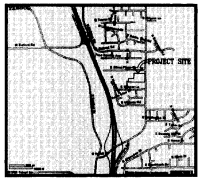
GOLDEN EAGLE ESTATES
ROAD, DRAINAGE, AND UTILITY PLANS

A PORTION OF THE NW 1/4 OF SECTION 29, T27N, R43E, W.M.

SPOKANE COUNTY, WASHINGTON



VICINITY MAP
NTS

GENERAL NOTES:

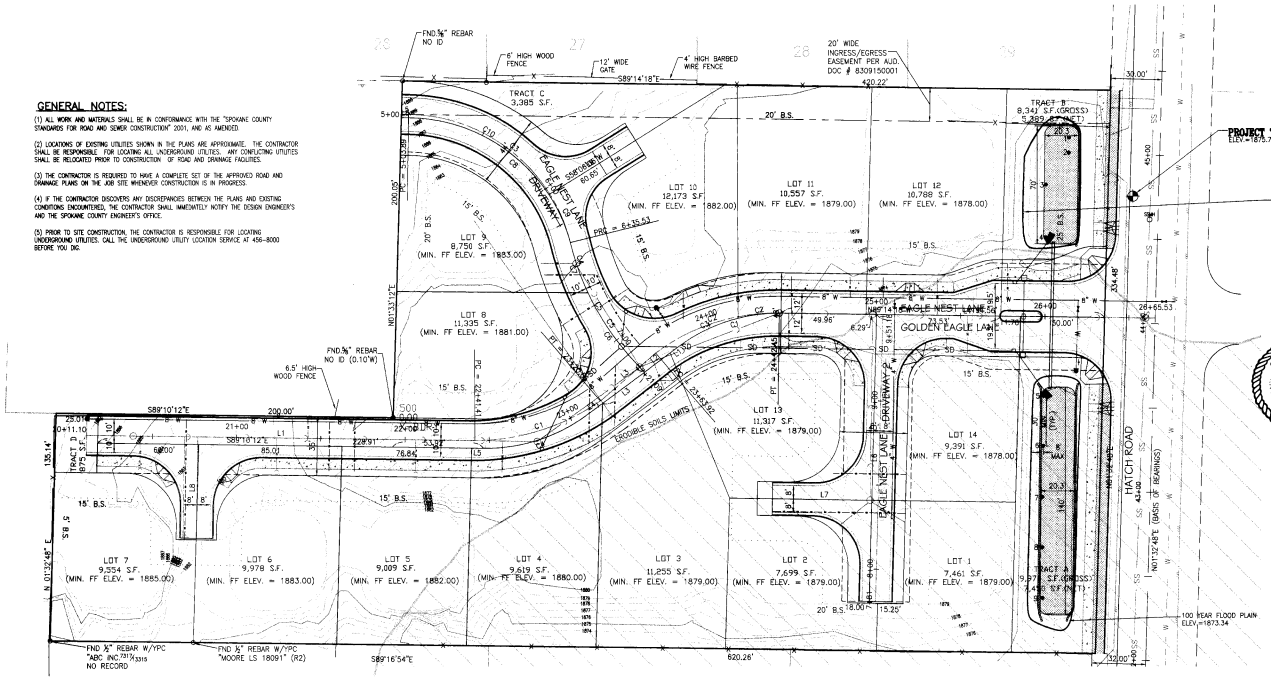
(1) ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 2001, AND AS AMENDED.

(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'S 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.



LEGEND

- PROPOSED CONTOURS
- FOUND 1/2" REB./YPC "MOORE PLS 18091"
- EXISTING STREET SIGN
- EXISTING GAS METER
- EXISTING POWER POLE
- EXISTING GUY WIRE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TELEPHONE RISER
- EXISTING EDGE OF PAVEMENT
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD POWER LINE
- PROPOSED SITE LIGHTING
- PROPOSED SEWER LINE
- PROPOSED SEWER MANHOLE
- PROPOSED 8" WATERLINE
- PROPOSED 4" WATERLINE
- PROPOSED WATER SERVICE
- PROPOSED HYDRANT ASSEMBLY
- PROPOSED GATE VALVE
- PROPOSED STORM DRAIN
- PROPOSED ROLLED CURB
- PROPOSED EDGE OF NEW ASPHALT
- PROPOSED DRAIN PIPE
- PROPOSED TYPE 1 CATCH BASIN
- PROPOSED ELEVATION
  FS – FINISHED SURFACE
  TC – TOP OF CURB
  TOW – TOP OF WALL
  CONC – CONCRETE
- PROPOSED DRAINAGE SWALE
- PROPOSED ASPHALT AREA
- PROPOSED BUILDING SETBACKS
- PROPOSED CONCRETE SIDEWALK

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1934
DATE ACCEPTED: 9/15/06

SHEET	DESCRIPTION
C1	COVER SHEET
C2	OVERALL DRAINAGE PLAN
C3	EAGLE NEST LANE PLAN & PROFILE
C4	DRIVEWAY 1&2 PLAN & PROFILES
C5	POND SECTIONS & DETAILS
C6	ROAD DETAILS
C7	DRAINAGE DETAILS
F1	HATCH ROAD FRONTAGE IMPROVEMENT PLAN
~~U1~~	~~OVERALL UTILITY PLAN~~
~~U2~~	~~EAGLE NEST LANE UTILITY PLAN & PROFILE~~
~~U3~~	~~DRIVEWAY 1&2 UTILITY PLAN & PROFILE~~
~~U4~~	~~WATER DETAILS~~
~~U5~~	~~SEWER DETAILS~~
~~E1~~	~~TEMPORARY EROSION CONTROL PLAN~~

RECORD DRAWING

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

STATE OF WASHINGTON
MICHAEL D. LEE
EXPIRES 12-13-06
7/14/06

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

NOTE:
CONTRACTOR MUST ADDRESS F.E.M.A. AND AND SPOKANE COUNTY FLOOD PLAIN DEVELOPMENT REGULATIONS AND OBTAIN A FLOOD PLAIN DEVELOPMENT PERMIT FOR ANY FUTURE DEVELOPMENT OR ACTIVITIES (STRUCTURES, GRADING, FILL, EXCAVATION, UTILITIES, ETC.) WITHIN TRACTS A AND B.

