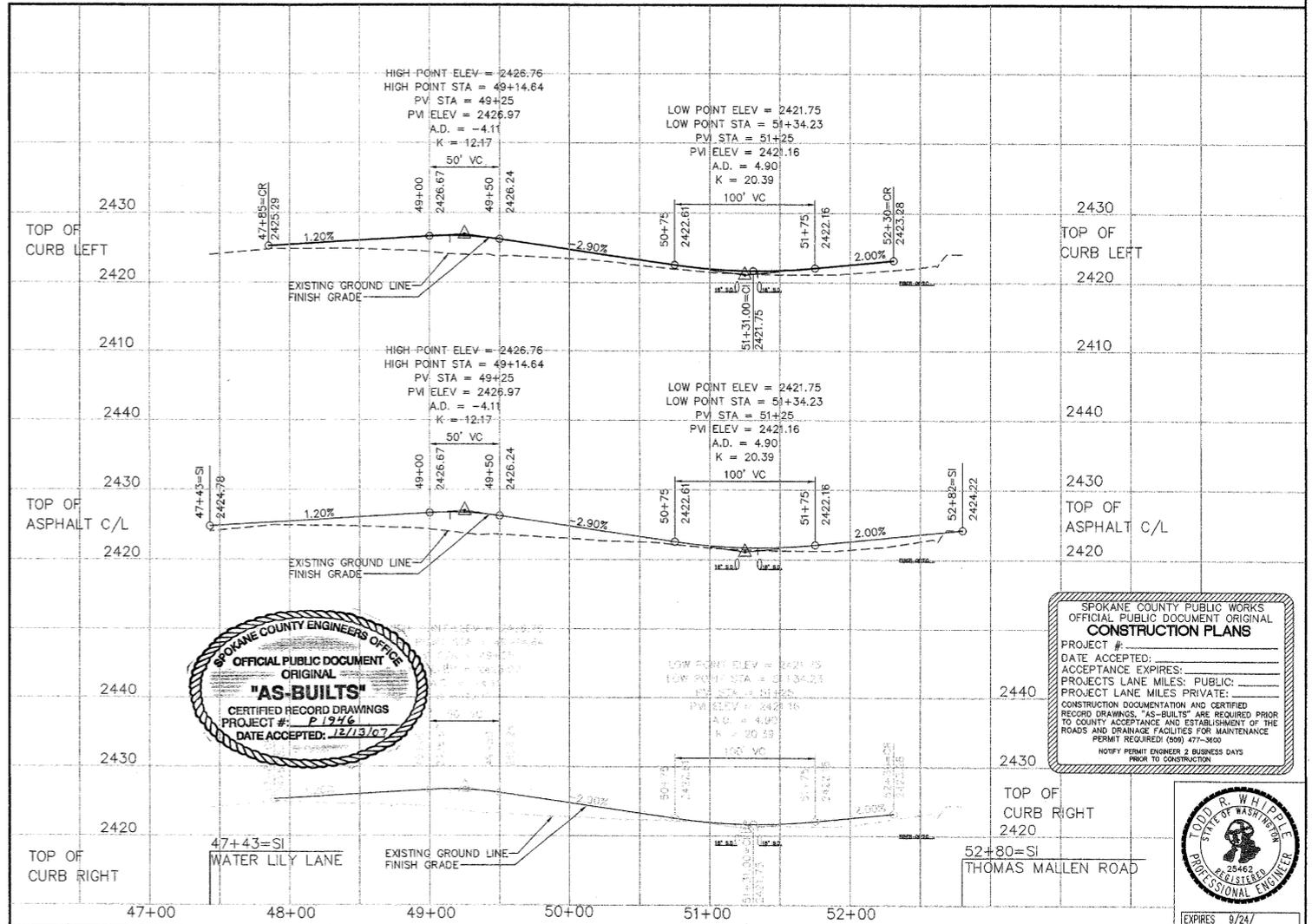
I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.



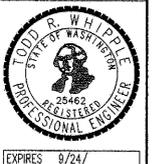
"R" TYPE CURB INLET
NOT TO SCALE



TYPE "R" CURB-TYPE "2" INLET
NOT TO SCALE



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) 477-3609
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



COUNTY DATUM
ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88), ORIGINATING FROM U.S.G.S. MONUMENT 7054 NEAR THE INTERSECTION OF GEIGER BLVD. AND HAYFORD RD. ELEV=2412.34

DEVELOPER'S APPROVAL _____

DATE _____

NO.	DATE	BY	REVISIONS
	12/5/07		RECORD DRAWING
	12/12/06		BOND REDUCTION REQUEST by ALLWEST TESTING AND ENGINEERING
	08/21	RLM	SUBMITTAL TO SPOKANE COUNTY ENGINEERS
	11/23	RLM	ORIGINAL PLAN PREPARATION

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

PROJ #: 2004-31
DATE: 08/21/06
DRAWN: RLM
APPROVED: TRW



STREET AND DRAINAGE PLANS
FOXTAIL ESTATES
FOXTAIL LANE
STA. 47+43 TO STA. 52+80
SPOKANE COUNTY, WASHINGTON

SHEET
6 OF 12
JOB NUMBER
2004-31

P-1946 Eng As Built

REINFORCING NOTES

- DIMENSION SHOWN FOR REINFORCING BARS ARE OUT TO OUT. ALL HOOKS ARE A.C.I. STANDARD HOOKS.
- REINFORCING STEEL SHALL CONFORM TO A.S.T.M. A-615, GRADE 60 OR BETTER.
- CONCRETE SHALL HAVE A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I. AND SHALL BE AIR-ENTRAINED.
- ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4" CHAMFER.
- CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN MUST BE APPROVED BY THE ENGINEER.
- ALL CONSTRUCTION JOINTS SHALL BE 1 1/2" DEEP WITH A WIDTH OF 1/3 OF THE MEMBER THICKNESS UNLESS SHOWN OTHERWISE.

STRUCTURAL NOTES

- CODES:
 - A. UNIFORM BUILDING CODE 1997 EDITION
 - B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE A.C.I.-318-89.
- DESIGN LOADINGS:
 - A. SEISMIC - ZONE 2B
 - B. WIND - U.B.C. METHOD 1 (NORMAL FORCE METHOD). 70 M.P.H. BASIC, EXPOSURE C.
 - C. NOW - 30 P.S.F., ROOF DEAD LOAD = 15 P.S.F.
 - D. FLOOR - 250 P.S.F., L.L.
 - E. ALLOWABLE SOIL PRESSURE - 3000 P.S.F.
- CAST-IN-PLACE CONCRETE
 - A. SPECIAL INSPECTION REQUIRED FOR CONCRETE AND BOLTS EMBEDDED IN CONCRETE
 - B. F'c = 3,000 P.S.I. AT 28 DAYS
 - C. 6 SACKS OF CEMENT PER CUBIC YARD MINIMUM CEMENT CONTENT
 - D. PLACE AND CURE PER A.C.I. STANDARDS
 - E. 5" MAXIMUM SLUMP. PLACE AND CURE PER A.C.I. STANDARDS
- REINFORCING STEEL:
 - A. ALL REINFORCING BARS TO BE A.S.T.M. A-615 GRADE 60 EXCEPT NO. 3 BARS TO BE GRADE 40
 - B. FABRICATE AND PLACE REINFORCING PER A.C.I. STANDARDS
 - C. WELD WIRE MESH TO BE A.S.T.M. A-185
- SHOP DRAWINGS:
 - A. THE FOLLOWING ITEMS SHALL HAVE SHOP DRAWINGS SUBMITTED TO AND APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION. IF THE ITEM IS DESIGNED BY THE SUPPLIER, CALCULATIONS STAMPED BY A LICENSED WASHINGTON STATE STRUCTURAL ENGINEER ARE ALSO REQUIRED

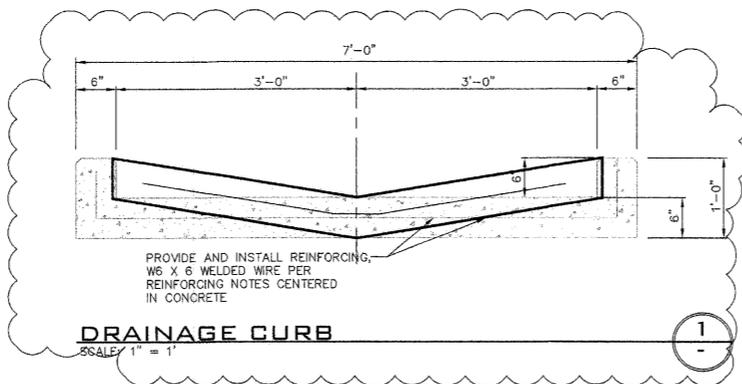
1. REINFORCING FOR CAST-IN-PLACE CONCRETE

