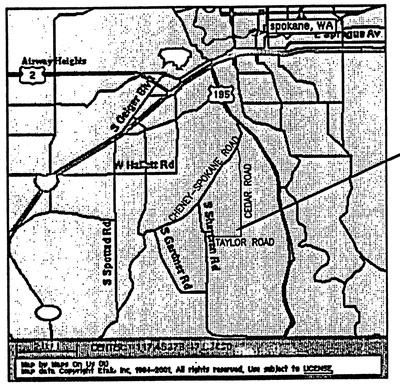
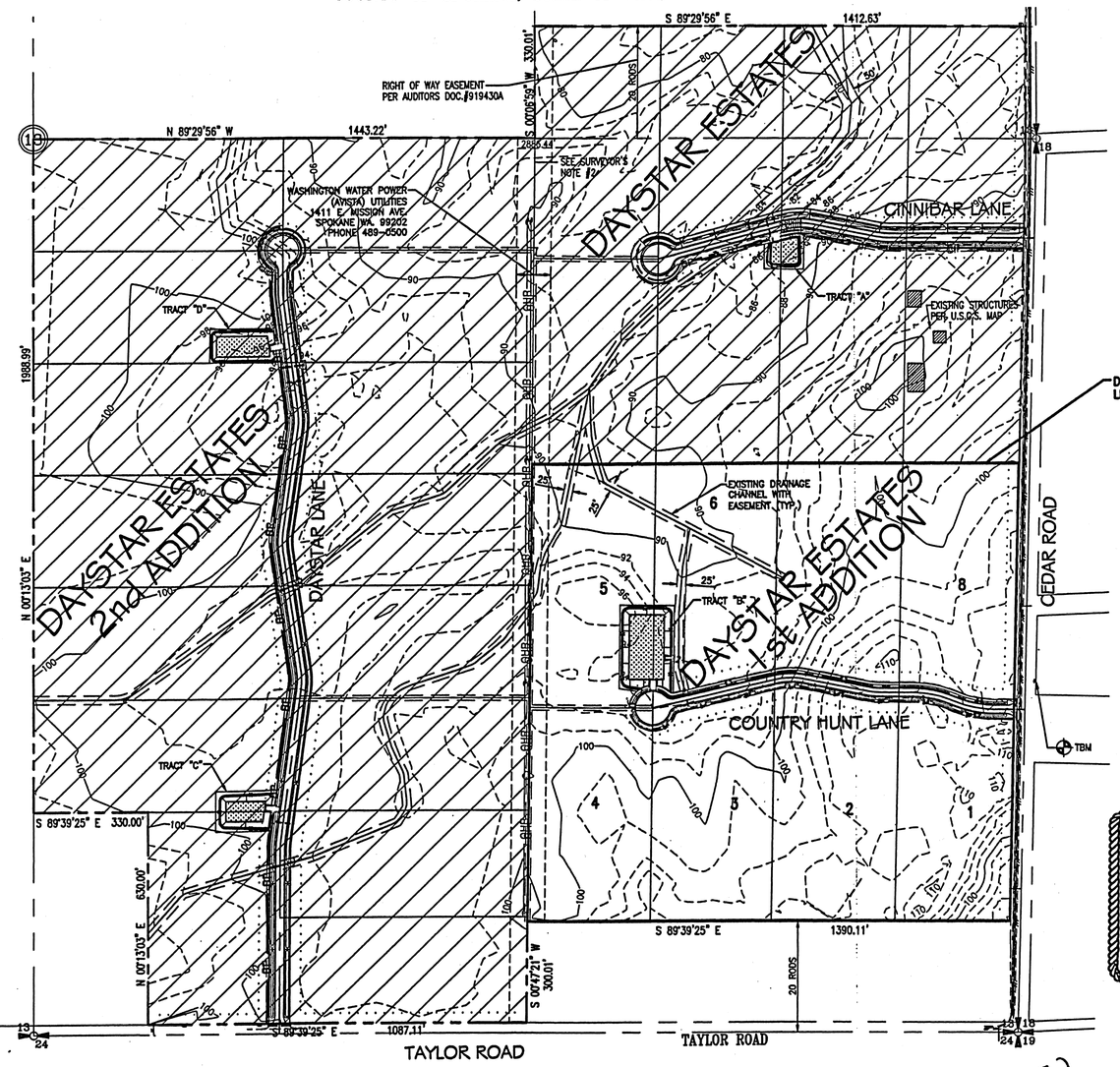
DAYSTAR ESTATES – 1st ADDITION
OVERALL ROAD/DRAINAGE