VERTICAL DATUM
Fnd. 1½" Alum. Cap (WSDOT) marked "RP" to E ½ line Elev.=1876.72 NAVD88

SURVEYORS NOTES
1.THIS IS NOT A BOUNDARY SURVEY. THE PARCEL LINES LOCATED HEREON ARE FROM FOUND MONUMENTATION LOCATED IN THE FIELD.

LEGAL DESCRIPTION
(FURNISHED BY FIRST AMERICAN TITLE ORDER NO. 4259-287285 DATED OCTOBER 14, 2003)

THE EAST 950.19 FEET OF THE NORTH HALF OF THE NORTH HALF OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 27 NORTH, RANGE 43 EAST, W.M., IN SPOKANE COUNTY, WASHINGTON; EXCEPT THE NORTH 200 FEET OF THE WEST 200 FEET THEREOF, AND HATCH ROAD.

GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 inch = 30 ft.

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

NO.	DATE	BY	APP.	REVISION

NOTE
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HAHN ENGINEERING, INC.
605 E. HOLLAND AVE., SUITE 112
SPOKANE, WA. 99218
(509) 467-1550 FAX (509) 467-8189
www.hahnengr.com

SCALE
HORIZ. 1" = 30'
VERT. N/A

		DATE
DRAWN:	PM/MEK	9/28/2004
DESIGNED:	PM/MEK	9/28/2004
APPROVED:	RGH	2/21/2005

MIKE BLAIR
GOLDEN EAGLE ESTATES

COVER SHEET

COVER SHEET NO. C/1

CAD FILE: 03-809CIVIL-ASB-ROADS

P1934 Eng As Built

SPOKANE COUNTY NOTES

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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.

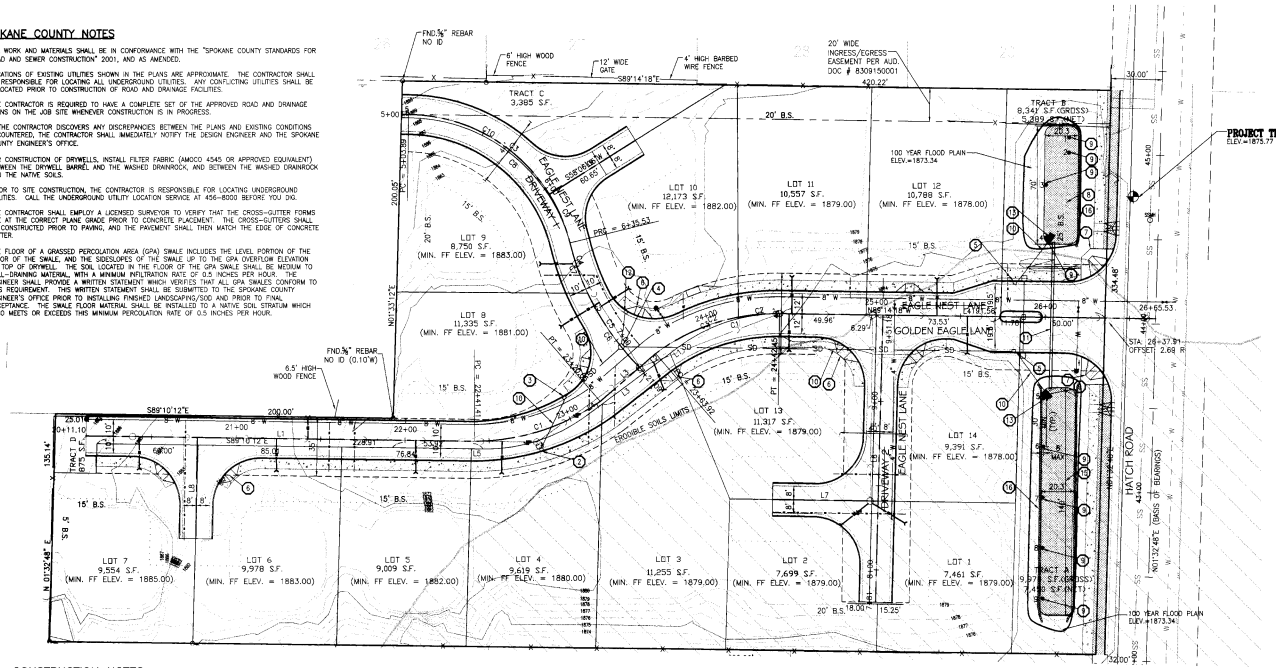
4) IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY ENGINEER'S OFFICE.

5) FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AMOCO 4545 OR APPROVED EQUIVALENT) BETWEEN THE DRYWELL BARREL AND THE WASHED DRAINROCK, AND BETWEEN THE WASHED DRAINROCK AND THE NATIVE SOILS.

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.

THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS-GUTTER FORMS ARE AT THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS-GUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE GUTTER.

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



DRYWELL TABLE

DW No.	TYPE	RIM EL.	STATION HATCH RD.	OFFSET LEFT
1	2	1870.34	45+09.02	54.16'
2	2	1870.34	45+01.02	53.91'
3	2	1870.34	44+79.02	67.10'
4	2	1870.34	44+49.02	66.44'
5	2	1870.34	43+55.79	64.95'
6	2	1870.34	43+25.79	64.51'
7	2	1870.34	42+95.79	64.06'
8	2	1870.34	42+65.79	63.27'
9	2	1870.34	42+35.79	62.46'

LEGEND

- PROPOSED CONTOURS
- FOUND MONUMENT
- EXISTING STREET SIGN
- EXISTING GAS METER
- EXISTING POWER POLE
- EXISTING GUY WIRE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING FENCE
- EXISTING WATER LINE
- EXISTING TELEPHONE RISER
- EXISTING EDGE OF PAVEMENT
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD POWER LINE
- PROPOSED SITE LIGHTING
- PROPOSED SEWER LINE
- PROPOSED SEWER MANHOLE
- PROPOSED 8" WATERLINE
- PROPOSED 4" WATERLINE
- PROPOSED WATER SERVICE
- PROPOSED HYDRANT ASSEMBLY
- PROPOSED GATE VALVE
- PROPOSED STROM DRAIN
- PROPOSED ROLLED CURB
- PROPOSED EDGE OF NEW ASPHALT
- PROPOSED DRAIN PIPE
- PROPOSED TYPE 1 CATCH BASIN
- PROPOSED DRAINAGE SWALE
- PROPOSED ASPHALT AREA
- PROPOSED BUILDING SETBACKS
- PROPOSED CONCRETE SIDEWALK