CONSTRUCTION NOTES

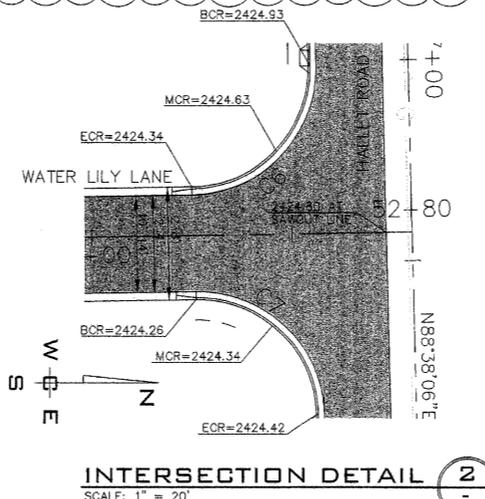
- PROVIDE AND INSTALL, STA. 49+85.27 LT. CURB INLET 6" TYPE "1" PER SPOKANE COUNTY STANDARD PLAN "B-8", TOP OF CURB EL.=2423.64.
- PROVIDE AND INSTALL, STA. 51+89.31 LT. CURB INLET 6" TYPE "1" PER SPOKANE COUNTY STANDARD PLAN "B-8", TOP OF CURB EL.=2424.28.
- PROVIDE AND INSTALL 125' ± L.F. OF DRAINAGE CURB SEE DETAIL 1 THIS SHEET.
- PROVIDE AND INSTALL 109' ± L.F. OF DRAINAGE CURB SEE DETAIL 1 THIS SHEET.
- PROVIDE AND INSTALL CURB RAMP, DESIGN "A", PER SPOKANE COUNTY STANDARD PLAN A-5.
- PROVIDE AND INSTALL 5 FOOT CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
- PROVIDE AND INSTALL TYPE "R" CURB PER DETAIL 2 SHEET 2.
- PROVIDE AND INSTALL 6" WIDE CONCRETE CROSS GUTTER, STA. 51+89.28 TO STA. 51+95.81 SIMILAR TO SPOKANE COUNTY STANDARD PLAN "B-18".
- PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN "A-16" AND M.U.T.C.D.
- PROVIDE AND INSTALL CURB TRANSITION PER DETAIL 3 SHEET 2.

CURVE TABLE IN FEET

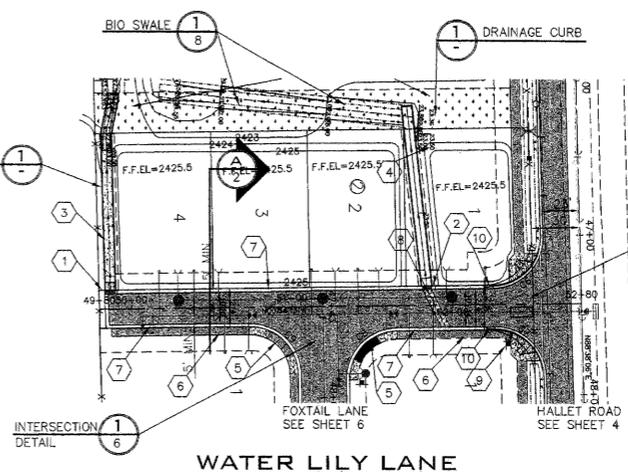
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C6	30.00	47.33	30.21	42.57	90°23'43"
C7	30.00	46.90	29.77	42.26	89°33'49"
C8	30.00	47.12	30.00	42.43	90°00'00"
C9	30.00	47.12	30.00	42.43	90°00'00"



DRAINAGE CURB
SCALE: 1" = 1'



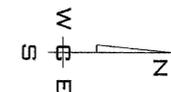
INTERSECTION DETAIL 2
SCALE: 1" = 20'



WATER LILY LANE

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE DIGGING

**RECORD
DRAWING**



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



SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #:
DATE ACCEPTED: _____
ACCEPTANCE EXPIRES: _____
PROJECTS LANE MILES: PUBLIC: _____
PRIVATE: _____
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILT" 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



EXPIRES 9/24/07

COUNTY DATUM

ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88) ORIGINATING FROM U.S.G.S. MONUMENT W354 NEAR THE INTERSECTION OF GEIGER BLVD AND HAYFORD RD. ELEV=2412.34

DEVELOPER'S APPROVAL _____

DATE _____

NO.	DATE	BY	REVISIONS
	12/5/07		RECORD DRAWING
	12/12/06		BOND REDUCTION REQUEST by ALLWEST TESTING AND ENGINEERING
	08/21	RLM	SUBMITTAL TO SPOKANE COUNTY ENGINEERS
	12/15	RLM	ORIGINAL PLAN PREPARATION

SCALE:

HORIZONTAL:
1" = 50'

VERTICAL:
1" = 10'

PROJ #: 2004-31
DATE: 08/21/06
DRAWN: RLM
APPROVED: TRW

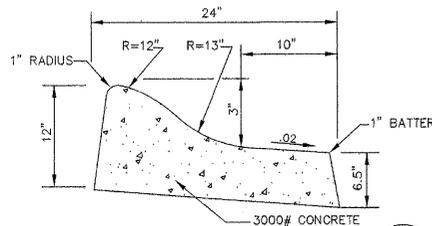


**STREET AND DRAINAGE PLANS
FOXTAIL ESTATES
WATER LILY LANE
STA. 49+80 TO STA. 52+80
SPOKANE COUNTY, WASHINGTON**

SHEET
7 OF 12
JOB NUMBER
2004-31

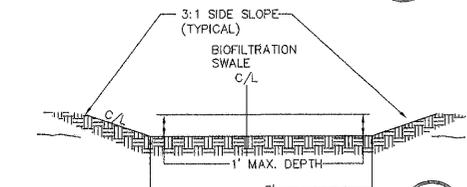
P1946 Eng As Built

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



SPILL CURB DETAIL

NOT TO SCALE



SECTION

NOT TO SCALE

NOTE:

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

- 10 PER CENT ELKA PERENNIAL RYE
- 20 PERCENT DURAR HARD FESCUE
- 45 PERCENT COVAR SHEEP/FESCUE
- 15 PERCENT REUBENS CANADIAN BLUEGRASS

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

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

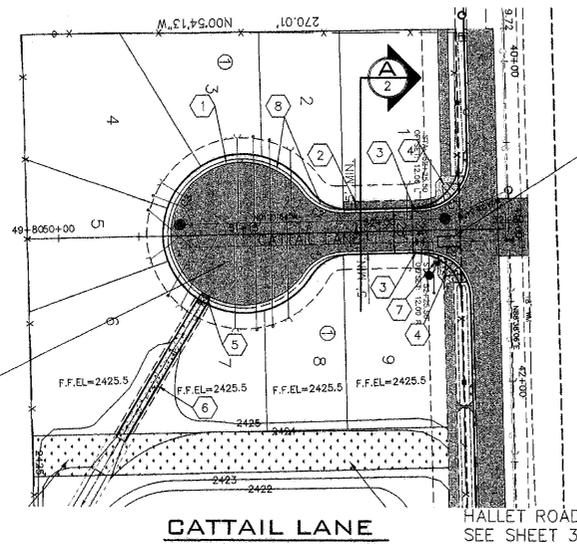
ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE W.S.D.O.T. STANDARD SPECIFICATIONS, SECTION 8-01.

CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL "R" TYPE CURB PER DETAIL 2 SHEET 2.
- 2 PROVIDE AND INSTALL 5 FOOT CEMENT CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1 AND SECTION "A" SHEET 2.
- 3 PROVIDE AND INSTALL "B" TYPE CURB TO "R" TYPE CURB TRANSITION PER SPOKANE COUNTY STANDARDS AND DETAIL 3 SHEET 2.
- 4 PROVIDE AND INSTALL CURB RAMP DESIGN "B" PER SPOKANE COUNTY STANDARD PLAN A-5.
- 5 PROVIDE AND INSTALL CONCRETE INLET 6" TYPE "1" PER SPOKANE COUNTY STANDARD PLANS B-5 ND B-8, TC=2424.72.
- 6 PROVIDE AND INSTALL 96.50 ± L.F. OF CONCRETE DRAINAGE CURB SEE DETAIL 1 SHEET 7.
- 7 PROVIDE AND INSTALL STREET, STOP, AND NO OUTLET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16 AND M.U.T.C.D.
- 8 PROVIDE AND INSTALL TYPE "R" SPILL CURB PER DETAIL 3 THIS SHEET.
- 9 FOR CUL-DE-SAC PROFILE SEE DETAIL 2 SHEET 10A.

