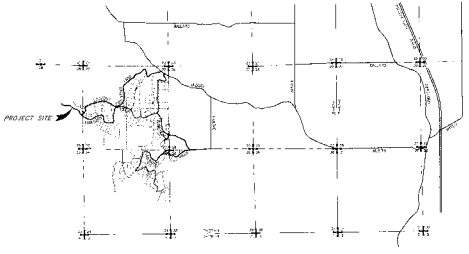


PROJECT/VICINITY MAP

PORTIONS OF THE EAST 1/2 OF SECTION 34, T. 17 N., R. 12 E., M.M., SPOKANE COUNTY, WASH. 99004

SHEET INDEX

1 COVER SHEET
2 LOOKOUT MOUNTAIN LANE – Sta. 4+68 to Sta. 17+00
3 LOOKOUT MOUNTAIN LANE/HAYDEN LANE INTERSECTION – Sta. 7/+00 to Sta. 19+84
4 EROSION CONTROL PLAN and STREET DETAILS

PROJECT NOTES:

NAME OF PROPERTY OWNER:
TOM GILLET, JR.
[illegible]

NAME OF PROJECT MANAGER:
[illegible]

NAME OF CONTACT PERSON AT PROJECT SITE:
[illegible]

[illegible]

LEGAL DESCRIPTION:

PORTIONS OF THE EAST 1/2 OF SECTION 34, T. 27 N., R. 42 E. SPOKANE COUNTY, WASHINGTON

ENGINEER'S STATEMENT:

[illegible]

SPOKANE COUNTY ENGINEER
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # [illegible]
DATE ACCEPTED: 11-16-09
EXPIRATION DATE: [illegible]
PROJECT LANE DEED PLAT NUMBER: [illegible]
PROJECT LANE BOND TRACKER: [illegible]
THIS PLAN IS ACCEPTED FOR CONSTRUCTION PURPOSES ONLY. THE ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE PROJECT. THE SPOKANE COUNTY ENGINEER DOES NOT CERTIFY THE DESIGN OR THE ENGINEER OF RECORD.
PERMIT REQUIRED: [illegible]
SUPPLEMENTAL CHANGES & REVISIONS:
[illegible]
THIS PLAN IS ACCEPTED FOR CONSTRUCTION PURPOSES ONLY. THE ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE PROJECT. THE SPOKANE COUNTY ENGINEER DOES NOT CERTIFY THE DESIGN OR THE ENGINEER OF RECORD.

* Construction plan revision actually authorized 04/13/07. This private road development is not currently part of a requirement of any previous platting action.

11-16-07
SPOKANE COUNTY ENGINEER — DATE

BENCHMARK
[illegible]

METRO ENGINEERING, INC.
[illegible]
SPOKANE, WASHINGTON
(509) 924-9337

[illegible]

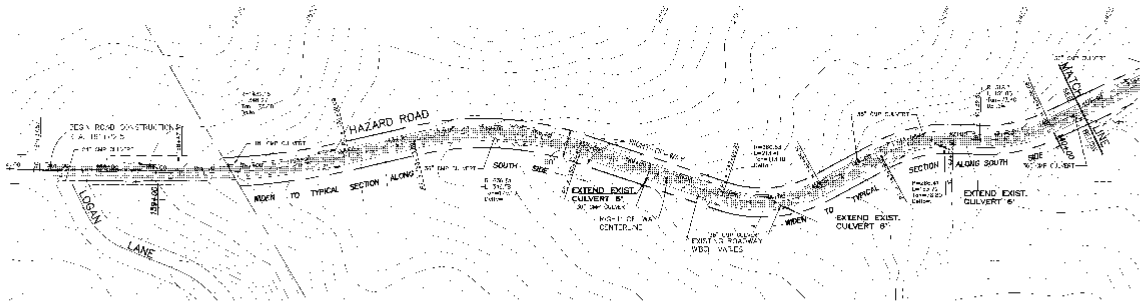
RIVER BLUFF RANCH
LOOKOUT MOUNTAIN LANE EXTENSION
COVER SHEET

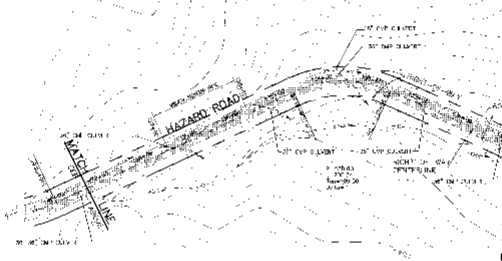
SHT 1 OF 4
06 009

P-1186

Original Drawings

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED





PLAN

NOTE

THE ALIGNMENT AND MISC. OR ASBUILT INFORMATION ON THIS PLAN ARE BASED ON THE AS-CONSTRUCTED PLANS FOR HAZARD ROAD, DATED SEPTEMBER 5, 1979 AND HAVE NOT BEEN FIELD VERIFIED. THIS ALIGNMENT SHOULD NOT BE THE ACTUAL ROADWAY BASED ON AERIAL PHOTOGRAPHY.

CONTOUR INTERVAL IS ARBITRARY AND MAY NOT BE ACCURATE. DATUM: NAVD 1988

GENERAL SPECIFICATIONS

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2000 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, AS PROMULGATED JOINTLY BY APWA, ODOT, AND WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA), WITH ALL AMENDMENTS HERETO.
2. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH SPOKANE COUNTY STANDARDS FOR ROAD AND ALLEY CONSTRUCTION DATED, AND AS AMENDED.
3. LOCATIONS OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES, AND CONTACTING THE UTILITY, INC. 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 AND THE SPOKANE COUNTY ENGINEERS OFFICE.
6. PRIOR TO START CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL UTILITIES UNDERGROUND LOCATIONS. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.
7. PARKING ON ROADWAY IS PROHIBITED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 1-07.2(2)(A) OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.

PAVING NOTES

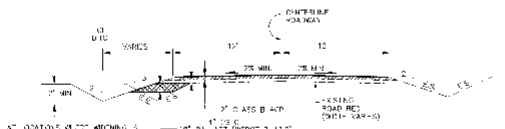
1. ASPHALT CONCRETE SHALL CONSIST OF WSDOT CLASS B HOT MIX HEATED IN CONFORMANCE WITH THE SPECIFICATIONS.
2. ASPHALT CONCRETE SHALL BE MANUFACTURED AND PLACED FOR THE MINIMUM SPECIFICATION SHOWN ON THE PLANS STANDARD SPECIFICATIONS.
3. ASPHALT CONCRETE SHALL BE COMPACTED TO A MINIMUM OF 91% OF THE WSDOT STANDARD SPECIFICATIONS, 2000 EDITION.
4. THE CONTRACTOR SHALL PROVIDE ADEQUATE CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL PROCEDURE. PRESERVATION AND PLACEMENT OF TRAFFIC REQUIREMENTS OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1988 EDITION AND SPOKANE COUNTY ENGINEERS.
5. ALL EXISTING MONUMENTS, SIGN MARKERS, ETC. WHICH ARE WITHIN THE PAVEMENT OR SHOULDER AREAS SHALL BE ADJUSTED TO MATCH THE FINAL GRADE.
6. WHEN WIDENING IS REQUIRED, ADJUST THE LINE OF DRAINAGE DITCH AS NECESSARY TO MEET SHOULDER SLOPE AND WIDTH REQUIREMENTS.

LEGEND

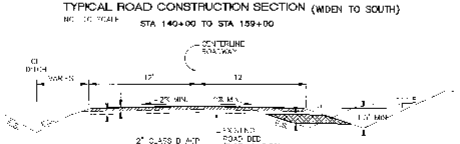
	NEW ACP SECTION
	EXISTING GRAVEL ROADWAY
	NEW CONCRETE
	EXISTING DRAINAGE CULVERT
	DRAINAGE - TYPE
	DRAINAGE COLLAPSE
	DITCH PROFILE

DITCH RECONSTRUCTION QUANTITIES

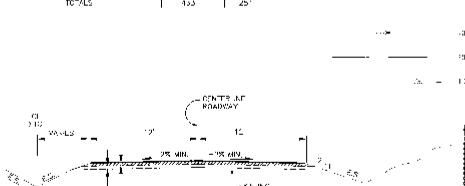
STATION	CUT (CY)	FILL (CY)
135+50 TO 137+50	85	14
140+00 TO 161+22	330	240
TOTALS	415	254



TYPICAL ROAD CONSTRUCTION SECTION (WIDEN TO SOUTH)
NOT TO SCALE
STA 140+00 TO STA 159+00



TYPICAL ROAD CONSTRUCTION SECTION (WIDEN TO NORTH)
NOT TO SCALE
STA 135+50 TO STA 137+50



TYPICAL ROAD CONSTRUCTION SECTION (NO WIDENING)
NOT TO SCALE
STA 126+52± TO STA 135+50
STA 137+50 TO STA 140+00
STA 159+00 TO STA 161+22±

SPOKANE COUNTY
OFFICIAL PLAN ORIGINAL
CONSTRUCTION PLANS
PROJECT # P18-06
DATE ACCEPTED 9-28-2000
ACCEPTANCE EXPIRES 9-28-2002
PROJECT LANE YES NO
PROJECT LANE YES NO
CONSTRUCTION
PERMIT REQUIRED BY SPOKANE COUNTY
PRIOR TO CONSTRUCTION

CERTIFICATION

The design information shown on this set of plans and specifications conform to the applicable rules 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.

SPOKANE COUNTY ENGINEER
STATE OF WASHINGTON
ROBERT A. BRUCE
No. 14600
EXPIRES 3-31-00

Nabeglood 21, LLC
by [signature], pres.
DEVELOPER'S APPROVAL

9-22-00
DATE

SW SE
25-27-42

1/2

CALL BEFORE YOU DIG:1-800-456-8000

BY	REVISIONS	DATE	PAGE	FROM	AS BUILT	TO AS-BUILT

BENCH MARK DATUM | SCALE | DATE | STAFF
BY | HORIZONTAL 1" = 20' | PLAN | DRAWN
REVISION | VERTICAL N/A | DATE | DESIGN
REVISION | | | CHECKED

AC ADAMS & CLARK, Inc.
1720 E. Fourth Ave.
Spokane, WA 99202
(509) 747-4800 FAX (509) 747-8813

HAZARD ROAD
LOGAN LANE TO DALTON ROAD
SPOKANE COUNTY, WASHINGTON

TITLE OF DRAWING: ROADWAY
PROJECT NUMBER | PLAN NUMBER

P-1866 Eng Road Drawings

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

GENERAL SPECIFICATIONS

1. [illegible] WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION", AND AS AMENDED BY SPOKANE COUNTY.
2. [illegible] REQUIRED FOR EXCAVATION, ALIGNMENT, ETC. CONTACT [illegible] ONE CALL UNDERGROUND [illegible] ALL UNDERGROUND UTILITIES SHALL BE RELOCATED PRIOR TO SOME ELEMENTS WHICH MAY INTERFERE WITH THE [illegible]
3. THE CONTRACTOR IS REQUIRED TO HAVE A [illegible] ON HAND AT ALL TIMES WHILE DRAINAGE [illegible] IS IN PROGRESS.
4. [illegible] ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED SHALL BE DETERMINED BY NOTIFY THE DESIGN ENGINEER.
5. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION [illegible] CALL THE UNDERGROUND UTILITY LOCATOR SERVICE AT 456-8000 BEFORE YOU DIG.
6. THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM [illegible] REQUIRED. [illegible] ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE [illegible] PROVIDED TO PREVENT EROSION AND/OR TRANSPORTATION OF SOIL OR OTHER MATERIALS FROM ENTERING ROADWAY OR ANY OTHER PUBLIC OR PRIVATE DRAINAGE FACILITIES, OR ON PROPERTIES, STREETS, OR OTHER PUBLIC OR PRIVATE PROPERTIES.

PRESERVE NATURAL VEGETATION (VG)

PURPOSE:
MINIMIZE EXPOSED SOILS AND CONSEQUENT EROSION BY CLEARING ONLY ENOUGH CONSTRUCTION AREA.

OBJECTIVE:
TO REDUCE EROSION BY PRESERVING NATURAL VEGETATION WHENEVER POSSIBLE.

CONTROL MEASURES:
NATURAL VEGETATION SHOULD BE PRESERVED ON ALL AREAS OUTSIDE OF THE CLEARING AND GRADING LIMITS.

PERMANENT SEEDING (PS)

PURPOSE:
SHALL BE PROVIDED AT ALL LOCATIONS WHERE DITCHES AND SLOPES ARE DISTURBED.

APPLICABILITY:
THE ESTABLISHMENT OF PERENNIAL VEGETATIVE COVER ON DISTURBED AREAS.

PURPOSE:
TO ESTABLISH PERMANENT VEGETATION (SUCH AS GRASSES, LEGUMES AND [illegible]) AS RAPIDLY AS POSSIBLE [illegible] EROSION.

DOWNSTREAM WATER PROTECTION APPLIES

[illegible] DISTURBED DITCHES AND AREAS [illegible] CONTROL TO ESTABLISH THE [illegible]

[illegible] AREAS THAT ARE DISTURBED BY THE DRAINAGE IMPROVEMENT WORK

VEGETATION LINED CHANNELS.

PROVIDE FERTILIZATION AND WATER AS NECESSARY WITH GUARANTEE FOR SURVIVAL AND ESTABLISHMENT. [illegible] OF GRASS SEEDS AND SHRUBS SPECIFIED AS FOLLOWS:

[illegible] SHALL BE [illegible] WITH THE APPROVAL OF OTHER AND THE [illegible] TELEVISED. PROVIDE THE FOLLOWING [illegible] SHALL NOT BE [illegible] DAYS [illegible] COUNTY [illegible] THE ANNUAL TIE GRASS, [illegible] MILLETGRAY, [illegible] PERENNIAL [illegible] SHALL BE [illegible] OF AT A MINIMUM [illegible] PER ACRE.

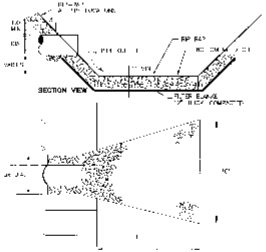
PROVIDE FERTILIZER AS FOLLOWS:

FERTILIZING: [illegible] OF BITUMINOUS [illegible] [illegible] AT THE RATE OF [illegible] WITH [illegible] PRIOR TO APPLICATION. [illegible] UNTIL UNIFORMLY BLENDED INTO [illegible] PRIOR TO APPLICATION.

1. [illegible] WITH [illegible] TO DITCHES, [illegible] PER DIMENSIONS.
2. [illegible] PER DIMENSIONS [illegible] AND [illegible] BUT NOT LESS THAN THE RATE REQUIRED TO [illegible] SOIL [illegible]

ALL SEEDING [illegible] SHALL BE DONE IN ACCORDANCE WITH WSDOT [illegible] STANDARDS APPROPRIATE.

PERMANENT SEEDING SHALL OCCUR BETWEEN THE [illegible] OCTOBER [illegible] AND [illegible] [illegible] WITH [illegible] PER ACRE [illegible] WHICH SHALL BE WORKED INTO THE SOIL BY [illegible] OR OTHER METHODS AS APPROVED BY THE CITY OF SPOKANE CONSTRUCTION MANAGER [illegible]

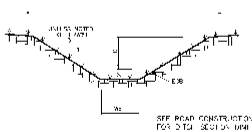


DRAINAGE PIPE OUTFALL

PLACED AT CULVERT EXTENSIONS
STA 142+30, 148+00, & 148+75

EROSION CONTROL BLANKET (ECB)

[illegible] NON BIODEGRADABLE GREEN COVER, OR EQUAL
NOTE: SEED, MULCH, FERTILIZER & ECB'S, PER EROSION CONTROL SPECIFICATIONS.



DITCH SECTION WITH ECB

STA 152+00 TO STA 140+00

CERTIFICATION

The design improvements of [illegible] in this [illegible] plans are [illegible] to the applicable sections of the Spokane County Guidelines for Road and Sewer Construction and the Spokane County Guidelines for Stormwater Management. All design deviations have been approved by the Spokane County Engineer. Approval these plans [illegible]

ARCHITECT 9-17-00

SPOKANE COUNTY SURVEYOR
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P1866
DATE ACCEPTED [illegible]
ACCEPTANCE LETTER [illegible]
PROJECT LANE MILES [illegible]
PROJECT LANE MILES REPLACED [illegible]
CONSTRUCTION [illegible]
RECORD DRAWING [illegible]
[illegible]
NOTES AS REQUIRED [illegible]
AS BUILT REQUIRED [illegible]
NOTES FROM STAMPED [illegible]
RECORD DRAWING [illegible]

Hazelwood 21, LLC
by [illegible], pres. 9-22-00
PROPERTY OWNER DATE

NE
SW SE
26 27-42

2/2

CALL BEFORE YOU DIG:1-800-456-8000

BY	REVISIONS	DATE	REC.	CHKD	AS BUILT	BY	REVISION

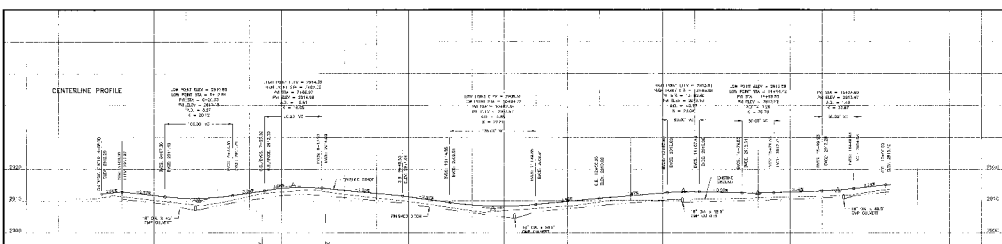
BENCH MARK DATUM: SCALE
NGVD HORIZONTAL 1" = 20' 8/00
DATE
DRAWN
DESIGNED
CHECKED
DESIGN
VERTICAL 1" = 5'
STAMPED

AC ADAMS & CLARK, Inc.
1020 E. Fourth Ave.
Spokane, WA 99202
(509) 747-4000 FAX (509) 747-8013

HAZARD ROAD
LOCAL LANE - 0 MILION ROAD
SPOKANE COUNTY, WASHINGTON

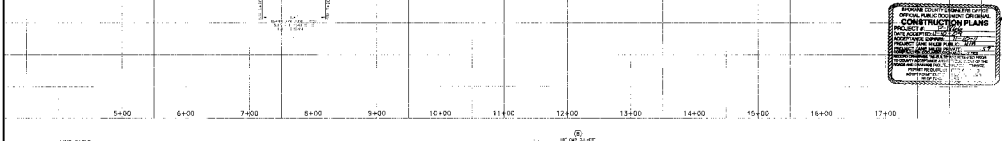
TYPE 0- IMPROVEMENT ROADWAY
PROJECT NUMBER PLAN NUMBER

P1866 Eng Road + Drainage



LINE TABLE		
NO.	BEARING	DISTANCE
L1	S 89°26'57" W	30.00'