A PORTION OF THE EAST 1/2 OF SECTION 13, T24N, R42E, W.M.
COUNTY OF SPOKANE, STATE OF WASHINGTON



PROJECT LOCATION

VICINITY MAP



DAYSTAR ESTATES–1st ADDITION LIMITS OF CONSTRUCTION

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1873A
DATE ACCEPTED: 9/27/04

SHEET INDEX

C1 COVER SHEET
C2 CINNIBAR LANE
C3 EVAPORATION PONDS & DETAILS
C4 EROSION CONTROL PLAN
C5 CEDAR ROAD WIDENING (10+00 TO 25+50)
C6 CEDAR ROAD WIDENING (25+50 TO 39+71.58)
C7 INTERSECTION SIGHT DISTANCE ANALYSIS

GENERAL NOTES:

(1) All work and materials shall be in conformance with the "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 1999, 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.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1873A
DATE ACCEPTED: 06-16-03
ACCEPTANCE EXPIRES: 06-16-05
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.20
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

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

PROJECT TBM:
SET 60D NAIL IN FIRST POWER POLE NORTH OF PROPOSED INTERSECTION OF COUNTRY HUNT LANE & CEDAR ROAD.
EL. = 108.16

RANDELL G. HAHN, STATE OF WASHINGTON, 16247, REGISTERED PROFESSIONAL ENGINEER
4/13/04
EXPIRES 12-15-04

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.

"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."

ENGINEER'S APPROVAL — DATE 06/05/03

DEVELOPER — DATE 6-3-03

RECORD DRAWINGS

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

NO.	DATE	BY	APP.	REVISION
1	4/10/04	RGH		As-Builts

NOTE:
THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE TRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

WADE M. GELHAUSEN, STATE OF WASHINGTON, 23948, REGISTERED PROFESSIONAL ENGINEER
06/04/03
EXPIRES 11/21/03

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

SCALE		DRAWN:	DATE
HORIZ.	1" = 200'	SWF	6/02/03
VERT.	N/A	DESIGNED: WMG	6/02/03
		APPROVED: WMG	

DAYSTAR ESTATES–1st ADDITION
PRIVATE ROAD PLANS

OVERALL COVER SHEET

COVER
SHEET NO. C / 1

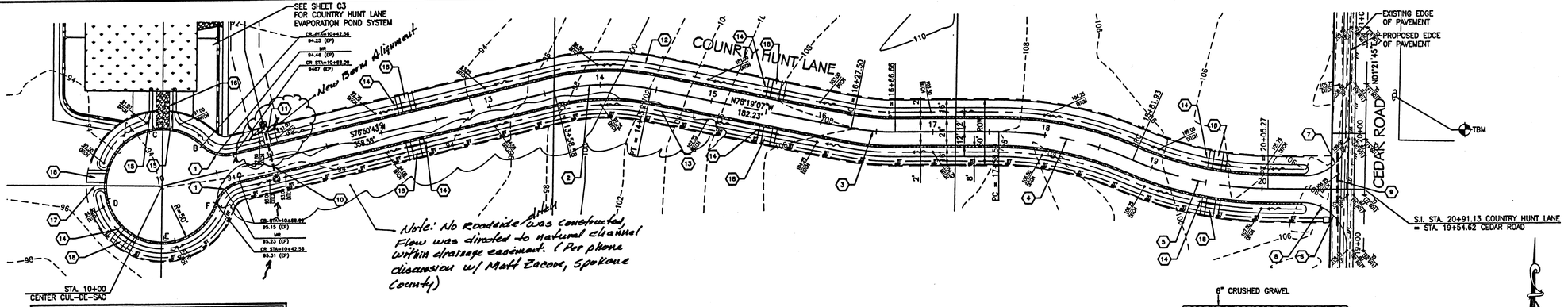
CAD FILE: 00-137PH2-TITLE

P-1873A Eng As Builts

B:\gdeg\LandProjects\00-137\dwg\00-137PH2-TITLE.dwg, 06/03/2003 09:39:53 AM, Scott Franger