CURVE TABLE IN FEET

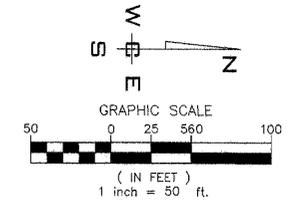
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	30.00	47.12	30.00	42.43	90°00'00"
C2	30.00	28.88	15.67	27.77	55°09'00"
C3	47.00	238.13	32.73	53.71	290°18'01"
C4	30.00	28.88	15.67	27.77	55°09'00"
C5	30.00	47.12	30.00	42.43	90°00'00"



CATTAIL LANE

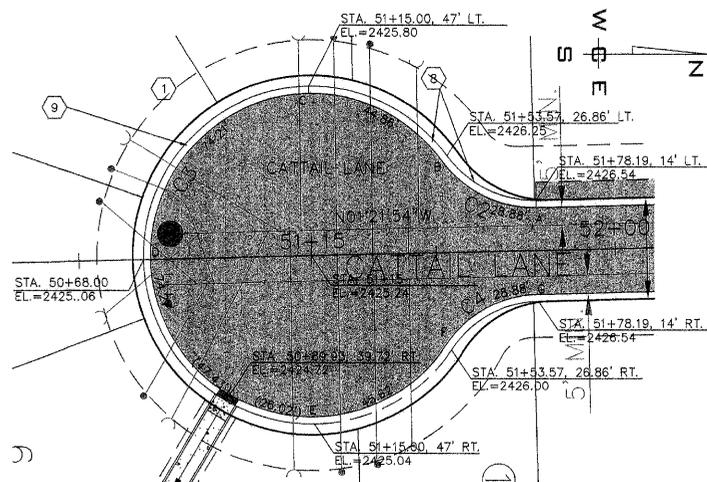
HALLET ROAD
SEE SHEET 3

RECORD DRAWING



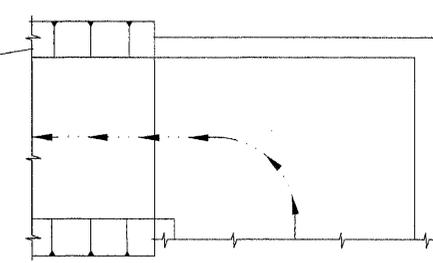
GENERAL NOTES

1. SWALE TO BE IRRIGATED AND SEEDED WITH DRYLAND GRASSES UNTIL GRASS IS ESTABLISHED.
2. SWALE BOTTOM MAY BE SODDED WITH A BLUEGRASS FESCUE.

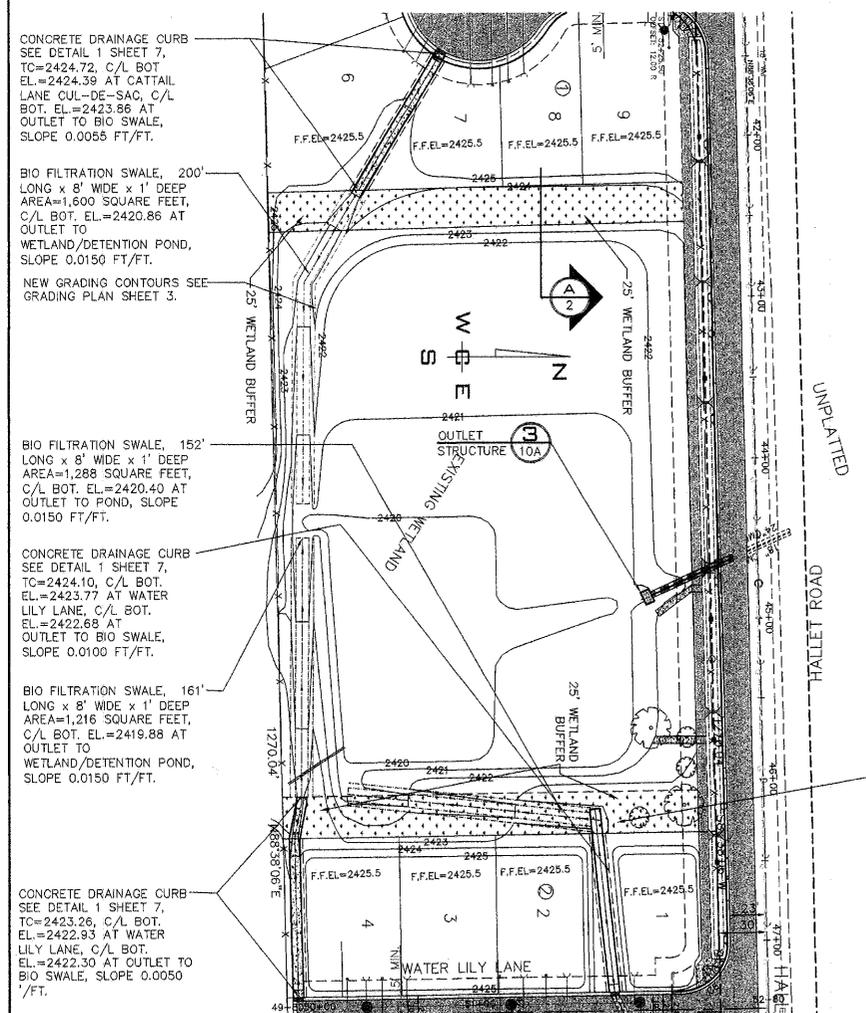


INTERSECTION DETAIL

SCALE: 1" = 20'

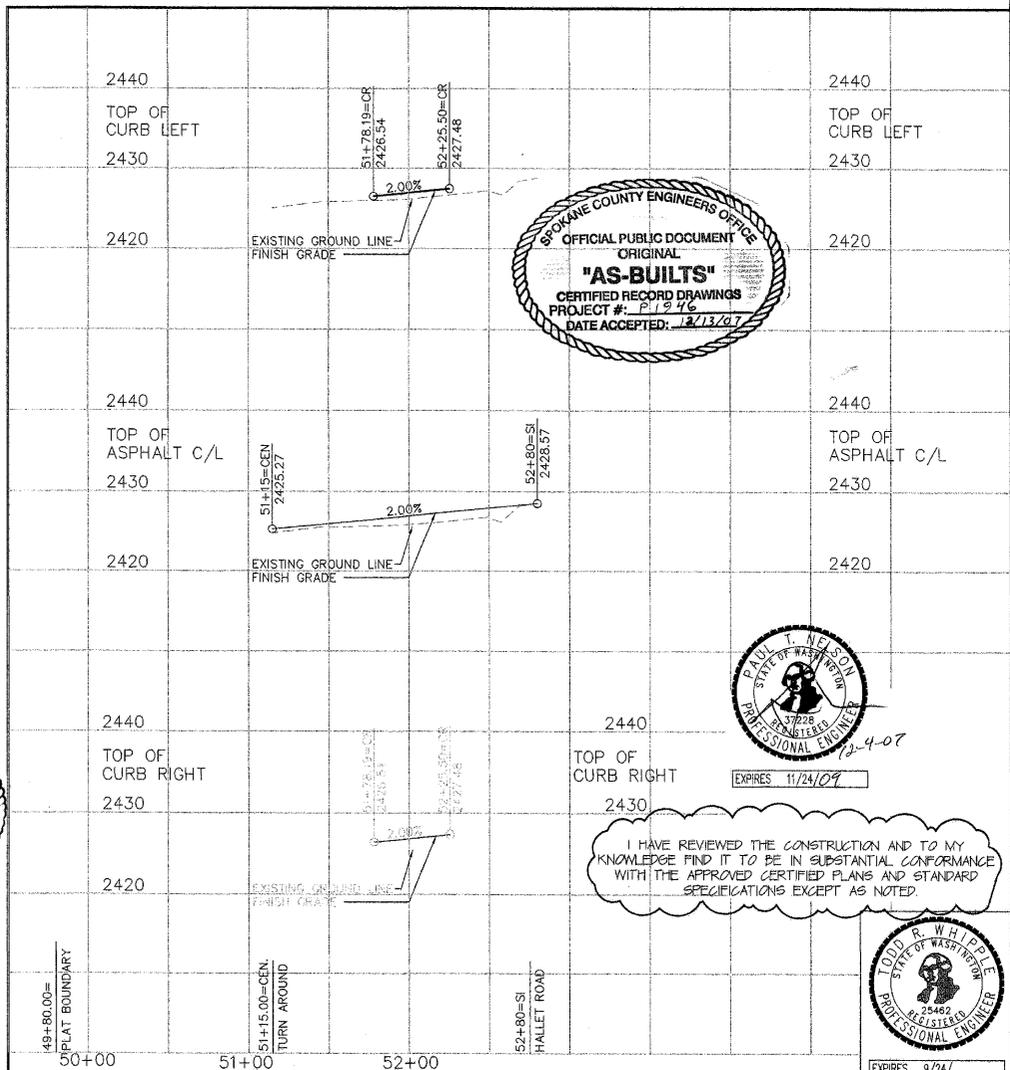


AT OUTLET TO BIO SWALE OMIT CURB ON DISCHARGE SIDE EQUAL TO THE BOTTOM WIDTH (TYPICAL). SLOPE TO SWALE AS SHOWN.