CURVE TABLE					
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD
C1	90°00'00"	40.00'	62.83'	40.00'	56.57'
C2	90°00'00"	20.00'	31.42'	20.00'	28.28'



LEGEND

	EXISTING CONTOUR, 5' INTERVAL
	EXISTING CONTOUR, 1' INTERVAL
	EDGE OF EXISTING GRAVEL ROAD
	PROPOSED EDGE OF ASPHALT/GRAVEL SHOULDER
	EXISTING DITCH LINE
	PROPOSED DITCH LINE
	EXISTING ATS 911 POST
	EXISTING 18" CMP CULVERT
	PROPOSED 18" CMP CULVERT (OR EXTENSION)
100.57	EXISTING GRD. ELEVATION
95.00	PROPOSED FINISH GRADE
	EXISTING WATER VALVE
	EXISTING JUNCTION BOX
	EXISTING TRAFFIC SIGN
	EXISTING ELECTRIC TRANSFORMER
	EXISTING TREE
	EXISTING ELECTRIC LINE
	EXISTING GAS VALVE
(A)	CURVE REFERENCE
(B)	PERMANENT SEEDING

CONSTRUCTION NOTES:

1. ALL EDGE OF CONSTRUCTION SHALL BE STAKED BY A REGISTERED ME, LS OR SURVEYOR. ALL STAKING SHALL BE PAID UNDER THE SURVEYING CONSTRUCTION ALTERNATIVE (SCA) IN THE CONTRACTOR BID.
2. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES. ALL WORK ADJACENT TO EXISTING UTILITIES SHALL BE CONSIDERED INCIDENTAL AND SHALL BE COORDINATED, AND ALL ARRANGEMENTS MADE.
3. LOCATION OF UNDERGROUND UTILITIES ARE TO BE PLACED IN THE ROAD AS APPROXIMATE AND MAY VARY BY SEVERAL FEET. PRIOR TO ANY CONSTRUCTION, CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES TO LOCATE THEIR UTILITIES. ALL WORK ADJACENT TO EXISTING UTILITIES SHALL BE CONSIDERED INCIDENTAL AND SHALL BE INCLUDED UNDER THE CONTRACTOR'S BID.
4. THE CONTRACTOR IS RESPONSIBLE TO KEEP ALL DITCHES OPEN AND MAINTAIN THE DRAINAGE PATTERN THAT THE LAND OWNER HAS ESTABLISHED. CONTRACTOR IS RESPONSIBLE.
5. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. DO NOT PUT THE GRADER BACKWARD WHEN IN A CHANGE OVER DIRECTION OPERATION.
6. DO NOT REMOVE NO ALL RIGHT OF WAY STAKES, MONUMENTS OR CORNERS.

8-10-07
REGISTERED ENGINEER DATE

SECTION 28, T. 27 N., R. 42 E. W.M.

CA - NWORF VOL 1 PG. 464 ADDR

D-1866

Engineered Drawing

BENCHMARK
DESCRIPTION: ...
LOCATION: ...
ELEVATION: ...

METRO ENGINEERING, INC.
3924 E. MONA AVENUE
SPOKANE, WA 99202
(509) 534-9303

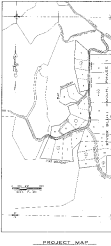
OFFICIAL PUBLIC TRACKING ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE RECEIVED
ACCEPTANCE DATE
ENGINEER
CONTRACTOR
CONSTRUCTION ENGINEER
CONSTRUCTION ENGINEER CERTIFICATION
PERMIT REQUIRED
REPORT FOR REVIEW

OCTOBER 8, 2010
Revised 11/16/07

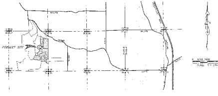
DRAWN BY: JCD
CHECKED BY: JGL
DATE: 08/08/07
SCALE: AS SHOWN

RIVER BLUFF RANCH
LOOKOUT MOUNTAIN LANE IMPROVEMENTS
PLAN & PROFILE, Sta. 4+68 to 17+00

SHEET
2 OF 4
06-009



PROJECT MAP



VICINITY MAP

ENGINEER'S STATEMENT: [illegible]

CONSTRUCTION NOTES:

1) ALL ... OF CONSTRUCTION SHALL BE ... IN ACCORDANCE WITH THE ... STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION ... [illegible]
2) PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ... [illegible] PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
3) THE CONTRACTOR IS REQUIRED TO HAVE A ... SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE ... CONSTRUCTION IS IN PROGRESS.
4) IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ... THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ... ENGINEER AND THE SPOKANE COUNTY ENGINEER'S OFFICE.

SHEET INDEX

1 COVER SHEET

ROAD PLANS (Prepared by ADAMS & CLARK, INC.)

2	HAYDEN LANE	Sta. 100+00 to Sta. 113+73.12	(Record Drawing)
3	LOGAN LANE	Sta. 110+73.12 to Sta. 126+00	(Record Drawing)
4	LOGAN LANE	Sta. 126+00 to Sta. 140+57.61	(Record Drawing)
5	BRANNON LANE	Sta. 10+00 to Sta. 20+12.42	(Record Drawing)
6	JUSTIN LANE	Sta. 10+00 to Sta. 14+69.07	(Design Plan)

STORMWATER PLANS (Prepared by METRO ENGINEERING, INC.)

7	DRAINAGE BASIN "DF1" - DETENTION POND DESIGN	(Design Plan)
8	BASIN "DFB" DITCH - PLAN, PROFILE & DETAILS	(Design Plan)
9	BASIN "DFB" DITCH - PLAN, PROFILE & DETAILS	(Design Plan)
10	DRAINAGE BASIN "DFB" - RETENTION/DETENTION POND DESIGN	(Design Plan)
11	BASIN "DF2" DITCH - PLAN, PROFILE & DETAILS	(Design Plan)
12	DRAINAGE BASIN "DF2" - SEDIMENT POND/CULVERT PLAN	(Design Plan)
13	EROSION/SEDIMENT CONTROL - NOTES AND DETAILS	(Design Plan)

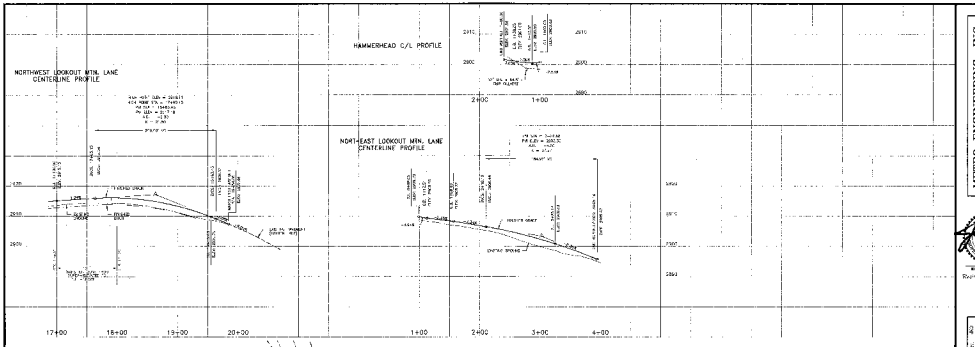
SPOKANE COUNTY ... CONSTRUCTION PLANS

9-20-01

METRO ENGINEERING, INC.
N. 324 SHERMAN
SPOKANE, WA 99202
(509) 622-2351

RIVER BLUFF RANCH, PHASE 1
COVER SHEET

SHEET 1 of 13

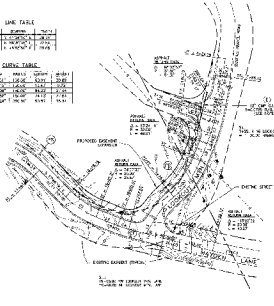


LINE TABLE

LINE	BEARING	DISTANCE
L1	N 00°00'00" E	20.00'
L2	N 00°00'00" E	20.00'
L3	N 00°00'00" E	20.00'

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	DEGREE
C1	90°00'00"	14.00'	22.00'	81.85'
C2	90°00'00"	14.00'	22.00'	81.85'
C3	90°00'00"	14.00'	22.00'	81.85'
C4	90°00'00"	14.00'	22.00'	81.85'
C5	90°00'00"	14.00'	22.00'	81.85'



LEGEND

- EXISTING CONTOUR, 1' INTERVAL
- EXISTING CONTOUR, 5' INTERVAL
- EXISTING EDGE OF ASPHALT
- PROPOSED 1"SQ OF ASPHALT/GRAVEL SHOULDER
- PROPOSED DITCH LINE
- PROPOSED CURB
- EXISTING 10' CURB ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING MAIL BOX
- EXISTING BY TV ON TRAFFIC BOX
- EXISTING STREET NAME SIGN
- EXISTING ELECTRIC VALVE
- EXISTING CONCRETE WATER VALVE
- EXISTING GAS VALVE
- EXISTING MED. PRESSURE GAS MAIN
- VACUUM MONUMENT
- PERMANENT BENCH
- CONSTRUCTION ENTRANCE, SEE DETAIL

CONSTRUCTION NOTES:

1. ALL WORK IN CONNECTION WITH THE CONSTRUCTION OF THE LOOKOUT MTN. LANE IMPROVEMENTS SHALL BE PERFORMED IN THE STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS PUBLISHED BY THE SOUTHERN CALIFORNIA CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION, UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE PLANS, AND THE CITY OF MONTEREY PARK STANDARD PLANS AND SPECIFICATIONS.
2. CONTRACTOR TO PROTECT AND PRESERVE THE EXISTING ASPHALT, CURB AND GUTTER, SIDEWALK, AND ALL OTHER IMPROVEMENTS ADJACENT TO THE CONSTRUCTION AREA. ANY DAMAGE TO THE EXISTING IMPROVEMENTS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY ENGINEER.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. ANY DAMAGE TO THE UTILITIES DURING CONSTRUCTION IS TO BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION ENTRANCE AT THE EXISTING DRIVEWAY AS SHOWN ON THE PLANS.
5. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION ENTRANCE AT THE EXISTING DRIVEWAY AS SHOWN ON THE PLANS.
6. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION ENTRANCE AT THE EXISTING DRIVEWAY AS SHOWN ON THE PLANS.
7. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION ENTRANCE AT THE EXISTING DRIVEWAY AS SHOWN ON THE PLANS.
8. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION ENTRANCE AT THE EXISTING DRIVEWAY AS SHOWN ON THE PLANS.
9. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION ENTRANCE AT THE EXISTING DRIVEWAY AS SHOWN ON THE PLANS.
10. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION ENTRANCE AT THE EXISTING DRIVEWAY AS SHOWN ON THE PLANS.
11. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION ENTRANCE AT THE EXISTING DRIVEWAY AS SHOWN ON THE PLANS.
12. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION ENTRANCE AT THE EXISTING DRIVEWAY AS SHOWN ON THE PLANS.

CONSTRUCTION PLANS
PROJECT NO. 04-029
PROJECT NAME: LOOKOUT MTN. LANE IMPROVEMENTS
PROJECT LOCATION: LOOKOUT MTN. LANE
PROJECT NAME: RIVER BLUFF RANCH
PROJECT LOCATION: LOOKOUT MTN. LANE
THE CONSTRUCTION PLANS HEREIN ARE APPROVED FOR CONSTRUCTION PURPOSES. THE CITY ENGINEER'S SIGNATURE IS A CERTIFICATION THAT THE PLANS HAVE BEEN REVIEWED AND ARE IN CONFORMANCE WITH THE CITY'S STANDARDS.
CITY ENGINEER
DATE

R 10-07
EXPLANATION OF REVISION
DATE

SECTION 28, T. 2 N., R. 42 E. W.M.

CALL BEFORE YOU DIG 800 422 4133

BENCHMARK
BENCHMARK 1: STEEL LOOP, 1/2" DIA. 1.5' DEEP, 0.5' ABOVE GRADE, 0.5' DIAMETER, ROOT TRIMMED, 20' NE, 15' W OF CORNER OF LOOKOUT MTN. LANE AND HAYDEN LANE, ELEV. 1,000.00 (NAVD 88)

METRO ENGINEERING, INC.
3929 E. BROOKE AVENUE
SAN GABRIEL, CA 91776
(626) 284-9370

REVISED 11/30/07

DRAWN BY: BCD
DATE: SEPT. 19, 2006
SCALE: 1" = 10'-0"
CHK. BY: SCHAFER

RIVER BLUFF RANCH
LOOKOUT MOUNTAIN LANE IMPROVEMENTS
Lookout Mtn. Ln./Hayden Ln. Intersection

SHEET
3 OF 4
04-029

Original Drawing

EROSION & SEDIMENT CONTROL NOTES:

1) EROSION/SEDIMENT CONTROL (ESC) IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE ESC PLAN, CONSTRUCTION, MAINTENANCE AND UPGRADING OF THE ESC FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETE AND ACCEPTED BY SPOKANE COUNTY, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE AND ACCEPTED BY SPOKANE COUNTY, WHICHEVER IS LATER.

2) THE CONTRACTOR SHALL MAINTAIN THE ESC FACILITIES DURING WET WEATHER CONDITIONS TO ASSURE THAT THE FACILITIES ARE WORKING AS PLANNED AND THAT EROSION OF SOILS IS MINIMIZED. THE CONTRACTOR SHALL USE MEASURES AS NECESSARY DURING WET WEATHER CONDITIONS TO MINIMIZE TRACKING OF SOILS ONTO EXISTING STREETS. THE ESC MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE ESC MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF THE SITE, OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES.

3) SITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND ESC 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 477-3675. GRADING ON THIS SITE OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO, GRADING PERMITS, SEPA REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAINS, DESIGNATED DRAINAGEWAYS, ETC.

4) APPROVAL OF THE ESC PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PERMANENT ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE ESC PLAN.

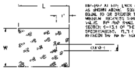
5) THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRANCES (SEE DETAIL) AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE.

6) THE EROSION CONTROL PLANS AND SPECIFICATIONS ARE SCHEMATIC AND ARE NOT INTENDED TO DEPICT ALL DETAILS OF THE WORK REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE TO FAMILIARIZE HIMSELF WITH THE ACTUAL SITE CONDITIONS AND FACTORS WHICH MAY CONTRIBUTE TO SOIL EROSION. THE CONTRACTOR SHALL IMPLEMENT ANY ADDITIONAL MEASURES WHICH ARE NECESSARY TO ALLEVIATE THE POTENTIAL FOR SOIL EROSION.

7) CONTRACTOR TO PROVIDE A DESIGNATED, POSTED CONCRETE WASHOUT AREA NEAR THE SITE ENTRANCE. THE CONCRETE WASHOUT SHALL NOT BE ALLOWED TO DRAIN OFF THE SITE OR INTO ANY EXISTING OR FUTURE STORM DRAINAGE FACILITIES. HARDENED WASH CONCRETE SHALL BE BROKEN UP AND REMOVED FROM THE SITE.

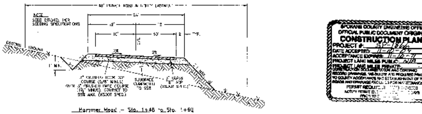
SUBGRADE NOTE:
CONTRACTOR SHALL VERIFY THAT A MINIMUM OF 6" OF DECOMPOSED GRANITE OR GRANULAR FILL IS IN PLACE PRIOR TO ROAD CONSTRUCTION.

CULVERT	L	W	d50
A	11.50'	9.00'	3"
B	13.50'	10.00'	5"
C	12.25'	9.25'	4"
D	11.00'	9.00'	3"
E	11.25'	9.00'	3"



RIP-RAP AT PIPE ENDS WITH MINIMUM DIMENSIONS AS SHOWN ABOVE. 50% OF RIP-RAP SHALL BE EQUAL TO OR GREATER THAN THE d50 VALUE LISTED. MINIMUM THICKNESS SHALL BE TWICE THE d50 VALUE. RIP-RAP SHALL BE IN ACCORDANCE WITH SECTION 9-13.1 OF THE WSDOT/APWA STANDARD SPECIFICATIONS. FILTER FABRIC SHALL BE PLACED BETWEEN THE NATIVE SOIL AND THE RIP-RAP.

RIP-RAP DETAIL
NOT TO SCALE



Hammer Head – Sta. 1+48 to Sta. 1+60
NOT TO SCALE

SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: SP-1866
DATE ACCEPTED: 11-12-07
ACCEPTANCE EXPIRES: 11-12-11
PROJECT LANE MILES PUBLIC: N/A
PROJECT LANE MILES PRIVATE: .57
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 [illegible]
NOTIFY PERMIT [illegible]
PRIOR TO [illegible]

EXPIRES 3-21-09
Revised 9/28/07

ENGINEER'S STATEMENT:

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO THE 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. APPROVE THESE PLANS FOR CONSTRUCTION.

PREPARER'S STATEMENT:

THIS EROSION CONTROL PLAN MEETS THE ESC PLAN REQUIREMENTS AS LISTED IN CHAPTER 4 OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT.

STABILIZED CONSTRUCTION ENTRANCE AND TIRE WASH

CODE: (CE)

DEFINITION:

A TEMPORARY STONE STABILIZED PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON A CONSTRUCTION SITE.

PURPOSE

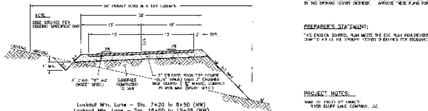
TO REDUCE THE AMOUNT OF MUD, DIRT, ROCKS, ETC. TRANSPORTED ONTO PUBLIC ROADS BY MOTOR VEHICLES OR RUNOFF BY CONSTRUCTING A STABILIZED PAD OF ROCK SPALLS AT ENTRANCES TO CONSTRUCTION SITES AND WASHING OF TIRES DURING EGRESS.

CONDITIONS WHERE PRACTICE APPLIES

- WHENEVER TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD OR OTHER PAVED AREAS.

MAINTENANCE:

- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING AND FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.



Lookout Mtn. Lane – Sta. 7+20 to 8+50 (NW)
Lookout Mtn. Lane – Sta. 18+00 to 19+55 (NW)
NOT TO SCALE

PROJECT NOTES:

NAME OF PROPERTY OWNER:
RIVER BLUFF LAND COMPANY, LLC

NAME OF PERMIT APPLICANT
CHRIS FEFTEL, PRESIDENT
[illegible]

NAME OF CONTACT PERSON AT PROJECT SITE:
CHRIS FEFTEL
4425 W. LOOKOUT MTN. LN. #A
SPOKANE, WA 99208 Phone: 509-464-0123

PROJECT ADDRESS:
LOOKOUT MOUNTAIN LANE WEST AND NORTH OF HAYDEN LANE INTERSECTION. (EAST 1/2 OF SECTION 28, T. 27 N., R. 42 E. W.M.)