CONSTRUCTION NOTES:

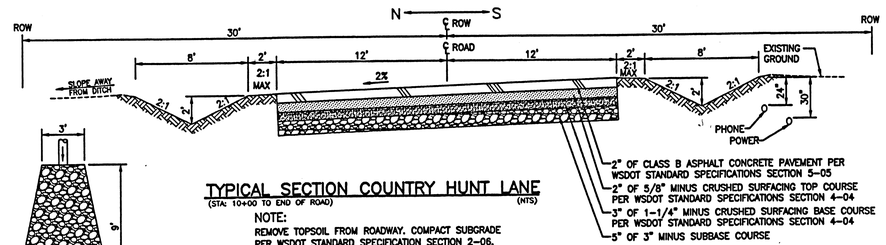
1. SEE CURVE TABLE ON THIS SHEET FOR EDGE OF PAVEMENT CURVE INFORMATION.
2. SEE CURVE TABLE ON THIS SHEET FOR CENTERLINE CURVE INFORMATION.
3. SEE CURVE TABLE ON THIS SHEET FOR CENTERLINE CURVE INFORMATION.
4. SEE CURVE TABLE ON THIS SHEET FOR CENTERLINE CURVE INFORMATION.
5. SEE CURVE TABLE ON THIS SHEET FOR CENTERLINE CURVE INFORMATION.
6. SEE CURVE TABLE ON THIS SHEET FOR EDGE OF PAVEMENT CURVE INFORMATION.
7. SEE CURVE TABLE ON THIS SHEET FOR EDGE OF PAVEMENT CURVE INFORMATION.
8. INSTALL STOP AND STREET SIGNS PER SPOKANE COUNTY STANDARDS.
9. 65'± OF 12" ø CMP CULVERT, STA 20+62 I.E.(S)= 106.38, I.E.(N)= 105.90 S= 0.007
10. INSTALL 50'± OF 12"ø HDPE CULVERT UNDER ROADWAY, STA 11+00, I.E.(S)= 92.35, I.E.(N)= 91.85, S= 0.010, INSTALL 12" DEEP ROCK RIP-RAP PAD (3" TO 6" DIA.) AT ENTRANCE AND EXIT OF CULVERT, SEE DETAIL THIS SHEET
11. 5' WIDE BERM, ELEV.= 94.00, Constructed 90° to Plan
12. CONVEYANCE DITCH FOR COLLECTION OF ROAD RUNOFF, SLOPE TO EVAPORATION POND @ S=0.005 MINIMUM
13. ~~CONVEYANCE DITCH FOR COLLECTION OF PRE-DEVELOPED ON-SITE RUNOFF, SLOPE TO CULVERT @ S=0.005 MINIMUM~~ SEE NOTE
14. DRIVEWAY CULVERT, 20'± OF 12"ø HDPE. MATCH I.E.'S TO BOTTOM OF DITCH, TO BE INSTALLED BY HOMEOWNER
15. 2' WIDE BERM/SPILLWAY, ELEV.= 93.50
16. 12' WIDE MAINTENANCE ACCESS ROAD TO POND
17. 5' WIDE BERM, ELEV.= 95.10
18. DRIVEWAY LOCATION. LOCATION IS NOT PERMANENT AND IS SHOWN AS REPRESENTATION OF A TYPICAL SCENARIO. DRIVEWAY SHALL BE CONSTRUCTED BY HOMEOWNER.



CURVE INFORMATION				
	RADIUS	TANGENT	LENGTH	DELTA
1	30' EP	15.93	29.29	55°56'39"
2	200' CL	42.21	86.69	24°50'05"
3	200' CL	19.64	39.16	11°13'06"
4	300' CL	62.55	123.34	23°33'22"
5	300' CL	62.55	123.34	23°33'22"
6	40' EP	40.63	63.46	90°53'59"
7	40' EP	39.37	62.20	89°05'41"

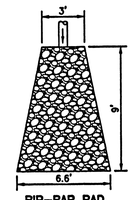
ENGINEER'S NOTES:

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.