BIO-FILTRATION SWALES

SCALE: 1" = 50'



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1946
DATE ACCEPTED: 12/13/07

PAUL T. NELSON
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
12-9-07
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.

LEDD R. W. HUBLE
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
25482
EXPIRES 9/24/

COUNTY DATUM

ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88), ORIGINATING FROM U.S.G.S. MONUMENT W354 NEAR THE INTERSECTION OF GEGER BLVD AND HAYFORD RD. ELEV=2412.34

DEVELOPER'S APPROVAL

DATE

NO.	DATE	BY	REVISIONS
	12/5/07		RECORD DRAWING
	12/12/06		BOND REDUCTION REQUEST by ALLWEST TESTING AND ENGINEERING
	08/21	RLM	SUBMITTAL TO SPOKANE COUNTY ENGINEERS
	12/19	RLM	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL:
1" = 60'
VERTICAL:
1" = 10'

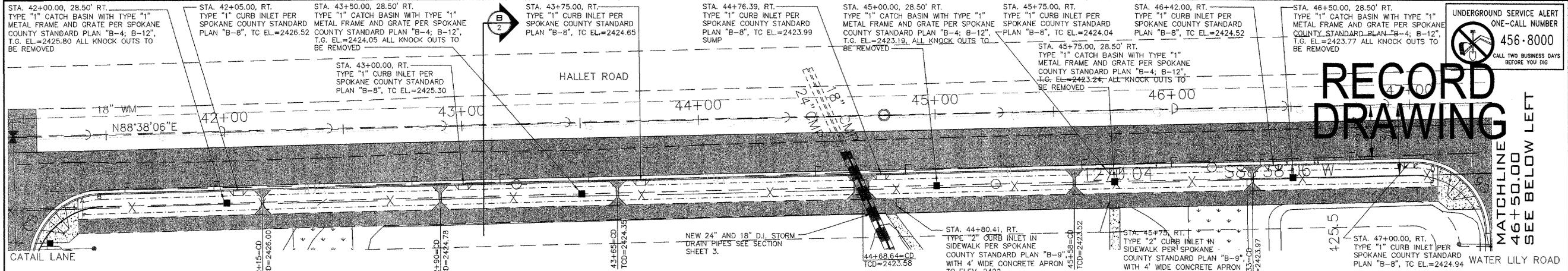
PROJ #: 2004-31
DATE: 08/21/06
DRAWN: RLM
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-826-0227

STREET AND DRAINAGE PLANS
FOXTAIL ESTATES
CATTAIL LANE
STA. 49+80.00 TO STA. 52+80
SPOKANE COUNTY, WASHINGTON

SHEET
8 OF 12
JOB NUMBER
2004-31

R1946 Eng As-Built



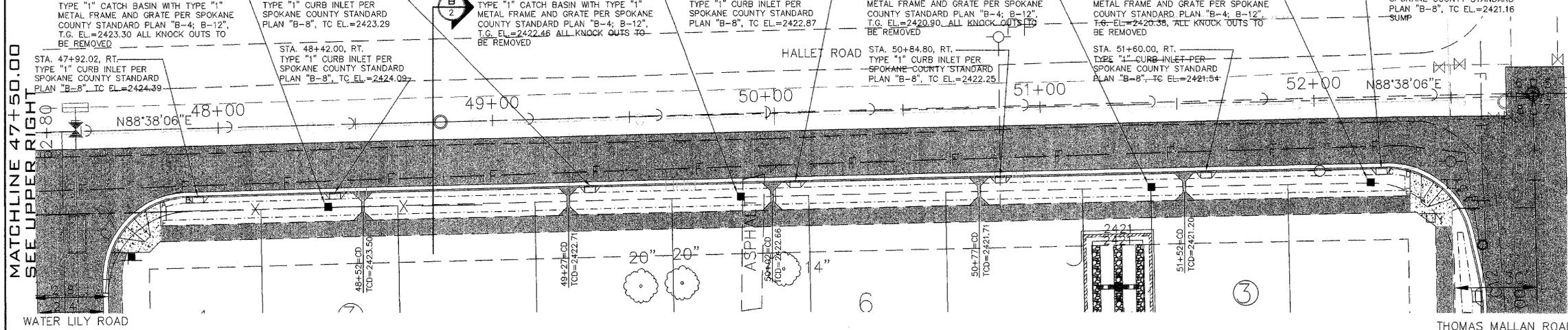
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

**RECORD
DRAWING**

MATCHLINE
46+50.00
SEE BELOW LEFT

SWALE "E-1 AND E-2"

SCALE: 1" = 20'



SWALE BOTTOM LOCATION TABLE
STATION AND OFFSET FOR "E-1"

POINT	STATION	OFFSET	DISTANCE	RADIUS
A	41+40.35	28.91' RT.	6.95'	26.50'
B	41+47.22	28.00' RT.	553.87'	
C	47+01.09	28.00' RT.	7.11'	26.47'
D	47+08.09	28.95' RT.	3.08'	
E	47+08.08	32.00' RT.	567.55'	
F	41+40.35	32.00' RT.	3.11'	
A	41+40.35	28.91' RT.		

SWALE BOTTOM LOCATION TABLE
STATION AND OFFSET FOR "E-2"

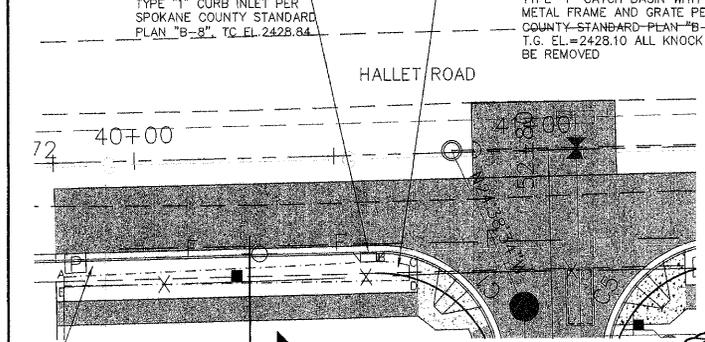
POINT	STATION	OFFSET	DISTANCE	RADIUS
A	47+80.28	28.14' RT.	6.90'	26.50'
B	47+88.05	27.00' RT.	441.89'	
C	52+25.94	27.00' RT.	5.47'	26.50'
D	52+31.39	28.56' RT.	3.44'	
E	52+31.27	32.00' RT.	454.09'	
F	47+77.23	32.00' RT.	3.44'	
A	47+77.23	28.89' RT.	3.11'	

SWALE "E-1 AND E-2"

FINISHED GRADE POND BOTTOM EL. VARIES
POND BOTTOM AREA PROVIDED=3,280 S.F.
MINIMUM BERM ELEV.=8" ABOVE SWALE
BOTTOM

SWALE "D"

SCALE: 1" = 20'



SWALE BOTTOM LOCATION TABLE
STATION AND OFFSET

POINT	STATION	OFFSET	DISTANCE	RADIUS
A	39+81.73	28.90' RT.	78.51'	
B	40+60.22	27.00' RT.	8.09'	27.50'
C	40+68.19	28.18' RT.	3.83'	
D	40+68.19	32.01' RT.	86.45'	
E	39+81.82	31.36' RT.	2.20'	
A	39+81.73	30.00' RT.		

SWALE "D"

SCALE: 1" = 20'

FINISHED GRADE POND BOTTOM EL.=2427.60
POND BOTTOM AREA PROVIDED=316 S.F.
MINIMUM BERM ELEV.=8" ABOVE SWALE
BOTTOM

OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1916
DATE ACCEPTED: 12/13/07

SWALE "G"

FINISHED GRADE POND BOTTOM EL.=2423.21
POND BOTTOM AREA PROVIDED=246 S.F.
MINIMUM BERM ELEV.=2422.96

SWALE BOTTOM LOCATION TABLE
STATION AND OFFSET

POINT	STATION	OFFSET	DISTANCE	RADIUS
A	49+81.78	23.50' LT.	87.48'	
B	50+69.26	23.50' LT.	8.08'	26.50'
C	50+77.22	24.72' LT.	2.78'	
D	50+77.22	27.50' LT.	95.48'	
E	49+81.73	27.50' LT.	2.78'	
A	49+81.78	23.50' LT.	4.00'	

SWALE "G"

SCALE: 1" = 20'

NE. 1/4 SECTION 7, T. 24 N., R. 42 E., W.M.

