SEC. 28 + 33, T. 24 N., R. 43 E., W.M.

SEDIMENT CONTROL SUMP (6/1)
(NOT TO SCALE)

BEGIN NEW ASPHALT STA. 25+65.56

30' DRAINAGE EASEMENT

(10)

SEE DETENTION POND DETAIL, SHEET 2 (2/2)

TRACT D

25' DRAINAGE AND UTILITY EASEMENT

CUL-DE-SAC EASEMENT

CENTERLINE OF ROADSIDE DITCH

25' DRAINAGE AND UTILITY EASEMENT

SEDIMENT CONTROL SUMP DETAIL, H-S SHT. (6/1)

CUT/FILL CATCH POINT FOR FINISH GRADE (TYP.)

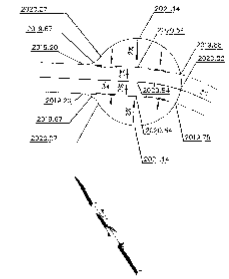
OPEN

(FUTURE PHASE)

OPEN

(9)

PLAT BOUNDARY



BENCH MARK
USGS (1947 ADJUSTMENT)
BASED ON CBM NO. 237/9L
FOUND BRASS USGS STAMPED "2WS 1948"
EL. 1916.23

CALL BEFORE YOU DIG 456-8000 (WTC CALL NUMBER 48 HR. NOTICE REQUIRED)

24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00

2000 CENTERLINE 1990

-0.51% -1.20% 7.11% -10.00%

100' V.C. 100' V.C. 200' V.C. 200' V.C.

B.V.C. STA. 25+00 EL. 1989.50
M.L.T. STA. 25+40.32 EL. 1992.78
V.P.I. STA. 25+50 EL. 1992.82
BEGIN ASPHALT STA. 25+65.56
E.V.C. STA. 25+80 EL. 1992.40
B.V.C. STA. 27+00 EL. 1990.00
L.P. STA. 28+33.33 EL. 1988.80
MIDPOINT EL. 1988.85
E.V.C. STA. 29+00 EL. 1990.80
V.P.I. STA. 28+50 EL. 1989.40
B.V.C. STA. 29+00 EL. 1990.80
MIDPOINT EL. 1994.78
V.P.I. STA. 30+00 EL. 1993.00
E.V.C. STA. 31+00 EL. 2000.11
B.V.C. STA. 33+50 EL. 2017.69
FINISH GRADE
H.P. STA. 34+33.33 EL. 2020.81
V.P.I. STA. 34+50 EL. 2020.00
END ASPHALT STA. 34+82.02
MIDPOINT EL. 2019.82
E.V.C. STA. 35+50 EL. 2013.00
EXISTING GROUND

SPOKANE COUNTY ENGINEER'S OFFICE
CERTIFIED RECORD DRAWINGS
PROJECT #
DATE ACCEPTED

SPOKANE COUNTY ENGINEER'S OFFICE
CONSTRUCTION PLANS
PROJECT # P-6398.5
DATE ACCEPTED 10-21-1997
ACCEPTANCE EXPIRES 10-21-2000
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO ISSUANCE OF ACCEPTANCE (SUBJECT TO BUSINESS DAYS)

No.	Date	By	Ckd.	Appr.	Revisions

	Date
Drawn TGS	5/97
Designed KGS	5/97
Checked DJH	5/97

REVISED 10-24-97

The design improvements shown in this set of plans and calculations conform to the applicable criteria of the Spokane County Standards for Road and Sewer Construction and the Spokane County Guidelines for Stormwater Management and all design deviations have been approved by the Spokane County Engineer. I approve these plans for construction.

Taylor Engineering, Inc.
Civil Design and Land Planning
N. 106 Mission Ave.
Spokane, Washington 99201
(509) 326-5979 FAX (509) 326-0932

SPOKANE COUNTY PUBLIC WORKS
W. 1004 Broadway Ave.
Spokane, WA 99260
456-5554

Approved _____ Date _____

OWNER'S APPROVAL
Date 10-15-97

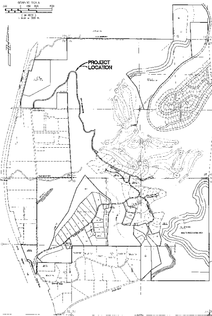
SCALE
HORZ. 1"=50'
VERT. 1"=10'

CADD FILE NAME
9737.DWG

THE RIDGE AT HANGMAN ROAD
PHASE III
FAIRWAY RIDGE LANE
STA. 25+65.56 TO STA. 34+82.02

SHEET 1 / 2

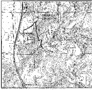
THE RIDGE AT HANGMAN P.U.D., EMERGENCY ACCESS ROAD



INDEX TO PLAN SHEETS

SHEET NO. 1 COVER SHEET
SHEET NO. 2 FAIRWAY RIDGE LANE – STA. 9+48 TO STA. 22+35.97
SHEET NO. 3 MEADOWRIDGE LANE – FAIRWAY RIDGE LANE TO STA. 21+77.33
SHEET NO. 4 MEADOWRIDGE LANE – STA. 21+77.33 TO STA. 36–23.21
SHEET NO. 5 MEADOWRIDGE LANE – STA. 69+76.79 TO STA. 56+30.90
SHEET NO. 6 MEADOWRIDGE LANE – STA. 56+30.90 TO EXCELSIOR ROAD
SHEET NO. 7 ACCESS ROAD AND POND DETAILS
SHEET NO. 8 EROSION CONTROL & SEDIMENTATION PLAN

LOCATED IN SECTIONS 28, 33, & 32
ALL IN T.24 N., R.43 E., W.M.
SPOKANE COUNTY, WASHINGTON



VICINITY MAP

LEGEND

EXISTING		PROPOSED
	CENTERLINE	
	RIGHT-OF-WAY	
	EASEMENT LINE	
	PROPERTY LINE	
	TOE OF EMBANKMENT	
	THICKENED EDGE OF PAVEMENT	
	CONTOURS	2500
	DITCH LINE	
	CULVERTS	

Road Approach Permit Required

SPOKANE COUNTY
OFFICIAL PUBLIC DOCUMENT
ORIGINAL

SPOKANE COUNTY ENGINEER'S OFFICE
-CONSTRUCTION PLANS-
PROJECT #: [illegible]
DATE ACCEPTED: [illegible] 1997
[illegible]
CONSTRUCTION DOCUMENTATION AND CERTIFICATION [illegible]

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

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

GENERAL NOTES:

1. The Standard Specifications governing work on this project shall be the most current edition of the STANDARD SPECIFICATIONS for Road, Bridge and Municipal Construction as prepared by Washington State Dept. of Transportation and as currently adopted by Spokane County.
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]

DEVELOPER'S APPROVAL 10-15-97
DATE

INLAND PACIFIC ENGINEERING

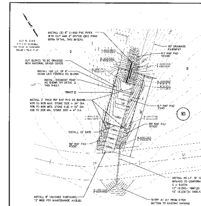
SCALE: AS NOTED

THE RIDGE AT HANGMAN, EMERGENCY ACCESS ROAD
COVER SHEET

STREET

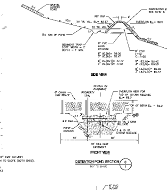
SHEET 1 of 8

JOB NUMBER 97066



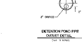
DETENTION POND DETAIL (2/1)

(NOT TO SCALE)



DETENTION POND SECTION (3/1)

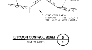
(NOT TO SCALE)



DETENTION POND PIPE OUTLET DETAIL (4/1)

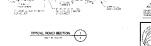
(NOT TO SCALE)

NOTE:
INSTALL EROSION CONTROL BERM AT NORTHEAST EDGE OF PLAT BOUNDARY IN EXISTING DRAW AS DIRECTED BY ENGINEER, TO CONTROL EROSION OF GOLF COURSE PROPERTY.



EROSION CONTROL BERM (5/1)

(NOT TO SCALE)



TYPICAL ROAD SECTION (1/1)

(NOT TO SCALE)

OWNER'S APPROVAL

Date 8-13-98

EMBANKMENT NOTES:

1. THE STANDARD SPECIFICATIONS GOVERNING WORK ON THIS PROJECT SHALL BE THE 1996 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AS PROMULGATED BY WASHINGTON STATE DEPT. OF TRANSPORTATION AND AS CURRENTLY ADOPTED BY SPOKANE COUNTY.