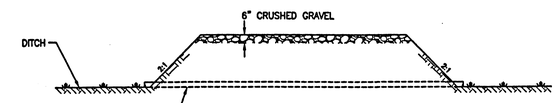


TYPICAL SECTION COUNTRY HUNT LANE
(STA: 10+00 TO END OF ROAD) (NTS)

NOTE:
REMOVE TOPSOIL FROM ROADWAY. COMPACT SUBGRADE PER WSDOT STANDARD SPECIFICATION SECTION 2-06.



RIP-RAP PAD (NTS)



20'± OF 12"ø HDPE CULVERT S=0.010 MIN., I.E.'S SHALL MATCH DITCH BOTTOM

TYPICAL DRIVEWAY DETAIL
(NTS)

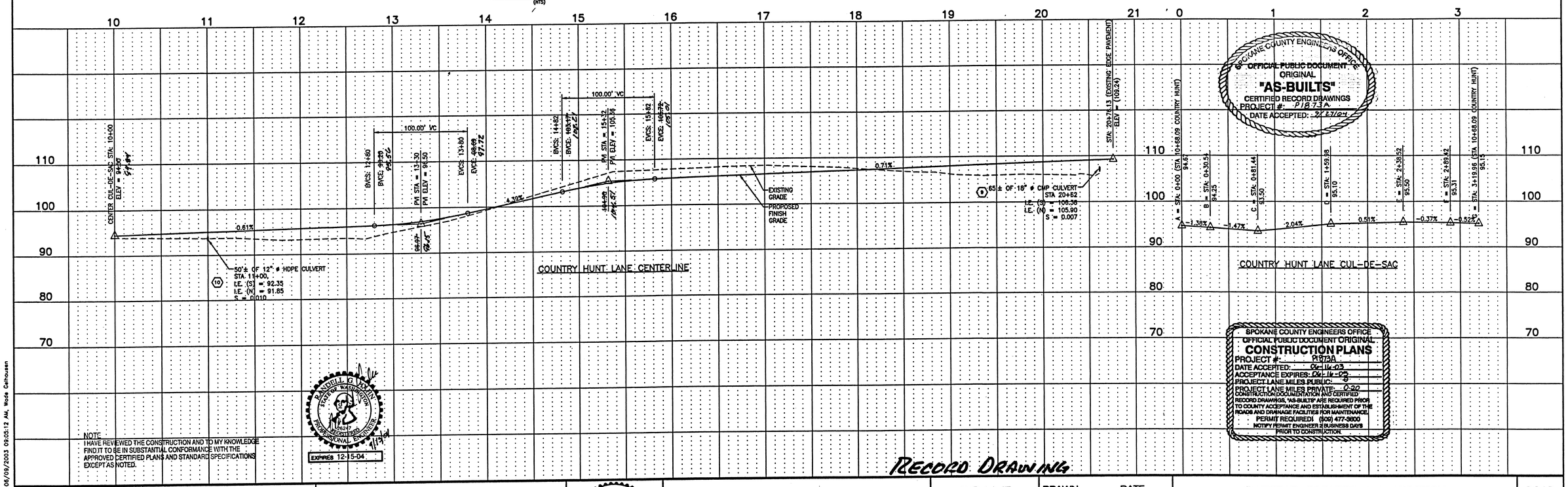
NOTE: DRIVEWAY LOCATIONS ON PLAN ARE NOT PERMANENT AND ARE SHOWN ONLY FOR REPRESENTATION OF TYPICAL SCENARIOS.

GRAPHIC SCALE
0 25 50 100
(IN FEET)
1 inch = 50 ft.

PROJECT TBM:
SET 60D NAIL IN FIRST POWER POLE NORTH OF PROPOSED INTERSECTION OF COUNTRY HUNT LANE AND CEDAR ROAD. EL = 108.16

DEVELOPER — DATE 6-3-03

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



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1873A
DATE ACCEPTED: 2/27/04

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1873A
DATE ACCEPTED: 06-16-03
ACCEPTANCE EXPIRES: 06-16-05
PROJECT LANE MILES PUBLIC: 8
PROJECT LANE MILES PRIVATE: 0.20
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PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

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.