SWALE "F"

FINISHED GRADE POND BOTTOM EL.=2421.84
POND BOTTOM AREA PROVIDED=188 S.F.
MINIMUM BERM ELEV.=2422.96

SWALE BOTTOM LOCATION TABLE
STATION AND OFFSET

POINT	STATION	OFFSET	DISTANCE	RADIUS
A	51+60.28	24.78' LT.	47.20'	
B	52+07.44	23.58' LT.	23.84'	
C	52+31.09	26.62' LT.	2.00'	
D	52+31.09	28.62' LT.	23.67'	
E	52+307.45	27.58' LT.	42.23'	
F	52+60.26	26.73' LT.	2.00'	
A	52+60.26	24.78' LT.	0.94'	

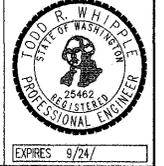
SWALE "F"

SCALE: 1" = 20'

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 (609) 477-3500
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS
PRIOR TO CONSTRUCTION



COUNTY DATUM
ELEVATIONS SHOWN ARE BASED ON NORTH
AMERICAN VERTICAL DATUM OF 1988
(NAVD=88), ORIGINATING FROM USGS
MONUMENT W354 NEAR THE INTERSECTION
OF GEISER BLVD AND HAYFORD RD.
ELEV.=2412.34'

DEVELOPER'S APPROVAL _____ DATE _____

NO.	DATE	BY	REVISIONS
12/5/07			RECORD DRAWING
12/12/06			BOND REDUCTION REQUEST by ALLWEST TESTING AND ENGINEERING
08/21	RLM		SUBMITTAL TO SPOKANE COUNTY ENGINEERS
10/24	RLM		ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL:
AS SHOWN
VERTICAL:
AS SHOWN

PROJ #: 2004-31
DATE: 08/21/06
DRAWN: RLM
APPROVED: TRW

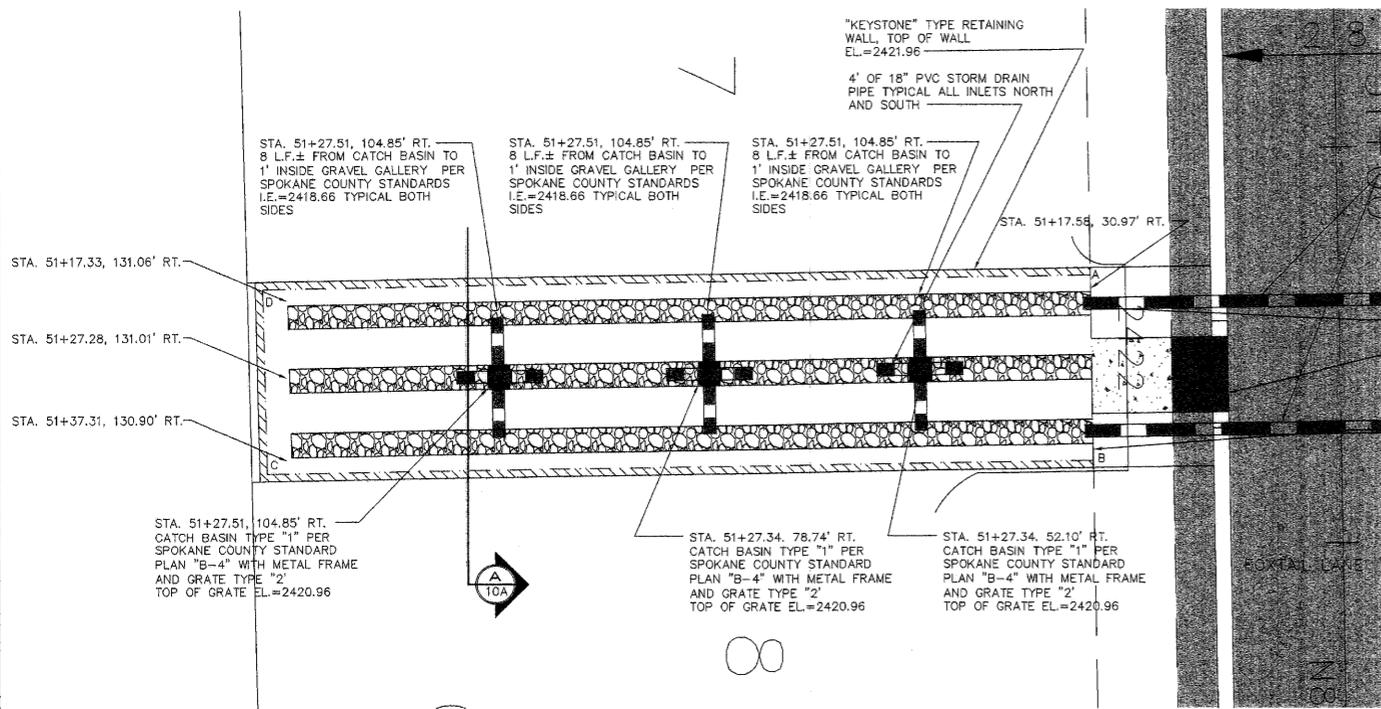
STREET AND DRAINAGE PLANS
FOXTAIL ESTATES
SWALE DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
9 OF 12
JOB NUMBER
2004-31

P1916 Eng As Built

RECORD DRAWING

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

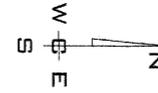


STA. 51+19.50 AND 51+35.46
32.00' RT. PROVIDE AND
INSTALL 59 L.F. OF 18" C.M.P.
STORM DRAIN PIPE
I.E.(S)=2417.96, I.E.(N)
=2417.96, S=0.0000.

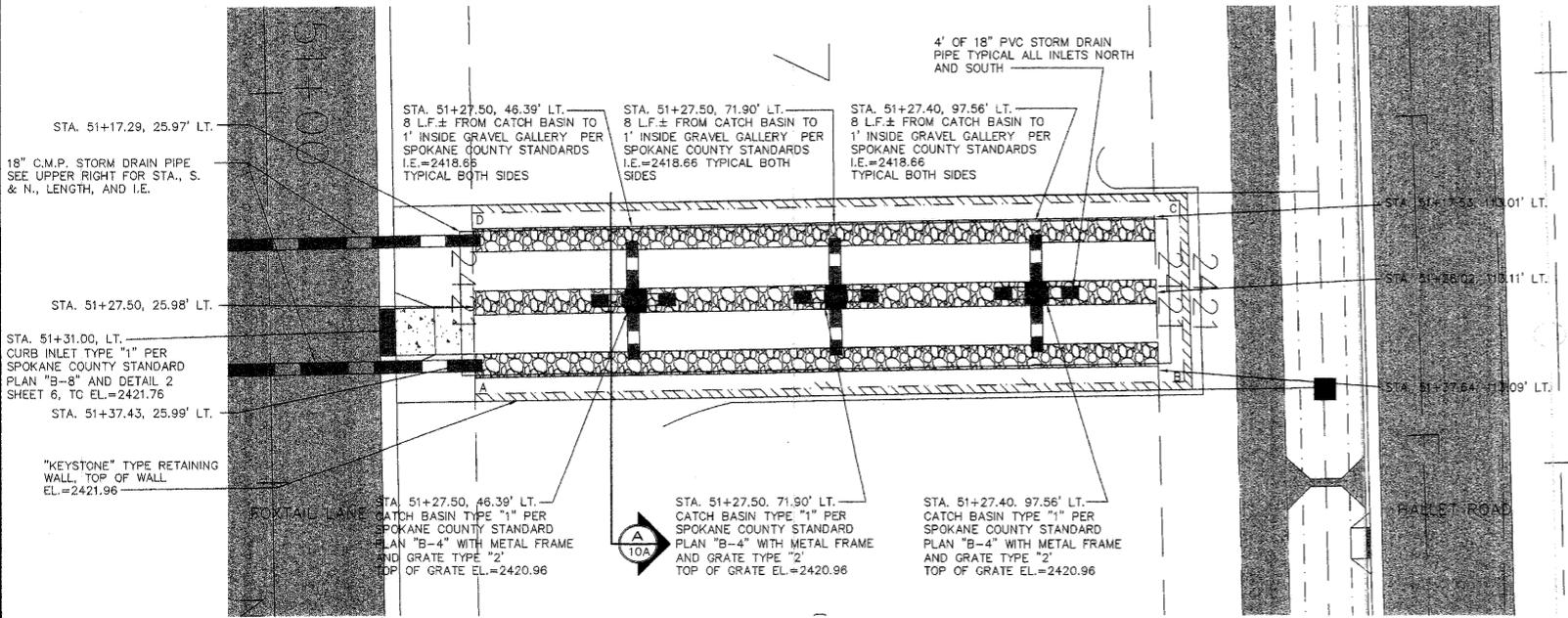
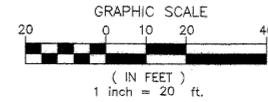
POINT	STATION	OFFSET	DISTANCE	RADIUS
A	51+15.93	30.99' RT.	23.14'	
B	51+39.07	31.06' RT.	102.91'	
C	51+39.07	133.97' RT.	23.14'	
D	51+15.93	134.15' RT.	103.15'	
A	51+15.93	30.99' RT.		