DESCRIPTION OF PROJECT:
EXTENSION OF LOOKOUT MOUNTAIN LANE WEST OF LOOKOUT MOUNTAIN AND HAYDEN LANE INTERSECTION.

DESCRIPTION OF EXISTING VEGETATION & SOIL INFORMATION:
THE SITE IS LOCATED ON BERNHILL AND SPOKANE SOILS PER THE SCS SOILS MAP. THE EXISTING VEGETATION FOR THE SITE IS LIGHTLY TREED PINE FOREST.

TEMPORARY AND PERMANENT SEEDING AND PLANTING

CODE: (PS) SYMBOL —(PS)—

DEFINITION:

THE ESTABLISHMENT OF PERENNIAL VEGETATIVE COVER ON DISTURBED AREAS.

PURPOSE

TO ESTABLISH PERMANENT VEGETATION (SUCH AS GRASSES, LEGUMES AND TREES OR SHRUBS) AS RAPIDLY AS POSSIBLE TO PREVENT SOIL EROSION BY WIND OR WATER, AND TO IMPROVE WILDLIFE HABITAT AND SITE AESTHETICS.

TO PROVIDE POLLUTANT FILTRATION (BIOFILTRATION) IN VEGETATION-LINED CHANNELS AND TO ESTABLISH CONSTRUCTED WETLANDS AS REQUIRED (SEE BMP RB.10 IN CHAPTER III-4 AND RV.05 IN CHAPTER III-6).

CONDITIONS WHERE PRACTICE APPLIES

- GRADED, FINAL GRADED OR CLEARED AREAS WHERE PERMANENT VEGETATIVE COVER IS NEEDED TO STABILIZE THE SOIL.

  AREAS WHICH WILL NOT BE BROUGHT TO FINAL GRADE FOR A YEAR OR MORE.

- VEGETATION-LINED CHANNELS.

- RETENTION OR DETENTION PONDS AS REQUIRED.

GRASS SEED:

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

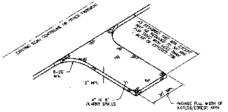
20% ELKA PERENNIAL RYE   20% DURAR HARD FESCUE
45% COVAR SHEEP FESCUE   15% RUEBENS CANADIAN BLUEGRASS

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

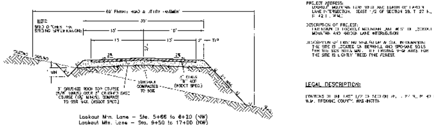
GRASS SEED: 80 LBS. PER ACRE
FERTILIZER: 16-16-16 TIMED RELEASE COMPOSITION, 300 LBS. PER ACRE

ALL SEEDING SHALL BE DONE IN ACCORDANCE WITH THE WSDOT 2004 STANDARD SPECIFICATIONS, SECTION 8-01. THE SEEDING DATES ALLOWED IN SECTION 8-01.3(7) SHALL BE AMENDED TO INCLUDE MARCH 1 TO MAY 15. CONTRACTOR TO IRRIGATE SEEDED AREAS UNTIL SEED HAS GERMINATED.

PERMANENT SEEDING/SEED SPECIFICATIONS (PS)



STABILIZED CONSTRUCTION ENTRANCE AND TIRE WASH (CE)
NOT TO SCALE



Lookout Mtn. Lane – Sta. 5+66 to 6+20 (NW)
Lookout Mtn. Lane – Sta. 9+50 to 17+00 (NW)
Lookout Mtn. Lane – Sta. 1+49 to 3+95 (NE)
NOT TO SCALE

LEGAL DESCRIPTION:

PORTIONS OF THE EAST 1/2 OF SECTION 28, T. 27 N., R. 42 E. W.M., SPOKANE COUNTY, WASHINGTON

DEVELOPER'S APPROVAL ______ 8-10-07 DATE

SECTION 28, T. 27 N., R. 42 E. W.M.

CALL BEFORE YOU DIG: 456-8000

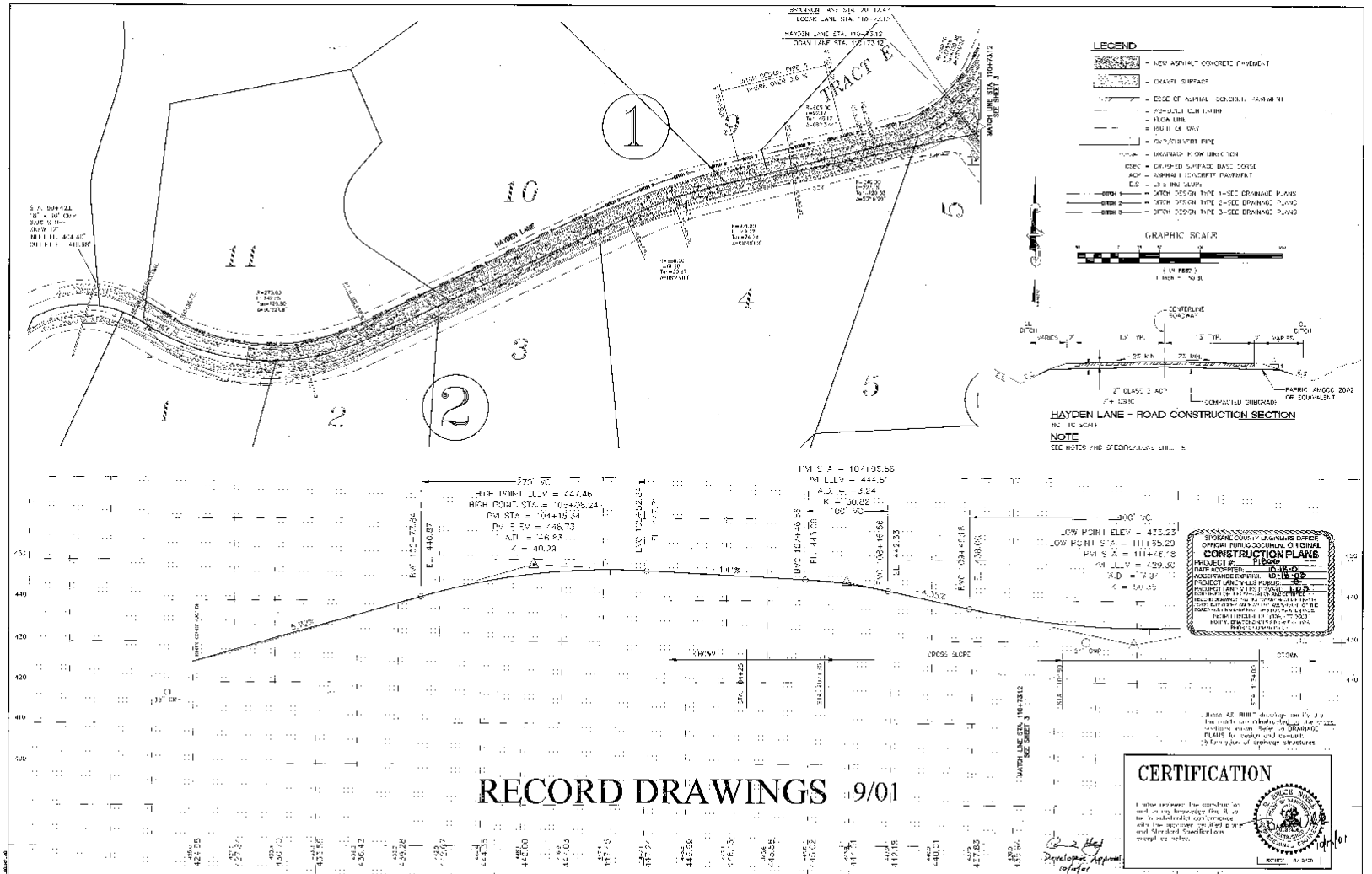
METRO ENGINEERING, INC.
3929 E. BOONE AVENUE
SPOKANE, WA 99202
(509) 624-9351

DRAWN BY: JKO
CHECKED BY: JRL
DATE: 06/15/07
SCALE: AS SHOWN

RIVER BLUFF RANCH
LOOKOUT MOUNTAIN LANE EXTENSION
DETAILS & EROSION CONTROL PLAN

SHEET 4 OF 4
06-009

P-1866 Eng Lons. Drainage


LEGEND
NEW ASPHALT CONCRETE PAVEMENT
GRAVEL SURFACE
EDGE OF ASPHALT CONCRETE PAVEMENT
FLOW LINE
GRAPHIC SCALE
CENTERLINE ROADWAY
HAYDEN LANE - ROAD CONSTRUCTION SECTION
NOTE
SEE NOTES AND SPECIFICATIONS
TRACT E
HAYDEN LANE
MATCH LINE STA. 110+73.12
SEE SHEET 3
HIGH POINT ELEV = 447.46
HIGH POINT STA. = 103+05.24
PVI STA = 101+19.34
PVI ELEV = 448.73
K = 40.29
LOW POINT ELEV = 423.23
LOW POINT STA. = 111+55.29
PVI STA = 111+46.18
PVI ELEV = 429.50
K = 50.00
CROSS SLOPE
STORM
STORMWATER COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT, ORIGINAL
CONSTRUCTION PLANS
PROJECT # P1866
DATE ACCEPTED: 10-18-01
ACCEPTANCE EXPIRES: 10-18-05
PROJECT LANDY VIS PUBLIC:
PROJECT LANDY VIS PRIVATE: L.O.S.
RECORD DRAWINGS 9/01
CERTIFICATION
Developer Approval
10/18/01
CALL BEFORE YOU DIG! 1-800-456-6000
REVISIONS
AS BUILT
ADAMS & CLARK, Inc.
1128 W. Fourth Ave.
Spokane, WA 99204
(509) 747-4601 FAX (509) 747-4065
HAYDEN LANE
STA 100+00 TO STA 110+73.12
SPOKANE COUNTY, WASHINGTON
ROSE & LIFF RANCH
TYPE OF IMPROVEMENT: PS VATE
PROJECT NUMBER: 2020-112
SHEET NUMBER: 2 of 15
P1866 Orig Road Drainage

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

MATCH LINE STA. 110+73.12
SEE SHEET 2

HARDEY LANE STA. 110+73.12
LOGAN LANE STA. 110+73.12
DRAVERON LANE STA. 20+12.12
LOGAN LANE STA. 110+73.12

LOGAN LANE

MATCH LINE STA. 125+00
SEE SHEET 4

LEGEND

- NEW ASPHALT CONCRETE PAVEMENT
- GRAVEL SURFACE
- EDGE OF ASPHALT CONCRETE PAVEMENT
- AS-BUILT CENTERLINE
- FLOW LINE
- RIGHT OF WAY
- CMP/CULVERT PIPE
- DRAINAGE FLOW DIRECTION
- OSSC - OPEN SD SURFACE BASE COURSE
- ACP - ASPHALT CONCRETE PAVEMENT
- 1:3 - EXISTING SLOPE
- DITCH 1 - STD. DESIGN TYPE 1 SEE DRAINAGE PLANS
- DITCH 2 - STD. DESIGN TYPE 2 SEE DRAINAGE PLANS
- DITCH 3 - STD. DESIGN TYPE 3 SEE DRAINAGE PLANS

LOGAN LANE - ROAD CONSTRUCTION SECTION
NOT TO SCALE

NOTE
SEE NOTES AND SPECIFICATIONS SHEET 5

GRAPHIC SCALE

400' VC
LOW POINT ELEV = 433.23
LOW POINT STA = 111+63.28
PVI STA = 111+46.18
PVI ELEV = 439.30
A.D. = 7.94
K = 50.35

300' VC
HIGH POINT ELEV = 447.93
HIGH POINT STA = 117+12.77
PVI STA = 116+00.00
PVI ELEV = 445.00
A.D. = 4.00
K = 75.14

200' VC
PVI STA = 118+75
PVI ELEV = 444.20
A.D. = -7.80
K = 25.56

PVI STA = 120+64.71
PVI ELEV = 428.40
A.D. = 3.40
K = 29.45

100' VC

PVI STA = 123+25.74
PVI ELEV = 398.79
A.D. = 3.08
K = 32.42

100' VC

24" CMP
CROSS SLOPE
HANSTON
LOGAN

MATCH LINE STA. 110+73.12
SEE SHEET 2

MATCH LINE STA. 125+00
SEE SHEET 4

SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: PE9626
DATE ACCEPTED: 10-15-01
ACCOUNTANT ENTRIES: 10-15-01
PROJECT LANE MILES PUBLIC: 0.75
PROJECT LANE MILES PRIVATE: 1.25
CONSTRUCTION COST PER LANE MILE PUBLIC:
CONSTRUCTION COST PER LANE MILE PRIVATE:
PROJECT COMPLETED: NO YES
TO COUNTY ROADWAYS: NO YES
HOURS AND WORKING DISTRICTS PER LANE MILE:
PERMIT REQUIRED: NOR 77 2003
NORTH TEAM TRAVEL & B STATUS LANE
PAVED TO CONTRACTOR

CERTIFICATION

I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Spokane Specifications except as noted.

BORRIS DRAKE

Developer's Approval
10-15-01

These AS-BUILT drawings certify that the roads are constructed to the cross sections shown. Refer to DRAINAGE PLANS for design and as-built information of drainage structures.

RECORD DRAWINGS 9/01

CALL BEFORE YOU DIG! 1-800-456-8000

BY	REVISIONS	DATE	CHK	APPR	AS BUILT	TO ACCEPT

BENCH MARK DATUM
DW ASSUMED
ELEVATION 232.70

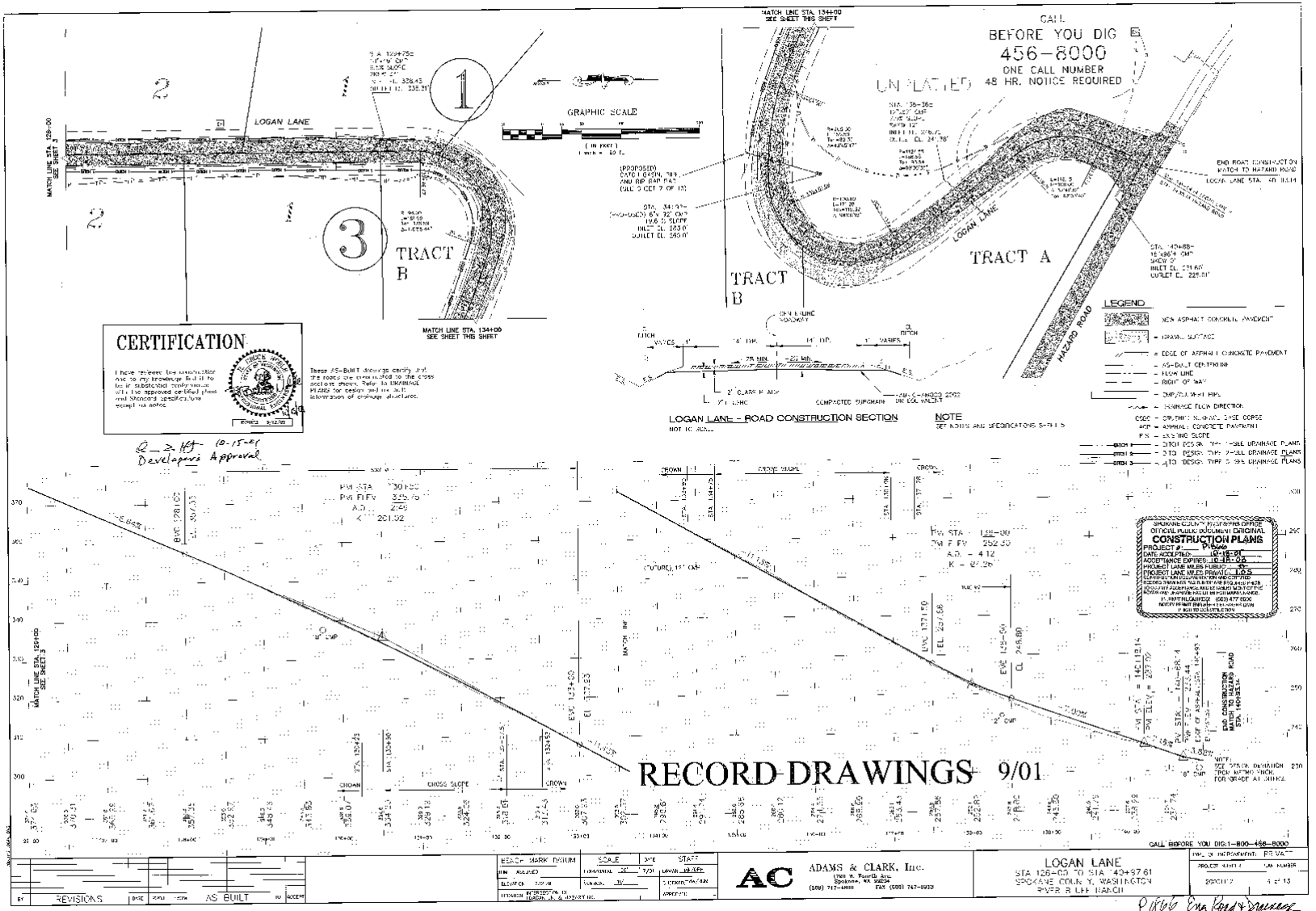
SCALE: HORIZONTAL 1" = 20' VERTICAL 1" = 10'
DATE 7/01
DRAWN BRC
CHECKED RBN
APPROVED

AC
ADAMS & CLARK, Inc.
1701 N. Ponderosa Dr.
Spokane, WA 99212
(509) 747-1800 FAX (509) 747-0810

