

STREET & DRAINAGE PLANS

LATAH HILLS SHORT PLAT

SPOKANE COUNTY, WASHINGTON

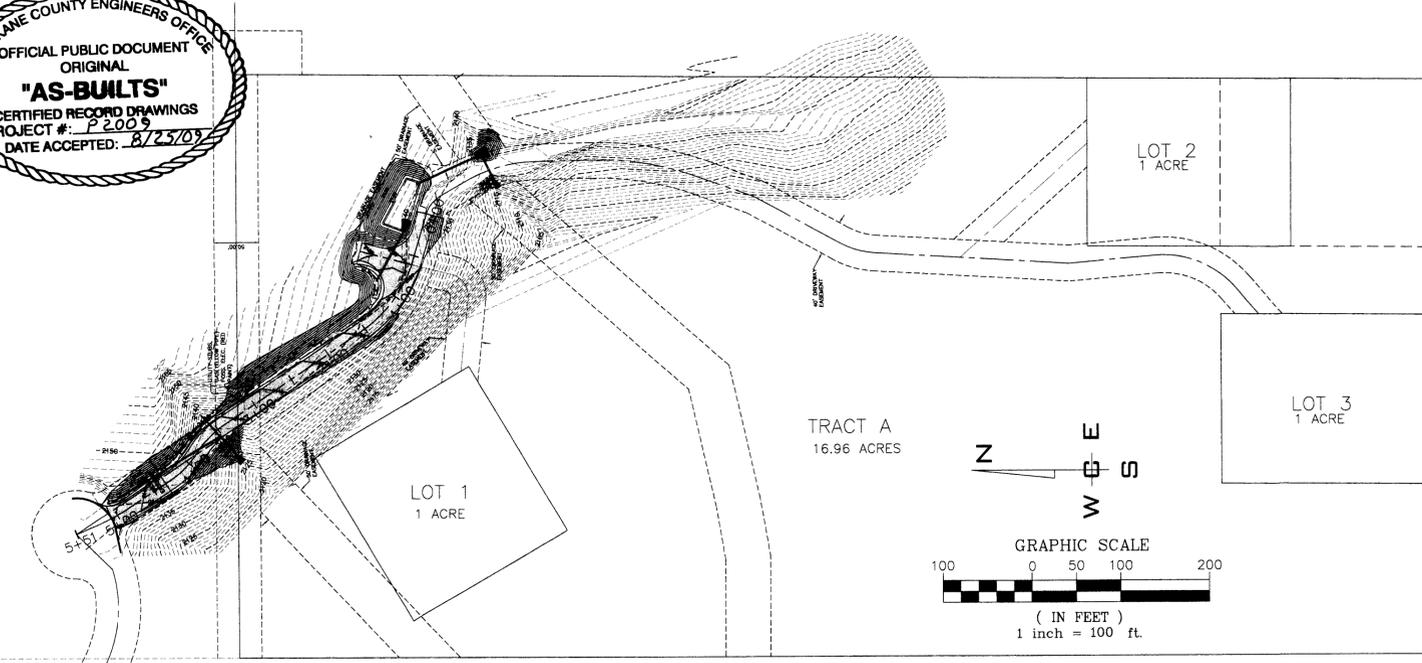
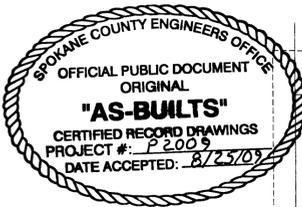
SW 1/4 SECTION 9, T. 24 N., R. 43 E., W.M.

RECORD DRAWING

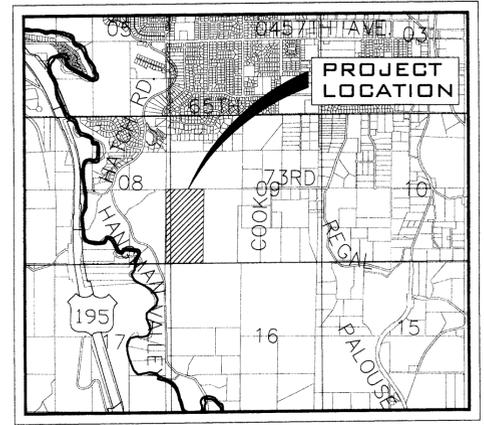
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

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 MINIMUM 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 PRE-CONSTRUCTION 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 AREAS ARE 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 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.
- ONSITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND E.S.C. PLAN. ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM A PREAPPROVED SOURCE/DESTINATION AND COORDINATED WITH THE SPOKANE COUNTY DEPARTMENT OF BUILDING AND PLANNING AT 509-477-3675. GRADING ON THIS SITE OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO, GRADING PERMITS, S.E.P.A. REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAINS, DESIGNATED DRAINAGEWAYS, ETC.



SITE PLAN
SCALE: 1" = 100'



VICINITY MAP
NOT TO SCALE

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

INDEX TO PLAN SHEETS

- SHEET NO. 1 COVER SHEET
- SHEET NO. 2 ROADWAY SECTIONS & DETAILS
- SHEET NO. 3 PRIVATE ROAD PLAN & PROFILE
- SHEET NO. 4 POND DETAILS
- SHEET NO. 5 EROSION CONTROL PLAN
- SHEET NO. 6 EROSION CONTROL DETAILS