SWALE "B"
FINISHED GRADE POND BOTTOM EL.=2420.29
POND BOTTOM AREA PROVIDED=2,384 S.F.
MINIMUM BERM ELEV.=2421.06
INLET RIMS AT EL.2420.96

NOTE:
CATCH BASIN TYPE "1" HAS 20"
KNOCKOUTS ON ALL SIDES.
CONTRACTOR SHALL KNOCK ALL
OF THEM AND INSTALL 18"
STORM DRAIN PIPE TO THE
WEST AND EAST. NORTH AND
SOUTH ADD 4" OF 18" PVC
STORM DRAIN PIPE NORTH AND
SOUTH.



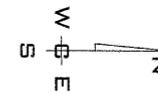
SWALE "B"
SCALE: 1" = 10'



POINT	STATION	OFFSET	DISTANCE	RADIUS
A	51+39.00	26.00' LT.	90.22'	
B	51+39.00	116.35' LT.	23.10'	
C	51+16.328	116.17' LT.	90.17'	
D	51+16.00	26.13' LT.	15.14'	
A	51+35.06	26.00' LT.		

SWALE "C"
FINISHED GRADE POND BOTTOM EL.=2420.29
POND BOTTOM AREA PROVIDED=2,080 S.F.
MINIMUM BERM ELEV.=2421.46
INLET RIMS AT EL.2420.96

NOTE:
CATCH BASIN TYPE "1" HAS 20"
KNOCKOUTS ON ALL SIDES.
CONTRACTOR SHALL KNOCK ALL
OF THEM AND INSTALL 18"
STORM DRAIN PIPE TO THE
WEST AND EAST. NORTH AND
SOUTH ADD 4" OF 18" PVC
STORM DRAIN PIPE NORTH AND
SOUTH.

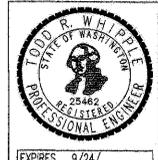


I HAVE REVIEWED THE CONSTRUCTION AND TO MY
KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE
WITH THE APPROVED CERTIFIED PLANS AND STANDARD
SPECIFICATIONS EXCEPT AS NOTED.

SWALE "C"
SCALE: 1" = 20'

2

SPokane County Public Works
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #:
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECTS LANE MILES: PUBLIC:
PROJECTS 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



COUNTY DATUM
ELEVATIONS SHOWN ARE BASED ON NORTH
AMERICAN VERTICAL DATUM OF 1988
NAVD-88, ORIGINATING FROM U.S.G.S.
MONUMENT W354 NEAR THE INTERSECTION
OF GEIGER BLVD AND HAYFORD RD.
ELEV=2412.34'

DEVELOPER'S APPROVAL _____ DATE _____

NO.	DATE	BY	REVISIONS
	12/5/07		RECORD DRAWING
	12/12/06		BOND REDUCTION REQUEST by ALLWEST TESTING AND ENGINEERING
	08/21	RLM	SUBMITTAL TO SPOKANE COUNTY ENGINEERS
	10/24	RLM	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL:
AS SHOWN
VERTICAL:
AS SHOWN
PROJ #: 2004-31
DATE: 08/21/06
DRAWN: RLM
APPROVED: TRW



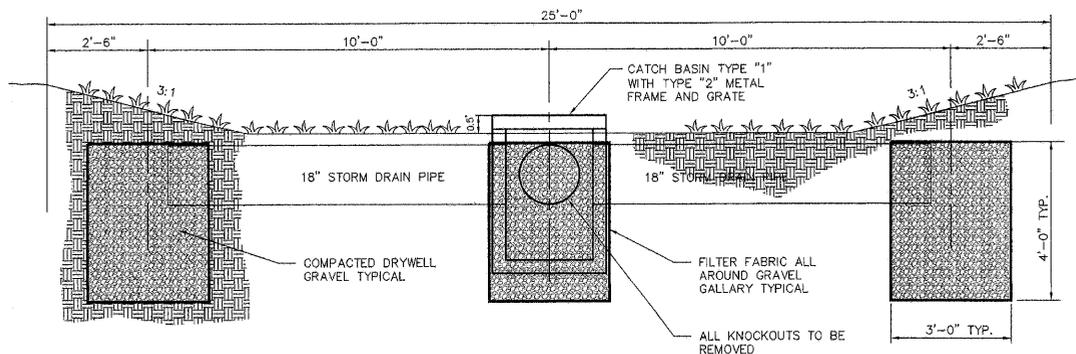
STREET AND DRAINAGE PLANS
FOXTAIL ESTATES
SWALE DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
10 OF 12
JOB NUMBER
2004-31

P-1946 Eng As Built

RECORD DRAWING

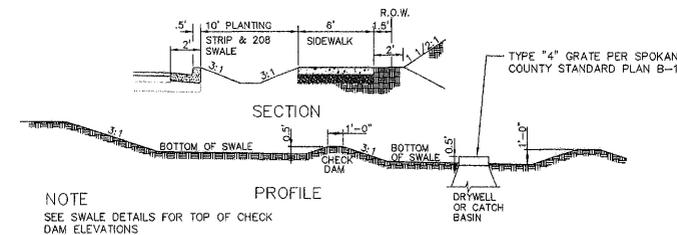
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG



SECTION

SCALE: 1" = 20'