NOTE:
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CONSTRUCTION NOTES

1. INTENTIONALLY LEFT BLANK.
2. ~~STA. 22+87.49, 10.6' RT INSTALL CATCH BASIN RIM=1876.89, IE(E)1873.89.~~ STA. 22+78.80, 10.74' RT INSTALL CATCH BASIN RIM=1876.84, IE(E)1874.04.
3. ~~STA. 23+02.81, 12.41' LT INSTALL CATCH BASIN RIM=1877.05, IE(W)=1873.55, IE(E)=1873.55.~~ STA. 23+02.34, 12.64' LT INSTALL CATCH BASIN RIM=1876.97, IE(W)=1873.72, IE(E)=1873.62.
4. ~~STA. 23+51.08, 16.27' LT INSTALL STORM SEWER MANHOLE RIM=1877.98, IE(N)=1873.23, IE(W)=1873.23, IE(E)=1873.13.~~ STA. 23+51.72, 18.38' LT INSTALL STORM SEWER MANHOLE RIM=1877.95, IE(N)=1873.00, IE(W)=1873.00, IE(E)=1872.90.
5. ~~STA. 25+80.80, 10.5' RT & LT INSTALL CATCH BASIN RIM=1872.39, IE(W)=1870.15, IE(E)=1870.00.~~ STA. 25+81.66, 20.10' RT & LT INSTALL CATCH BASIN RIM=1873.14, IE(W)=1870.29, IE(E)=1870.19.
6. INSTALL TYPE A CURB RAMP (SEE DETAIL SHEET C/6).
7. INSTALL TYPE B CURB RAMP (SEE DETAIL SHEET C/6).
8. 208 DRAINAGE SWALE, BOTTOM AREA = 1,375 S.F., BOTTOM EL. = 1869.84 — 208 DRAINAGE SWALE, BOTTOM AREA = 1375 S.F., BOTTOM EL. = 1869.84
9. DRYWELL TYPE 2 SWALE PER SPOKANE COUNTY STANDARD.
10. 12"ø SDR35 STORM DRAIN LINE.
11. 12"ø PVC EQUALIZER LINE LAID LEVEL.
12. ~~STA. 6+80.52, 12.88' LT, INSTALL CATCH BASIN RIM=1878.12, IE(S)=1875.12.~~ STA. 6+90.03, 15.16' LT, INSTALL CATCH BASIN RIM=1877.84, IE(S)=1875.04.
13. ~~RIP-RAP SPLASH PAD AT STORM DRAIN OUTFALL (SEE DETAIL SHEET C/5).~~
14. INTENTIONALLY LEFT BLANK.
15. 208 DRAINAGE SWALE, BOTTOM AREA = 2,888 S.F., BOTTOM EL. = 1869.84 — 208 DRAINAGE SWALE, BOTTOM AREA = 2,888 S.F., BOTTOM EL. = 1869.84
16. ROCK RETAINING WALL.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
COMPARED REDLINE DRAWINGS
FILE: P1934
DATE: 5/14/06

ROAD CENTERLINES CURVE TABLE

CURVE	LENGTH	RADIUS
C1	79.24	130.67
C2	78.53	120.00
C3	131.64	180.00
C4	23.41	160.00
C5	62.15	160.00

ROAD CENTERLINES TABLE

LINE	LENGTH	BEARING
L1	232.31	S89°10'12"E
L3	43.27	N49°19'10"E
L4	223.08	S89°14'18"E
L5	4.16	S89°14'18"E
L6	170.18	N01°28'10"E
L7	62.00	S89°14'18"E
L8	60.00	N00°49'48"E
L9	60.00	S58°06'05"W

GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 inch = 30 ft.

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

RECORD DRAWING

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REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON — RANDALL G. HAHN — 19324 — EXPIRES 12-15-06

NO.	DATE	BY	APP.	REVISION

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SCALE
HORIZ. 1" = 30'
VERT. N/A