STREETS SPOKANE COUNTY ENGINEERING 1028 WEST BROADWAY SPOKANE, WASHINGTON 99260 PHONE: 509-477-3600 FAX: 509-477-7478 CONTACT: MATT ZARECOR, P.E.	FIRE DEPARTMENT FIRE DISTRICT NO. 8 E. 1200 PALOUSE HIGHWAY VALLEYFORD, WA 99036 PHONE: 509-926-6699 FAX: 509-924-8358 CONTACT: LONNIE RASH, CHIEF	WATER ON SITE WELLS	ON SITE SEWER SEPTIC TANK & DRAINFIELDS
SOLID WASTE WASTE MANAGEMENT SPOKANE, WASHINGTON PHONE: 509-466-3400	HEALTH SPOKANE REGIONAL HEALTH 1101 WEST COLLEGE AVENUE SPOKANE, WASHINGTON 99260 PHONE: 509-324-1560 FAX: 509-324-3603 CONTACT: DON COPLEY	POWER INLAND POWER AND LIGHT 320 EAST 2ND AVENUE SPOKANE, WASHINGTON 99202 PHONE: 509-747-7151 FAX: 509-626-4229 CONTACT: DAN VILLALOBOS	TELEPHONE QWEST 904 NORTH COLUMBUS SPOKANE, WASHINGTON, 99202 PHONE: 509-455-2580 FAX: 509-455-2104 CONTACT: DAVE CLARK
CABLE COMCAST BROADBAND 1717 EAST BUCKEYE SPOKANE, WASHINGTON, 99207 PHONE: 509-755-4717 FAX: 509-483-9261 CONTACT: BRYAN RICHARDSON	GAS AVISTA UTILITIES 1411 EAST MISSION AVENUE SPOKANE, WASHINGTON 99220 PHONE: 509-495-8536 FAX: 509-495-8734 CONTACT: SHERRY MILLER	OWNER/DEVELOPER LATAH PROPERTIES, L.L.C. PO BOX 30745 SPOKANE, WASHINGTON 99223 PHONE: 509-443-1508 CONTACT: MICHAEL CHADDUCK	LEGAL DESCRIPTION TRACT "4" OF SHORT PLAT No. 1333-03 ACCORDING TO THE PLAT THEREOF RECORDED IN BOOK 21 OF SHORT PLATS, PAGES 95 & 96, RECORDS OF SPOKANE COUNTY, WASHINGTON
INSPECTION ALLWEST 12928 E. INDIANA AVENUE SPOKANE VALLEY, WA 99216 PHONE: 509-534-4411 FAX: 509-534-9326 CONTACT: PAUL T. NELSON, P.E.	SURVEYOR PAT MOORE & ASSOCIATES 7224 W. JOHANNSEN AVENUE NINE MILE FALLS, WA 99026 PHONE: 509-328-1224 FAX: 509-328-3191 CONTACT: PAT MOORE, P.L.S.	ENGINEERING WHIPPLE CONSULTING ENGINEERS 2528 N. SULLIVAN ROAD SPOKANE VALLEY, WA 99216 PHONE: 509-893-2617 FAX: 509-926-0227 CONTACT: JOHN F. SAYWERS, P.E.	

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

ABBREVIATIONS

ACT. LEN. ACTUAL LENGTH	GB GRADE BREAK	PRC POINT OF REVERSE CURVE
BCR BEGINNING OF CURVE RADIUS	FT./FT. FEET PER FOOT	PT POINT OF TANGENCY
BDRY BOUNDARY	HYD. HYDRANT	RI RIM ELEVATION
CO CURB	I.E. INVERT ELEVATION	RD ROAD
CSTC CRUSHED SURFACE	LN. LANE	RT RIGHT
CT COURT	LT. LEFT	SI STREET INTERSECTION
DIA DIAMETER	MH MANHOLE	SS SANITARY SEWER
ECR END OF CURVE RADIUS	MCR MIDDLE OF CURVE RADIUS	STA. STATION
EXIST. EXISTING	PC POINT OF CURVATURE	STA. LEN. STATION LENGTH
G GRADE	PET. PETROLEUM	TC TOP OF GRATE
	PI POINT OF INTERSECTION	TC TOP OF CURB

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: PUBLIC:
PROJECTS LANE MILES: PRIVATE:
PROJECT LANE MILES: 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 11/24/09



NAVD-88
BASED ON WSDOT GPS MON "GP32195-181"
LOCATED ON THE NORTH SIDEWALK OF THE
HANGMAN CREEK BRIDGE. ELEVATION =
1857.897 FEET (566.287 METERS)

DEVELOPER'S APPROVAL _____ DATE _____

NO.	DATE	BY	REVISIONS

SCALE:	PROJ #: 2008-556
HORIZONTAL:	DATE: 02/02/09
AS SHOWN	DRAWN: MAT
VERTICAL:	APPROVED: JFS
N/A	

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

STREET & DRAINAGE PLANS
COVER SHEET
LATAH HILLS SHORT PLAT
SPOKANE COUNTY, WASHINGTON

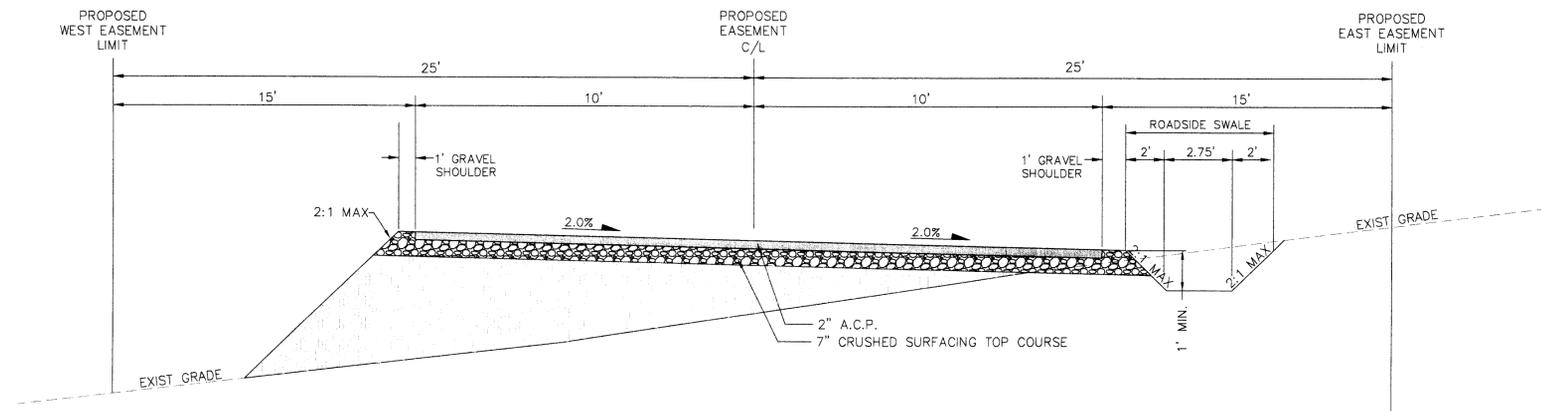
SHEET
1 OF 6
JOB NUMBER
2008-556

P-2009 Eng As Built

SW 1/4 SECTION 9, T. 24 N., R. 43 E., W.M.