RANDELL G. MANN — STATE OF WASHINGTON — 26247 — REGISTERED PROFESSIONAL ENGINEER — 9/12/04 — EXPIRES 12-15-04

RECORD DRAWING

NO.	DATE	BY	APP.	REVISION
1	9/10/04	RM		As-Builts

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WADE M. GELHAUS — STATE OF WASHINGTON — 26247 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 11/21/03

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www.hahnengr.com

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

		DATE
DRAWN:	SWF	6/02/03
DESIGNED:	WMG	6/02/03
APPROVED:	WMG	

DAYSTAR ESTATES-1st ADDITION
PRIVATE ROAD PLANS

COUNTRY HUNT LANE

ROAD
SHEET NO. C/2

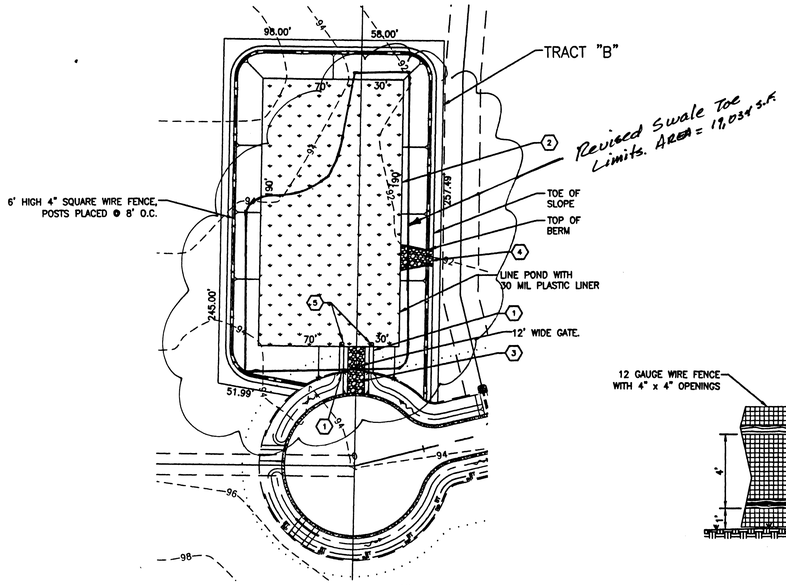
CAD FILE: 00-137PH2

P-1873A Eng As Built

H:\00-137\dwg\00-137PH2.dwg, 08/09/2003 09:05:12 AM, Wade Calhousen

CONSTRUCTION NOTES:

1. 2' WIDE BERM/SPILLWAY, ELEV. = 92.00
2. EVAPORATION POND
   BOTTOM AREA = ~~19,000 S.F.~~ 19,034 S.F.
   BOTT. ELEV. = 88.40 (AVG.)
   TOTAL DEPTH = 3.60 FT.
3. 12' WIDE MAINTENANCE ACCESS ROAD
4. EMERGENCY OVERFLOW, SEE DETAIL THIS SHEET
5. 3'x3' ROCK RIPRAP PAD (3" TO 6"ø)



COUNTRY HUNT POND DETAIL
(1" = 50')

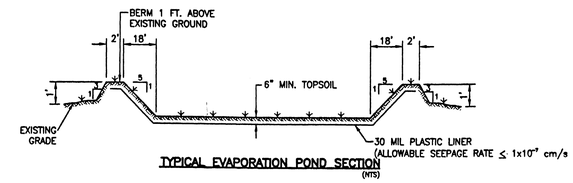
NOTE: POND SHALL BE LINED WITH 30 MIL PLASTIC LINER (SEE DETAIL THIS SHEET).