		DATE
DRAWN:	PM/MEK	9/28/2004
DESIGNED:	PM	9/28/2004
APPROVED:	RGH	2/21/2005

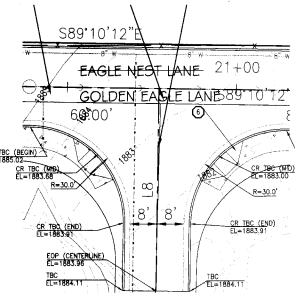
MIKE BLAIR
GOLDEN EAGLE ESTATES

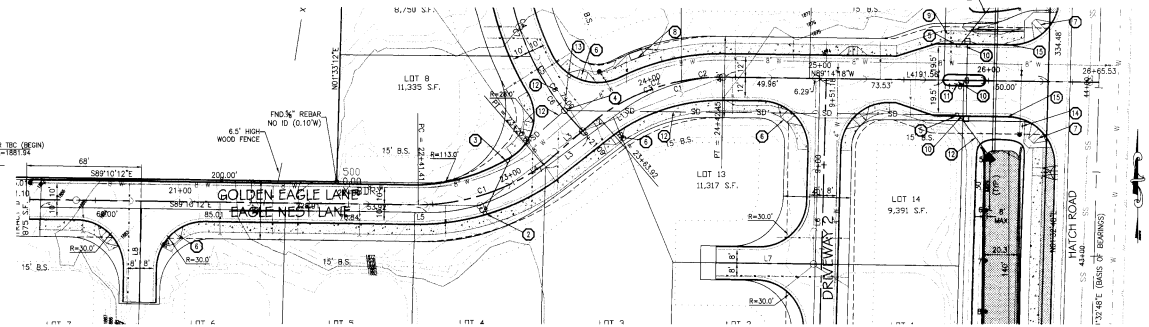
OVERALL DRAINAGE PLAN

DRAIN
SHEET NO. C/2

CAD FILE: 03-809CWLD-ASB-ROADS

P1934 Eng As Built





LEGEND

- 997 — PROPOSED CONTOURS
- 995 — FOUND 1/2" REB./YPC "MOORE PLS 18091"
- EXISTING STREET SIGN
- EXISTING GAS METER
- EXISTING POWER POLE
- EXISTING GUY WIRE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TELEPHONE RISER
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- EXISTING GAS LINE
- EXISTING OVERHEAD POWER LINE
- PROPOSED SITE LIGHTING
- PROPOSED SEWER LINE
- PROPOSED SEWER MANHOLE
- 8"W — PROPOSED 8" WATERLINE
- 4"W — PROPOSED 4" WATERLINE
- WS — PROPOSED WATER SERVICE
- PROPOSED HYDRANT ASSEMBLY
- PROPOSED GATE VALVE
- SD — PROPOSED STORM DRAIN
- PROPOSED ROLLED CURB
- PROPOSED EDGE OF NEW ASPHALT
- PROPOSED DRAIN PIPE
- PROPOSED TYPE 1 CATCH BASIN
- PROPOSED DRAINAGE SWALE
- PROPOSED ASPHALT AREA
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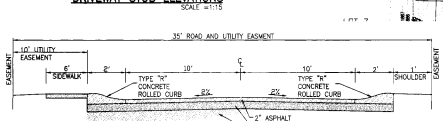
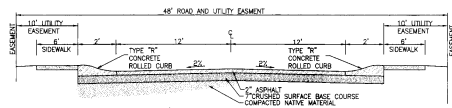
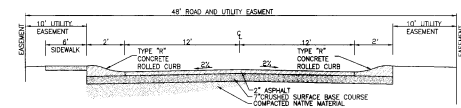


35' EASEMENT TYPICAL SECTION
(STA. 20+36.70 TO STA. 22+41.43) NTS



48' EASEMENT TYPICAL SECTION
(STA. 23+65 TO STA. 24+74.85) NTS



48' EASEMENT TYPICAL SECTION
(STA. 24+74.75 TO STA. 25+45.85) NTS

GRAPHIC SCALE
0 15 30 60
(IN FEET)

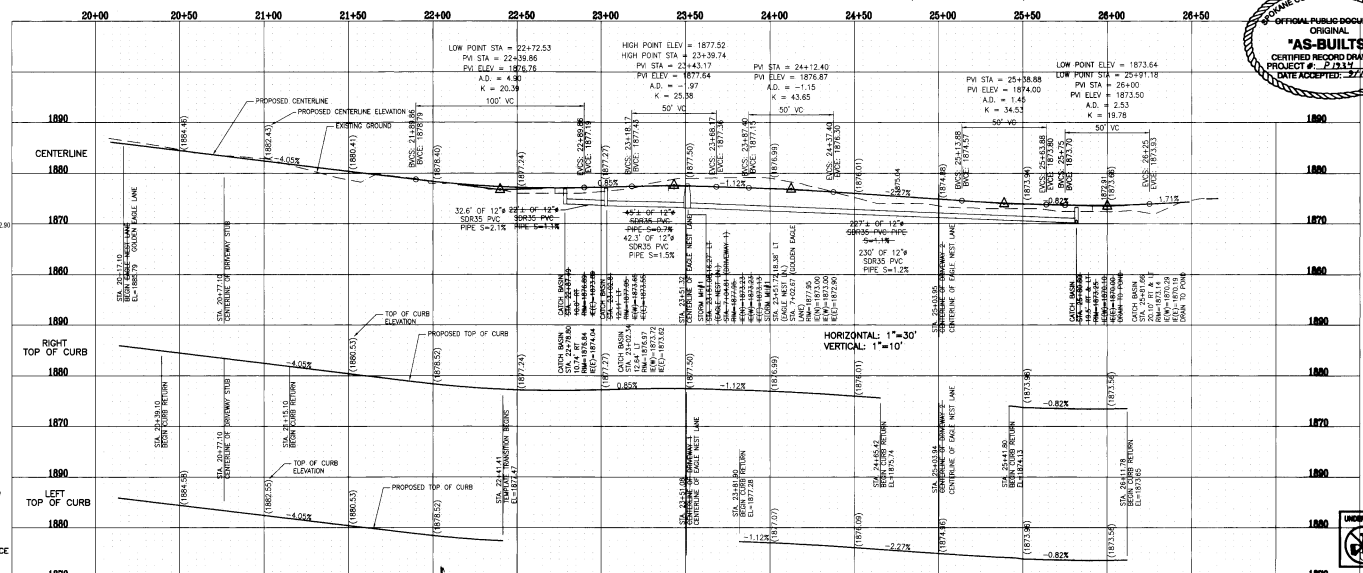
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1934
DATE ACCEPTED: 2/21/06

ENGINEER'S NOTES:

1. ALL SIGNS MUST BE LOCATED AS SPECIFIED IN THE M.U.T.C.D. AND SHALL BE INSTALLED PER SPOKANE COUNTY STANDARDS. ALL STOP SIGNS SHALL BE M.U.T.C.D. NO. R1-1 30" x 30". ALL STREET NAME SIGNS SHALL BE SPOKANE COUNTY STANDARD PLAN NO. A-16.