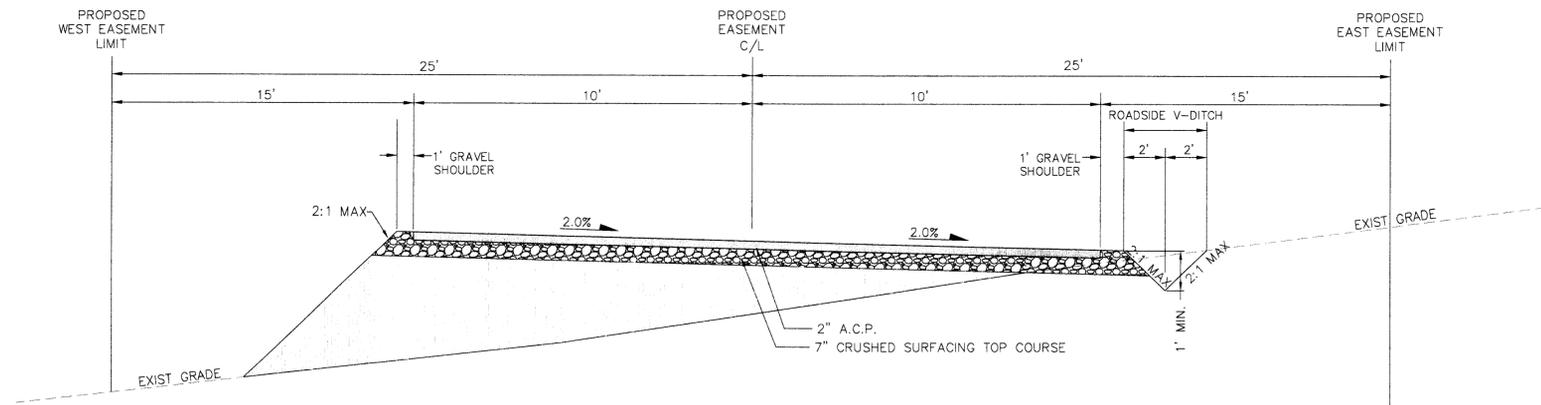
RECORD DRAWING

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



TYPICAL PRIVATE ROAD SECTION - STA.0+00.00 TO STA. 3+00.00 AND STA.3+75.00 TO STA.5+07.00
NOT TO SCALE

1
-



TYPICAL PRIVATE ROAD SECTION - STA.3+00.00 TO STA. 3+75.00
NOT TO SCALE

2
-

HYDROSEEDING TO BE COMPLETED OCTOBER 2009

NOTE:

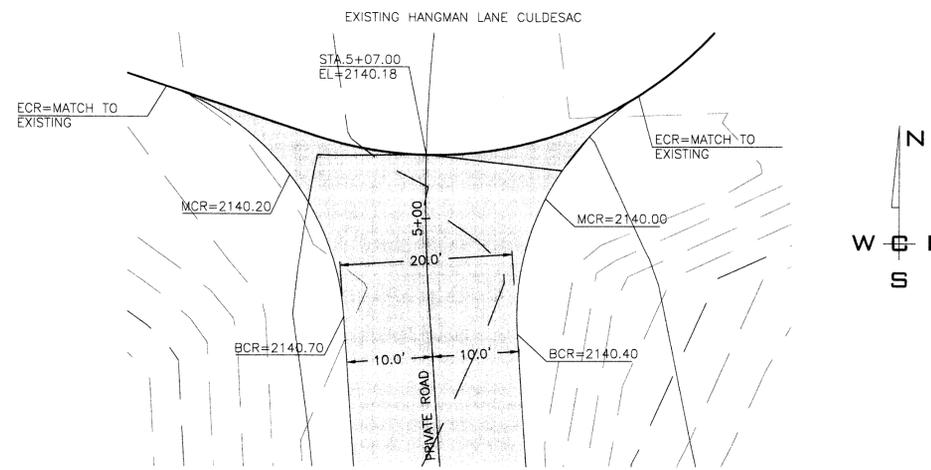
GRASS SEED: PROVIDE FRESH, CLEAN, NEW-CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

- 15 PERCENT ELKA PERRENIAL RYE
- 25 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

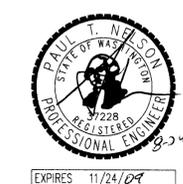
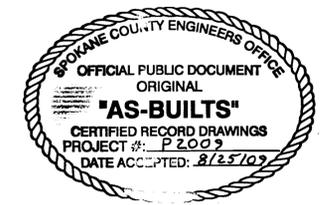
ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE W.S.D.O.T. STANDARD SPECIFICATIONS, SECTION 8-01.



PRIVATE ROAD CONNECTION DETAIL
1"=10'

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 (199) 477-9600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



NAVD-88

BASED ON WSDOT GPS MON "GP32195-181" LOCATED ON THE NORTH SIDEWALK OF THE HANGMAN CREEK BRIDGE. ELEVATION = 1857.897 FEET (566.287 METERS)

NO.	DATE	BY	REVISIONS
8/28/09			RECORD DRAWING
02/02	MAT		FINAL SUBMITTAL TO SPOKANE COUNTY FOR APPROVAL

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: N/A

PROJ #: 2008-556
DATE: 02/02/09
DRAWN: MAT
APPROVED: JFS



STREET & DRAINAGE PLANS
ROADWAY SECTIONS & DETAILS
LATAH HILLS SHORT PLAT
SPOKANE COUNTY, WASHINGTON

SHEET
2 OF 6
JOB NUMBER
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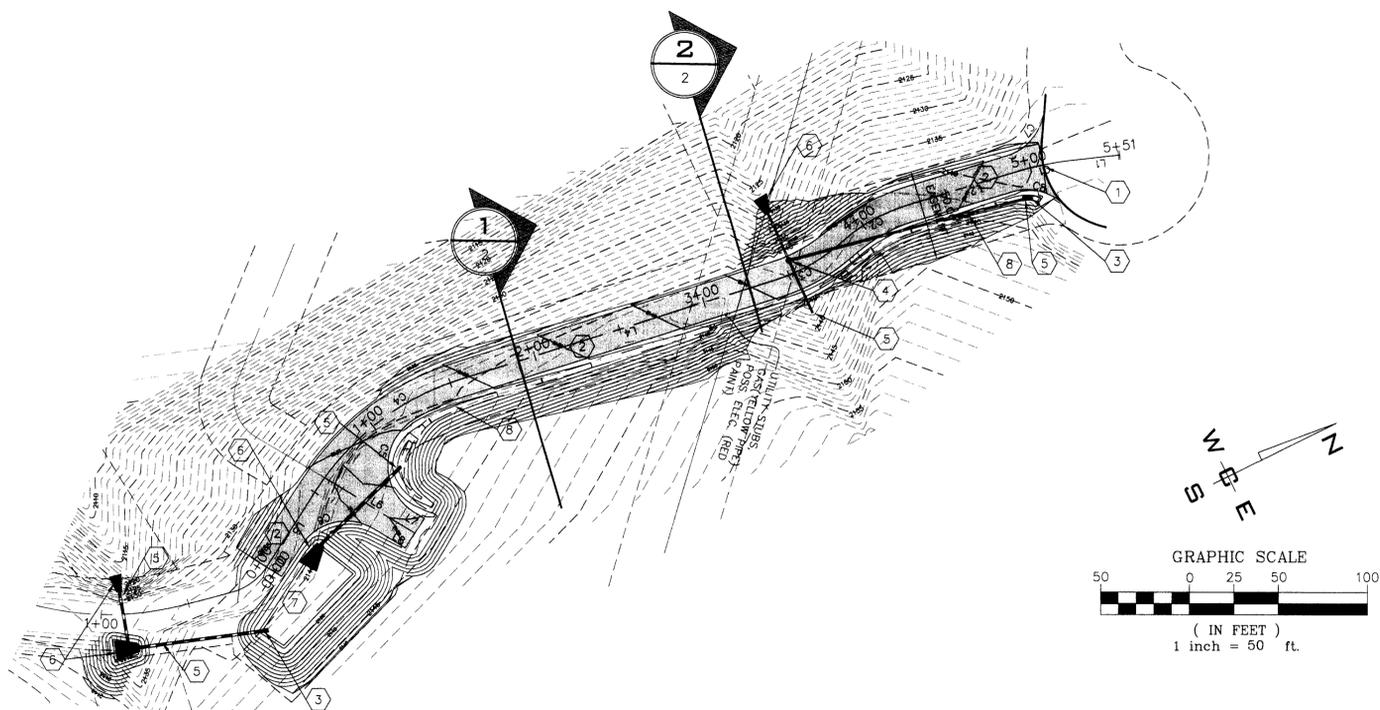
P-2009 Erg As Built