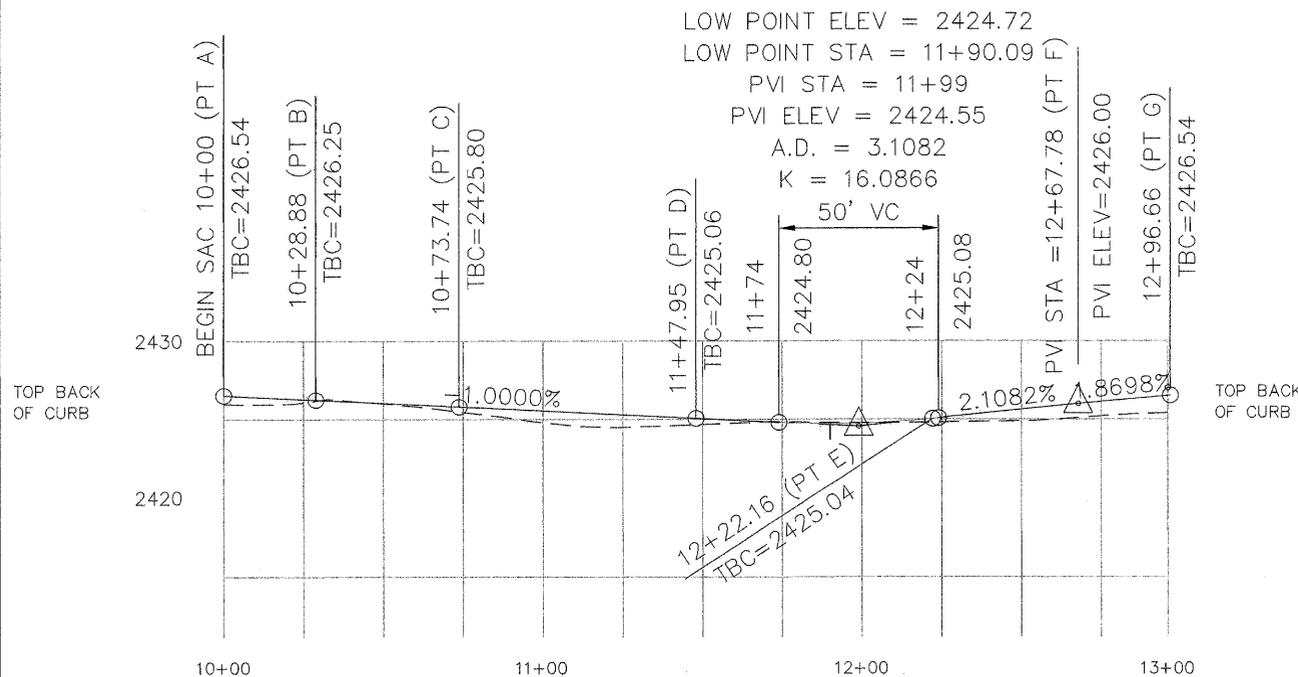
A



CHECK DAM DETAIL

NOTE: SEE SWALE DETAILS FOR TOP OF CHECK DAM ELEVATIONS

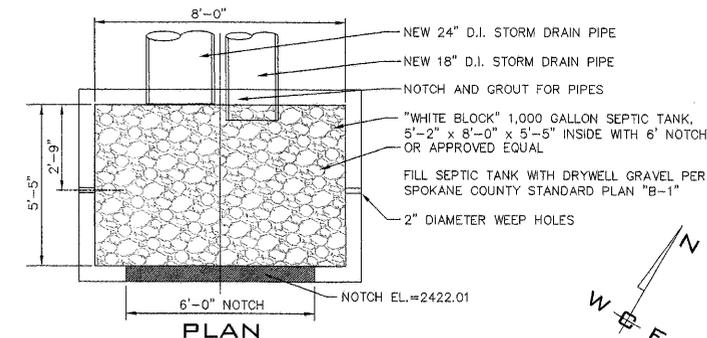
1



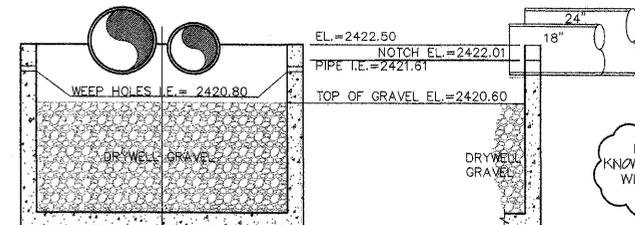
PROFILE - CUL-DE-SAC

SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'

2



PLAN



ELEVATION

SECTION

OUTLET STRUCTURE

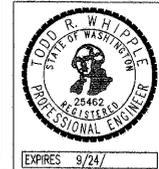
SCALE: 3/8" = 1'-0"

3



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 (CWA) 472-2000
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



COUNTY DATUM

ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD-88, ORIGINATING FROM U.S.G.S. MONUMENT W554 NEAR THE INTERSECTION OF GEIGER BLVD AND HAYFORD RD. ELEV=2412.34'

DEVELOPER'S APPROVAL _____ DATE _____

12/5/07	RECORD DRAWING		
12/12/06	BOND REDUCTION REQUEST		
	by ALLWEST TESTING AND ENGINEERING		
08/21	RLM SUBMITTAL TO SPOKANE COUNTY ENGINEERS		
10/24	RLM ORIGINAL PLAN PREPARATION		
NO.	DATE	BY	REVISIONS

SCALE:
HORIZONTAL:
AS SHOWN
VERTICAL:
AS SHOWN

PROJ #: 2004-31
DATE: 08/21/06
DRAWN: RLM
APPROVED: TRW

STREET AND DRAINAGE PLANS
FOXTAIL ESTATES
SWALE DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
10A OF 12
JOB NUMBER
2004-31

P 1946 Eng As Built

L:\2006-2361\FoxTail Estates\dwg\submittal STREET 10a.dwg, Layout1, 12/3/2007 8:21:13 AM, 1:1

EROSION CONTROL PLAN RECORD DRAWING

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

FOXTAIL ESTATES SPOKANE COUNTY, WASHINGTON NE 1/4 SECTION 7, T. 24 N., R. 42 E., W.M.

EROSION & SEDIMENT CONTROL GENERAL NOTES AND INFORMATION

GENERAL NOTES

- 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.
- 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.
- 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.
- 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 MINIMAL DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- 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.
- ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- 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.
- 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.
- PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- 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.
- 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.
- 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 AREA IS STABILIZED WITH HARD SURFACE OR LANDSCAPING.
- 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.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE SPOKANE COUNTY ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
- 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.
- 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.
- NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL BY THE SPOKANE COUNTY ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.

ABBREVIATIONS

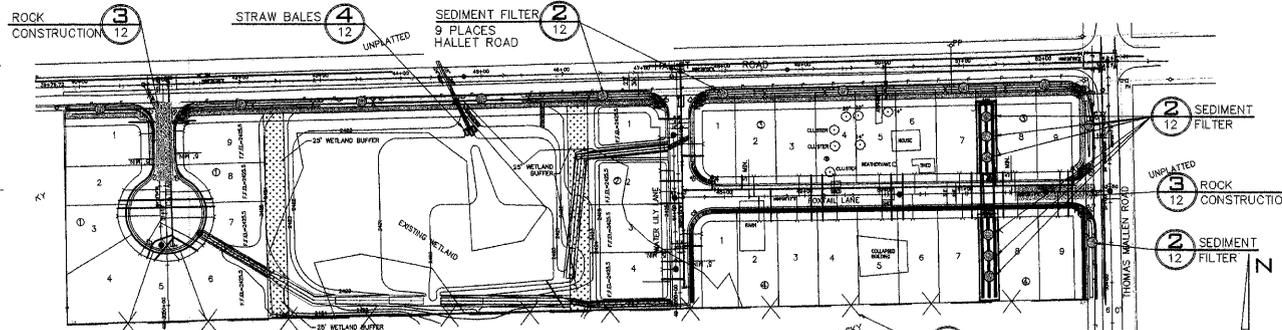
SS.....	SANITARY SEWER	PI.....	POINT OF INTERSECTION	STA.....	STATION
WM.....	WATER MAIN	PC.....	POINT OF CURVE	G.....	GRADE
MH.....	MANHOLE	PT.....	POINT OF TANGENCY	GB.....	GRADE BREAK
EXIST.....	EXISTING	PRC.....	POINT OF REVERSE CURVE	I.E.....	INVERT ELEVATION
CO.....	SEWER CLEANOUT	CT.....	COURT	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

COUNTY DATUM

ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD-88, ORIGINATING FROM U.S.G.S. MONUMENT W34 NEAR THE INTERSECTION OF GEIGER BLVD AND HAYFORD RD. ELEV=2412.34'

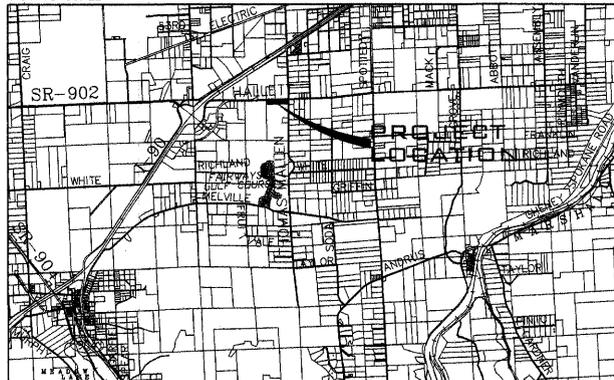
DEVELOPER'S APPROVAL

DATE



SITE PLAN

NOT TO SCALE



VICINITY MAP

LEGEND

- SEDIMENT FILTER
- STORM DRAINAGE STRUCTURE - NO CONCRETE TRUCK WASHOUT. SEE GENERAL NOTES 4 AND 7.
- SILT FENCE. SEE DETAIL 1 AND GENERAL NOTE 5.
- ROCK CONSTRUCTION ENTRY. SEE DETAIL 3 AND GENERAL NOTE 6.

LEGAL DESCRIPTION

THE EAST 1300 FEET OF THE NORTH 300 FEET OF THE NORTHEAST QUARTER OF SECTION 7, TOWNSHIP 24 NORTH, RANGE 42 EAST, WILLAMETTE MERIDIAN, SPOKANE COUNTY, WASHINGTON; EXCEPT THE NORTH 30 FEET THEREOF FOR PUBLIC ROAD RIGHT OF WAY.

ROADWAYS

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

FIRE DEPARTMENT

FIRE DISTRICT NO. 3
10 SOUTH PRESLEY DRIVE
CHENEY, WASHINGTON 99004
PHONE: 509-624-7103
FAX: 509-235-6183
CONTACT: BRUCE HOLLOWAY, CHIEF

NATURAL GAS

AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-495-4774
FAX: 509-495-8713
CONTACT: LOIS MCCAIN

SURVEYOR

LANDTEK, LLC
624 NORTH MADELIA STREET
SPOKANE, WASHINGTON 99202
PHONE: 509-926-2821
FAX: 509-926-2736
CONTACT: BRUCE R. LARSEN, P.L.S.

INSPECTION

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

WATER PURVEYOR

SPOKANE WATER&HYDRO SERVICES
E. 914 FOOTHILLS BLVD.
SPOKANE, WASHINGTON 99207
PHONE: 509-625-7800
FAX: 509-625-7816
CONTACT: LISA MALSTROM, P.E.

TELEPHONE

QWEST
904 NORTH COLUMBUS
SPOKANE, WASHINGTON, 99202
PHONE: 509-455-2580
FAX: 509-455-2104
CONTACT: DAN CRESS

CABLE

COMCAST BROADBAND
1717 EAST BUCKEYE
SPOKANE, WASHINGTON, 99207
PHONE: 509-484-4931(53240)
FAX: 509-483-9261
CONTACT: BRYAN RICHARDSON

ENGINEER

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

SEWER

SPOKANE SEWER DEPARTMENT
909 EAST SPRAGUE AVENUE
SPOKANE, WASHINGTON 99202
PHONE: 509-625-7900
FAX: 509-625-7940
CONTACT: MIKE YAKE, P.E.