2. CLEAR AND GRUB THE ENTIRE AREA OF EXCAVATION AND EMBANKMENT IN ACCORDANCE WITH SECTION 2-01 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT BURNING IF ALLOWED SHALL BE IN ACCORDANCE WITH REGULATIONS OF THE SPOKANE COUNTY AIR POLLUTION CONTROL AUTHORITY.

3. ALL REQUIRED EMBANKMENT SHALL BE PLACED IN ACCORDANCE WITH PARAGRAPH 2-03.3(14) AND COMPACTED IN ACCORDANCE WITH PARAGRAPH 2-03.3(14)C, METHOD C, OF THE STANDARD SPECIFICATIONS, EXCEPT UNDER ALL CONDITIONS [illegible] AND THAT THE MINIMUM [illegible] COMPACTION SHALL BE 95% (ASTM D1557). MATERIAL FOR EMBANKMENT CONSTRUCTION IS TO BE OBTAINED FROM EXCESS EXCAVATION MATERIAL FROM ROAD CONSTRUCTION [illegible] THE PROJECT SITE. ALL REQUIRED EXCAVATION SHALL BE INCIDENTAL TO THE EMBANKMENT REQUIREMENTS OF THE PROJECT. EMBANKMENT MATERIAL WILL BE A MIXTURE OF [illegible] DECOMPOSED GRANITE, AND [illegible] ROCK OBTAINED FROM EXCESS EXCAVATED MATERIAL FROM ROAD CONSTRUCTION [illegible] ELSEWHERE ON THE PROJECT SITE. THE CONTRACTOR SHALL MIX THE AVAILABLE SOIL MATERIALS TO CREATE A HOMOGENEOUS EMBANKMENT MATERIAL. EMBANKMENT CONSTRUCTION [illegible] IN ACCORDANCE WITH PARAGRAPH 2-03.3(14), EXCEPT THAT THE TOP 4 INCHES OF THE SLOPING SIDES OF THE EMBANKMENT SHALL BE NATIVE TOP SOIL MATERIAL. THE EMBANKMENT GRADATION SHALL BE AS FOLLOWS:

SIEVE SIZE	PERCENT PASSING
12" SQUARE	100
6" SQUARE	95-100
3" SQUARE	72-100
1" SQUARE	[illegible]
1/4" SQUARE	[illegible]
US NO. 40	[illegible]

THE CONTRACTOR SHALL EMPLOY AT HIS OWN EXPENSE A SOILS CONSULTANT APPROVED BY THE OWNER TO DETERMINE OPTIMUM MOISTURE CONTENT AND TO PERFORM SOIL DENSITY TESTS. COMPACTION TESTS SHALL BE TAKEN A MINIMUM OF [illegible] LOCATIONS ON EACH [illegible] LIFT OF EMBANKMENT CONSTRUCTION AND THE PREPARED SUBGRADE. THE SOILS CONSULTANT SHALL KEEP A WRITTEN RECORD OF ALL TESTS AND UPON COMPLETION OF POND BERM CONSTRUCTION, OR UPON THE REQUEST OF SPOKANE COUNTY, [illegible] COPIES OF A WRITTEN REPORT SHALL BE SUBMITTED TO SPOKANE COUNTY [illegible] THE COMPACTION REQUIREMENTS HAVE BEEN MET.

4. AFTER COMPLETION OF ALL CLEARING, GRUBBING, EXCAVATION AND EMBANKMENT CONSTRUCTION, SEED ALL CUT BANK SLOPES, ALL FILL EMBANKMENTS AND OTHER AREAS DISTURBED DURING CONSTRUCTION. SEED MIXTURE SHOULD BE STREAMBANK WHEATGRASS (SODAR) 33.3%, TALL WHEATGRASS (ALKAR) 33.3% AND INTERMEDIATE WHEATGRASS (OAHE) 33.4%. APPLICATION SHALL BE AT THE RATE OF [illegible] SEED MIXTURE PER ACRE AND SHALL INCLUDE A FERTILIZER MIX OF [illegible] LBS./ACRE TOTAL NITROGEN AND [illegible] LBS./ACRE AVAILABLE AS PHOSPHORIC ACID, AND 60 LBS./ACRE SOLUBLE POTASH. THE SEED AND FERTILIZER MIXTURE SHALL BE SPRAYED ON AS A MULCH [illegible] IS APPLIED AT THE RATE RECOMMENDED BY THE MANUFACTURER, AND WITH WOOD CELLULOSE FIBER APPLIED AT [illegible] LBS./ACRE.

GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 1995, AND AS AMENDED.

2. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.

3. 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.

4. 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.

5. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.

6. FOR ANY VERTICAL GRADES LESS THAN 0.5% (0.005 FT/FT), A WASHINGTON STATE LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE GRADES ARE AS NOTED ON THE APPROVED PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.

7. ALL DRIVEWAYS SHALL CONFORM TO SPOKANE COUNTY STANDARD SHEET NUMBER [illegible] FOR PRIVATE DRIVEWAYS.

7. IMPLEMENTATION OF THE ESC PLAN, AND CONSTRUCTION, MAINTENANCE AND UPGRADING OF THE ESC FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETE.

8. APPROVAL OF THE ESC PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, DRAINAGE, GRADING, OR UTILITY DESIGN ELEMENTS SHOWN ON THE ESC PLAN.

9. THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE ESC MEASURES DAILY.

10. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ALL LOCATIONS USED TO ENTER OR EXIT THE SITE.

SPOKANE COUNTY OFFICIAL PUBLIC DOCUMENT ORIGINAL

SPOKANE COUNTY ENGINEER'S OFFICE CONSTRUCTION PLANS

PROJECT # P-1606B
DATE ACCEPTED
ACCEPTANCE EXPIRES

CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO RELEASE OF CONSTRUCTION BONDS AND DEPOSITS

REVISIONS

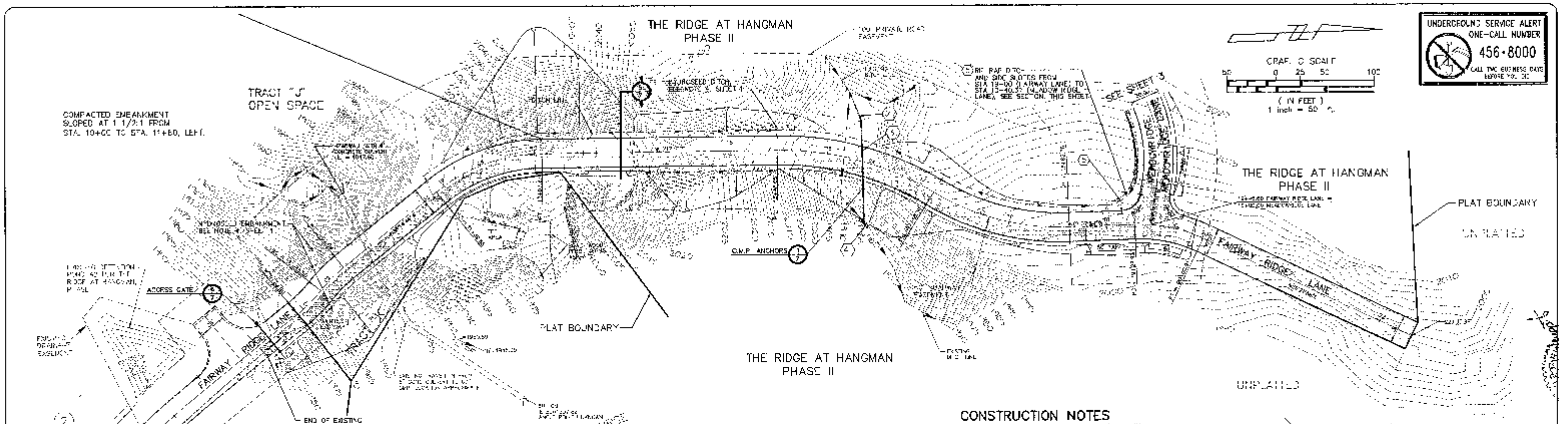
DWN: TAM
CHK:

Taylor Engineering, Inc.
Civil Design and Land Planning
Spokane, Washington

SCALE N/A

SHEET 2 OF 2

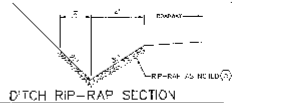
THE RIDGE AT HANGMAN
PHASE II
DETAIL SHEET



CONSTRUCTION NOTES

1. ADJ. CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
2. GRADE EXISTING DITCH TO DELINEATE.
3. INSTALL BASE L.F. OF 12" C.M.P. AT 5% = 0.0005. LF. OR. = 200' BA. L.F. OF = 1000.00 FOR 5-3 CFS 21' = 3'-6"-5.0' FOR 15-18 CFS, DIA. 8"
4. RIP-RAP 4' WIDE x 8" LONG x 2' DEEP WITH WALL GRADED ROCK DRAINAGE AS FOLLOWS: MAX. % ONE ROW = 4" MIN. STONE SIZE = 4" MAX. STONE SIZE = 4"
5. RIP-RAP DITCH (WITH BOTTOM (AND SIDEWALLS AS NOTED) TO 1' DEEP WITH WALL GRADED ROCK ASSOCIATION & BELOW FOLLOWING ROCK ASSOCIATION MAX. STONE SIZE = 1" MIN. STONE SIZE = 6" MAX. STONE SIZE = 8" MIN. STONE SIZE = 2"

SEE SECTION, THIS SHEET



DITCH RIP-RAP SECTION
NOT TO SCALE

COUNTY DATUM

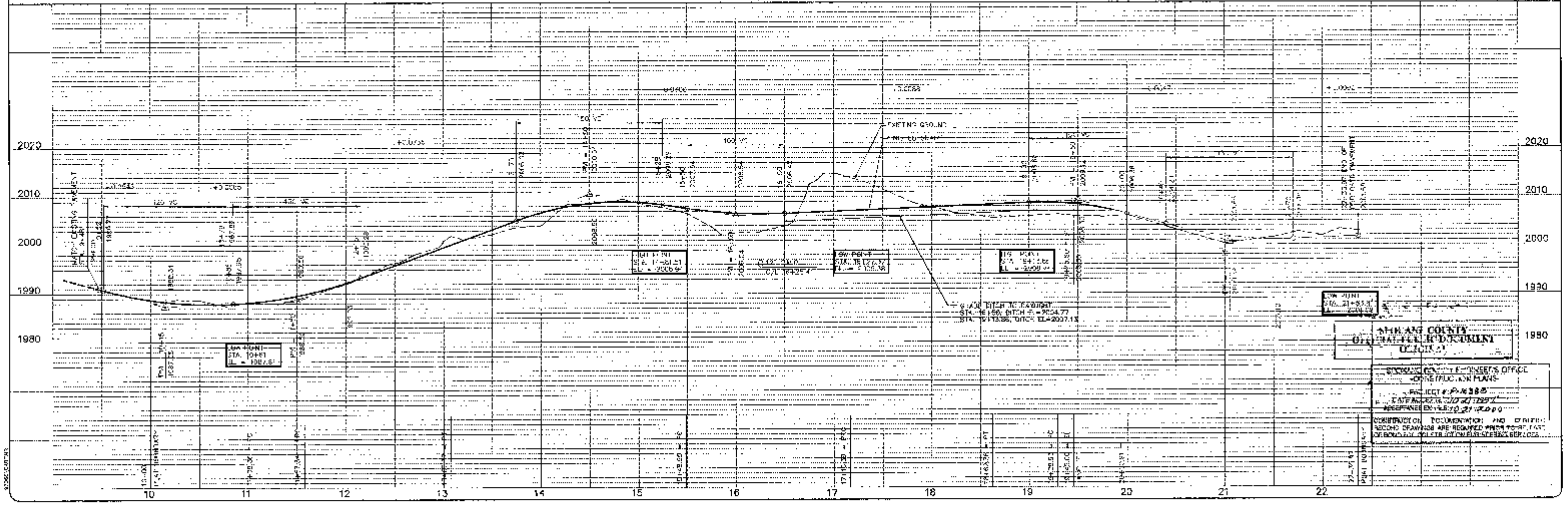
NGVD 1929 (1947 ADJUSTMENT) BASED ON C.E.W. NO. 27-70, TO NO BRASS DISK STAMPED "AWC 1948" P.R.V. 1956-70

CURVE INFORMATION

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
1	[illegible]	57.41	16.82	13.58	12°00'00"
2	[illegible]	33.61	16.83	33.20	19°00'00"
13	[illegible]	112.61	61.37	112.09	38°15'31"
14	300.00	103.74	80.0	103.32	20°00'00"
15	300.00	142.91	72.0	141.57	27°15'15"
16	100.00	11.97	10.07	11.94	6°52'31"

SEC. 28, T.24 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

DEVELOPER'S APPROVAL — DATE 10-15-97



NO.	DATE	BY	REVISIONS

DATE 10/14/97
DRAWN BY RPW
REVISED BY MPW, JDP
CHECKED BY

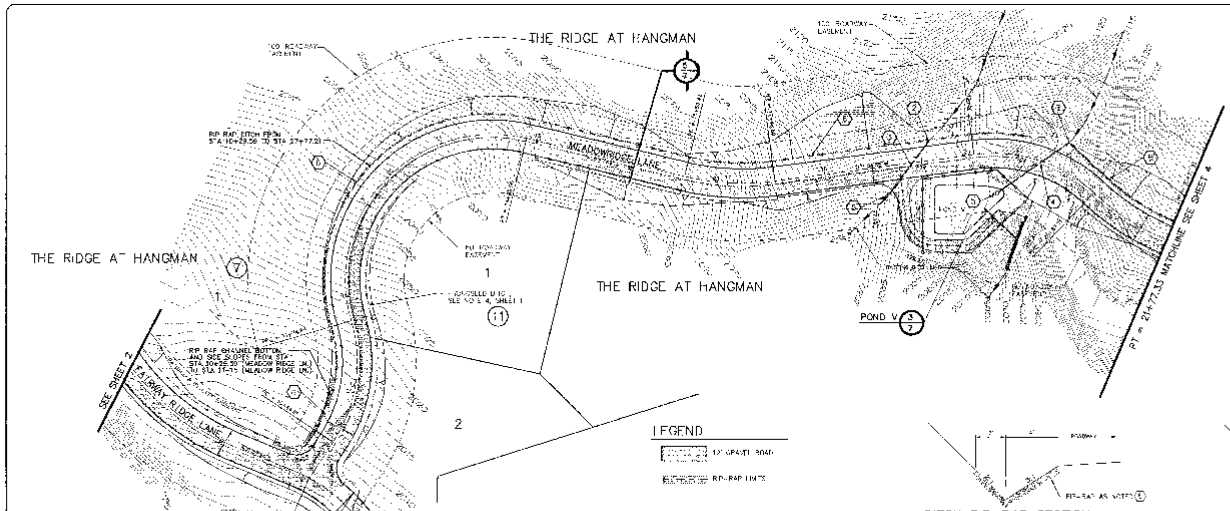
SCALE: HORIZONTAL 1"=50' VERTICAL 1"=10'

INLAND PACIFIC ENGINEERING
10 West 27th, S.E. Suite 200
Spokane, WA 99204
(509) 456-4441
FAX: (509) 456-8544