CONSTRUCTION NOTES

1. INTENTIONALLY LEFT BLANK.
2. ~~STA. 22+87.49, 10.0'RT~~ INSTALL CATCH BASIN ~~RIM=1876.89, IE(E)=1873.89.~~ STA. 22+78.80, 10.74' RT, RIM=1876.89, IE(E)=1874.04
3. ~~STA. 23+02.81, 12.14' LT~~ INSTALL CATCH BASIN ~~RIM=1877.05, IE(W)=1873.65, IE(E)=1873.55.~~ STA. 23+02.34, 12.64' RT, RIM=1876.87, IE(W)=1873.72, IE(E)=1873.62
4. ~~STA. 23+51.00, 16.97' LT~~ INSTALL STORM SEWER MANHOLE ~~RIM=1877.05, IE(N)=1873.23, IE(W)=1873.23, IE(E)=1873.13.~~ STA. 23+51.72, 18.38' RT, RIM=1877.95, IE(N)=1873.0, IE(W)=1873.0, IE(E)=1872.90
5. ~~STA. 25+30.80, 10.5' RT~~ & L3 INSTALL CATCH BASIN ~~RIM=1872.39, IE(W)=1870.15, IE(E)=1870.05.~~ STA. 25+81.66, 20.10' RT, RIM=1873.14, IE(W)=1870.29, IE(E)=1870.19
6. INSTALL TYPE A CURB RAMP (SEE DETAIL SHEET C/6).
7. INSTALL TYPE B CURB RAMP (SEE DETAIL SHEET C/6).
8. MAILBOX LOCATION (REFER TO LANDSCAPE PLANS).
9. WANDERING SIDEWALK (REFER TO LANDSCAPE PLANS).
10. GATE MOUNTING TOWERS (REFER TO LANDSCAPE PLANS).
11. TRAFFIC ISLAND BEGIN STA. 25+73.00 TO END 25+98.50 (SEE DETAIL SHEET C/6).
12. 12"ø SDR35 PVC STORM DRAIN LINE.
13. ~~STA. 0+08.52, 12.88' LT~~ INSTALL CATCH BASIN ~~RIM=1878.12, IE(S)=1875.12.~~ STA. 06+90.03, 15.16' LT, RIM=187.84, IE(S)=1875.04
14. STA. 26+20.50, 26.75' RT INSTALL STOP SIGN AND ROAD SIGN PER SPOKANE COUNTY STANDARD FOR EAGLE NEST LANE AND HATCH ROAD.
15. TRANSITION FROM TYPE "N" ROLLED CURB TO TYPE "B" CURB AND GUTTER WITHIN 2.0' OF CURB RETURN.



RECORD DRAWING

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RANDELL G. HAHN — STATE OF WASHINGTON — 18091 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 12-15-06

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456-8000
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NO.	DATE	BY	APP.	REVISION

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SCALE		DRAWN: PM/MEK	DATE 9/28/2004
HORIZ.	1" = AS SHOWN	DESIGNED: PM	9/28/2004
VERT.	AS SHOWN	APPROVED: RGH	2/21/2005

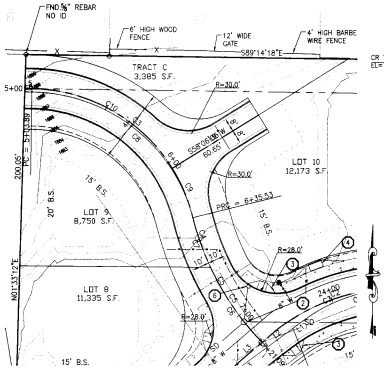
MIKE BLAIR
GOLDEN EAGLE ESTATES

EAGLE NEST LANE PLAN AND PROFILE

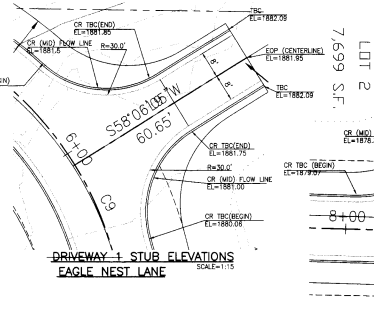
ROAD
SHEET NO. C/3

CAD FILE: 03-190XDL-ASB-ROADS

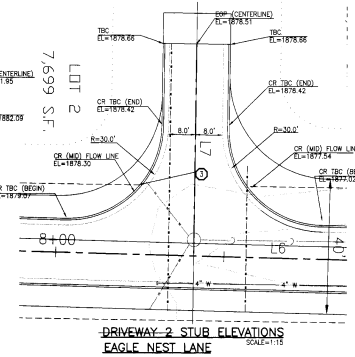
P-1934 Emp's Built



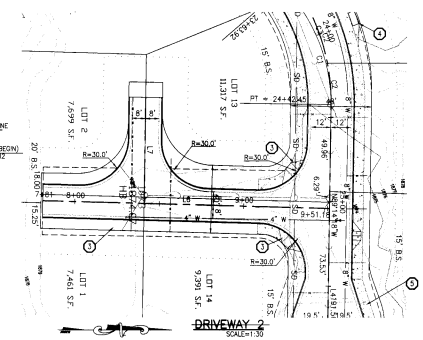
DRIVEWAY 1
SCALE=1:30
EAGLE NEST LANE



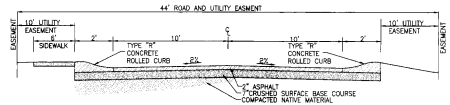
DRIVEWAY 1 STUB ELEVATIONS
EAGLE NEST LANE
SCALE=1:15



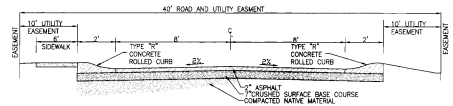
DRIVEWAY 2 STUB ELEVATIONS
EAGLE NEST LANE
SCALE=1:15



DRIVEWAY 2
SCALE=1:30
EAGLE NEST LANE



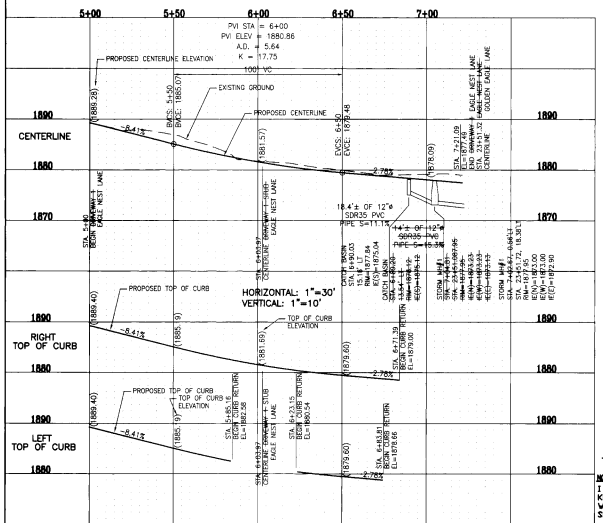
44' EASEMENT TYPICAL SECTION
(STA. 5+00 TO STA. 6+79)
NTS