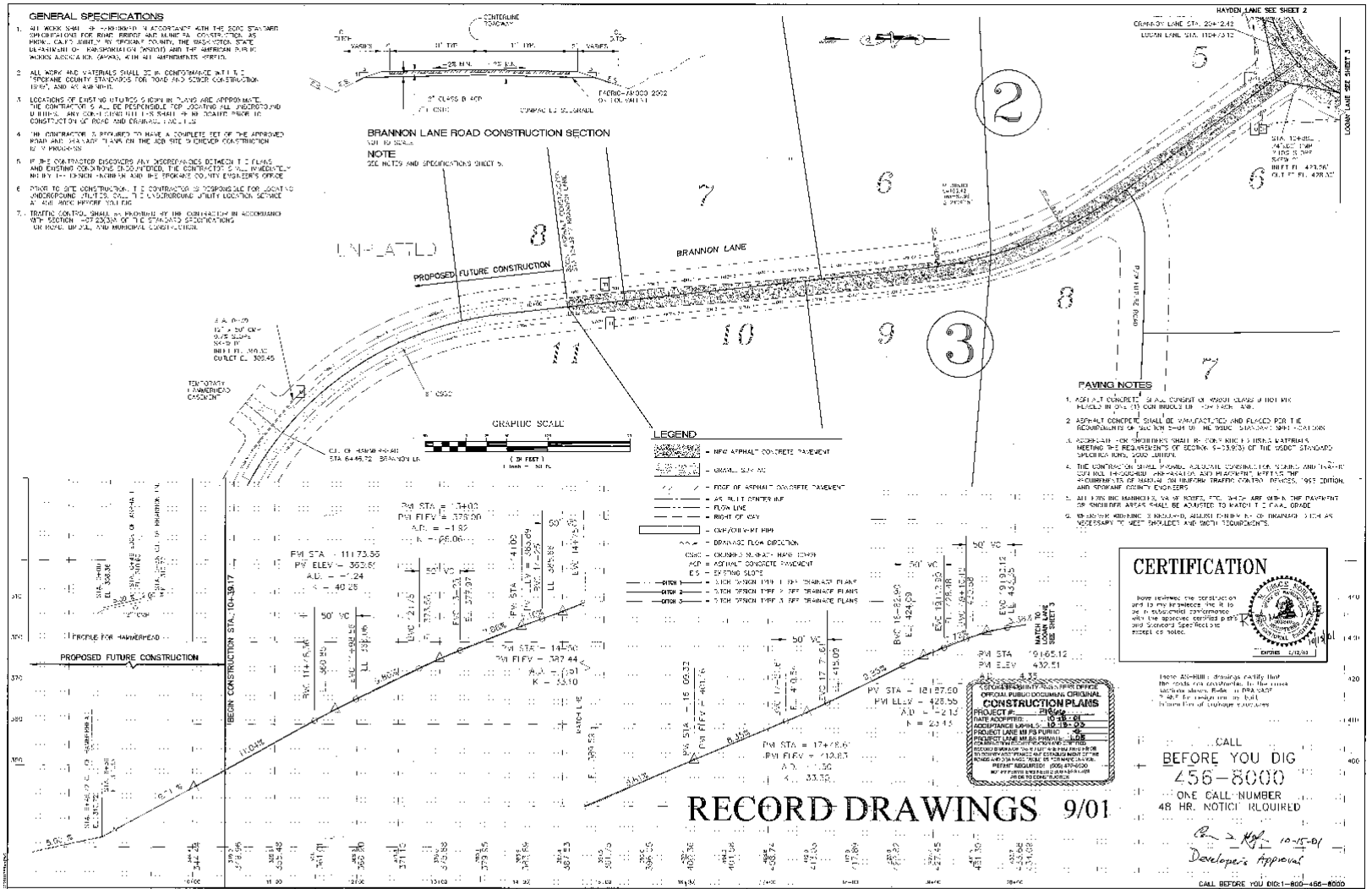
LOGAN LANE
STA 110+73.12 STA 125+00
SPOKANE COUNTY, WASHINGTON
RIVER BLUFF RANCH

TYPE OF IMPROVEMENT: PRIVATE
PROJECT NAME
PROJECT NUMBER
PE9626
SHEET 3 OF 13

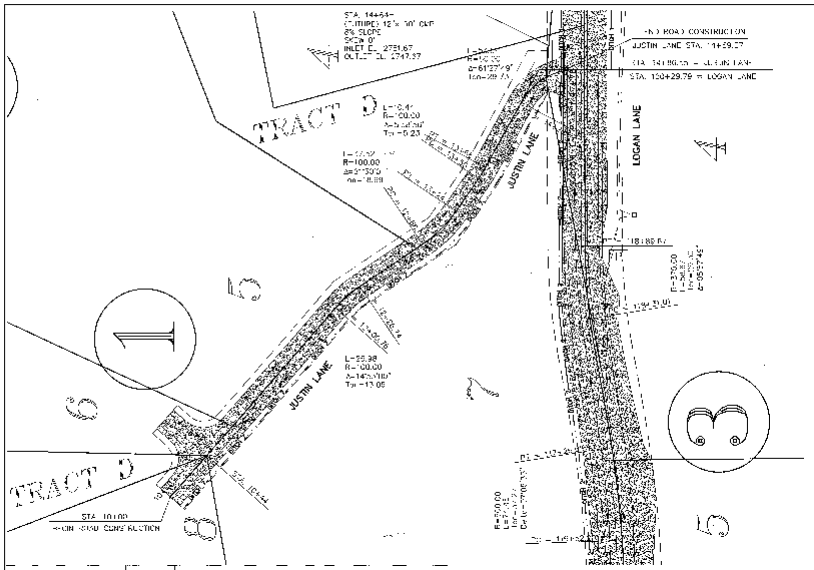
P 1866 Eng Road & Drainage



CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED
UNPLATTED
LOGAN LANE
TRACT A
TRACT B
HAZARD ROAD
GRAPHIC SCALE
MATCH LINE STA. 134+00 SEE SHEET THIS SHEET
MATCH LINE STA. 128+00 SEE SHEET 3
CERTIFICATION
These AS-BUILT drawings certify that the roads are constructed to the cross sections shown. Refer to DRAINAGE PLANS for design and as-built information of drainage structures.
LOGAN LANE - ROAD CONSTRUCTION SECTION
NOTE
LEGEND
NEW ASPHALT CONCRETE PAVEMENT
GRAVEL SURFACE
EDGE OF ASPHALT CONCRETE PAVEMENT
AS-BUILT CENTERLINE
FLOW LINE
RIGHT OF WAY
CMP/CULVERT PIPE
DRAINAGE FLOW DIRECTION
CSBC - CRUSHED SURFACE BASE COURSE
ACP - ASPHALT CONCRETE PAVEMENT
F.S. - EXISTING SLOPE
DITCH DESIGN TYPE 1-SEE DRAINAGE PLANS
DITCH DESIGN TYPE 2-SEE DRAINAGE PLANS
DITCH DESIGN TYPE 3-SEE DRAINAGE PLANS
SPOKANE COUNTY PROPERTIES OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1866
DATE ACCEPTED: 10-18-01
ACCEPTANCE EXPIRES: 10-18-03
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 1.05
RECORD DRAWINGS 9/01
CALL BEFORE YOU DIG:1-800-456-8000
REVISIONS
AS BUILT
BENCH MARK DATUM
SCALE
STAFF
ADAMS & CLARK, Inc.
LOGAN LANE
STA 126+00 TO STA 140+97.61
SPOKANE COUNTY, WASHINGTON
RIVER BLUFF RANCH
P1866 Eng Road & Drainage


GENERAL SPECIFICATIONS
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2002 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, AS PROVIDED CALLED JOINTLY BY SPOKANE COUNTY, THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA), WITH ALL AMENDMENTS HERETO.
2. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 1996", AND AS AMENDED.
3. LOCATIONS OF EXISTING UTILITIES SHOWN IN 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 AND THE SPOKANE COUNTY ENGINEER'S OFFICE.
6. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.
7. TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 1-07.23(3)A OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
BRANNON LANE ROAD CONSTRUCTION SECTION
NOTE
SEE NOTES AND SPECIFICATIONS SHEET 5.
HAYDEN LANE SEE SHEET 2
LOGAN LANE SEE SHEET 3
BRANNON LANE
PROPOSED FUTURE CONSTRUCTION
GRAPHIC SCALE
LEGEND
= NEW ASPHALT CONCRETE PAVEMENT
= GRAVEL SURFACE
= EDGE OF ASPHALT CONCRETE PAVEMENT
= AS BUILT CENTER LINE
= FLOW LINE
= RIGHT OF WAY
= CHECKPOINT PIPE
= DRAINAGE FLOW DIRECTION
= CRUSHED SURFACE TOP COURSE
= ASPHALT CONCRETE PAVEMENT
= EXISTING SLOPE
= DITCH DESIGN TYPE 1 FEE DRAINAGE PLANS
= DITCH DESIGN TYPE 2 FEE DRAINAGE PLANS
= DITCH DESIGN TYPE 3 FEE DRAINAGE PLANS
PAVING NOTES
1. ASPHALT CONCRETE SHALL CONSIST OF WSDOT CLASS B HOT MIX PLACED IN ONE (1) CON BRIDGE LIFT FOR EACH LANE.
2. ASPHALT CONCRETE SHALL BE MANUFACTURED AND PLACED PER THE REQUIREMENTS OF SECTION 5-04 OF THE WSDOT STANDARD SPECIFICATIONS.
3. AGGREGATE FOR SHOULDERS SHALL BE CONSTRUCTED USING MATERIALS MEETING THE REQUIREMENTS OF SECTION 9-03.9(3) OF THE WSDOT STANDARD SPECIFICATIONS, 2002 EDITION.
4. THE CONTRACTOR SHALL PROVIDE ADEQUATE CONSTRUCTION SIGNING AND TRAFFIC CONTROL THROUGHOUT PREPARATION AND PLACEMENT, MEETING THE REQUIREMENTS OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1993 EDITION, AND SPOKANE COUNTY ENGINEERS.
5. ALL FIXTURE MANHOLES, VALVE BOXES, ETC. WHICH ARE WITHIN THE PAVEMENT OR SHOULDER AREAS SHALL BE ADJUSTED TO MATCH THE FINAL GRADE.
6. WEEPER WIDENING IS REQUIRED, ADJUST DITCHES IN OR DRAINAGE DITCH AS NECESSARY TO MEET SHOULDER AND WIDTH REQUIREMENTS.
CERTIFICATION
Have reviewed the construction and to my knowledge, the it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.
EXPIRES 1/12/03
CONSTRUCTION PLANS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
PROJECT #: P1866
DATE ACCEPTED: 10-15-01
ACCEPTANCE EXPIRES: 10-15-03
PROJECT LANE MI PS PUBLIC
PROJECT LANE MI PS PRIVATE
PERMIT REQUIRED: (509) 477-4600
CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED
Developer's Approval
RECORD DRAWINGS 9/01
CALL BEFORE YOU DIG: 1-800-456-8000
REVISIONS
AS BUILT
BENCH MARK DATUM
SCALE
STAFF
AC
ADAMS & CLARK, Inc.
1720 E. Fourth Ave.
Spokane, WA 99201
(509) 747-4800 FAX (509) 747-0813
BRANNON LANE
STA 10+00 STA 20+12.42
SPOKANE COUNTY, WASHINGTON
RIVER BLUFF RANCH
TYPE OF IMPROVEMENT: PRIVATE
PROJECT NUMBER
PLAN NUMBER
P1866 Eng Road & Drainage

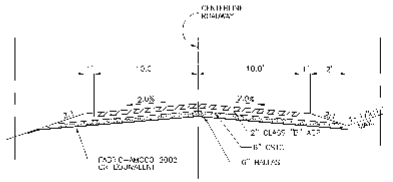
CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED



GRAPHIC SCALE

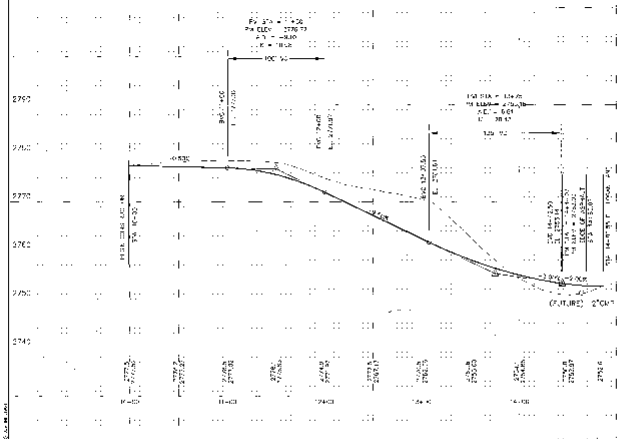
LEGEND

- NEW ASPHALT CONCRETE PAVEMENT
- OVERLAY ASPHALT
- EDGE OF ASPHALT CONCRETE PAVEMENT
- AS-BUILT CENTERLINE
- FLOW LINE
- RIGHT OF WAY
- CURB/GUTTER
- DRAINAGE FLOW DIRECTION
- CRSS = CRUSHED SURFACING TOP COURSE
- ACP = ASPHALT CONCRETE PAVEMENT
- E.G. = EXISTING GRADE
- DITCH 1 = DITCH DESIGN TYPE 1 SEE DRAINAGE PLANS
- DITCH 2 = DITCH DESIGN TYPE 2 SEE DRAINAGE PLANS
- DITCH 3 = DITCH DESIGN TYPE 3 SEE DRAINAGE PLANS
- DITCH 7 = DITCH DESIGN TYPE 7 SEE DRAINAGE PLANS



JUSTIN LANE ROAD CONSTRUCTION SECTION
NOT TO SCALE

NOTE
SEE NOTES AND SPECIFICATIONS SHEET 5.



CERTIFICATION

The design information shown in this set of plans and specifications conform to the applicable edition of the Spokane County Standards for Road and Sewer Construction and the Spokane County Guidelines for Stormwater Management. All designed deviations have been approved by the Spokane County Engineer. I approve these plans for construction.

STATE OF WASHINGTON
JOHN W. MOSER
JOHN W. MOSER
10/15/01
EXPIRES 4/4/02

Developer Approval
10-15-01

SPOKANE COUNTY LAND PLANNING OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P18644
DATE ACCEPTED 10-15-01
ACCEPTANCE EXPIRES: 10-15-03
PROJECT LANE MILES PUBLIC 0
PROJECT LANE MILES PRIVATE 1.08
ACCEPTANCE EXPIRES ONE YEAR FROM DATE OF ACCEPTANCE
PROJECT PARKING SPACES (BY PROJECT LANE MILES)
ROAD MAINTENANCE CHARGE PER SPOKANE COUNTY CODE
PERMIT REQUIRED BY: (208) 477-2000
MUST PERMIT DRAINAGE FACILITIES PRIOR TO CONSTRUCTION

CALL BEFORE YOU DIG:1-800-456-8000

BY	REVISIONS	DATE	ISSUED	BY	AS BUILT

BENCH MARK DATUM
DESCRIPTION
BY WHOM
DATE
LOCATION

SCALE
HORIZONTAL 1" = 20'
VERTICAL 1" = 10'
DATE 7/01
DRAWN MR/CDP
CHECKED RPN
APPROVED

AC
ADAMS & CLARK, inc.
1208 W. Fourth Ave.
Spokane, WA 99204
(509) 747-1988 FAX (509) 747-8928

JUSTIN LANE
STA 10+00 TO STA 14+86.07
SPOKANE COUNTY, WASHINGTON
RIVER BLUFF RANCH

TYPE OF INSTRUMENT: PRIVATE
NAME: CHRIS P. CARPENTER
PROJECT: 9-P-13

P18644 Original Drawings

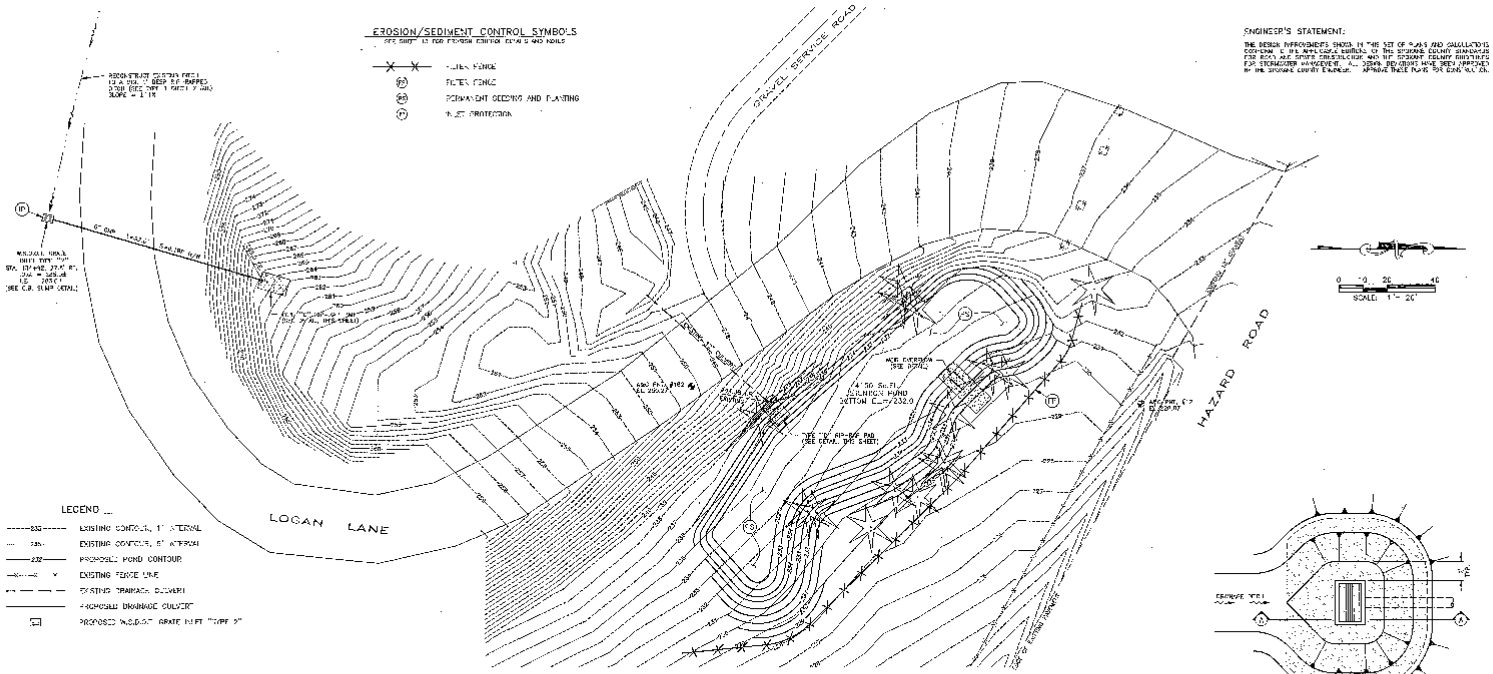
EROSION/SEDIMENT CONTROL SYMBOLS

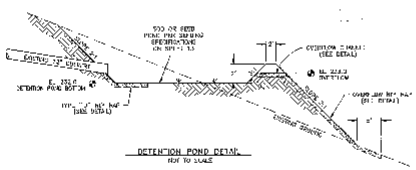
SEE SHEET 11 FOR EROSION CONTROL DETAILS AND NOTES

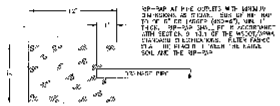
- SILT FENCE
- FILTER FENCE
- PERMANENT SEEDING AND PLANTING
- INLET PROTECTION

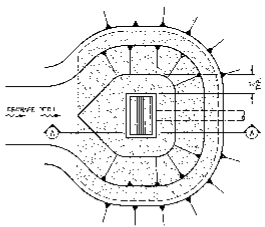
ENGINEER'S STATEMENT:

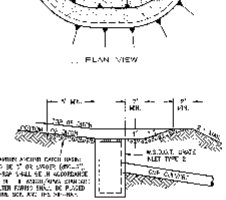
THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS COMPLY WITH APPLICABLE SECTIONS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND STORM CONSTRUCTION AND THE STORMWATER QUALITY MANUAL FOR STORMWATER MANAGEMENT. ALL ISSUES REQUIRING WAIVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. APPROVED WAIVE PLANS FOR ROAD WILL BE.