ALLOWABLE SEEPAGE RATE $\leq 1 \times 10^{-7}$ cm/s

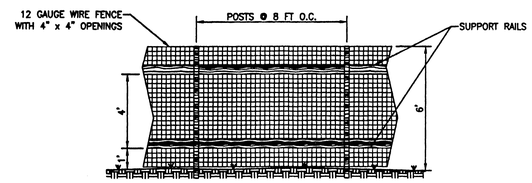
GRAPHIC SCALE

0 25 50 100

(IN FEET)
1 inch = 50 ft.



TYPICAL EVAPORATION POND SECTION
(NTS)



TYPICAL FENCE DETAIL
(NTS)

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
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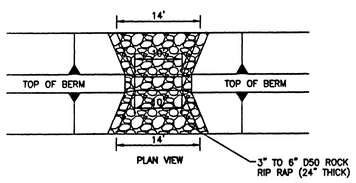
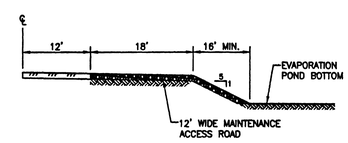
DATE ACCEPTED: 9/27/04

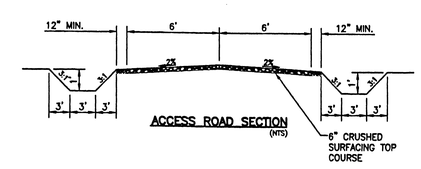


EMERGENCY OVERFLOW DETAIL
(NTS)

$Q=CLH^{3/2}$ C=3.6
$Q=(3.6)(10)(.5)^{3/2}$ =12.73 CFS



TYPICAL MAINTENANCE ACCESS ROAD CROSS SECTION.
(NTS)



ACCESS ROAD SECTION
(NTS)

DRYLAND GRASS SEED SPECIFICATIONS

PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

1) ELKA PERRENIAL RYE	20%
2) DURAR HARD FESCUE	20%
3) COVAR SHEEP/FESCUE	45%
4) REUBENS CANADIAN BLUEGRASS	15%

PROVIDE MIXTURE COMPOSED OF GRASS SEED & FERTILIZER IN PERCENTAGE AS FOLLOWS:

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

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
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PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.20
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PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

DEVELOPER — DATE 6-7-03

PROJECT TBM:
SET 60D NAIL IN FIRST POWER POLE NORTH OF PROPOSED INTERSECTION OF COUNTRY HUNT LANE AND CEDAR ROAD. EL = 108.16

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.

RANDELL G. HAHN — STATE OF WASHINGTON — 26247 — REGISTERED PROFESSIONAL ENGINEER
7/9/04
EXPIRES 12-15-04

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

RECORD DRAWING

NO.	DATE	BY	APP.	REVISION
1	9/10/04	RM		As-Builts

NOTE:
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WADE M. GELHAUS — STATE OF WASHINGTON — 20646 — REGISTERED PROFESSIONAL ENGINEER
6/9/03
EXPIRES 11/21/03

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" = N/A
VERT. N/A

DRAWN: SWF — DATE 6/09/03
DESIGNED: WMG — 6/09/03
APPROVED: WMG

DAYSTAR ESTATES-1st ADDITION
PRIVATE ROAD PLANS

EVAPORATION POND & DETAILS

EVAP
SHEET NO. C / 3

CAD FILE: 00-137PH2

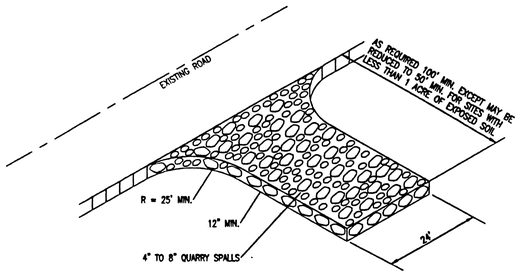
00-137\dwg\00-137PH2.dwg, 06/09/2003 08:50:11 AM, Wade Gelhausen

P-1873A Eng As-Builts

DAYSTAR ESTATES–1st ADDITION

TEMPORARY EROSION CONTROL PLAN

A PORTION OF THE EAST 1/2 OF SECTION 13, T24N, R42E, W.M.
COUNTY OF SPOKANE, STATE OF WASHINGTON

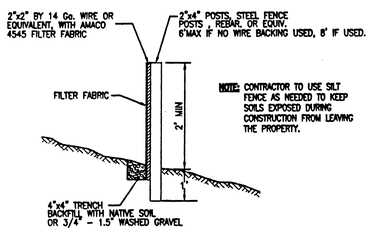


CONSTRUCTION ENTRANCE
(NTS)