40' EASEMENT TYPICAL SECTION
(STA. 8+00 TO STA. 9+22.16)
NTS

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1934
DATE ACCEPTED: 9/14/06

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



CONSTRUCTION NOTES

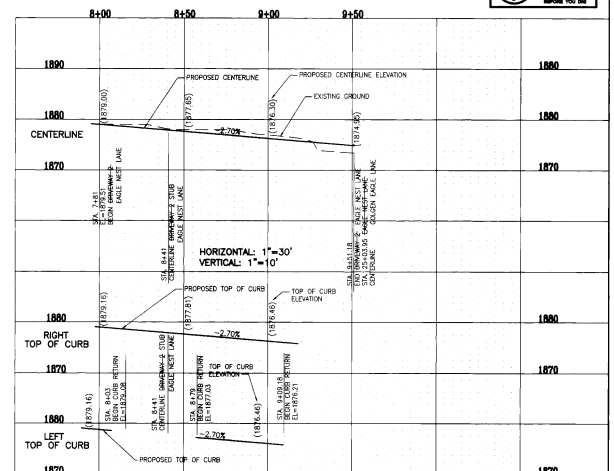
1. INTENTIONALLY LEFT BLANK.
2. ~~STA. 23+51.08, 16.27'LT, (EAGLE NEST LANE). STA. 7+04.8 (DRIVEWAY 1) INSTALL STORM SEWER MANHOLE RIM=1877.95, IE(W)=1873.23, IE(W)=1873.23, IE(E)=1873.13.~~
   STA. 23+51.72, 18.38'LT, (GOLDEN EAGLE LANE)
   STA. 7+02.67, 0.56'LT, (EAGLE NEST LANE)
   RIM=1877.95, IE(N)=1873.00, IE(W)=1873.00, IE(E)=1872.90
3. INSTALL TYPE A CURB RAMP (SEE DETAIL SHEET C/6).
4. MAILBOX LOCATION (REFER TO LANDSCAPE PLANS).
5. WANDERING SIDEWALK (REFER TO LANDSCAPE PLANS).
6. ~~STA. 0+89.52, 12.85'LT INSTALL CATCH BASIN RIM=1878.12, IE(S)=1875.12.~~
   STA. 6+90.03, 15.16'LT, RIM=1877.84, IE(S)=1875.04

ENGINEER'S NOTES:

1. ALL SIGNS MUST BE LOCATED AS SPECIFIED IN THE M.U.T.C.D. AND SHALL BE INSTALLED PER SPOKANE COUNTY STANDARDS. ALL STOP SIGNS SHALL BE M.U.T.C.D. NO. R1-1 30" x 30", ALL STREET NAME SIGNS SHALL BE SPOKANE COUNTY STANDARD PLAN NO. A-16.

LEGEND

- 992 — PROPOSED CONTOURS
- FOUND 1/2" REB./YPC "MOORE PLS 18091
- EXISTING STREET SIGN
- EXISTING GAS METER
- EXISTING POWER POLE
- EXISTING GUY WIRE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TELEPHONE RISER
- EXISTING EDGE OF PAVEMENT
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD POWER LINE
- PROPOSED SITE LIGHTING
- PROPOSED SEWER LINE
- PROPOSED SEWER MANHOLE
- 8"W — PROPOSED 8" WATERLINE
- 4"W — PROPOSED 4" WATERLINE
- WS — PROPOSED WATER SERVICE
- PROPOSED HYDRANT ASSEMBLY
- PROPOSED GATE VALVE
- SD — PROPOSED STORM DRAIN
- PROPOSED ROLLED CURB
- PROPOSED EDGE OF NEW ASPHALT
- PROPOSED DRAIN PIPE
- PROPOSED TYPE I CATCH BASIN
- PROPOSED DRAINAGE SWALE
- PROPOSED ASPHALT AREA
- PROPOSED BUILDING SETBACKS
- PROPOSED CONCRETE SIDEWALK



RECORD DRAWING

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

NO.	DATE	BY	APP.	REVISION

NOTE
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REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON — RANDY G. HAHN — 22331 — EXPIRES 12-15-06

HAHN ENGINEERING, INC.
605 E. HOLLAND AVE., SUITE 112
SPOKANE, WA. 99218
(509) 467-1550 FAX (509) 467-8189
www.hahnengr.com

SCALE
HORIZ. 1" = AS SHOWN
VERT. AS SHOWN

		DATE
DRAWN:	PM/MEK	9/28/2004
DESIGNED:	PM	9/28/2004
APPROVED:	RGH	2/21/2005

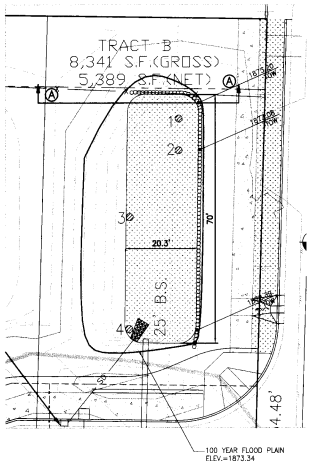
MIKE BLAIR
GOLDEN EAGLE ESTATES

DRIVEWAY 1&2 PLAN & PROFILE

ROAD
SHEET NO. C 4

CAD FILE: 03-809CWL-ASB-ROADS

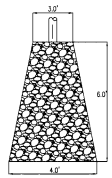
P-1934



NORTH SWALE
1" = 15'

LEGEND

992 / 990	– PROPOSED CONTOURS
	– FOUND 1/2" REB./YPC "MOORE PLS 18091
	– EXISTING STREET SIGN
	– EXISTING GAS METER
	– EXISTING POWER POLE
	– EXISTING GUY WIRE
	– EXISTING WATER VALVE
	– EXISTING FIRE HYDRANT
	– EXISTING WATER METER
	– EXISTING TELEPHONE RISER
	– EXISTING EDGE OF PAVEMENT
	– EXISTING SANITARY SEWER LINE
	– EXISTING WATER LINE
	– EXISTING GAS LINE
	– EXISTING OVERHEAD POWER LINE
	– PROPOSED SITE LIGHTING
	– PROPOSED SEWER LINE
	– PROPOSED SEWER MANHOLE
8"W	– PROPOSED 8" WATERLINE
4"W	– PROPOSED 4" WATERLINE
WS	– PROPOSED WATER SERVICE
	– PROPOSED HYDRANT ASSEMBLY
	– PROPOSED GATE VALVE
SD	– PROPOSED STORM DRAIN
	– PROPOSED ROLLED CURB
	– PROPOSED EDGE OF NEW ASPHALT
	– PROPOSED DRAIN PIPE
	– PROPOSED TYPE 1 CATCH BASIN
	– PROPOSED DRAINAGE SWALE
	– PROPOSED ASPHALT AREA
	– PROPOSED BUILDING SETBACKS
	– PROPOSED CONCRETE SIDEWALK