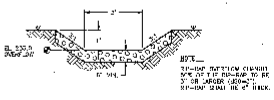


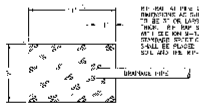












BENCHMARKS

1) ELEVATION = 2[illegible] FT. (ASSUMED) NAIL & CAP IN 12" PINE OVERFOR, BELOW
2) ELEVATION = 2[illegible] (ASSUMED) NAIL & CAP IN 12" PINE NAIL

CONSTRUCTION PLANS
PROJECT #: P1866
DATE ACCEPTED: 10-10-01
ACCEPTANCE EXPIRES: 10-10-03
PROJECT USING MEANS PUBLIC: [illegible]
PROJECT LAND MUST PRIVATE: [illegible]
SPOKANE COUNTY PUBLIC WORKS OFFICE
APPROVAL PUBLIC DOCUMENT ORIGINAL

DEVELOPER'S APPROVAL — DATE 9-20-01

CALL BEFORE YOU DIG 456-8050

METRO ENGINEERING, INC.
5 S. GOLF SHERMAN
SPOKANE, WA 99202
(509) 624-9351

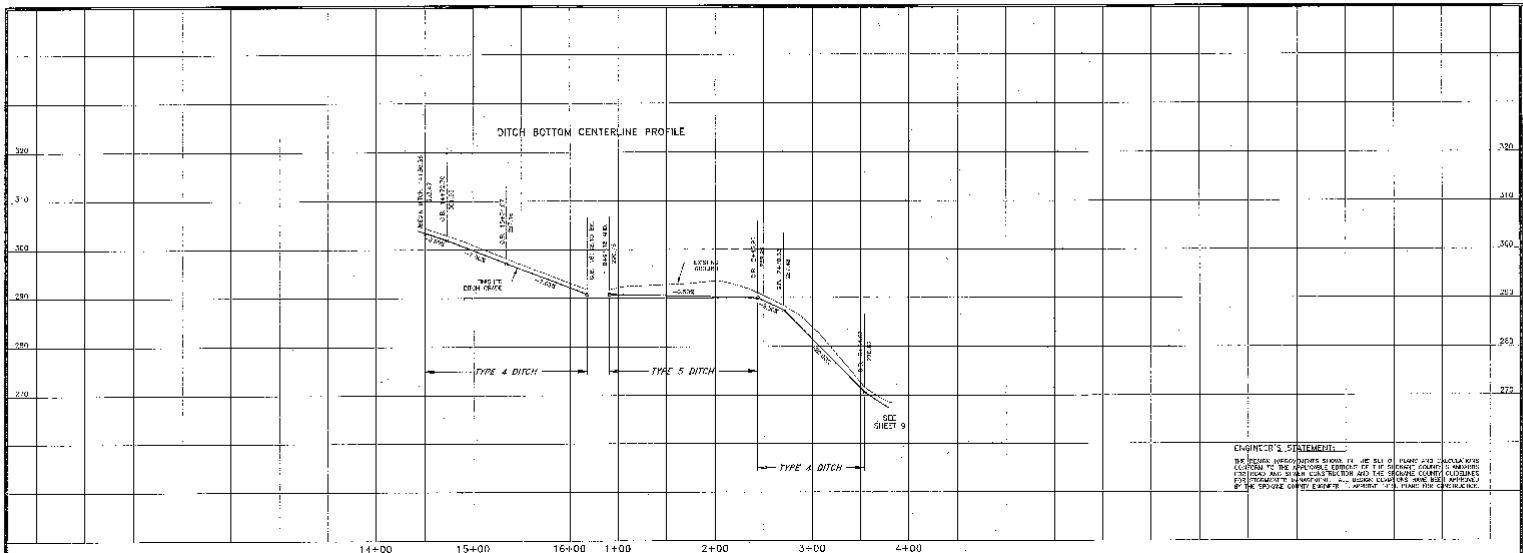
SCALE: 1" = 20'

DRAWN BY: JAD
CHECKED BY: JGL
DATE: 08/15/01
SCALE: AS SHOWN

RIVER BLUFF RANCH, PHASE 1
DRAINAGE BASIN "DF1"
DETENTION POND DESIGN

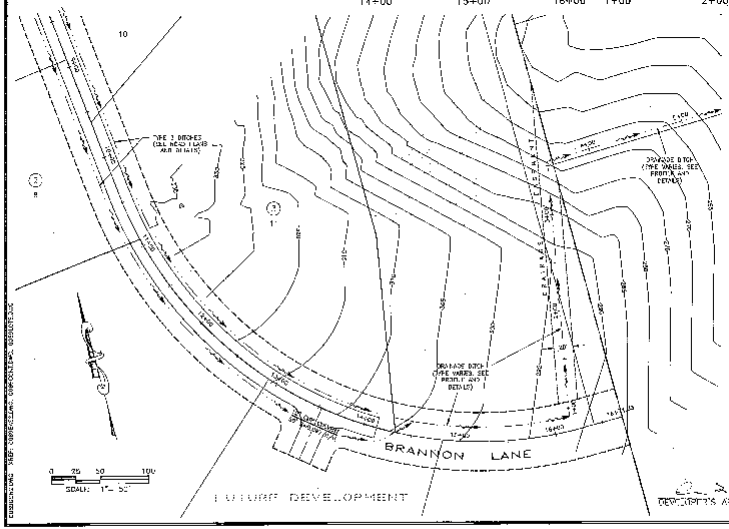
SHEET 7 OF 13
09-069

P1866 Eng Roads Drainage



ENGINEER'S STATEMENT:

THE DESIGN, INSPECTION AND SIGNING OF THE SITE PLANS AND CALCULATIONS CONFORM TO THE APPLICABLE CIRCULAR OF THE SPOKANE COUNTY ROADWAY STANDARDS AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ALL DESIGN ELEMENTS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. APPROVAL OF THIS PLAN FOR CONSTRUCTION.

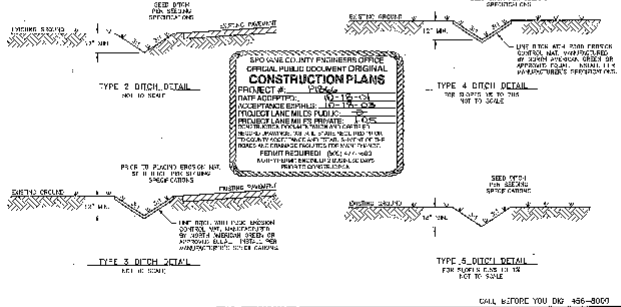


LEGEND

EXISTING CONTOUR, 5' INTERVAL

PROPOSED DITCH CENTERLINE

RIP-RAP DETAIL – TYPE "A"
(SEE DRAINAGE PLAN, SHEET 3)
NOT TO SCALE



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1866
DATE ACCEPTED: 10-15-03
ACCEPTANCE EXPIRES: 10-15-05
TROUGH LANE MILES PUBLIC: 0
TROUGH LANE MILES PRIVATE: 0.05
CONSTRUCTION PLAN MUST BE ON SITE
REGIONAL WATERWAY, RIP RAP, WORK WITHIN THE FLOOD PLAIN, TRIBUTARY WATERWAY, WETLAND, SLOPE OF THE ROAD, DRAINAGE FACILITIES FOR NEW TRAFFIC
PERMIT REQUIRED (WDFW, WDOE, ACOE, NOAA-FISHERIES, ENGINEER, PUBLIC WORKS, PARKS, OTHERS)

DEVELOPMENTS APPROVAL — DATE 9-20-01

CALL BEFORE YOU DIG 456-8000

METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-3351

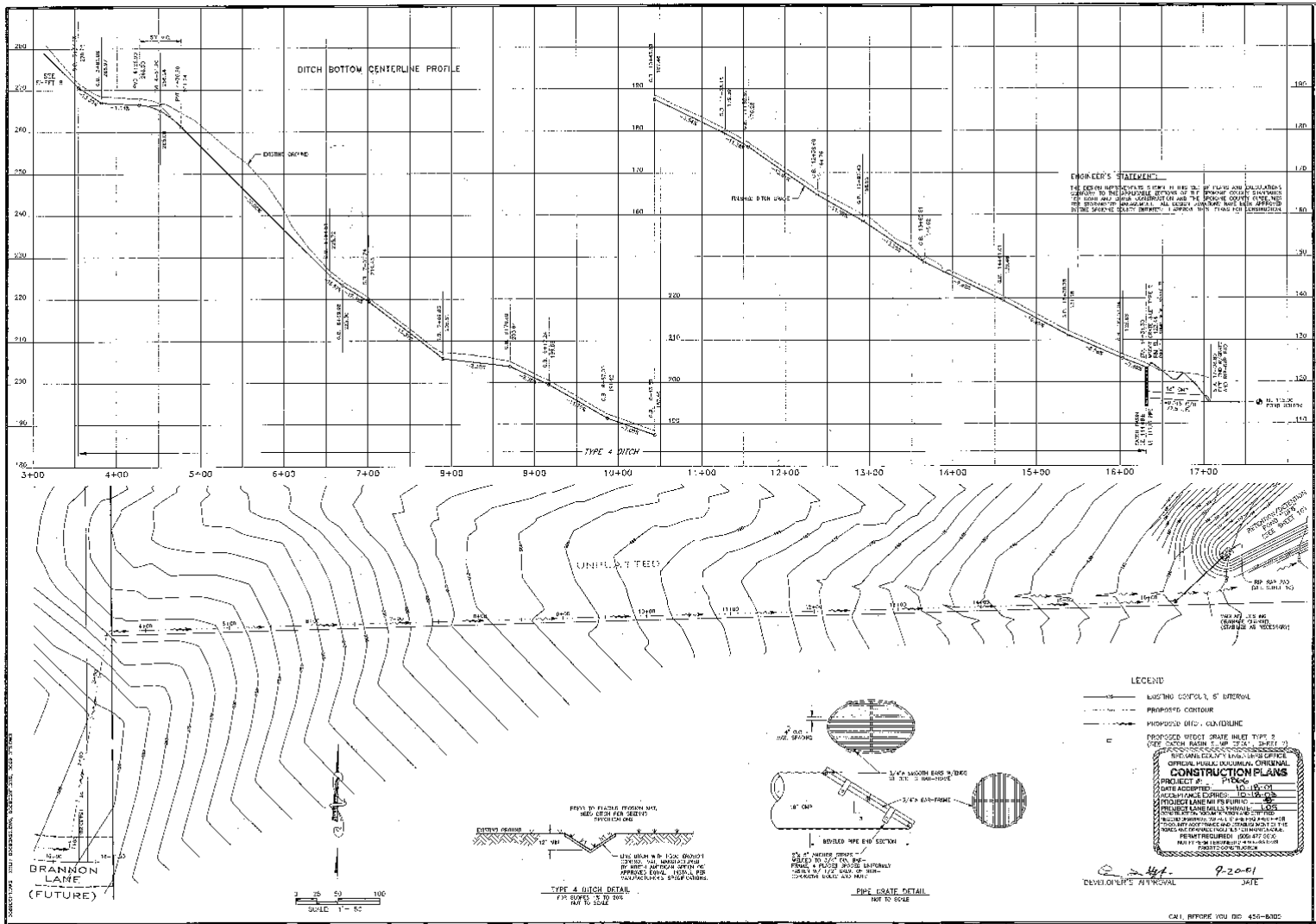
REVISED 2-6-04

DRAWN BY: JKN
CHECKED BY: JJC
DATE: 29/7/01
SCALE: AS SHOWN

RIVER BLUFF RANCH, PHASE 1
BASIN "DF8" DITCH
PLAN, PROFILE & DETAILS

SHEET 8 OF 13
CD-069

P1866 Eng Cost & Drawings



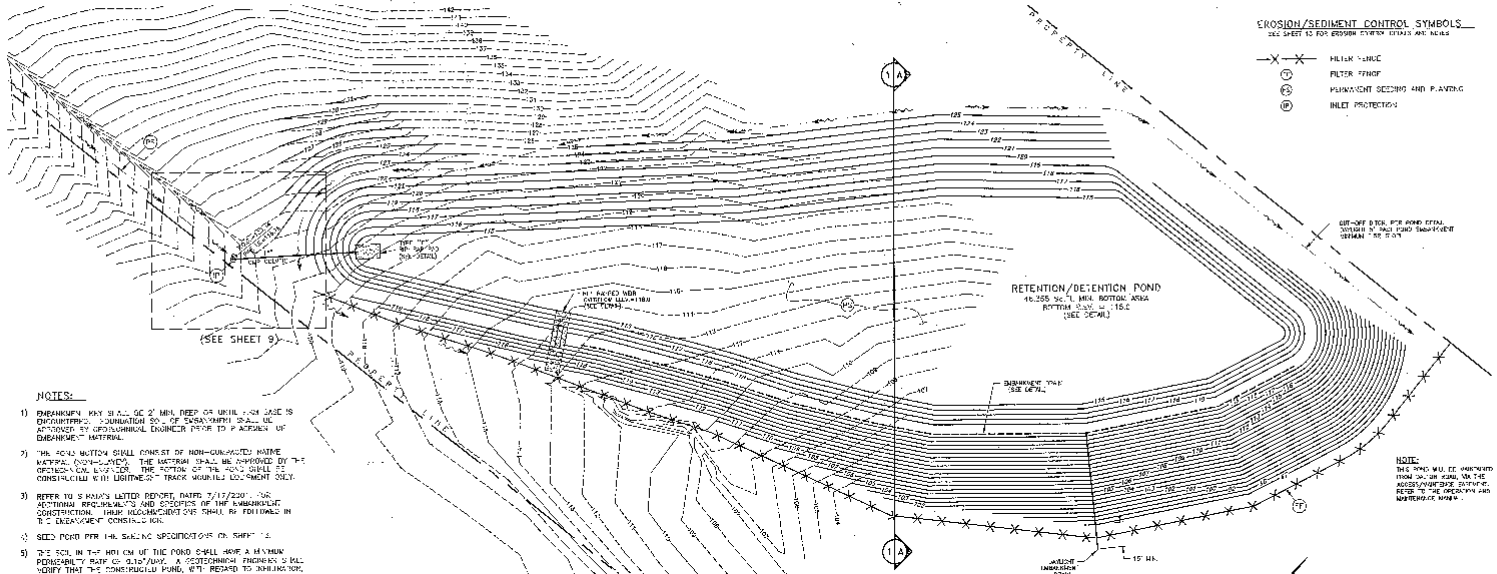
METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-9351

DRAWN BY: JDO
CHECKED BY: JDL
DATE: 08/22/01
SCALE: AS SHOWN

RIVER BLUFF RANCH, PHASE 1
BASIN "DF8" DITCH
PLAN, PROFILE & DETAILS

SHEET 9 OF 13
00-069

P1866 Eng Road & Drainage



NOTES:

1) EMBANKMENT MAY BE ALL OF 2' MIN. DEEP OR UNTIL FIRM BASE IS ENCOUNTERED. FOUNDATION SOIL OF EMBANKMENT SHALL BE APPROVED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF EMBANKMENT MATERIAL.

2) THE POND BOTTOM SHALL CONSIST OF NON-COMPACTED NATIVE MATERIAL (NON-COMPACTED). THE MATERIAL SHALL BE APPROVED BY THE OPERATION AND MAINTENANCE. THE BOTTOM OF THE POND SHALL BE CONSTRUCTED WITH LONGITUDINAL TRACK MOUNTED EQUIPMENT ONLY.

3) REFER TO SHANNON WATER REPORT, DATED 7/11/2001, FOR ADDITIONAL REQUIREMENTS AND SCOPES OF THE EMBANKMENT CONSTRUCTION. THOSE RECOMMENDATIONS SHALL BE FOLLOWED IN THE EMBANKMENT CONSTRUCTION.

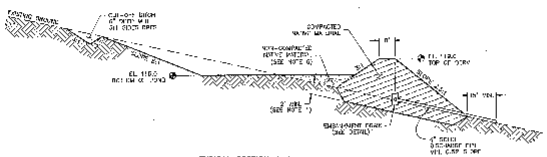
4) SEED POND PER THE SEEDING SPECIFICATIONS ON SHEET 13.

5) THE SOIL IN THE BOTTOM OF THE POND SHALL HAVE A MINIMUM PERMEABILITY RATE OF 0.10"/HRS. A GEOTECHNICAL ENGINEER SHALL VERIFY THAT THE CONSTRUCTED POND, WITH REGARD TO INFILTRATION, MEETS THE INTENDED DESIGN. CONTRACTOR SHALL KEEP THE GEOTECHNICAL ENGINEER INFORMED OF THE CONSTRUCTION SCHEDULE.

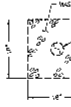
LEGEND

- EXISTING CONTOUR, 1' INTERVAL
- EXISTING CONTOUR, 5' INTERVAL
- PROPOSED POND CONTOUR
- PROPOSED BATCH LINE
- EXISTING FLOW DIRECTION
- PROPOSED EMBANKMENT DRAIN (PERFORATED)
- PROPOSED EMBANKMENT DRAIN (SD. 3)
- PROPOSED WSDOT GRATE INLET TYPE 2 (SEE CATCH BASIN DETAIL, SHEET 7)

SCALE: 1" = 20'

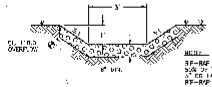


TYPICAL SECTION A-A
"RETENTION/DETENTION POND "DF8" A-A
NOT TO SCALE



EMBANKMENT DRAIN SECTION
NOT TO SCALE

RIP RAP DETAIL - TYPE "E"
NOT TO SCALE



EMERGENCY OVERFLOW CHANNEL
NOT TO SCALE

NOTE:
RIP-RAP OVERFLOW CHANNEL SIZE OF THE RIP RAP TO BE 1.5 TO LARGER (WSDOT).
RIP-RAP SHALL BE 2' THICK.