RECORD DRAWING

CONSTRUCTION NOTES

- 1 CONNECT AND TIE INTO EXISTING HANGMAN LANE CUL-DE-SAC. SEE DETAIL 3, SHEET 2 FOR ELEVATION INFORMATION.
- 2 PROVIDE AND INSTALL 2" A.C.P. ON TOP OF 7" OF C.S.T.C. PER SPOKANE COUNTY STANDARDS. SEE TYPICAL ROAD SECTION ON SHEET 2.
- 3 PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 2 GRATE PER SPOKANE COUNTY STANDARDS. SEE SHEET 4 FOR ELEVATION INFORMATION.
- 4 PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH METAL FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARDS. SEE SHEET 4 FOR ELEVATION INFORMATION.
- 5 PROVIDE AND INSTALL C.M.P. STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS. SEE SHEET 4 FOR SIZE, STATION, ELEVATION AND SLOPE INFORMATION.
- 6 PROVIDE RIPRAP PAD PER DETAIL 2, SHEET 4.
- 7 PROVIDE AND INSTALL POND. SEE SHEET 4 FOR DETAILS.
- 8 PROVIDE AND INSTALL ROADSIDE SWALE. SEE SHEET 4 FOR DETAILS.

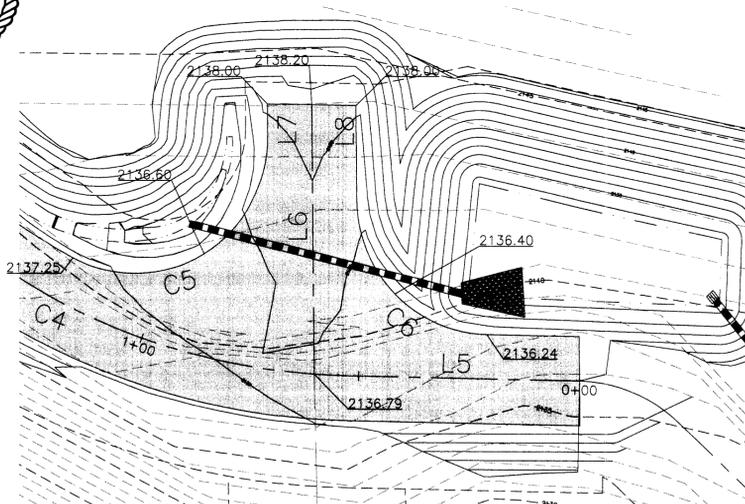
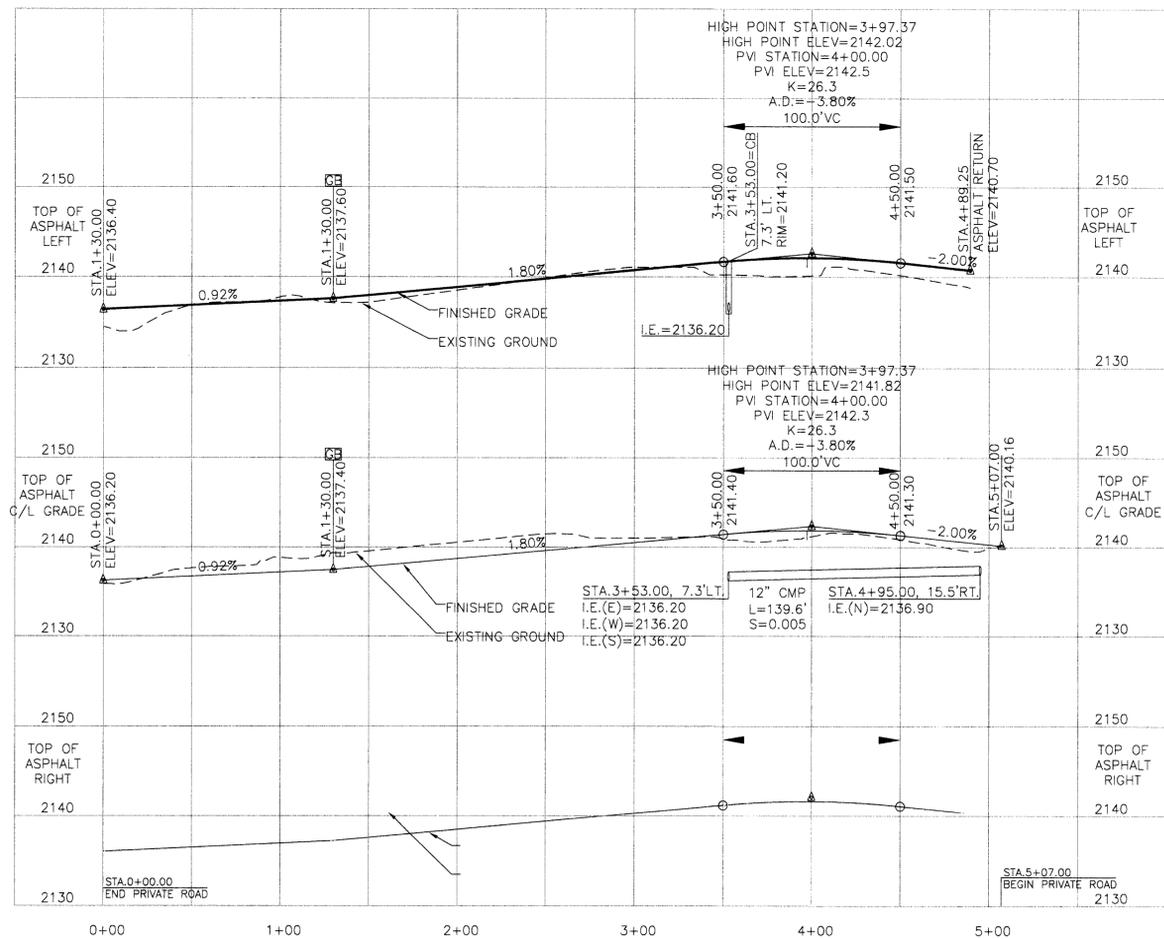