THE RIDGE AT HANGMAN
EMERGENCY ACCESS ROAD
FAIRWAY RIDGE LANE STREET
STA. 9+48 TO STA. 22+32.97

SHEET 2 of 3

JOB NUMBER 97066



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft

CONSTRUCTION NOTES

1. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES
2. GRADE DITCH TO END OF CULVERT.
3. 12" C.M.P. WITH MIN. 0.064" WALL THICKNESS
   L=68.0' S=0.010
   WEST END OF PIPE STA. 19+11.11, 21' LT., EL. = 2000.88
   EAST END OF PIPE STA. 19+63.07, 20.32' RT., FL. = 2982.00
4. 18" C.M.P. WITH MIN. 0.064" WALL THICKNESS
   L=85.0' S=0.010
   WEST END OF PIPE STA. 22+10.87, 29.17' LT., EL. = 2009.07
   EAST END OF PIPE STA. 19+81.32, 40.87' RT., EL. = 2007.22
5. RIP RAP 4' WIDE x 8" LONG x 2' DEPTH WITH WELL GRADED ROCK ASSORTMENT
   MAX. STONE SIZE = 24"
   MED. STONE SIZE = 18"
   MIN. STONE SIZE = 4"
6. RIP RAP DITCH/CHANNEL BOTTOM AND SIDESLOPES AS NOTED TO THE BOTTOM OF WELL GRADED ROCK ASSORTMENT
   MAX. STONE SIZE = 24"
   MED. STONE SIZE = 18"
   MIN. STONE SIZE = 4"

SEE SECTIONS THIS SHEET

DITCH RIP-RAP SECTION
(STA 10+29.59 TO STA 11+15)
NOT TO SCALE

DITCH RIP-RAP SECTION
(STA 11+15 TO STA 21+77.33)
NOT TO SCALE

CURVE INFORMATION

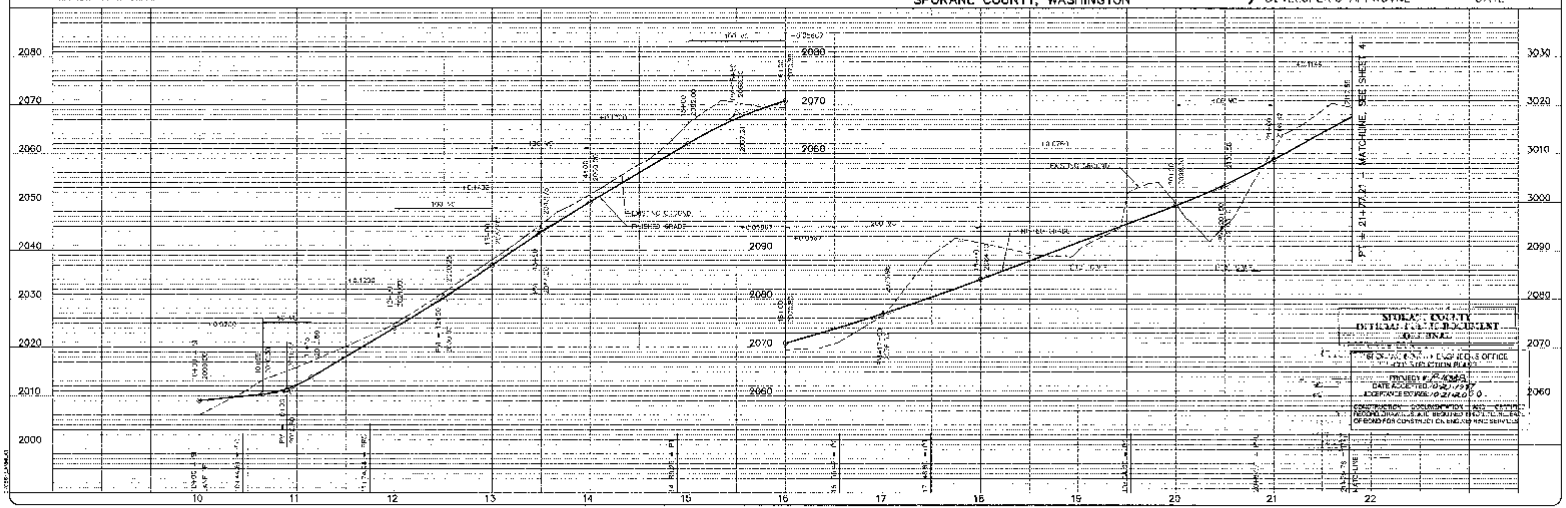
Curve	Radius	Length	Tangent	Delta	Chord Bearing
C1	175.00	112.04	58.09	36°41'07"	N 17°31'16" E
C2	300.00	146.32	75.04	27°57'40"	N 13°31'48" E
C3	250.00	30.38	15.19	6°57'40"	N 3°31'48" E
C4	150.00	133.01	71.87	50°47'53"	N 25°23'56" E
C5	125.00	86.62	45.30	39°41'07"	N 17°31'16" E

COUNTY DATUM
U.S.C.&G.S. (1947 ADJUSTMENT)
BASED ON EL. 4 NO. 227/DL
FOUND BRASS TAG STAMPED
"KOWS TUAH 1" 1938 20

SEC. 28, T.24 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

Gerald R. for Robert McCoy
DEVELOPER'S APPROVAL

10-15-97
DATE



10/15/97	PR	REVISIONS
DATE	BY	

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

INLAND PACIFIC ENGINEERING
711 N. Post, Suite 333
Spokane, WA 99201
PHONE: (509) 456-8000
FAX: (509) 456-3844

THE RIDGE AT HANGMAN
EMERGENCY ACCESS ROAD
MEADOWRIDGE LANE
STA. 10+00.00 TO STA. 21+79.76

STREET

SHEET 3 OF 6

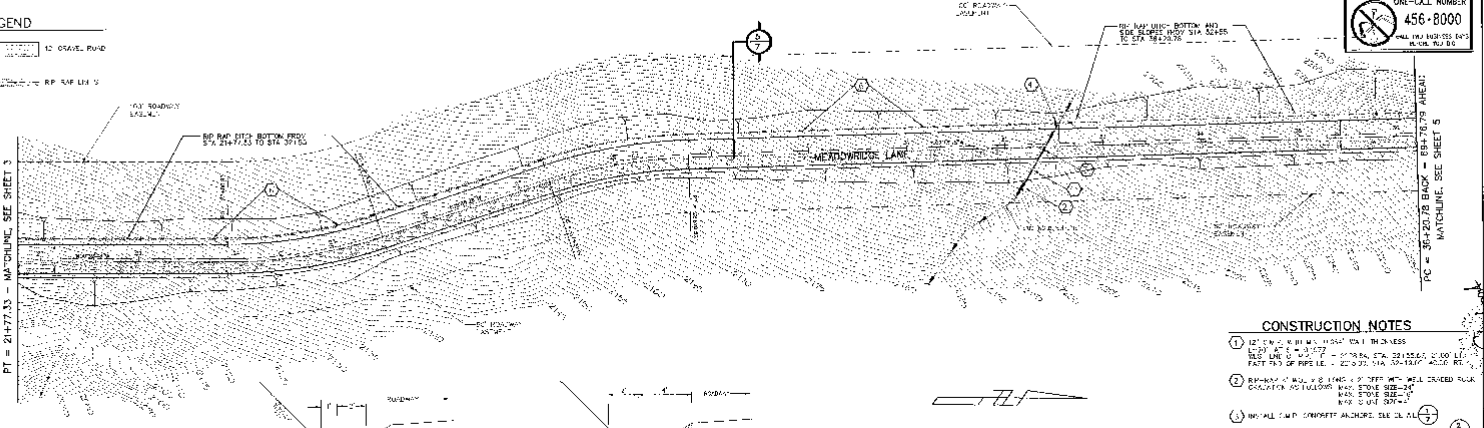
JOB NUMBER 97066

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

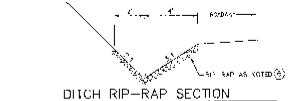
LEGEND

12" GRAVEL ROAD

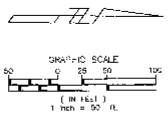
RIP RAP LINE



DITCH RIP-RAP SECTION
(STA 21+77.33 TO STA 32+55)
NOT TO SCALE



DITCH RIP-RAP SECTION
(STA 32+55 TO STA 36+20.78)
NOT TO SCALE



CONSTRUCTION NOTES

1. 12" [illegible] INSTALL TO A MINIMUM TRENCH DEPTH OF [illegible] MIN. LINE SLOPE [illegible] FROM STA. 32+55.00 (2,000' LT.) TO FIRST PIPE (LT. – 20+00.00, STA. 32+55.00 – 40.00 RT.)
2. RIP-RAP AT INLET & OUTLET PER MFG. WELL GRADED ROCK GRADATION AS FOLLOWS: MAX. STONE SIZE=24" MIN. STONE SIZE=9" MAX. 50 UNIT SIZE=12"
3. INSTALL TWO CONCRETE ANCHORS, SEE DETAIL 1/7
4. INSTALL DITCH JAW, STA. 21+50 AS [illegible] FT., SEE DETAIL 2/7
5. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES
6. RIP RAP DITCH/BOTTOM (AND SIDESLOPES AS NOTED) TO 1' OFF MFG. WELL GRADED ROCK ASSUMING MINIMUM FOLLOWING ROCK ADDED WIDTH: MAX. STONE SIZE = 12" MID. STONE SIZE = 9" MIN. STONE SIZE = 6"