BENCHMARK
ELEVATION = 1248.28 (ASSUMED)
MONUMENT # 2.2000 FOUND, 0.9'W. 4.5'S. WEST OF POND SALE

SPOKANE COUNTY ENGINEERS
CONDITIONAL PLAN IS DISAPPROVED
ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 1-1/6-00
DATE ACCEPTED: 10-18-01
ACCEPTANCE EXPIRES: 10-18-03
PROJECT LAND MUST BE PUBLIC: NO
PROJECT MAINTAINED BY: HOA
ONLY CONSTRUCTION OF IMPROVEMENTS SHOWN ON THESE PLANS IS APPROVED. ALL OTHER IMPROVEMENTS SHOWN ON THESE PLANS ARE NOT APPROVED. PLANS MUST BE RESUBMITTED FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
PARTIAL APPROVAL (SEE CONDITIONS) NOT APPROVED
PRIVATE ENGINEER PLAN REVIEWER
DEVELOPER APPROVAL 9-20-01
DATE

ENGINEER'S STATEMENT:
THE DESIGN REPRESENTED HEREIN IS IN LIEU OF PLANS AND CALCULATIONS SUBMITTED TO THE APPROPRIATE REVIEWER OF THE SPOKANE COUNTY STORMWATER MANAGEMENT MANUAL. ALL DESIGN CONSTRUCTION HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. I APPROVE THESE PLANS FOR CONSTRUCTION

CALL BEFORE YOU DIG 456-6300

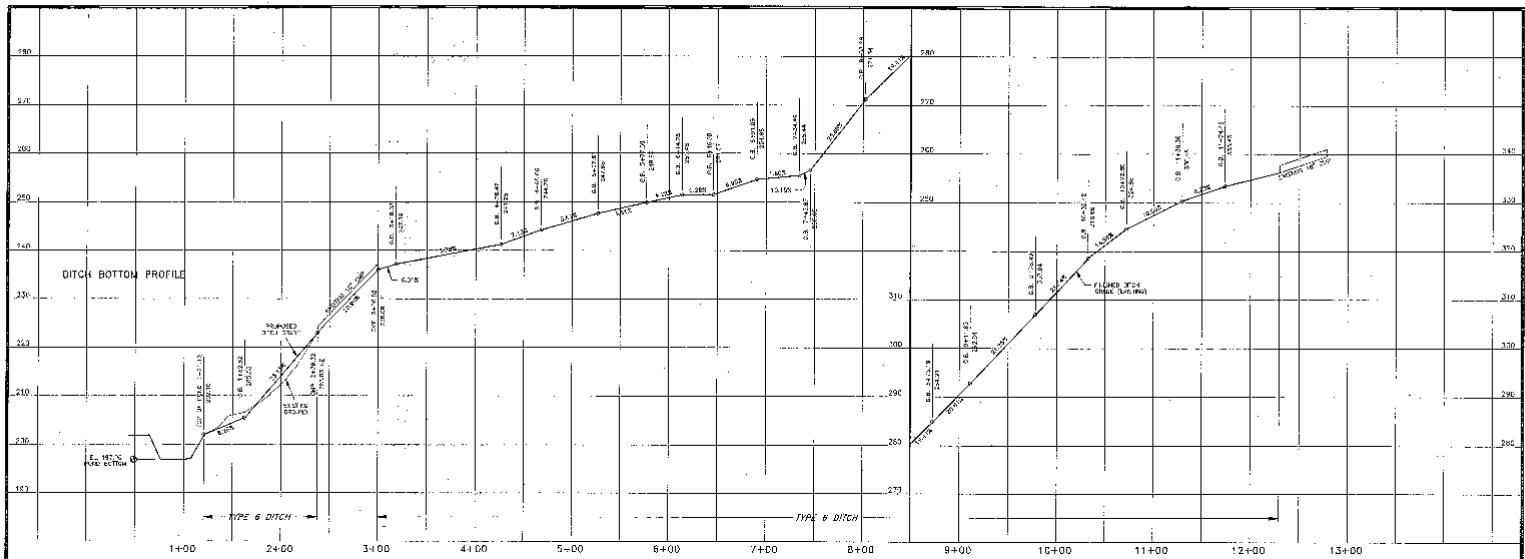
METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-9351

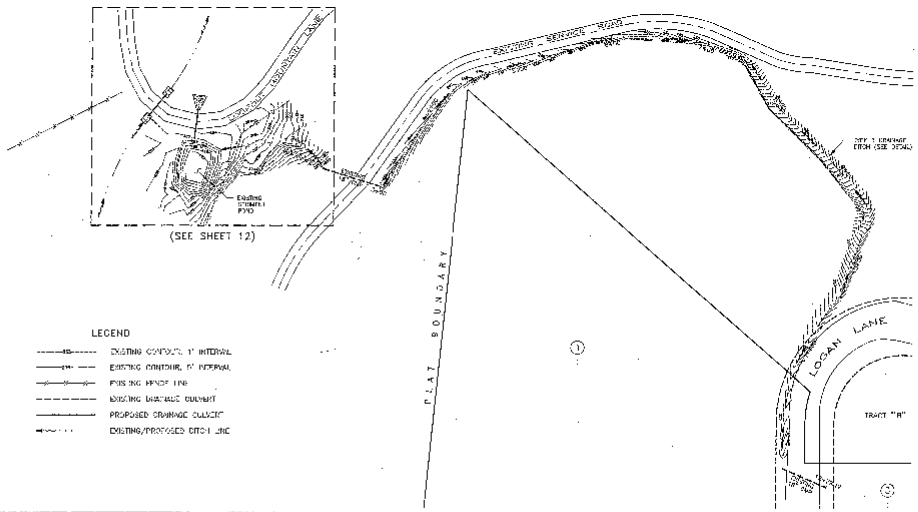
RIVER BLUFF RANCH, PHASE 1
DRAINAGE BASIN "DF8"
RETENTION/DETENTION POND DESIGN

SHEET
10 OF 13
00-069

DRAWN BY: KO
CHECKED BY: JGL
DATE: 09/18/01
SCALE: AS SHOWN

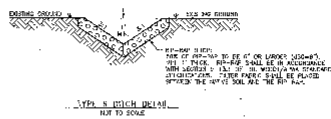
P 1516 Eng Pond Drainage





ENGINEER'S STATEMENT:

THE DESIGN IMPROVEMENTS SHOWN ON THIS SET OF PLANS AND DETAILS CONFORM TO BEST ENGINEERING PRACTICE, STANDARDS OF THE SPOKANE COUNTY ENGINEERS FOR ROAD AND SEWER CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ALL DRAINAGE IMPROVEMENTS WERE DESIGNED BY THE SPOKANE COUNTY ENGINEER. APPROVED SITE PLANS FOR CONSTRUCTION.



TYPE 5 DITCH DETAIL
NOT TO SCALE

TYPE 7 DITCH (South Side of Justin Lane)
NOT TO SCALE

ORIGINAL DOCUMENT ON FILE WITH THE SPOKANE COUNTY OFFICIAL PUBLIC DOCUMENT ORIGINAL

CONSTRUCTION PLANS

PROJECT #: PL06-0
DATE ACCEPTED: 10-19-06
ACCUMULATIVE EXPIRED: 10-19-08
PROJECT LAND MISS PUB C: 0
PROJECT LAND MISS PRIVATE: 1.03
CONDITIONS DEVELOPER MUST MEET:
NOT IN FLOODPLAIN. DEVELOPER ARE RESPONSIBLE FOR ALL "FLOOD RISK" ACCEPTANCE AND OWNERSHIP WITH "OTHER" THE ROADS AND STORMWATER FACILITIES "OTHER" MAINTENANCE.
PERMIT REQUIRED: (509) 477-3600
NO PERMITS ENGINEERING PLANS SHALL BE ISSUED UNTIL ON DEVELOPER CONSTRUCTION

DEVELOPER'S APPROVAL — 9-20-01 DATE

CALL BEFORE YOU DIG 456-8300

METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-9351

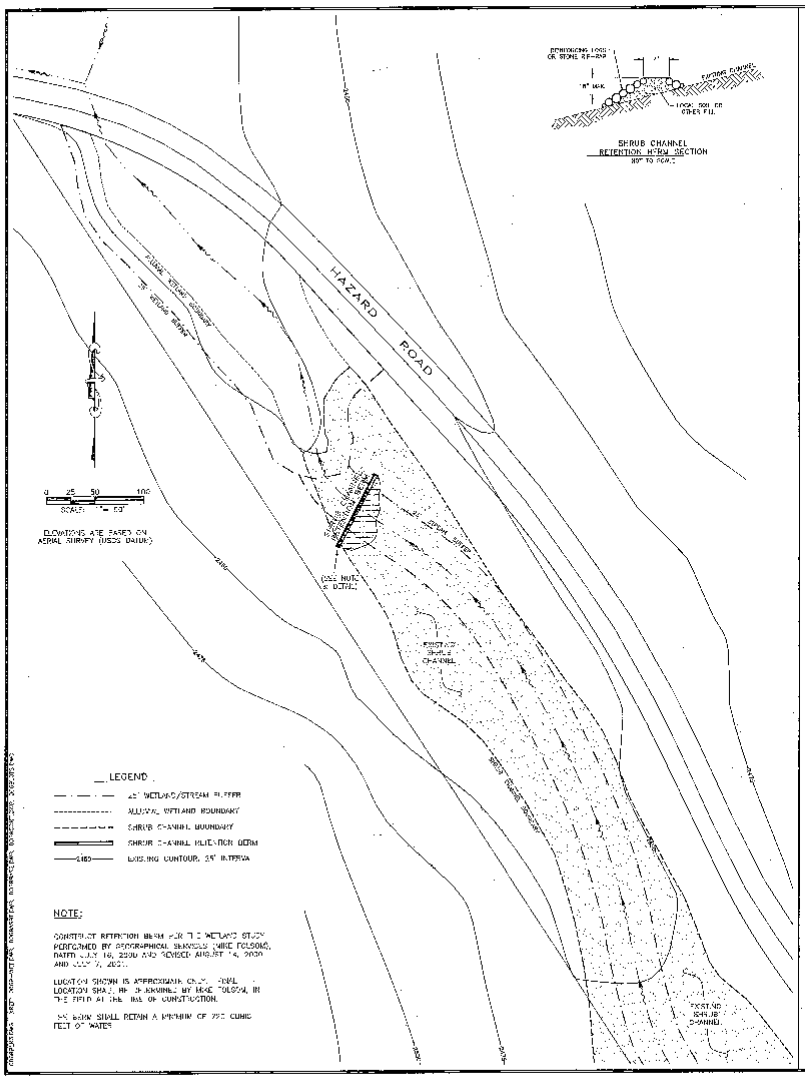
REVISED 8-27-01

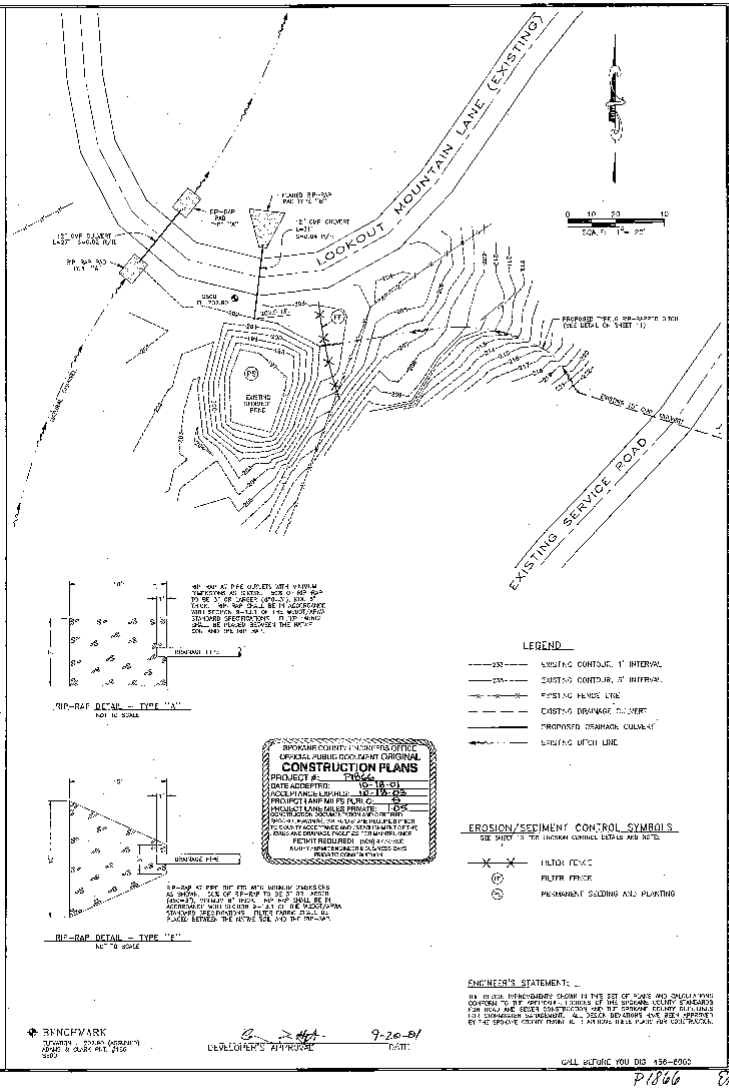
DRAWN BY: JJC
CHECKED BY: JDL
DATE: 09/13/01
SCALE: AS SHOWN

RIVER BLUFF RANCH, PHASE 1
BASIN "DF2" DITCH
PLAN, PROFILE & DETAILS

SHEET 11 OF 13
00-059

P 1866 Eng Road's Drainage





METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-5351

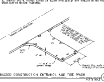
DRAWN BY: JKO
CHECKED BY: JCL
DATE: 07/27/01
SCALE: AS SHOWN

RIVER BLUFF RANCH, PHASE 1
DRAINAGE BASIN "DF2"
SEDIMENT POND/CULVERT PLAN

SHEET
12 OF 13
00-069

CALL BEFORE YOU DIG 456-6000

P1866 Engineering & Drainage

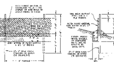


STABILIZED CONSTRUCTION ENTRANCE AND TIRE WASH (CE)

NOT TO SCALE

PERMANENT SEEDING/SEED SPECIFICATIONS (PS)

CODE: (FF) SYMBOL: —X—X—X—



FILTER FENCE (FF)

NOT TO SCALE

CODE: (IP)

INLET PROTECTION (IP)

EROSION & SEDIMENT CONTROL NOTES:

ENGINEER'S STATEMENT:

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO THE 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.

9-20-01

DEVELOPER'S APPROVAL DATE

SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #:
DATE ACCEPTED: 10-18-01
ACCEPTANCE EXPIRES:

CALL BEFORE YOU DIG 456-8000

P 1866

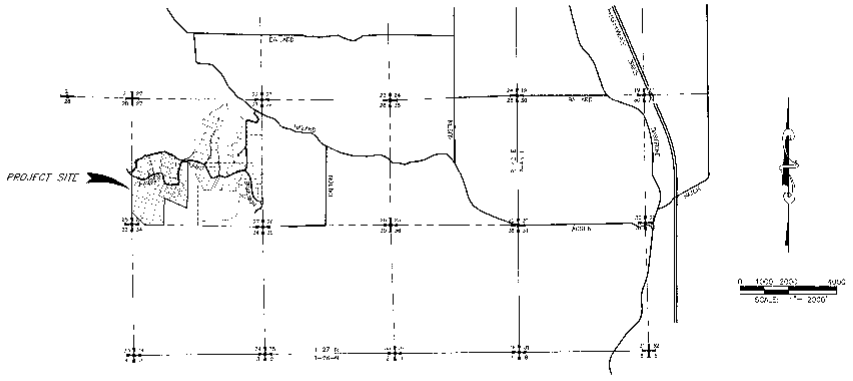
Eng Roads & Drainage

METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-8351

RIVER BLUFF RANCH, ~~PHASE 1~~
EROSION/SEDIMENT CONTROL
NOTES AND DETAILS

SHEET 13 OF 13

02-062



PROJECT/VICINITY MAP

PORTIONS OF WEST 1/2 OF SEC. 27 AND EAST 1/2 OF SEC. 28, T. 27 N., R. 42 E. W.M., SPOKANE COUNTY, WASHINGTON

SHEET INDEX

1 COVER SHEET

2 LOOKOUT MOUNTAIN LANE – STREET PLAN & PROFILE – Sta. 1+00.00 to Sta. 2+60.39

3 HAYDEN LANE EXTENSION – STREET PLAN & PROFILE – Sta. 1+80.18 to Sta. 15+00.00

4 HAYDEN LANE EXTENSION – STREET PLAN & PROFILE – Sta. 15+00.00 to Sta. 28+97.60

5 HAYDEN LANE EXTENSION – STREET PLAN & PROFILE – Sta. 28+97.60 to Sta. 42+50.00

6 HAYDEN LANE EXTENSION – STREET PLAN & PROFILE – Sta. 42+50.00 to Sta. 46+66.89

7 EROSION CONTROL PLAN and STREET DETAILS

BENCHMARK

[illegible]

PROJECT NOTES:

NAME OF PROPERTY OWNER:
RIVER BLUFF LAND COMPANY, LLC

NAME OF SURVEY AREA CORP.:
CARS (BETTS, MCCLEAN)
WARRINGTON 21 TC

NAME OF CONTACT PERSON AT PROJECT SITE:
C. TED BETTS
4401 W. LOOKOUT MTN. LANE #A
SPOKANE, WA 99208 Phone: 509 464-0123

PROJECT AREA SIZE:
TERMINATION OF HAYDEN LANE AT LOOKOUT MOUNTAIN LANE

DESCRIPTION OF PROJECT:
THIS PROJECT IS FOR THE PROVISION OF HAYDEN AVE TO JOIN THE RIVER BLUFF RANCH P.U.D.

DESCRIPTION OF EXISTING VEGETATION & SOIL INFORMATION:
THE SITE IS LOCATED ON MODERATE AND STEEPER SLOPES WHICH HAS BEEN GRAZED. THE EXISTING VEGETATION FOR THE SITE IS LIGHTLY TREED PINE AND DOUGLAS FIR FOREST.

LEGAL DESCRIPTION:

PORTIONS OF WEST 1/2 OF SECTION 27 AND EAST 1/2 OF SECTION 28, T. 27 N., R. 42 E. W.M., SPOKANE COUNTY, WASHINGTON.