PRIVATE ROAD

SCALE: 1"=50'

LINE	LENGTH	BEARING
L1	26.08	S 23°12'20" E
L2	62.07	S 33°48'46" E
L3	8.21	S 56°4'52" E
L4	186.55	S 34°9'47" E
L5	52.14	S 73°50'49" E
L6	59.82	N 14°25'0" W
L7	7.34	S 14°25'0" W
L8	20.92	S 14°25'0" W

CURVE	RADIUS	LENGTH		CHORD	DELTA
		TANGENT	CHORD		
C1	187.27	34.67	17.38	34.62	N 79°23'34" E
C2	100.00	38.87	19.68	38.62	N 67°43'54" E
C3	100.00	38.25	19.36	38.02	N 68°4'54" E
C4	150.00	103.89	54.13	101.83	N 50°18'57" E
C5	30.00	62.03	50.39	51.55	N 28°27'46" W
C6	30.00	46.21	29.10	41.78	N 1°44'11" E
C7	30.00	35.70	20.30	33.63	N 21°49'21" E
C8	30.00	32.45	18.01	30.89	N 28°1'59" E



HAMMERHEAD DETAIL

SCALE: 1"=20'



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PROJECT #:
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PROJECTS LANE MILES: PUBLIC: _____
PROJECT LANE MILES: PRIVATE: _____

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NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



NAVD-88

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	02/02	MAT	FINAL SUBMITTAL TO SPOKANE COUNTY FOR APPROVAL

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HORIZONTAL:
AS SHOWN
VERTICAL:
1"=10'

PROJ #: 2008-556
DATE: 02/02/09
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IWCE
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CIVIL AND TRANSPORTATION ENGINEERING
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

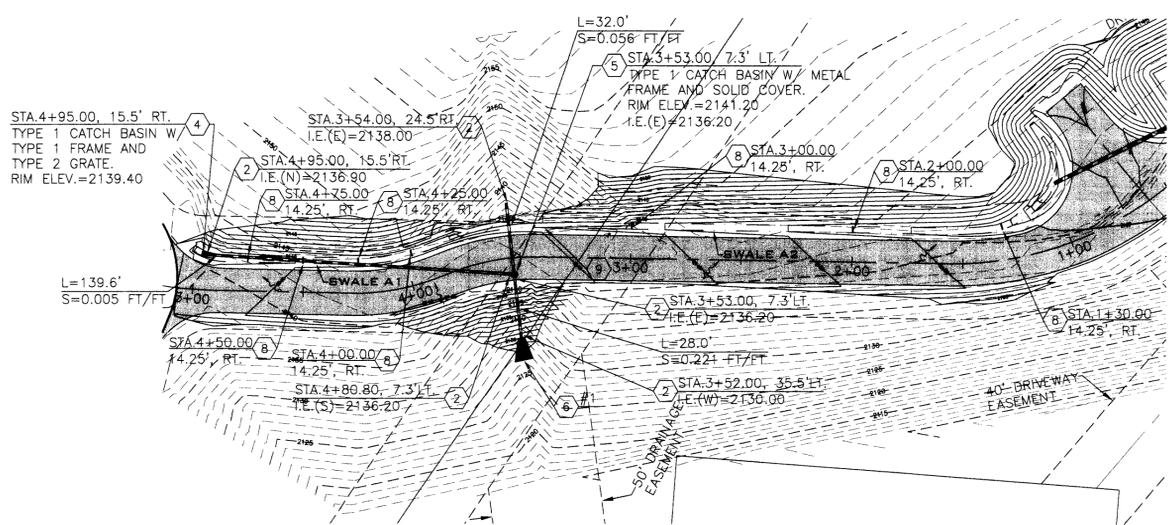
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3 OF 6
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811
CALL TWO BUSINESS DAYS
BEFORE YOU DIG



SWALE A1
BOTTOM AREA=289 S.F. **355 S.F.**
POND BOTTOM ELEVATION=VARIES
TOP OF BERM ELEVATION=VARIES
STORAGE VOLUME PROVIDED=148 C.F. **230 C.F.**

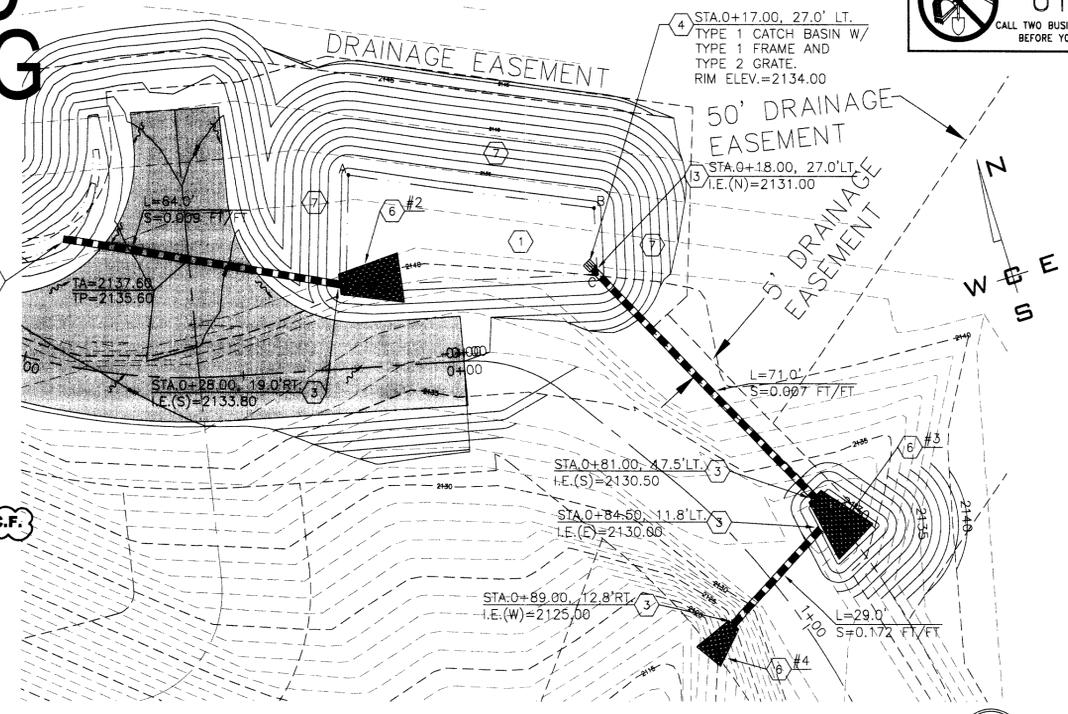
SWALE A2
BOTTOM AREA=238 S.F. **255 S.F.**
POND BOTTOM ELEVATION=VARIES
TOP OF BERM ELEVATION=VARIES
STORAGE VOLUME PROVIDED=175 C.F. **180 C.F.**