SEE SECTION, THIS SHEET

COUNTY DATUM
U.S.G.S. (1947 ADJUSTMENT)
[illegible]
"[illegible] BRASS DISC STAMPED "[illegible] 1947 REV. 1970"

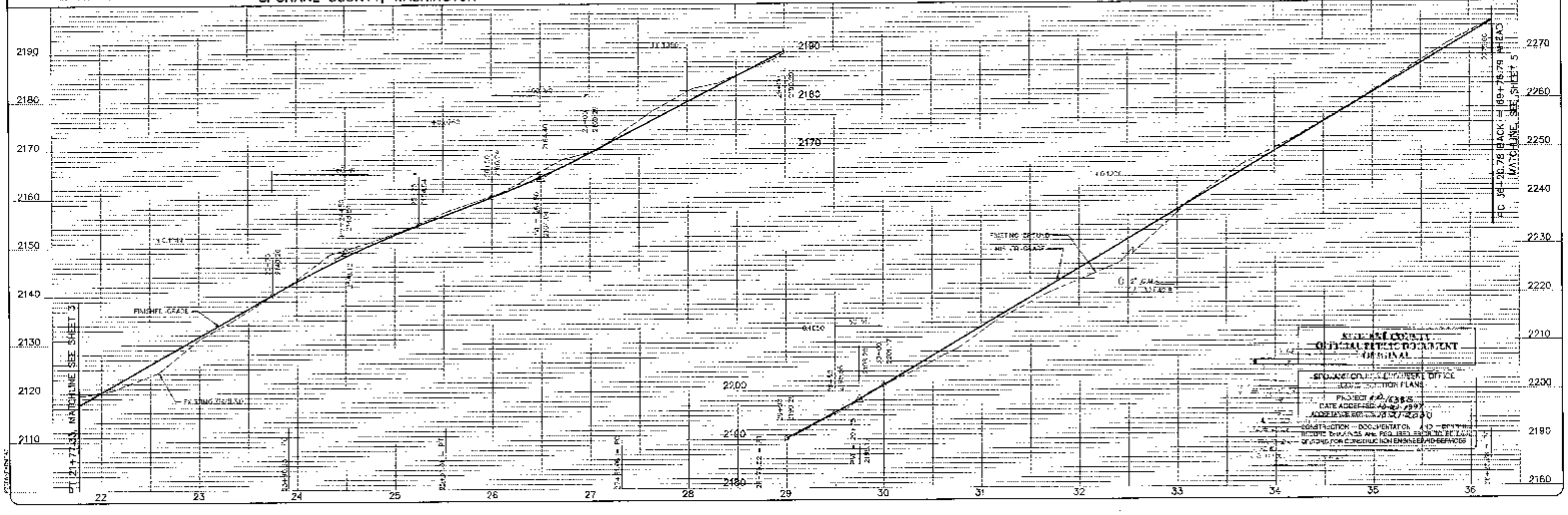
SEC. 28, T.24 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

CURVE INFORMATION

CURVE	LENGTH	TANGENT	CHORD	
C1	64.30'	32.80'	32.81'	N72°[illegible]
C2	145.40'	72.90'	144.90'	N72°[illegible]