ENGINEER'S STATEMENT:

THE DESIGN INFORMATION SHOWN ON THIS SET OF PLANS AND CALCULATIONS COMPLIES WITH THE APPLICABLE PORTIONS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND DRAINAGE 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.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1866
DATE ACCEPTED: 07-06-04
ACCEPTANCE EXPIRES: 07-07-06
PROJECT LANE MILES PUBLIC: N/A
PROJECT LANE MILES PRIVATE: 0.76
AS-BUILT RECORD DOCUMENTATION NOT REQUIRED
RECORD DRAWINGS, VARIANCES AND AS-BUILTS ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PRIVATE ENGINEER IF PLANS ARE NOT SIGNED PRIOR TO CONSTRUCTION

DEVELOPER'S APPROVAL 6-1-04 DATE

CALL BEFORE YOU DIG: 456-8000

P-1866

Eng Road + Drainage

METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-8351

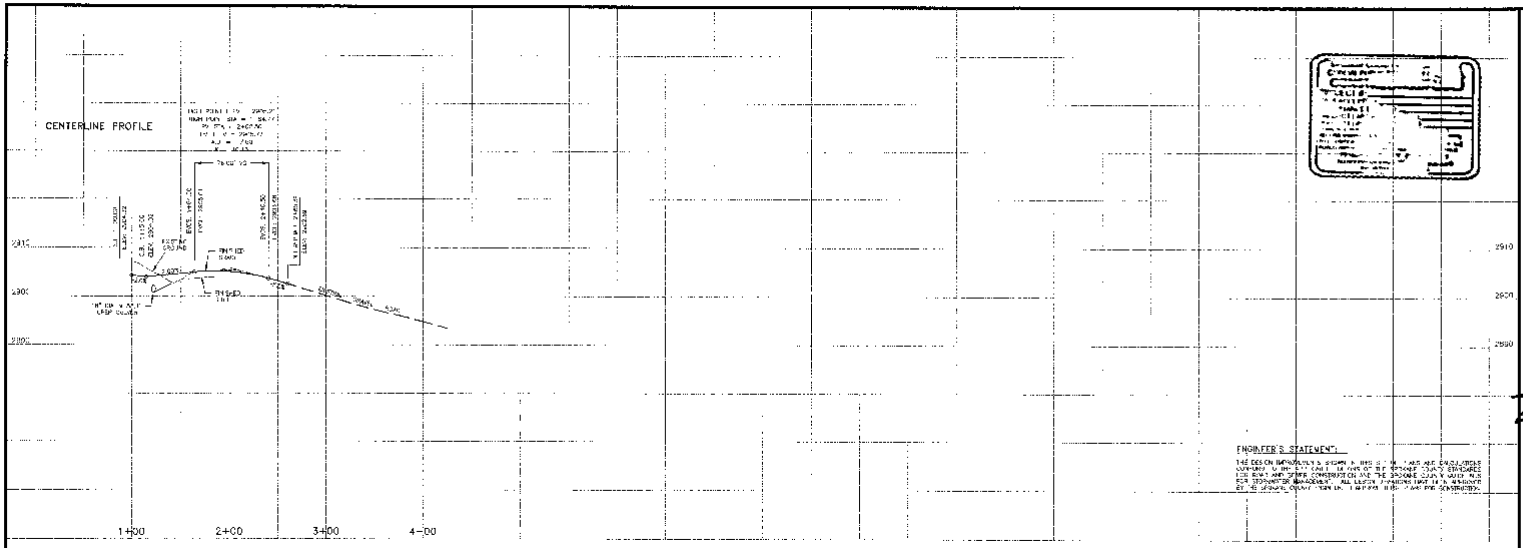
STATE OF WASHINGTON
NEIL G. LAND
REGISTERED PROFESSIONAL ENGINEER
6/1/04

DRAWN BY: JNG
CHECKED BY: JB
DATE: 05/01/04
SCALE: AS SHOWN

RIVER BLUFF RANCH P.U.D.
HAYDEN LANE EXTENSION
COVER SHEET

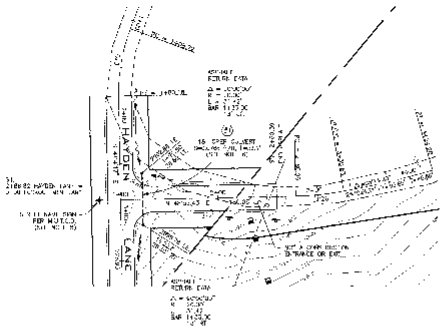
SHEET
1 of 7

02-093



ENGINEER'S STATEMENT:

THE DESIGN INFORMATION SHOWN ON THIS PLANS ARE CALCULATIONS [illegible] ARE CALCULATIONS [illegible] SPOKANE COUNTY STANDARDS FOR ROAD AND STREET CONSTRUCTION AND THE SPOKANE COUNTY WATER RESOURCES DEPARTMENT MANAGEMENT. ALL LISTED COMMENTS THAT ARE REQUIRED BY THE SPOKANE COUNTY [illegible] PLANS AND SUBMITTED.



CONSTRUCTION NOTES:

1. ALL STRUCTURE CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE SPOKANE COUNTY STANDARDS FOR ROAD AND STREET CONSTRUCTION AND THE SPOKANE COUNTY WATER RESOURCES DEPARTMENT MANAGEMENT. ALL LISTED COMMENTS THAT ARE REQUIRED BY THE SPOKANE COUNTY STANDARDS FOR ROAD AND STREET CONSTRUCTION AND THE SPOKANE COUNTY WATER RESOURCES DEPARTMENT MANAGEMENT.
2. LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND MUST BE VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ALL THE UNDERGROUND UTILITIES SHOWN ON THE PLANS AS PER RCW 19.122.15. ANY EXISTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
3. THE CONTRACTOR IS REQUIRED TO HAVE A COPY OF THE APPROVED PLAN AND DRAINAGE PLANS ON THE JOB SITE WHEN IN CONSTRUCTION OF THE PROJECT.
4. IF THE CONTRACTOR FINDS ANY DISCREPANCIES BETWEEN THE PLANS AND PHYSICAL CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND IT MUST NOTIFY THE ENGINEER'S OFFICE.
5. STREET NAME SIGN SHALL BE PER SPOKANE COUNTY STANDARD SHEET A-13
6. INSTALL RIP-RAP PAD AT BOTH SIDE OF ALL CULVERTS PER DETAIL SHEET

SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: [illegible]
DATE ACCEPTED: [illegible]
ACCEPTANCE EXPIRES: [illegible]
PROJECT LANE MILES PUBLIC: [illegible]
PROJECT LANE MILES PRIVATE: [illegible]
CONSTRUCTION MUST BE COMPLETED WITHIN [illegible] MONTHS OTHERWISE ENGINEER'S APPROVAL MAY BE REQUIRED PRIOR TO ACCEPTANCE AND ESTABLISHMENT OF THE ROADWAY AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED: (509) 477-3600
NOTIFY PERMIT ENGINEER 24 HOURS BEFORE PROJECT COMMENCES

LEGEND

- EXISTING CONTOUR, 10' INTERVAL
- EXISTING CONTOUR, 2' INTERVAL
- EXISTING EDGE OF GRAVEL ROAD
- PROPOSED EDGE OF ASP-A/T/GRAVEL SHOULDER
- PROPOSED 18" CMP CULVERT
- PROPOSED DITCH LINE
- EXISTING UTILITY WARNING SIGN
- EXISTING GAS VALVE
- EXISTING HIGH PRESSURE GAS MAIN
- EXISTING TELEPHONE RISER
- EXISTING ASPHALT EDGE
- CULVERT REFERENCE NUMBER

BENCHMARK

[illegible]

6-1-04
DEVELOPER'S AGENT SIGNATURE DATE

SECTIONS 27 & 28, T. 27 N., R. 42 E. W.M.

CALL BEFORE YOU DIG: 456-6000

SCALE: 1" = 50'

METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-9351

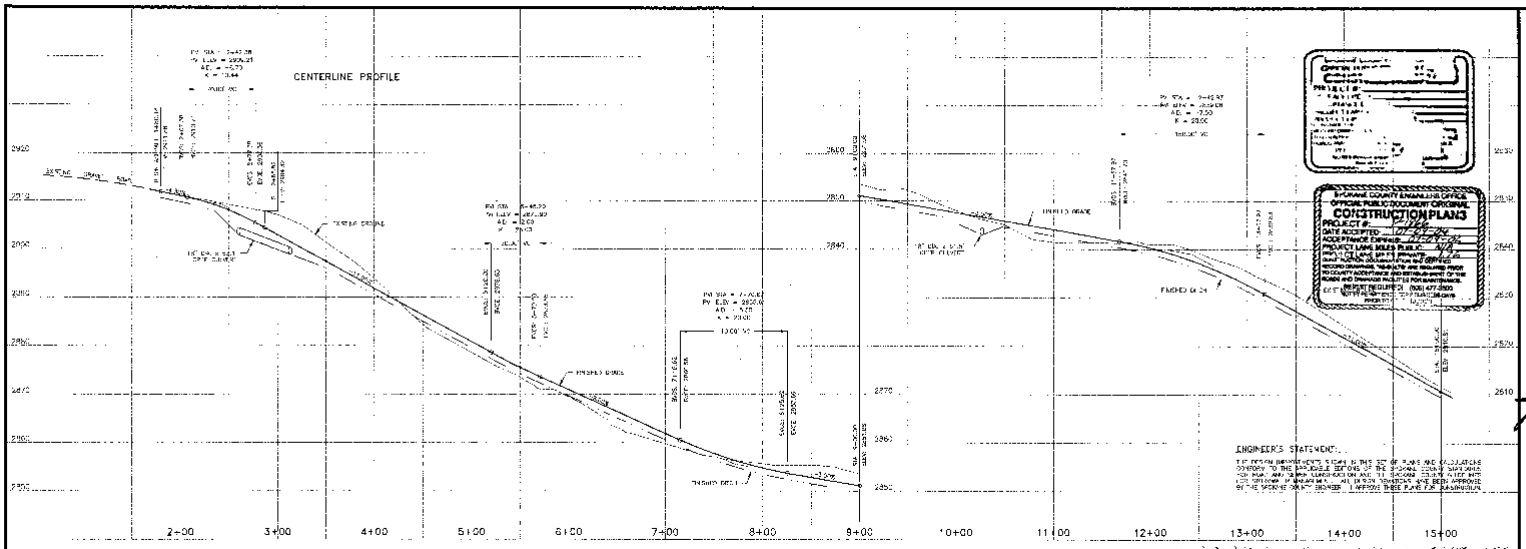
REVISED 6-10-04

DRAWN BY: JWG
CHECKED BY: FMS
DATE: 05/28/04
SCALE: AS SHOWN

RIVER BLUFF RANCH P.U.D.
LOOKOUT MOUNTAIN LANE INTERSECTION
Sta. 1+00 to Sta. 2+60.39

SHEET
2 OF 7
02-093

P-1866 Eng Rect Drainage



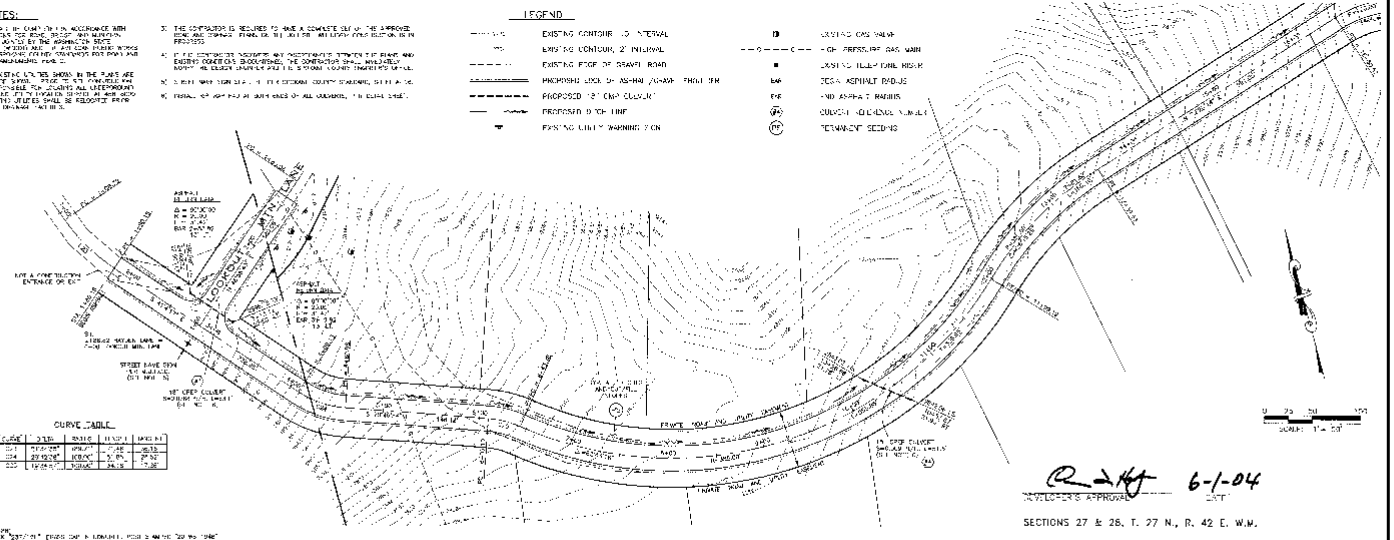
METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-9351

CONSTRUCTION NOTES:

1. ALL TEMS OF CONSTRUCTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL JURISDICTION'S SPECIFICATIONS FOR ROAD, DRAINAGE AND SEWER CONSTRUCTION AS PROMULGATED AND/OR BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND APPLICABLE PUBLIC WORKS ASSOCIATION (APWA) 1994 ED. STANDARD SPECIFICATIONS FOR ROAD AND SEWER CONSTRUCTION AND ALL AMENDMENTS THERETO.
2. LOCATIONS OF PROPOSED AND EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE UNLESS OTHERWISE SHOWN. PRIOR TO STA CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE IMPROVEMENTS.
3. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON SITE DURING CONSTRUCTION.
4. THE CONTRACTOR SHOULD BE ADVISED TO EXERCISE ALL PRECAUTIONS TO PROTECT EXISTING IMPROVEMENTS. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING IMPROVEMENTS OR UTILITIES.
5. ALL WORK SHALL BE IN ACCORDANCE WITH SPOKANE COUNTY STANDARDS, SECTION 4.06.
6. FINAL AS-BUILT PLANS SHALL BE PROVIDED TO THE COUNTY ENGINEER.

LEGEND

EXISTING CONTOUR, 10' INTERVAL	EXISTING GAS VALVE
EXISTING CONTOUR, 2' INTERVAL	EXISTING HIGH PRESSURE GAS MAIN
EXISTING EDGE OF GRAVEL ROAD	EXISTING TELEPHONE RISER
PROPOSED EDGE OF ASPHALT ROADWAY FINISH GRADE	EAR EDGE ASPHALT ROADWAY
PROPOSED 12" CMP CULVERT	EAR END ASPHALT RADIUS
PROPOSED DITCH LINE	CULVERT IDENTIFICATION NUMBER
EXISTING UTILITY WARNING TAPE	TEMPORARY BENCHMARK



CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	DEGREE
C1	17°21'28"	400.00'	121.18'	14°33'
C2	20°15'26"	400.00'	141.41'	14°33'
C3	14°28'41"	300.00'	75.78'	19°06'

BENCHMARK

DESCRIPTION: SPOKANE COUNTY BRASS MARK "SPOKANE" (PUBLISHED ELEV. 2,000.00 NAVD 88) LOCATED ALONG NORTH SIDE OF MUTTER PARKWAY IN THE SW 1/4 OF SEC 1/4 SECTION 3-25-42

6-1-04
DEVELOPER'S APPROVAL DATE

SECTIONS 27 & 28, T. 27 N., R. 42 E. W.W.

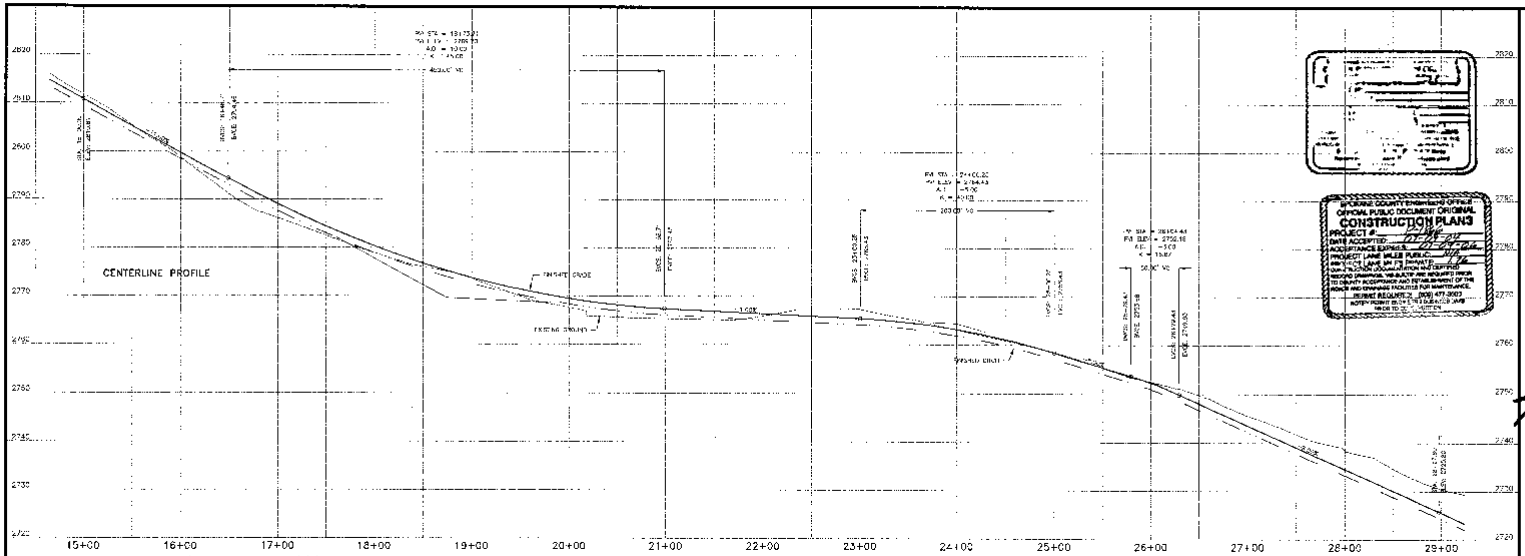
CALL BEFORE YOU DIG: 456-8000

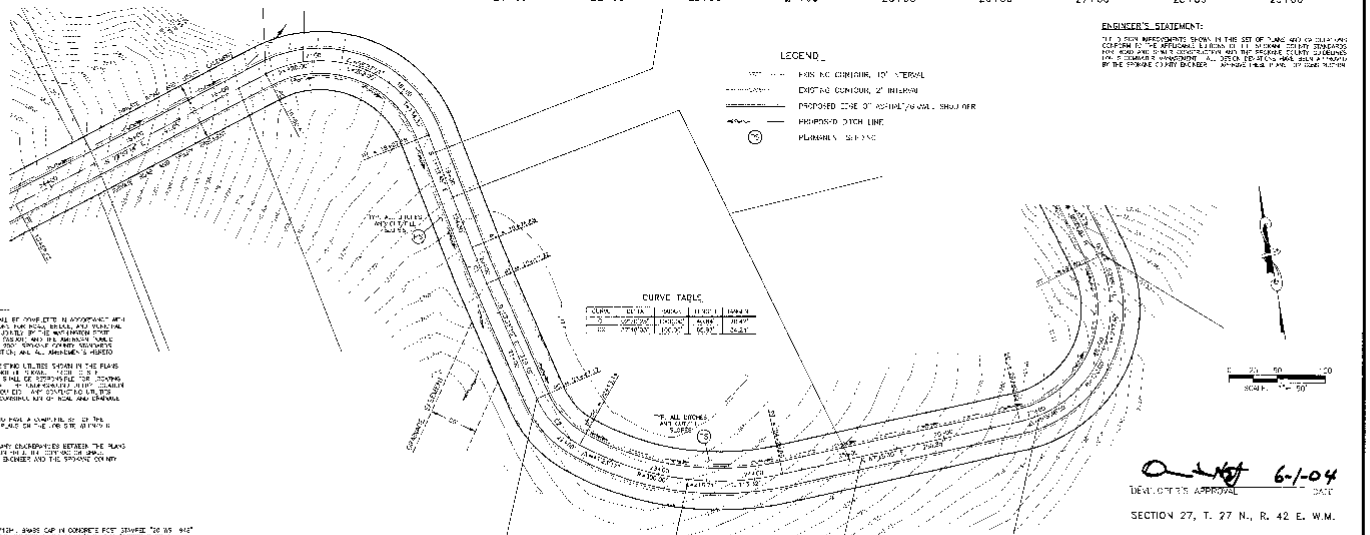
DRAWN BY: JMO
CHECKED BY: RWL
DATE: 05/31/04
SCALE: AS SHOWN

RIVER BLUFF RANCH P.U.D.
HAYDEN LANE EXTENSION
Sta. 1+80.18 to Sta. 15+00.00

SHEET
3 of 7
02-093

P-1846 Eng Road & Drainage





ENGINEER'S STATEMENT:

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND SPECIFICATIONS CONFORM TO THE APPLICABLE ELEMENTS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND DRAINAGE CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ANY DEVIATIONS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. APPROVAL HERE OF DOES NOT CONSTITUTE

CONSTRUCTION NOTES:

1) ALL TYPE OF CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE SPOKANE COUNTY STANDARDS FOR ROAD, BRIDGE, AND STRUCTURE CONSTRUCTION AS PROVIDED FOR BY THE MANUAL FOR PUBLIC WORKS, EXCEPT AS MODIFIED BY THE PLANS AND SPECIFICATIONS. ADDITIONAL REQUIREMENTS MAY BE REQUIRED FOR ROAD AND DRAIN CONSTRUCTION, AS ALL AMENDMENTS ADOPTED.