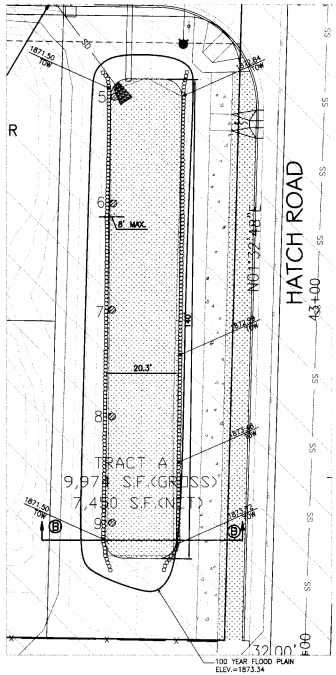
RIP-RAP PAD
(NTS)

NOTE:
THE ROCK RIP RAP SHALL MEET THE FOLLOWING GRADATION:
D_{50} = 6"
4" – 5/8" MINUS BASE MATERIAL

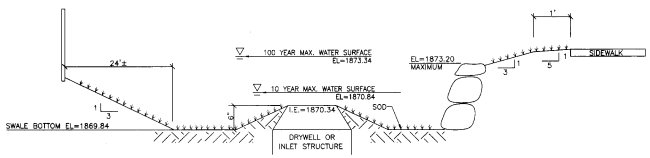
DRYWELL TABLE

DW No.	TYPE	RIM EL.	STATION HATCH RD.	OFFSET LEFT
1	2	1870.34	45+09.02	54.16'
2	2	1870.34	45+01.02	53.91'
3	2	1870.34	44+79.02	67.10'
4	2	1870.34	44+49.02	66.44'
5	2	1870.34	43+55.79	64.95'
6	2	1870.34	43+25.79	64.51'
7	2	1870.34	42+95.79	64.08'
8	2	1870.34	42+65.79	63.27'
9	2	1870.34	42+35.79	62.46'

NOTE:
CONTRACTOR MUST ADDRESS F.E.M.A. AND AND SPOKANE COUNTY FLOOD PLAIN DEVELOPMENT REGULATIONS AND OBTAIN A FLOOD PLAIN DEVELOPMENT PERMIT FOR ANY FUTURE DEVELOPMENT OR ACTIVITIES (STRUCTURES, GRADING, FILL, EXCAVATION, UTILITIES, ETC.) WITHIN TRACTS A AND B.

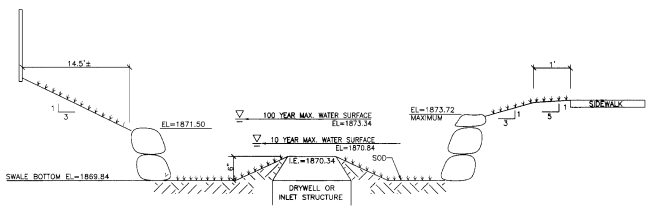


SOUTH SWALE
1" = 15'



SECTION A–A
TYPICAL "208" SWALE
(NTS)

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1934
DATE ACCEPTED: 9/17/06



SECTION B–B
TYPICAL "208" SWALE
(NTS)

RECORD DRAWING

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

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

NO.	DATE	BY	APP.	REVISION

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RANDELL O. HAHN
STATE OF WASHINGTON
EXP. 12-15-06
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 12-15-06

HAHN ENGINEERING, INC.
605 E. HOLLAND AVE., SUITE 112
SPOKANE, WA. 99218
(509) 467-1550 FAX (509) 467-8189
www.hahnengr.com

SCALE
HORIZ. 1" = 15'
VERT. 1" = NA

		DATE
DRAWN:	PM/MEK	9/28/2004
DESIGNED:	PM	9/28/2004
APPROVED:	RGH	2/21/2005

MIKE BLAIR
GOLDEN EAGLE ESTATES

POND SECTIONS DETAILS

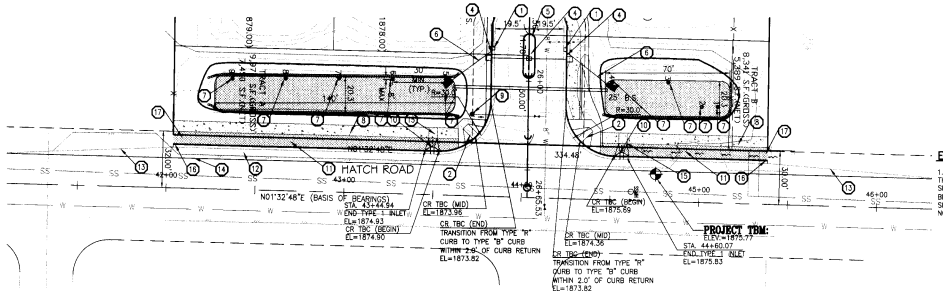
ROAD
SHEET NO. C / 5

CAD FILE: 03-209CIVIL-ASB-ROADS

P-1934 Engr's Bullet

CONSTRUCTION NOTES

1. ~~STA. 25+80.80, 19.5'~~ RT & LT INSTALL CATCH BASIN ~~RIM=1872.39, IE(W)=1870.10, IE(E)=1870.00.~~ STA. 25+81.76, 19.95'RT, RIM=1873.11, IE(W)=1870.36, IE(E)=1870.26
2. INSTALL TYPE B CURB RAMP (SEE DETAIL SHEET C/6).
3. INTENTIONALLY LEFT BLANK.
4. GATE MOUNTING TOWERS (REFER TO LANDSCAPE PLANS).
5. TRAFFIC ISLAND BEGIN STA. 25+72 TO END 25+98 (SEE DETAIL SHEET C/5).
6. 32'± OF 12"ø SDR35 PVC STORM DRAIN LINE, S=0.5%.
7. INSTALL DRYWELL TYPE A SWALE.
8. EXISTING SEWER SERVICE STUB.
9. INSTALL FIRE HYDRANT PER WHITWORTH WATER DISTRICT STANDARD.
10. INSTALL TYPE 1 CURB INLET.
11. GRASS SWALE AREA.
12. NEW ASPHALT WIDENING, AREA=2575.0sf±.
13. 100' ASPHALT TAPER, COORDINATE WITH NEIGHBORING PROPERTIES WHEN CONSTRUCTING TAPER.
14. SAWCUT LINE 17.0' OFFSET FROM HATCH ROAD CENTERLINE.
15. INSTALL TYPE 2 INLET.
16. 1.0' TYPE "B" CURB NOSE.
17. GRADE PROPOSED CONVEYANCE DITCH TO MATCH EXISTING HATCH ROAD DRAINAGE DITCH TO FLOW TO TYPE 1 CURB INLET.