Gerald R. Jr. Baker Maley
DEVELOPER'S APPROVAL

8-15-97
DATE



REVISIONS

NO.	DATE	BY

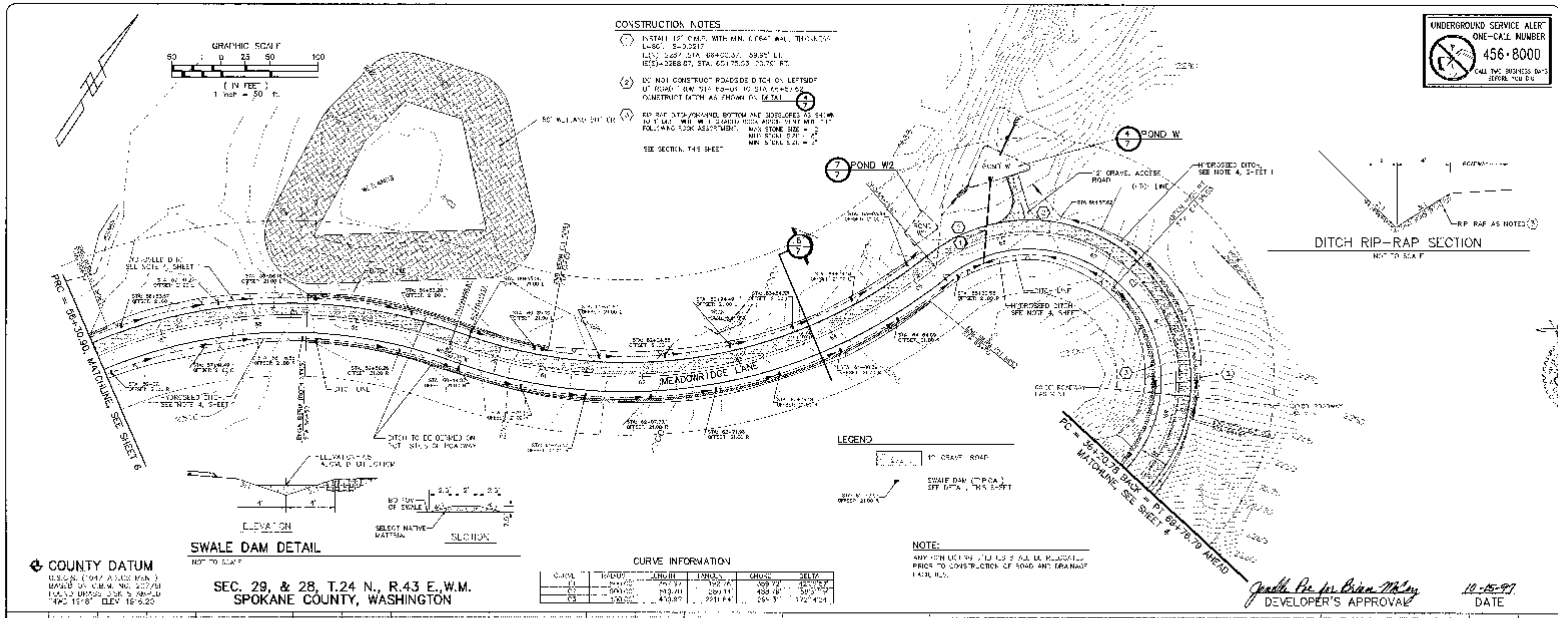
10/23/97
DRAWN BY RLW2
REVIEWED BY MPF
REVISED BY ADP
DRAWING # 3
SHEET 4

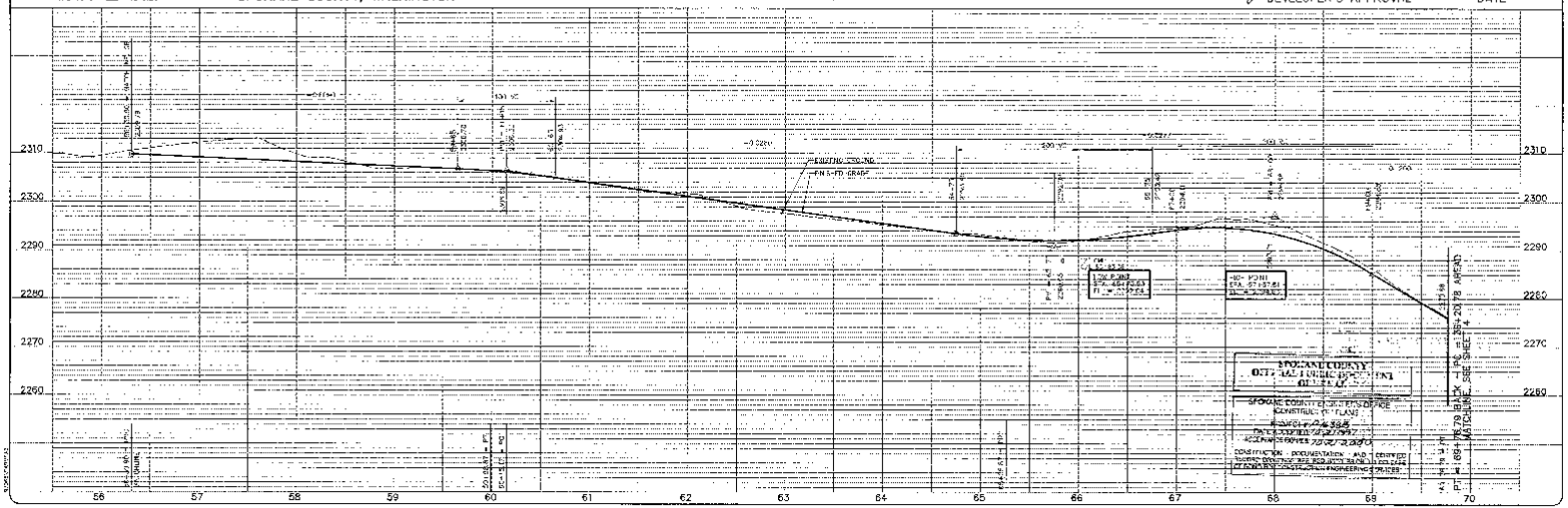
SCALE
HORIZONTAL 1"=50'
VERTICAL 1"=10'

INLAND PACIFIC ENGINEERING
[illegible]

THE RIDGE AT HANCMAN, STREET
EMERGENCY ACCESS ROAD
MEADOWRIDGE LANE
STA. 21+79.76 TO STA. 36+23.21

SHEET 4 OF 8
JOB NUMBER 97066





SHEET	DATE	BY
1		
2		
3		
4		
5		

DATE 10/14/97
DRAWN BY: MLH
ESTIMATED BY: JDP
CHECKED BY: MPY

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

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 203
Spokane, WA 99204
(509) 455-9262
FAX: (509) 455-9264

THE RIDGE AT HANGMAN, EMERGENCY ACCESS ROAD
MEADOWRIDGE LANE
STA. 69+30.90 TO STA. 69+76.79

SHEET 5 OF 6

JOB NUMBER 97066

SEC. 29, T.29 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

CONSTRUCTION NOTES

1. 12" CMP WITH MIN. 0.064" WALL THICKNESS = 71.7', S=.0133 (E(L)=2360.5, STA. 54+07.47, 24.39' RT, (E(R)=2358.00 STA. 54+22.31, 35.22' RT
2. 12" CMP WITH MIN. 0.064" WALL THICKNESS = 40', S=.0125 (E(L)=2357, STA. 44+54.99, 30' LT (E(R)=2359.00, STA. 44+69.98, 30' RT
3. BEGIN DITCH & BERM AT STA. 45+15
4. GRADE TO PROVIDE ENGELMAN ROAD DRAINAGE FROM EXISTING MEADOWRIDGE LANE DITCH
5. INSTALL EMERGENCY ACCESS GATE

LEGEND

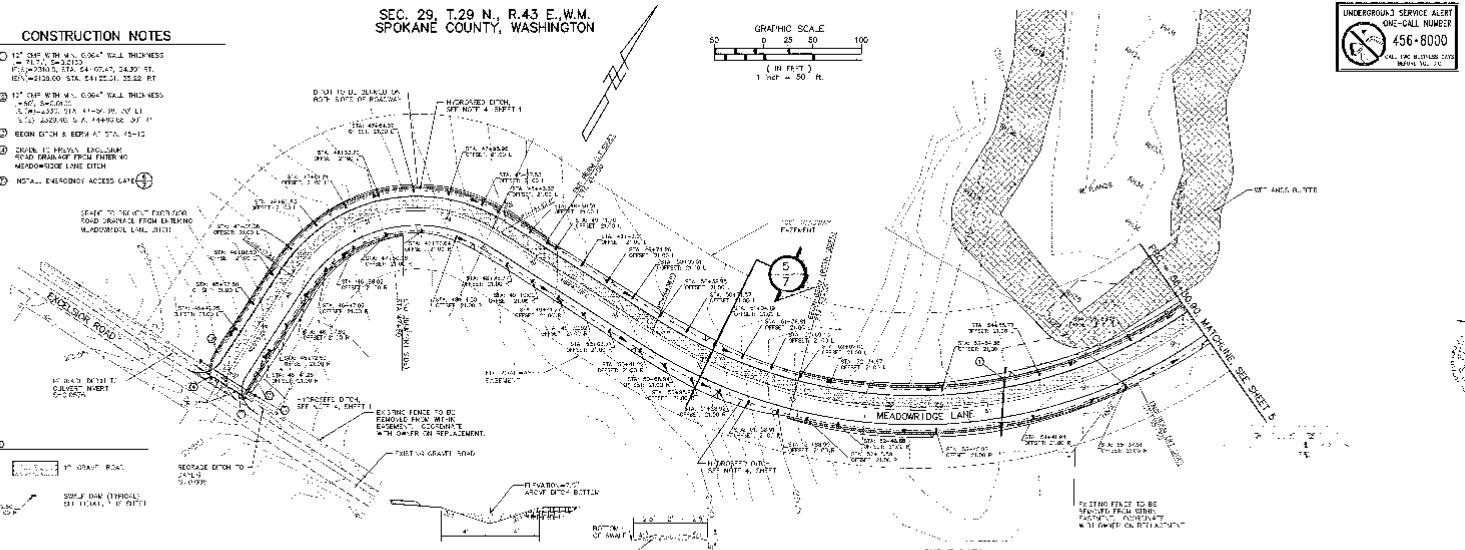
1' GRAVEL ROAD

SWALE DAM (TYPICAL) SEE DETAIL, 1' @ BERT

STA. 45+76.36 PVI=2.0'

COUNTY DATUM

USGS, FIRST ORDER LEVEL
NAD 83 ON DATUM, VIA 2D/3D
NGVD 29 ADJ DISK 5 ON
TYPE BM 5, ELEV. 19.620



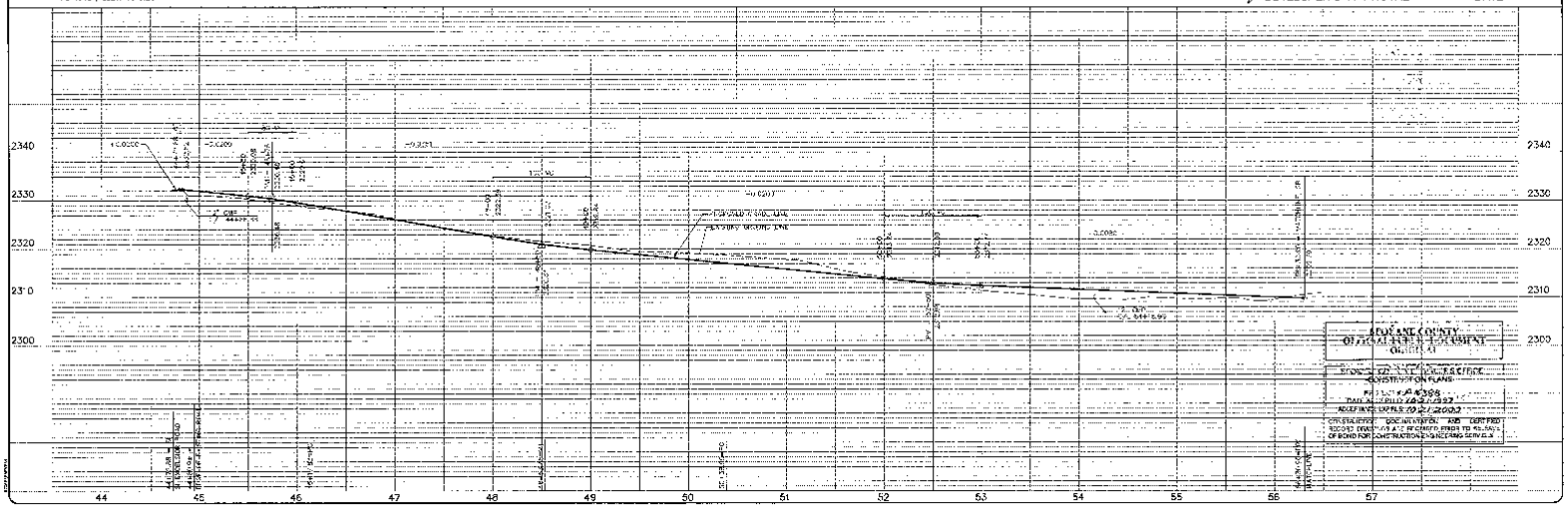
SWALE DAM DETAIL

NOT TO SCALE

CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	100.00'	[illegible]	[illegible]	[illegible]	[illegible]
C2	300.00'	[illegible]	[illegible]	[illegible]	[illegible]