2) LOCATIONS OF PROPOSED AND EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT BE ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED AT A COST TO THE CONTRACTOR.

3) THE ENGINEER IS REQUIRED TO MAKE A CONFORMANCE TEST OF THE ROADWAY, DRAINAGE, PLANS OR THE ROADWAY PRIOR TO CONSTRUCTION IS IN PROGRESS.

4) IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS, HE SHALL NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY ENGINEER'S OFFICE.

BENCHMARK

SECTION 27, T. 27 N., R. 42 E. W.M.

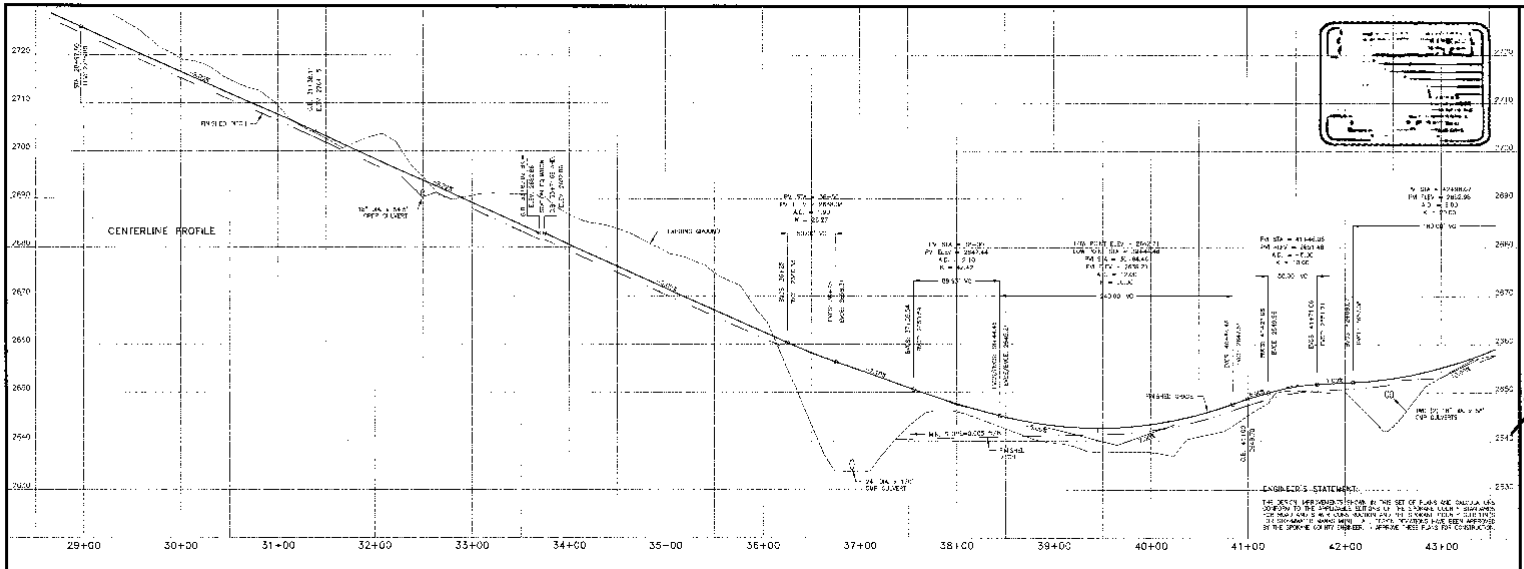
P-1866 Eng Road-Drainage

METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-9351

DRAWN BY: JWC
CHECKED BY: JWC
DATE: 05/20/04
SCALE: AS S. OWN

RIVER BLUFF RANCH P.U.D.
HAYDEN LANE EXTENSION
Sta. 15+00.00 to Sta. 28+97.60

SHEET
4 OF 7
02-093



CONSTRUCTION NOTES:

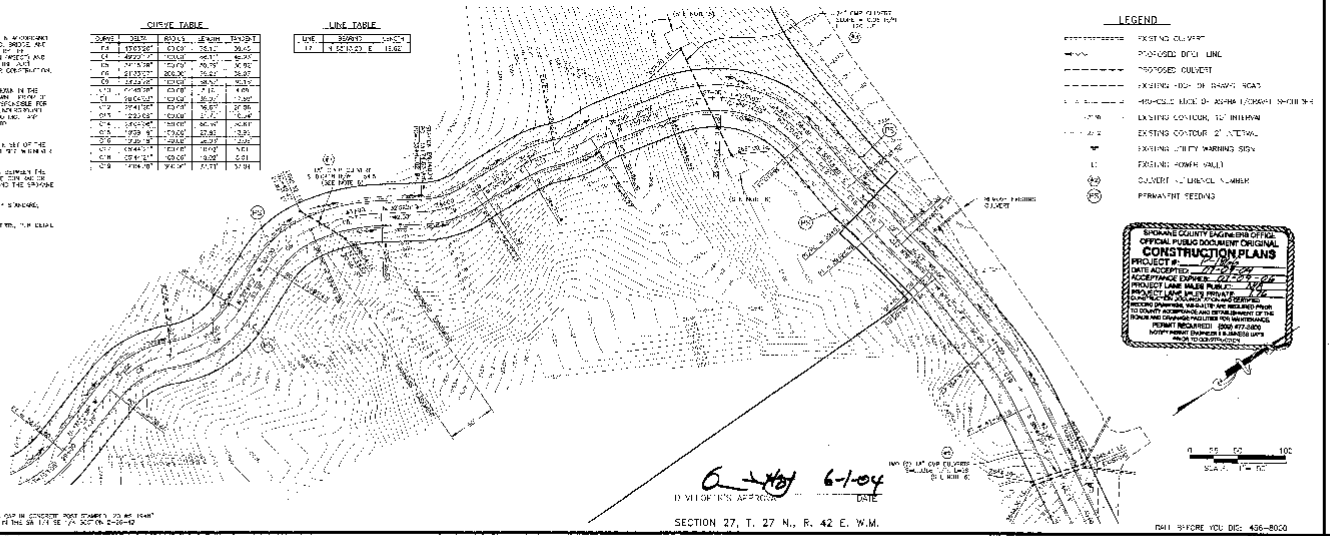
1. [illegible] CONSTRUCTION AND ALL WORK SHALL BE IN ACCORDANCE WITH THE 2006 STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND MUNICIPAL CONSTRUCTION AS PROMULGATED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND THE AMERICAN PUBLIC WORKS ASSOCIATION, AND SPOKANE COUNTY STANDARDS FOR ROAD AND STORM DRAINAGE CONSTRUCTION, AND ALL AMENDMENTS & UPDATES.
2. LOCATIONS OF PROPOSED AND EXISTING UTILITIES SHOWN IN THE PLANS AND A SUBSURFACE INVESTIGATION WITH THE STORM SYSTEM OF SITE CONSTRUCTION ON THE CONTRACTOR'S SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES ON THE LAND DURING UTILITY LOCATION SERVICE AT 800-552-7696 PRIOR TO THE START OF CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
3. THE CONTRACTOR IS REQUIRED TO MAKE A COPY OF THE APPROVED SPOKANE COUNTY DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
4. IF THE CONTRACTOR ENCOUNTERS ANY UNCOVERED ARTIFACTS DURING THE PLANNED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY FROM STATION 0+00.
5. STREET NAME SIGN SHALL BE IN ACCORDANCE COUNTY STANDARDS, DETAIL A-15.
6. [illegible] CULVERTS, CUP DRAIN, [illegible]

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	13°03'26"	1000.00'	228.12'	114.62'
C2	40°22'17"	1000.00'	703.97'	367.00'
C3	7°17'58"	1000.00'	127.39'	63.78'
C4	21°33'11"	1000.00'	376.22'	190.87'
C5	14°24'05"	1000.00'	251.37'	126.31'
C6	7°45'38"	1000.00'	135.41'	67.81'
C7	19°54'03"	1000.00'	347.21'	175.47'
C8	29°41'05"	1000.00'	518.17'	264.97'
C9	22°16'55"	1000.00'	388.91'	197.56'
C10	14°24'05"	1000.00'	251.37'	126.31'
C11	7°59'19"	1000.00'	139.43'	69.87'
C12	7°28'19"	1000.00'	130.37'	65.32'
C13	28°41'17"	1000.00'	500.67'	255.97'
C14	7°59'19"	1000.00'	139.43'	69.87'

LINE TABLE

LINE	BEARING	LENGTH
L1	N 52°30'20" E	13.62'



BENCHMARK

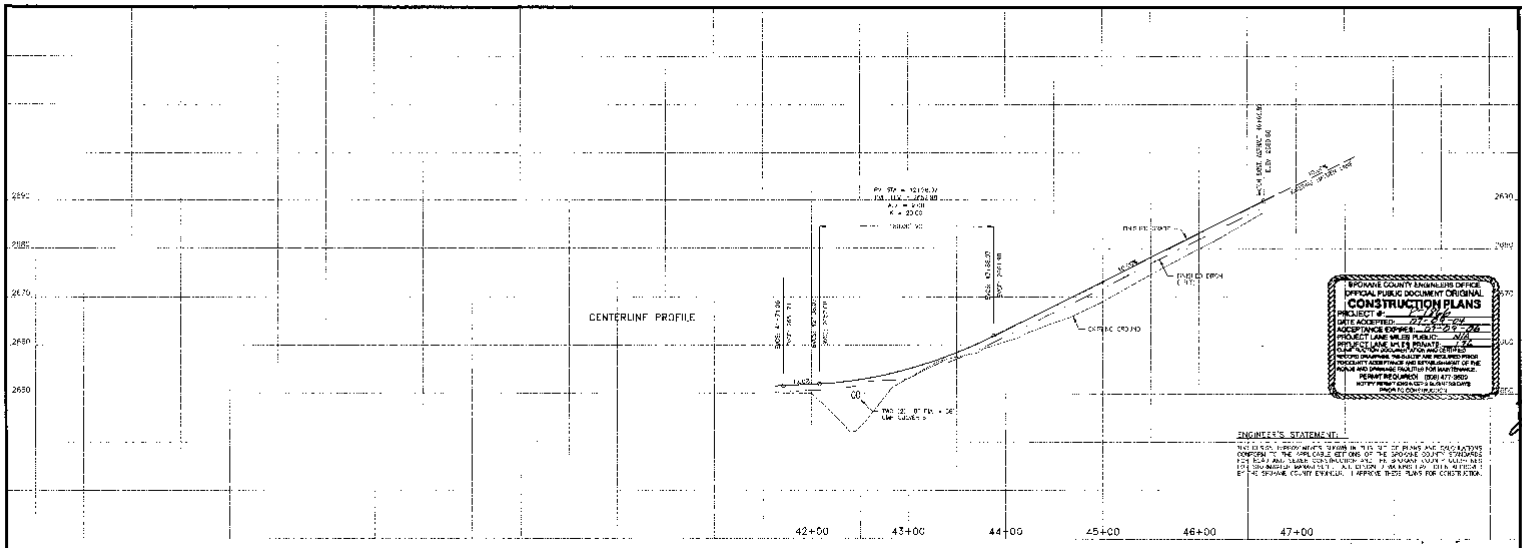
METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-9351

DRAWN BY: MD
CHECKED BY: RKD
DATE: 05/01/04
SCALE: AS SHOWN

RIVER BLUFF RANCH P.U.D.
HAYDEN LANE EXTENSION
Sta. 28+97.60 to Sta. 42+50.00

SHEET
5 of 7
02-093

P-1866 Eng Bond + Drainage



LEGEND

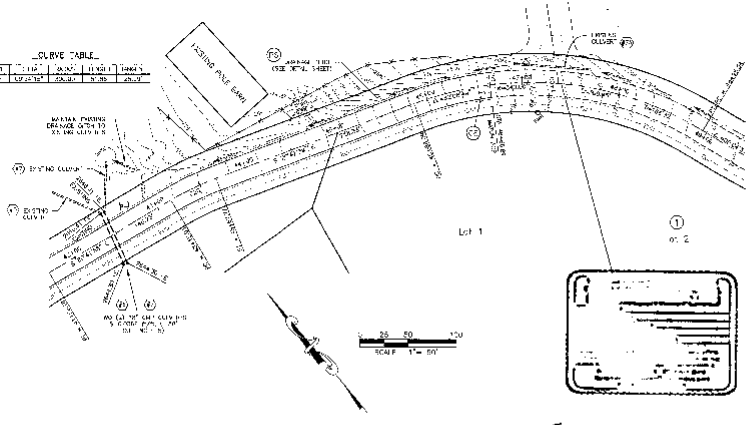
- EXISTING FENCE LINE
- EXISTING CONTOUR, 2' INTERVAL
- EXISTING CONCRETE CURB
- PROPOSED CURB LINE
- PROPOSED 18" CMP CULVERT
- EXISTING 18" CMP CULVERT
- EXISTING EDGE OF GRAVEL SHOULDER
- EXISTING EDGE OF ASPHALT PAVEMENT
- EXISTING UTILITY WARNING SIGN
- EXISTING POWER VALVE
- EXISTING GAS VALVE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL SERVICE
- EXISTING BURIED UTILITIES (PHONE/CABLE/POWER)
- EXISTING REFERENCE NUMBER
- DEMOLISHED BUILDING
- CONSTRUCTION ENTRANCE

CONSTRUCTION NOTES:

1. ALL WORK OF CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST STANDARDS, SPECIFICATIONS, RULES AND REGULATIONS GOVERNING CONSTRUCTION AS PROMULGATED BY THE STATE OF WASHINGTON, STATE OF IDAHO, THE UNITED STATES OF AMERICA, SPOKANE COUNTY, SPOKANE COUNTY STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION, AND ANY OTHER APPLICABLE LAWS.
2. LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND NOT ALL KNOWN. PRIOR TO ANY EXCAVATION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL JURISDICTIONAL UTILITIES. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF ALL UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO COMMENCEMENT OF ROAD AND DRAINAGE WORKS.
3. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND SITE CONDITIONS, HE SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND ENGINEER OF WORK FOR ENGINEERING ADVICE.
4. INSTALL RIP RAP PAD AT BOTH ENDS OF ALL CULVERTS PER DETAIL SHEET.

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C2	10°21'18"	200.00'	36.13'	18.12'



6-1-04
DEVELOPER'S AUTHORIZATION DATE

SECTION 27, T. 27 N., R. 42 E. W.M.

CALL BEFORE YOU DIG: 458-8003

BENCHMARK

BENCHMARK #1 (TBM-01-69)
SPOKANE COUNTY BRASS NAME "KOTKA 2A" BRASS CAP & CONCRETE POST STAMPED "TBM 1969" LOCATED ALONG NORTH SIDE OF RR, 1/4 MILE EAST OF 1/4 SECTION CORNER

METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-9351

6/7/04

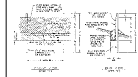
SCALE: 1" = 50'
DESIGNED BY: JNS
DATE: 05/31/04
DRAWN: AS SHOWN

RIVER BLUFF RANCH P.U.D.
HAYDEN LANE EXTENSION
Sta. 42+50.00 to Sta. 46+66.89

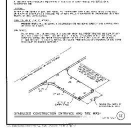
SHEET
6 OF 7
02 093

P-8666 Eng Dwg & Drainage

FILTER FENCE



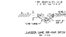
STABILIZED CONSTRUCTION ENTRANCE AND TIRE WASH



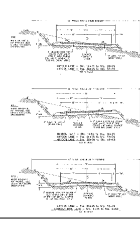
EROSION & SEDIMENT CONTROL NOTES

PERMANENT SEEDING/SEED SPECIFICATIONS

HAYDEN LANE RIP-RAP DITCH



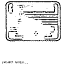
RIP-RAP DITCH



SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS

ENGINEER'S STATEMENT:

PREPARER'S STATEMENT:



PROJECT NOTES:

LEGAL DESCRIPTION:

6-1-04
DEVELOPER'S APPROVAL DATE

SECTION 27, T. 27 N., R. 42 E. W.M.

METRO ENGINEERING, INC.
S. 324 SHERMAN
SPOKANE, WA 99202
(509) 624-9351

RIVER BLUFF RANCH P.U.D.
HAYDEN LANE EXTENSION
DETAILS & EROSION CONTROL PLAN

SHEET 7 OF 7
02 093

P-1866 Eng Road-Drainage