POND 1
BOTTOM AREA=1,098 S.F. **1277 S.F.**
POND BOTTOM ELEVATION=2135.00
TOP OF BERM ELEVATION=2135.00
STORAGE VOLUME PROVIDED=2,094 C.F. **2464 C.F.**

POND LOCATION

POINT	STATION*	OFFSET*	DISTANCE
A	0+23.60	43.0', RT.	56.0'
B	-0+15.00	39.0', RT.	14.7'
C	-0+18.30	26.0', RT.	50.0'
D	0+19.00	18.2', RT.	6.5'
E	0+24.60	19.0', RT.	A-E= 24.0'

*STATIONS AND OFFSETS TAKEN FROM PRIVATE ROAD AND PRIVATE DRIVEWAY STATIONING



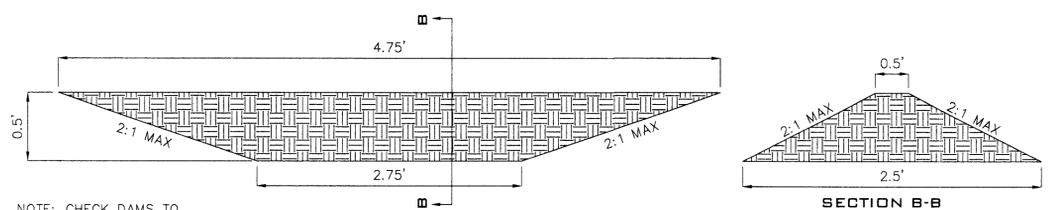
POND 1 DETAIL
1"=20'

SWALE A DETAIL
1"=40'

CONSTRUCTION NOTES

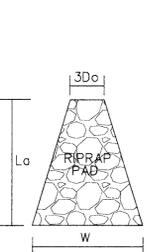
- 1 PROVIDE AND INSTALL DETENTION FACILITY. SEE DETAIL 3 BELOW FOR DEPTH AND SLOPE INFORMATION.
- 2 PROVIDE AND INSTALL 12" C.M.P. STORM DRAINAGE PIPE. SEE DETAIL A FOR OFFSET, ELEVATION AND SLOPE.
- 3 PROVIDE AND INSTALL 18" C.M.P. STORM DRAINAGE PIPE. SEE DETAIL B FOR OFFSET, ELEVATION AND SLOPE.
- 4 PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 2 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10 AND B-13. SEE POND 1 DETAIL FOR ELEVATION INFORMATION.
- 5 PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH METAL FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLAN B-4 AND B-15. SEE SWALE A DETAIL FOR ELEVATION INFORMATION.
- 6 PROVIDE AND INSTALL RIPRAP SPLASH PAD. SEE RIPRAP PAD SIZES, DETAIL 2, THIS SHEET.
- 7 PROVIDE AND INSTALL DRYLAND HYDROSEEDING FOR POND PER SPOKANE REGIONAL STORMWATER MANUAL "SECTION 7.8.B - PLANTING REQUIREMENTS".
- 8 PROVIDE AND INSTALL CHECK DAM PER DETAIL 1, THIS SHEET.
- 9 PROVIDE AND INSTALL V-DITCH. SEE DETAIL 2, SHEET 2 FOR STATIONING AND DIMENSIONS.

**NOT COMPLETED AT TIME OF CERTIFICATION
SEEDING TO BE COMPLETED OCTOBER 2009**



NOTE: CHECK DAMS TO BE CONSTRUCTED FROM NATIVE MATERIAL.

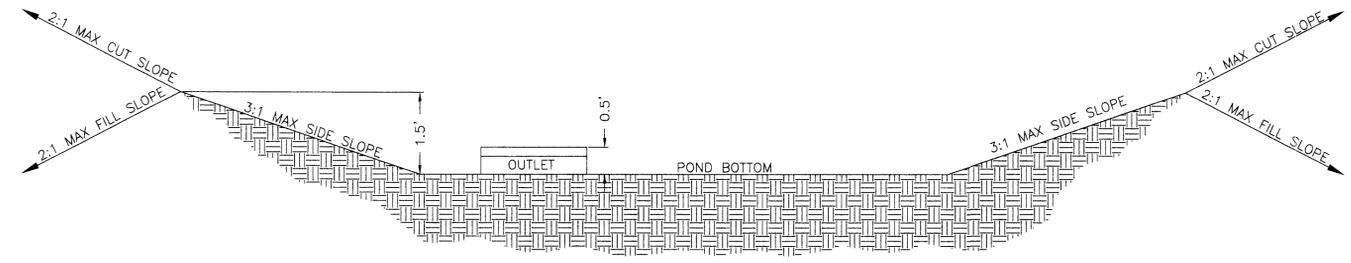
CHECK DAM DETAIL
NOT TO SCALE



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

PAD #	3Do	Lo	W	STONE SIZE	THICK.
1	3.0'	10.0'	8.0'	3" MIN.	1'
2	4.5'	14.0'	11.0'	3" MIN.	1'
3	4.5'	14.0'	11.0'	3" MIN.	1'
4	4.5'	21.0'	13.0'	5" MIN.	1'

TYPICAL RIPRAP PAD
NOT TO SCALE



TYPICAL POND SECTION
NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P 2009
DATE ACCEPTED: 8/25/09

PAUL T. NEWMAN
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
36228
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:
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.

JOHN FRANK SAYRENS
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
36212

NAVD-88
BASED ON WSDOT GPS MON "GP32195-181" LOCATED ON THE NORTH SIDEWALK OF THE HANGMAN CREEK BRIDGE. ELEVATION = 1857.897 FEET (566.287 METERS)

NO.	DATE	BY	REVISIONS
	8/28/09	MAT	RECORD DRAWING
	02/02	MAT	FINAL SUBMITTAL TO SPOKANE COUNTY FOR APPROVAL

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: N/A

PROJ #: 2008-556
DATE: 02/02/09
DRAWN: MAT
APPROVED: JFS

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

**STREET & DRAINAGE PLANS
POND DETAILS
LATAH HILLS SHORT PLAT
SPOKANE COUNTY, WASHINGTON**

**SHEET
4 OF 6**
JOB NUMBER
2008-556

P-2009 Eng Asbuilt

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 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 MINIMUM 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 AREAS ARE 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.
- ONSITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND E.S.C. PLAN. ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM A PREAPPROVED SOURCE/DESTINATION AND COORDINATED WITH THE **SPOKANE COUNTY** DEPARTMENT OF BUILDING AND PLANNING AT 509-477-3675. GRADING ON THIS SITE OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO, GRADING PERMITS, S.E.P.A. REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAINS, DESIGNATED DRAINAGEWAYS, ETC.