DEVELOPER'S APPROVAL — DATE 10-15-97



THE RIDGE AT HANGMAN
EMERGENCY ACCESS ROAD
MEADOWRIDGE LANE
STA. 44+72.88 TP STA. 59+30.90 STREET

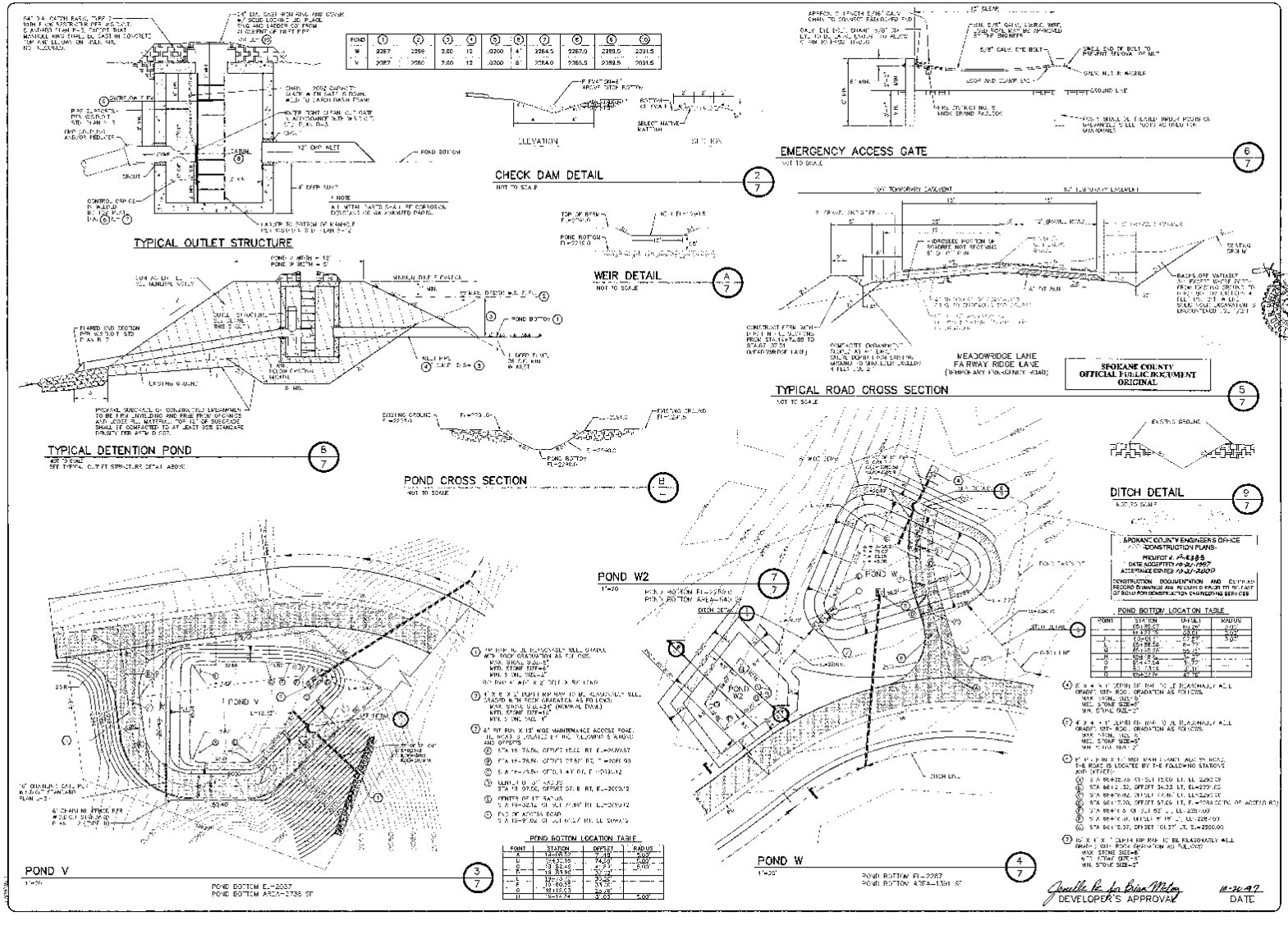
SHEET 6 OF 6
JOB NUMBER 97088

INLAND PACIFIC ENGINEERING
727 West 7th Avenue
Spokane, WA 99204
Tel: (509) 455-4242
Fax: (509) 455-8544

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

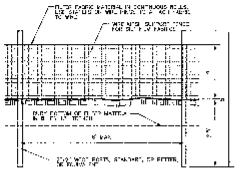
DATE 10/29/97
DRAWN BY: RUNKE
CHECKED BY: JDP
DESIGNED BY: MP

REV	DATE	BY

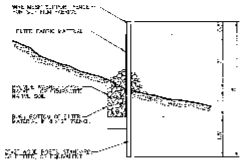

TYPICAL OUTLET STRUCTURE
CHECK DAM DETAIL
NOT TO SCALE
EMERGENCY ACCESS GATE
NOT TO SCALE
WEIR DETAIL
NOT TO SCALE
TYPICAL ROAD CROSS SECTION
NOT TO SCALE
TYPICAL DETENTION POND
NOT TO SCALE
POND CROSS SECTION
NOT TO SCALE
DITCH DETAIL
NOT TO SCALE
POND W2
1"=20'
POND V
1"=20'
POND W
1"=20'
MEADOWRIDGE LANE
FAIRWAY RIDGE LANE
(TEMPORARY EMERGENCY ROAD)
SPOKANE COUNTY
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
SPOKANE COUNTY ENGINEERS OFFICE
"CONSTRUCTION PLANS"
DATE ACCEPTED 10-31-1997
ACCEPTANCE EXPIRES 10-31-2000
POND BOTTOM LOCATION TABLE
POND BOTTOM LOCATION TABLE
POND BOTTOM EL=2087
POND BOTTOM AREA=2735 SF
POND BOTTOM EL=2287
POND BOTTOM AREA=1391 SF
DEVELOPER'S APPROVAL
DATE
INLAND PACIFIC ENGINEERING
THE RIDGE AT HANGMAN, EMERGENCY ACCESS ROAD
SECTIONS – DETAILS
SHEET 7 OF 8
JOB NUMBER 97066