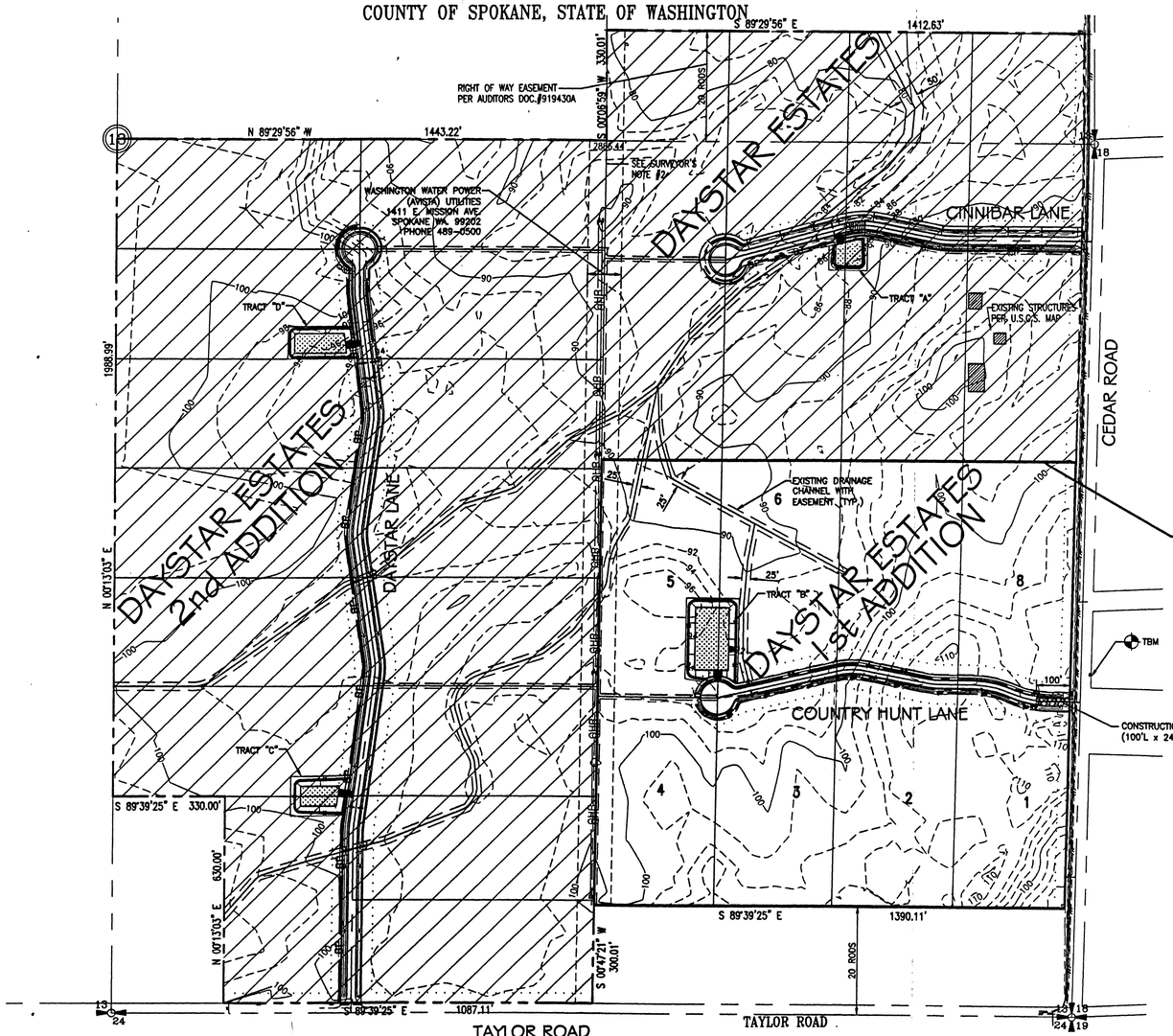
CONSTRUCTION ENTRANCE NOTES

1) THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR 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 STRUCTURE FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

2) ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.