EROSION CONTROL PLAN

LATAH HILLS SHORT PLAT

SPOKANE COUNTY, WASHINGTON

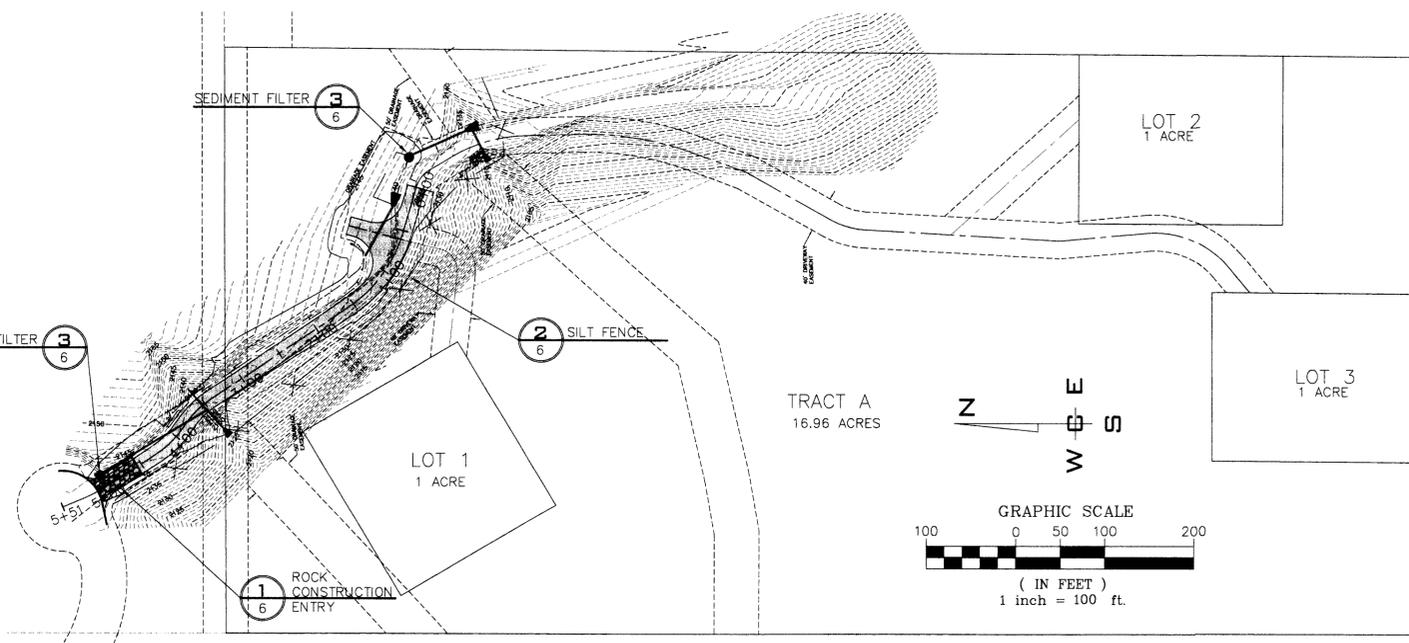
SW 1/4 SECTION 9, T. 24 N., R. 43 E., W.M.

RECORD DRAWING

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

EROSION & SEDIMENT CONTROL GENERAL NOTES AND INFORMATION

- AN EROSION/SEDIMENT CONTROL (E.S.C.) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE E.S.C. PLAN, AND CONSTRUCTION, MAINTENANCE AND UPGRADE 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.
- APPROVAL OF THE E.S.C. PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE E.S.C. PLAN.
- 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 OF 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 AND NOT LOCATED NEAR OR DRAINING INTO A STORM DRAINAGE AREA.
- PROPERTY OWNER: MICHAEL CHADDUCK
- PERMIT APPLICANT: WHIPPLE CONSULTING ENGINEERS
- CONTACT PERSON ON SITE: MICHAEL CHADDUCK
- PROJECT LOCATION: SPOKANE COUNTY, IN THE NE 1/4 SECTION 9, TOWNSHIP 24 NORTH, RANGE 43 EAST, W.M.
- PROJECT DESCRIPTION: THE PROJECT WILL CONSIST OF DEVELOPING A NEW PRIVATE ROAD THAT WILL EXTEND FROM THE SOUTH END OF THE EXISTING HANGMAN LANE CUL-DE-SAC. THE NEW PRIVATE ROAD WILL SERVE FOUR LOTS. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 1,018 L.F. OF A 20' WIDE ASPHALT ROADWAY WITH 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: TREES, TALL GRASS AND WEEDS
- PLAN PREPARATION DATE: OCTOBER, 2008
- SOILS: ON SITE SOILS CONSIST OF BERNHILL SOILS (BH0) & SPRINGDALE GRAVELLY LOAM SAND (S2E)
- STABILIZATION 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.
- CONTROL OF POLLUTANTS:** ANY SPILLS WILL BE HANDLED ACCORDING TO THE DEPARTMENT OF ECOLOGY AND DEPARTMENT OF HEALTH 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.



SITE PLAN
SCALE: 1" = 100'

STREETS
SPOKANE COUNTY ENGINEERING
1028 WEST BROADWAY
SPOKANE, WASHINGTON 99206
PHONE: 509-477-3600
FAX: 509-477-7478
CONTACT: MATT ZARECOR, P.E.

FIRE DEPARTMENT
FIRE DISTRICT NO. 8
E. 1200 PALOUSE HIGHWAY
VALLEYFORD, WA 99036
PHONE: 509-926-6699
FAX: 509-924-8358
CONTACT: LONNIE RASH, CHIEF

WATER
ON SITE WELLS

ON SITE SEWER
SEPTIC TANK & DRAINFIELDS

SOLID WASTE
WASTE MANAGEMENT
SPOKANE, WASHINGTON
PHONE: 509-466-3400

HEALTH
SPOKANE REGIONAL HEALTH
1101 WEST COLLEGE AVENUE
SPOKANE, WASHINGTON 99206
PHONE: 1-509-324-1560-1
FAX: 1-509-324-3603
CONTACT: DON COPLEY

POWER
INLAND POWER AND LIGHT
320 EAST 2ND AVENUE
SPOKANE, WASHINGTON 99202
PHONE: 509-747-7151
FAX: 509-626-4229
CONTACT: DAN VILLALOBOS

CABLE
COMCAST BROADBAND
1717 EAST BUCKEYE
SPOKANE, WASHINGTON, 99207
PHONE: 509-755-4717
FAX: 509-483-9261
CONTACT: BRYAN RICHARDSON

GAS
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WASHINGTON 99220
PHONE: 509-495-8536
FAX: 509-495-8734
CONTACT: SHERRY MILLER

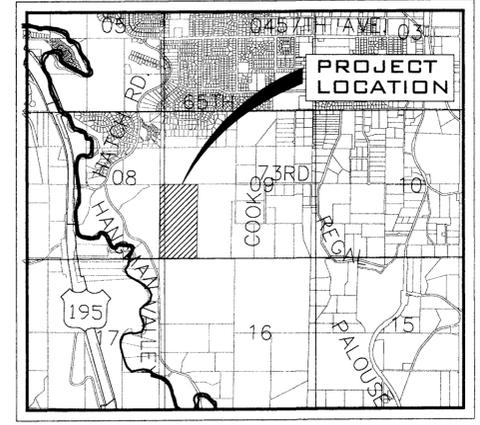
TELEPHONE
QWEST
904 NORTH COLUMBUS
SPOKANE, WASHINGTON, 99202
PHONE: 509-455-2580
FAX: 509-455-2104
CONTACT: DAVE CLARK

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

SURVEYOR
PAT MOORE & ASSOCIATES
7224 W. JOHANNSEN AVENUE
NINE MILE FALLS, WA 99026
PHONE: 1-509-328-1224
FAX: 1-509-328-3191
CONTACT: PAT MOORE, P.L.S.