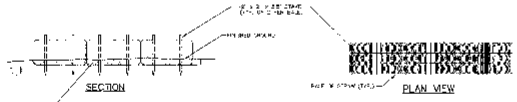
THE RIDGE AT HANGMAN P.U.D., EMERGENCY ACCESS ROAD
EROSION CONTROL PLAN

GRAPHIC SCALE
200 0 100 200 400
(IN FEET)
1 inch = 200 ft

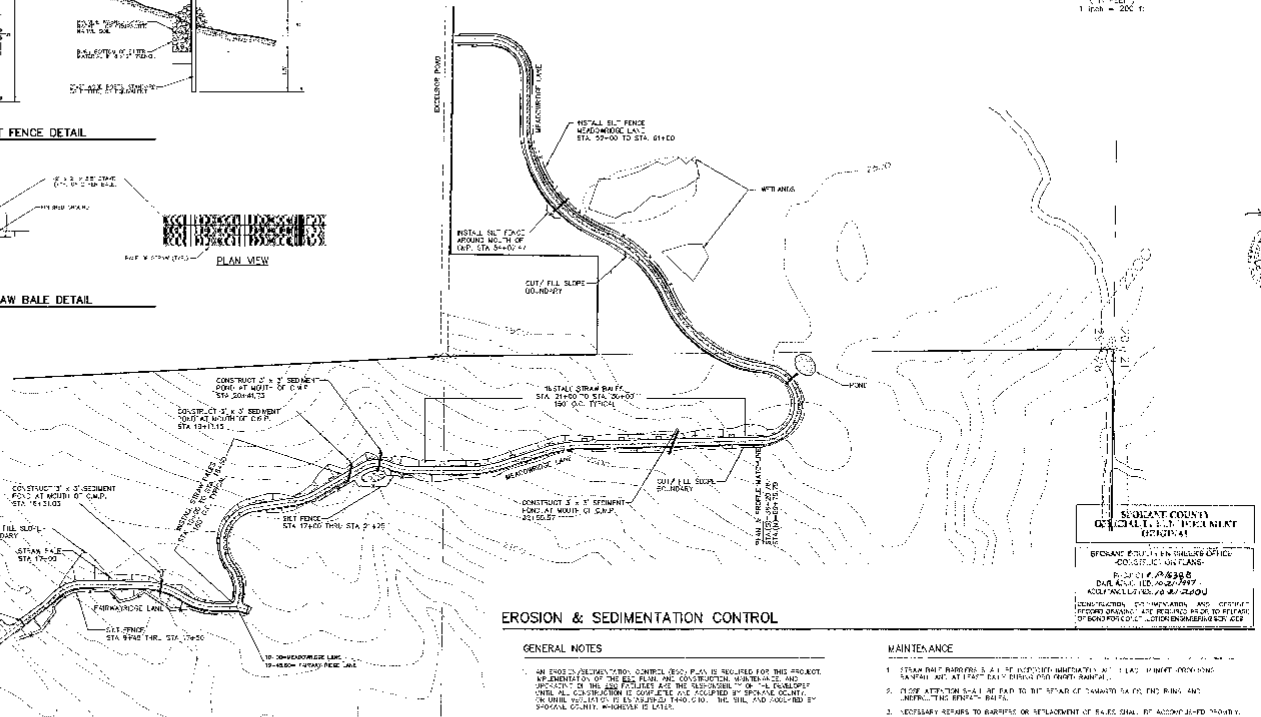


SILT FENCE DETAIL





STRAW BALE DETAIL



SEDIMENT COUNTY
OCCUPANCY PERMIT
DENIED

SEDIMENT COUNTY EN GINEERING OFFICE
CONSTRUCTION PLANS
PERMIT # 0 6398
DATE ISSUED: 10-23-97
EXPIRATION DATE: 10-23-2000
CONSTRUCTION, DOCUMENTATION, AND CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO RELEASE OF BONDS FOR CONSTRUCTION ENGINEERING ACCEPTANCE

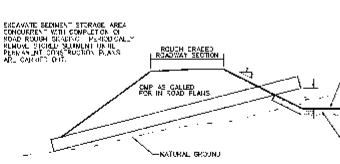
EROSION & SEDIMENTATION CONTROL

GENERAL NOTES

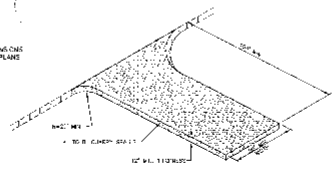
1. AN EROSION/SEDIMENTATION CONTROL (ESC) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE ESC PLAN, AND CONSTRUCTION, MAINTENANCE AND INSPECTION OF THE ESC FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETE AND REQUIRED BY SEDIMENT COUNTY OR UNTIL VEGETATION IS ESTABLISHED (440.0.010). THE SITE AND ROADWAY BY SEDIMENT COUNTY, WHICHEVER IS LATER.
2. APPROVAL OF THE ESC PLAN WILL NOT TAKE EFFECT UNTIL APPROVAL OF THE ALL REQUIRED ROADWAY DRAINAGE, GRADING, UTILITY, AND LAND CLEARING PLANS.
3. ALL INSPECTION AND MAINTENANCE REPORTS MUST BE KEPT ON FILE AT A MINIMUM REQUIREMENTS FOR THE ENTIRE SITE CONSTRUCTION. THE CONTRACTOR SHALL INSPECT ALL ESC FACILITIES ON THE SITE AT MINIMUM WEEKLY AND AFTER EACH RAIN EVENT. SHALL MAINTAIN AND REPAIR THESE FACILITIES AS NECESSARY TO PREVENT SEDIMENT CLEARING FROM FURTHER CHANGING OFF THE SITE OR INTO ADJACENT STORM DRAINAGE FACILITIES, PRIOR TO DRAWING.
4. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE.
5. ANY DISTURBED AREAS, WHICH WILLE BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE REWORKED WITHIN 30 DAYS SHALL BE SEEDED WITH A FAST STARTING NATIVE GRASS OR SUCH GRASS SUCH AS ANNUAL RYE OR APPROVED EQUAL AT A RATE OF 60 lbs/ACRE.

MAINTENANCE

1. STRAW BALE BARRIERS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL. REPAIR AND REPLACE AS NECESSARY TO MAINTAIN THE ORIGINAL LINE OF PROTECTION.
2. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS, UNDERMINING AND FLOW AROUND BALES.
3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RUN-OFF OCCASIONAL RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER, OR 1/2 THE DEPTH OF THE CUT OFF DITCH OR 1/2 THE VOLUME OF THE SEDIMENT POND.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE ESC STRUCTURE IS NO LONGER REQUIRED SHALL BE GRADED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
6. ALL IMPROVED AND PERMANENT ESC PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
7. ALL TEMPORARY ESC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
8. AFTER COMPLETION OF ALL CLEARING, GRUBBING, EXCAVATION AND EMBANKMENT CONSTRUCTION, STEEP AND BARE SLOPES ARE TO BE PERMANENTLY AND OTHER AREAS DISTURBED DURING CONSTRUCTION. SITE MIXTURE SHOULD BE STREAM BANK WHEATGRASS (SEDAR) 33.3%, TALL WHEATGRASS (ULTRA) 33.3% AND INTERMEDIATE WHEATGRASS (TEREBAN) 33.3%. APPLICATION SHALL BE AT THE RATE OF 60 lbs/ACRE. SEED MIXTURE PER ACRE MAY SHALL INCLUDE 25 FERTILIZER MIX WHICH YIELDS 150 lbs/ACRE TOTAL NITROGEN AS N, 80 lbs/ACRE AVAILABLE AS PHOSPHORUS P2O5 AND 80 lbs/ACRE SOLUBLE POTASH K2O. THE SEED AND FERTILIZER MIXTURE SHALL BE SPREAD ON AN A MULCH WITH A MATCH OF TERRA TAC AS OR EQUAL AS APPLIED AT THE MANUFACTURER'S RECOMMENDED RATE. NO WOOD CELLULOSE FIBER APPLIED AT 150 lbs/ACRE. IN GENERAL, SEEDING MAY TAKE PLACE DURING THE MONTH OF APRIL THRU SEPTEMBER.



SEDIMENT BASIN WITH CULVERT OUTLET



ROCK CONSTRUCTION ENTRY

Janelle Pr for Brian Meloy
DEVELOPER'S APPROVAL

10-15-97
DATE

REV.	DATE	BY	DESCRIPTION
1	10/23/97	MEH	GRADING PER PLANNING DIV. REVIEW

SCALE: HORIZONTAL AS NOTED VERTICAL N/A

INLAND PACIFIC ENGINEERING
P.O. Box 279 • 5888-200 Sunset Hwy. Sedona, AZ 86336
(520) 282-6510 FAX: (520) 282-5616

THE RIDGE AT HANGMAN, EMERGENCY ACCESS ROAD
EROSION CONTROL PLAN

SHEET 8 of 8
JOB NUMBER 97066