POWER

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

SOLID WASTE

WASTE MANAGEMENT
PHONE: 509-466-3400



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.

- 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.
- THE EROSION/SEDIMENT CONTROL MEASURES DO NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE E.S.C. PLAN.
- 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 INTO NEW/EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.
- 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.
- THE SILT FENCES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO OTHER SITE WORK, AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE.
- 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.
- PROPERTY OWNER: PAKIBA, 601 SOUTH DIVISION STREET, SPOKANE, WA
CONTACT PERSON ON SITE: BOB GRAHAM OF ALLWEST, 509-534-4411
- PROJECT LOCATION: IN SPOKANE COUNTY, SOUTH AND WEST OF THE INTERSECTION OF HALLET ROAD AND THOMAS MALLEN ROAD IN THE NE 1/4 SECTION 7, TOWNSHIP 24 NORTH, RANGE 42 EAST, W.M.
- PROJECT DESCRIPTION: FOXTAIL ESTATES IS A RESIDENTIAL SUBDIVISION CONSISTING OF 32 LOTS AND WILL REQUIRE CONSTRUCTION OF ROADS, AND STORM DRAINAGE. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 2,800 LINEAR FEET OF DRAINAGE AND ELECTRICAL FACILITIES. 2,800 LINEAR FEET OF NEW ASPHALT ROADWAY AND ASSOCIATED STORM DRAINAGE.
- DESCRIPTION OF E.S.C. MEASURES: USE OF SILT FENCES AND ROCK CONSTRUCTION ENTRIES. ALL E.S.C. MEASURES MENTIONED ABOVE ARE TEMPORARY AND WILL BE REMOVED AFTER YARDS ARE LANDSCAPED.
- EXISTING VEGETATION: LONG GRASS AND TREES
- PLAN PREPARATION DATE: MARCH, 2006
- SOILS: ON SITE SOILS, CHENEY/UHLIG COMPLEX SILT LOAM (CnB); HESSELTINE STONY SILT LOAM (HnB)
- STABILIZATION OF DENUEED 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.
- CONTROL OF POLLUTANTS:
ANY SPILLS WILL BE HANDLED ACCORDING TO D.O.E. AND D.O.H. GUIDELINES.
- 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

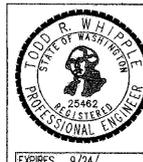
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF THE TEMPORARY E.S.C. MEASURES.
- SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RUNOFF-PRODUCING RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF FILTER FABRIC SHALL BE ACCOMPLISHED PROMPTLY.
- 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.
- 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.
- ALL TEMPORARY AND PERMANENT E.S.C. PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
- 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.
- 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.
- 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.

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



NO.	DATE	BY	REVISIONS
12/5/07			RECORD DRAWING
12/12/06			BOND REDUCTION REQUEST
			by ALLWEST TESTING AND ENGINEERING
08/21	RLM		SUBMITTAL TO SPOKANE COUNTY ENGINEERS
10/17	RLM		ORIGINAL PLAN PREPARATION

SCALE:	PROJ #:	2004-31
HORIZONTAL:	DATE:	08/21/06
N.A.	DRAWN:	RLM
VERTICAL:	APPROVED:	TRW
N.A.		

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
2526 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

EROSION CONTROL PLAN
FOXTAIL ESTATES
SPOKANE COUNTY, WASHINGTON

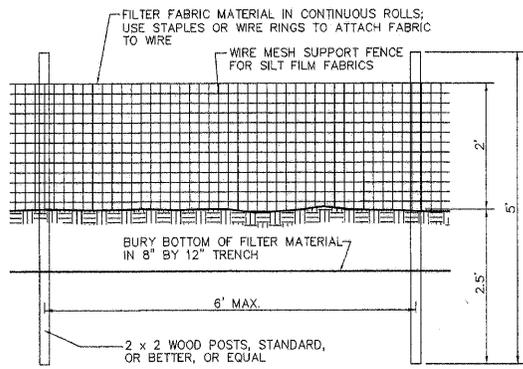
SHEET
11 OF 12
JOB NUMBER
2004-31

P-1948 Eng'g to Build

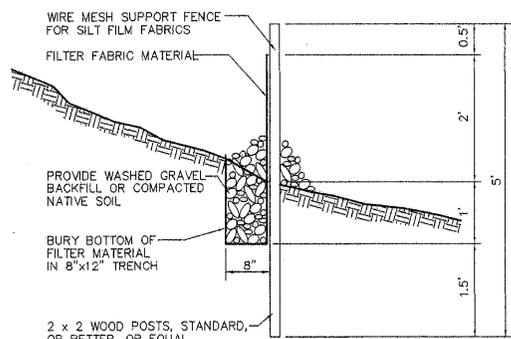
FOXTAIL ESTATES SPOKANE COUNTY, WASHINGTON NE 1/4 SECTION 7, T. 24 N., R. 42 E., W.M.

RECORD DRAWING

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



ELEVATION

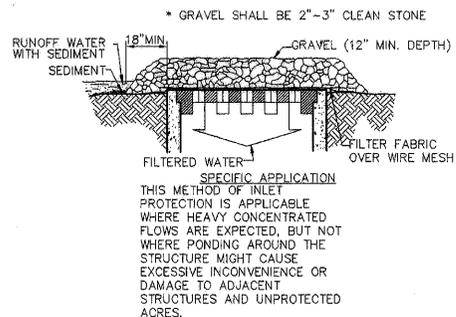


SECTION

SILT FENCE DETAIL

NOT TO SCALE

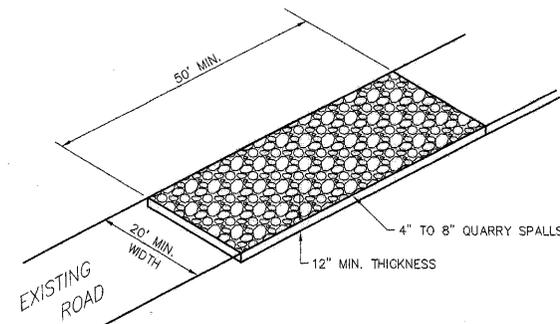
1



**GRAVEL AND WIRE MESH
INLET SEDIMENT FILTER**

NOT TO SCALE

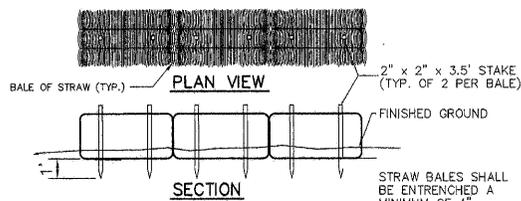
2



ROCK CONSTRUCTION ENTRY

NOT TO SCALE

3

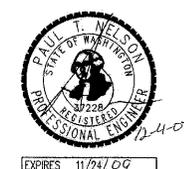
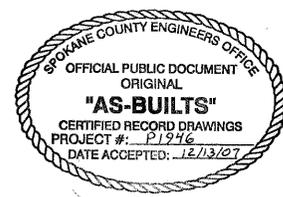


NOTE: BALES TO BE INSTALLED AS SHOWN

STRAW BALE DETAIL

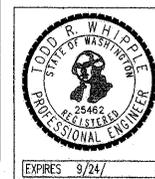
NOT TO SCALE

4



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) 477-3900	
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION	



COUNTY DATUM

ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD-88, ORIGINATING FROM U.S.G.S. MONUMENT W354 NEAR THE INTERSECTION OF GEIGER BLVD AND HAYFORD RD. ELEV=2412.34'

DEVELOPER'S APPROVAL _____ DATE _____

12/5/07	RECORD DRAWING								
12/12/06	BOND REDUCTION REQUEST								
	by ALLWEST TESTING AND ENGINEERING								
08/21	RLM	SUBMITTAL TO SPOKANE COUNTY ENGINEERS							
10/17	RLM	ORIGINAL PLAN PREPARATION							
NO.	DATE	BY	REVISIONS						

SCALE:
HORIZONTAL: N.A.
VERTICAL: N.A.

PROJ #: 2004-31
DATE: 08/21/06
DRAWN: RLM
APPROVED: TRW



**EROSION CONTROL DETAILS
FOXTAIL ESTATES
SPOKANE COUNTY, WASHINGTON**

**SHEET
12 OF 12**
JOB NUMBER
2004-31

P-1946 *Engle Built*

L:\2006-2007\Foxtail Estates\dwg\asbuilt\STREET_12.dwg, Layout1, 12/23/2007 8:21:28 AM, 1:1