ENGINEERING
WHIPPLE CONSULTING ENGINEERS
2528 N. SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PHONE: 509-893-2617
FAX: 509-926-0227
CONTACT: JOHN F. SAYWERS, P.E.

OWNER/DEVELOPER
LATAH PROPERTIES, L.L.C.
PO BOX 30745
SPOKANE, WASHINGTON 99223
PHONE: 509-443-1508
CONTACT: MICHAEL CHADDUCK



VICINITY MAP
NOT TO SCALE

LEGEND

- SILT FENCE. SEE DETAIL 1, SHEET 6 AND GENERAL NOTE 5, THIS SHEET.
- ROCK CONSTRUCTION ENTRY. SEE DETAIL 2, SHEET 6 AND GENERAL NOTE 6, THIS SHEET.
- INLET SEDIMENT FILTER. SEE DETAIL 3, SHEET 6 AND GENERAL NOTE 4, THIS SHEET.

LEGAL DESCRIPTION

TRACT "4" OF SHORT PLAT No. 1333-03 ACCORDING TO THE PLAT THEREOF RECORDED IN BOOK 21 OF SHORT PLATS, PAGES 95 & 96, RECORDS OF SPOKANE COUNTY, WASHINGTON

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



ENGINEER

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.



EXPIRES 11/24/09

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 (909) 477-3600

NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



NAVD-88

BASED ON WSDOT GPS MON "GP32195-181"
LOCATED ON THE NORTH SIDEWALK OF THE
HANGMAN CREEK BRIDGE. ELEVATION =
1857.897 FEET (566.287 METERS)

NO.	DATE	BY	REVISIONS
	8/28/09		RECORD DRAWING
	02/02	MAT	FINAL SUBMITTAL TO SPOKANE COUNTY FOR APPROVAL

SCALE:

HORIZONTAL: AS SHOWN

VERTICAL: N/A

PROJ #: 2008-556

DATE: 02/02/09

DRAWN: MAT

APPROVED: JFS

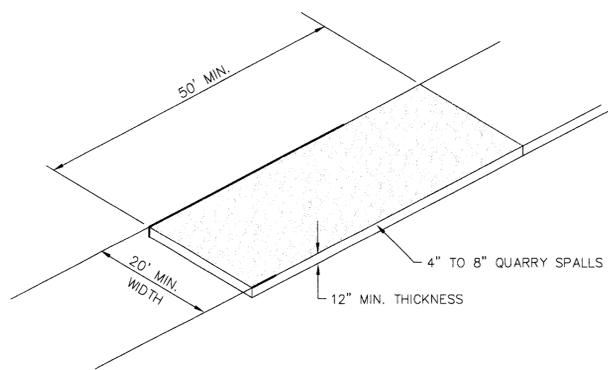


STREET & DRAINAGE PLANS
EROSION CONTROL PLAN
LATAH HILLS SHORT PLAT
SPOKANE COUNTY, WASHINGTON

SHEET
5 OF 6

JOB NUMBER
2008-556

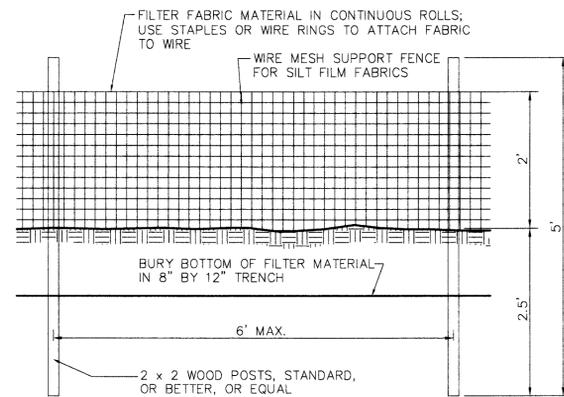
P 2009 Eng As-Built



ROCK CONSTRUCTION ENTRY

NOT TO SCALE

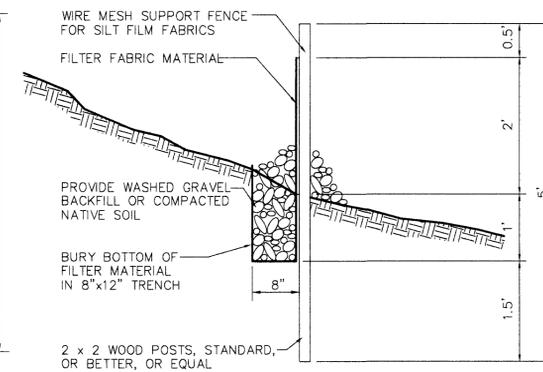
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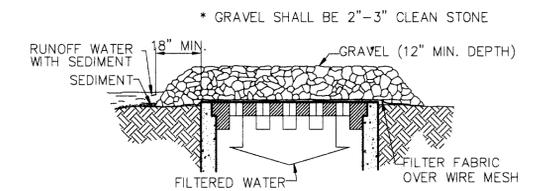
ELEVATION

SILT FENCE DETAIL

NOT TO SCALE



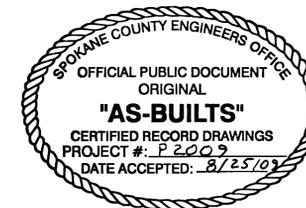
2
-



GRAVEL AND WIRE MESH INLET SEDIMENT FILTER

NOT TO SCALE

3
-



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:
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PROJECTS LANE MILES: PUBLIC:
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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



NAVD-88

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SCALE:
HORIZONTAL:
AS SHOWN
VERTICAL:
N/A

PROJ #: 2008-556
DATE: 02/02/09
DRAWN: MAT
APPROVED: JFS

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

**STREET & DRAINAGE PLANS
EROSION CONTROL DETAILS
LATAH HILLS SHORT PLAT
SPOKANE COUNTY, WASHINGTON**

**SHEET
6 OF 6**
JOB NUMBER
2008-556

P-2009 Eng As-Built