ENGINEER'S NOTES:

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LEGEND

- 992 — EXISTING CONTOURS
- 990 — EXISTING CONTOURS
- FOUND 1/2" REB./YPC "MOORE PLS 18091
- EXISTING STREET SIGN
- EXISTING GAS METER
- EXISTING POWER POLE
- EXISTING GUY WIRE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TELEPHONE RISER
- EXISTING EDGE OF PAVEMENT
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD POWER LINE
- PROPOSED SITE LIGHTING
- PROPOSED SEWER LINE
- PROPOSED SEWER MANHOLE
- 8"W — PROPOSED 8" WATERLINE
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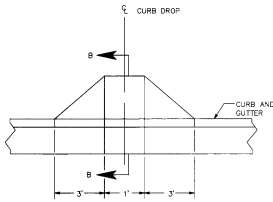
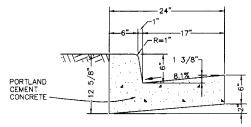
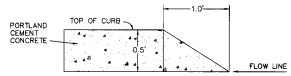
- WS — PROPOSED WATER SERVICE
- PROPOSED HYDRANT ASSEMBLY
- PROPOSED GATE VALVE
- SD — PROPOSED STORM DRAIN
- PROPOSED ROLLED CURB
- PROPOSED EDGE OF NEW ASPHALT
- PROPOSED DRAIN PIPE
- PROPOSED TYPE 1 CATCH BASIN
- EXISTING ELEVATION
- PROPOSED ELEVATION
  - FS — FINISHED SURFACE
  - TS — TOP OF CURB
  - TOW — TOP OF WALL
  - CONC — CONCRETE
- PROPOSED DRAINAGE SWALE
- PROPOSED ASPHALT AREA
- PROPOSED BUILDING SETBACKS
- PROPOSED CONCRETE SIDEWALK





TYPE "B" CURB

QUANTITY = 0.047657 C.Y. / L.F.



1.0' CURB NOSE

NTS

GENERAL NOTES

1. PORTLAND CEMENT CONCRETE SHALL BE CLASS 3000 CONFORMING TO THE STANDARD SPECIFICATIONS.
2. WEAKENED PLANE JOINTS FOR PORTLAND CEMENT CONCRETE SHALL BE PLACED AT 15' INTERVALS.
3. 3/8" EXPANSION JOINTS IN PORTLAND CEMENT CONCRETE SHALL BE PLACED AT CURB RETURNS.
4. EPOXY CEMENT SHALL BE APPLIED AT A 10-15 MIL THICKNESS AND SHALL CONFORM TO THE REQUIREMENTS OF SECTION 9-26 OF THE STANDARD SPECIFICATIONS.
5. CURBS SHALL HAVE A LIGHT BROOMED FINISH. GUTTERS SHALL BE FINISHED WITH A STEEL TROWEL.

GENERAL NOTES

1. CURB INLET SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (AASHTO M 199) & ASTM C 890 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE PROJECT SPECIAL PROVISIONS.
2. TOP SURFACE TO BE BROOM FINISHED.
3. ALL EXTERNAL EDGES NOT LABELED SHALL BE TROWELLED WITH 1/4" RADIUS EDGER.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1934
DATE ACCEPTED: 9/17/06

RANDELL GIBBS
STATE OF WASHINGTON
47
REGISTERED PROFESSIONAL ENGINEER
7/14
EXPIRES 12-18-06

RECORD DRAWING

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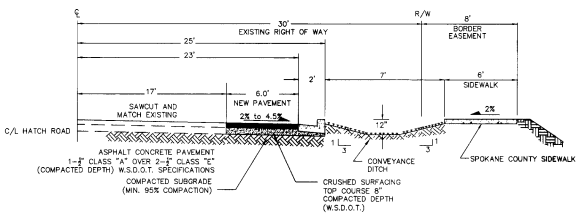
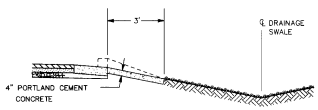
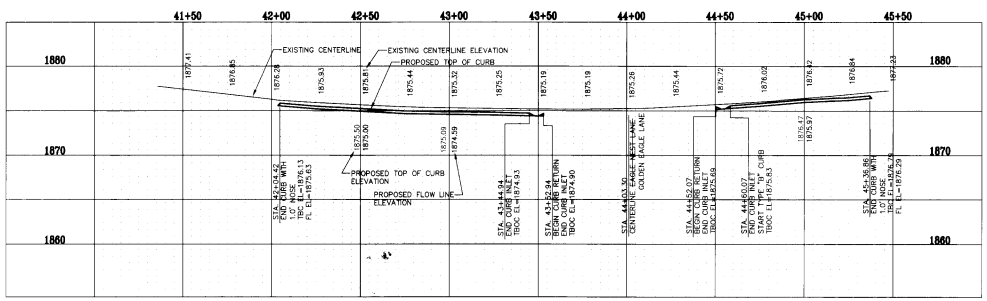


ROAD WIDENING SECTION



SECTION B-B

CURB INLET TYPE 1



GRAPHIC SCALE

0 15 30 60

(IN FEET)
1 inch = 30 ft.

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

NO.	DATE	BY	APP.	REVISION

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SPOKANE, WA. 99218
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SCALE
HORIZ. 1" = 30'
VERT. N/A

		DATE
DRAWN:	PM	9/28/2004
DESIGNED:	PM	9/28/2004
APPROVED:	RGH	2/21/2005

MIKE BLAIR
GOLDEN EAGLE ESTATES

ROAD

SHEET NO. F 1

HATCH ROAD FRONTAGE IMPROVEMENT PLAN

CAD FILE: 03-809CIVIL-ASB-ROADS

P-1934 Eagle Built