SILT FENCE DETAIL
(NTS)



PROJECT INFORMATION:

PROPERTY OWNER: DAYSTAR ESTATES, LLC
5527 N. HAYFORD ROAD
SPOKANE, WA 99224
(509)879-9524

CONTACT PERSON: MIKE SCHMITZ
5527 N. HAYFORD ROAD
SPOKANE, WA 99224
(509)879-9524

PROJECT ENGINEER: WADE GELHAUSEN
HAHN ENGINEERING, INC.
605 E. HOLLAND AVE.
SPOKANE, WA 99218
(509)467-1550

PROJECT ADDRESS: SEE LEGAL DESCRIPTION

LEGAL DESCRIPTION: A PORTION OF THE EAST HALF OF SECTION 13, T.24N., R.42E., W.M., COUNTY OF SPOKANE, STATE OF WASHINGTON.

PROJECT DESCRIPTION: THE PROJECT INVOLVES THE PLATTING OF 8 LOTS THAT ARE ACCESSED BY A 24 FT WIDE PRIVATE ROAD (COUNTRY HUNT LANE).

ESC MEASURES: A CONSTRUCTION ENTRANCE WILL BE CONSTRUCTED AS SHOWN ON PLAN. SEDIMENT FROM PROJECT PROPERTY WILL NOT LEAVE PROJECT SITE. CONTRACTOR SHALL USE SILT FENCING AS NEEDED TO KEEP SEDIMENT ON PROJECT PROPERTY.

EXISTING VEGETATION ON-SITE: EXISTING PROPERTY IS PASTURE/RANGE.

EXISTING BODIES OF WATER: NONE

ON-SITE SOILS (PER SCS SURVEY MAP):

BpB–BONG & PHOEBE FINE SANDY LOAMS
McB–MARBLE SANDY LOAM
HhA–HARDESTY SILT LOAM
HoB–HESSELTINE SILT LOAM

SPOKANE COUNTY ENGINEERS OFFICE
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NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

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

PROJECT TBM:
SET 60D NAIL IN FIRST POWER POLE NORTH OF PROPOSED INTERSECTION OF COUNTRY HUNT LANE AND CEDAR ROAD. EL = 108.16

Standard Erosion Control Notes

ER1) An Erosion/Sedimentation Control (ESC) plan is required for this project. Implementation of the ESC plan, and construction, maintenance, and upgrading of the ESC facilities are the responsibility of the Developer until all construction is completed and accepted by Spokane County, or until vegetation is established throughout the site, and accepted by Spokane County, whichever is later.

ER2) Approval of the ESC plan does not constitute approval of any of the proposed road, storm drainage, grading or utility design elements shown on the ESC plan.

ER3) 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, 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, such as drywells, culverts, or gravel galleries.

ER4) The Contractor/Developer is responsible for installing Rock Construction Entries at any and all locations used to enter or exit the project site.

ER5) Geotextile fabric is to be placed on the rims of drywells, catch basins & inlets until such time that the vegetation on the site is established and the threat of sediment deposition into the drainage system is mitigated. Contractor is to monitor the rims and clear them of sediment as needed.

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.

RANDELL G. HAHN, STATE OF WASHINGTON, 15247, REGISTERED PROFESSIONAL ENGINEER
7/19/04
EXPIRES 12-15-04

"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."

ENGINEER'S APPROVAL — DATE 06/03/03

DEVELOPER — DATE 6-3-03

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

NO.	DATE	BY	APP.	REVISION
1	9/10/04	MH		As-Builts

NOTE:
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WADE M. GELHAUSEN, STATE OF WASHINGTON, 35349, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/21/03

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

SCALE		DRAWN:	DATE
HORIZ.	1" = 200'	SWF	6/02/03
VERT.	N/A	DESIGNED: WMG	6/02/03
		APPROVED: WMG	

DAYSTAR ESTATES–1st ADDITION
PRIVATE ROAD PLANS

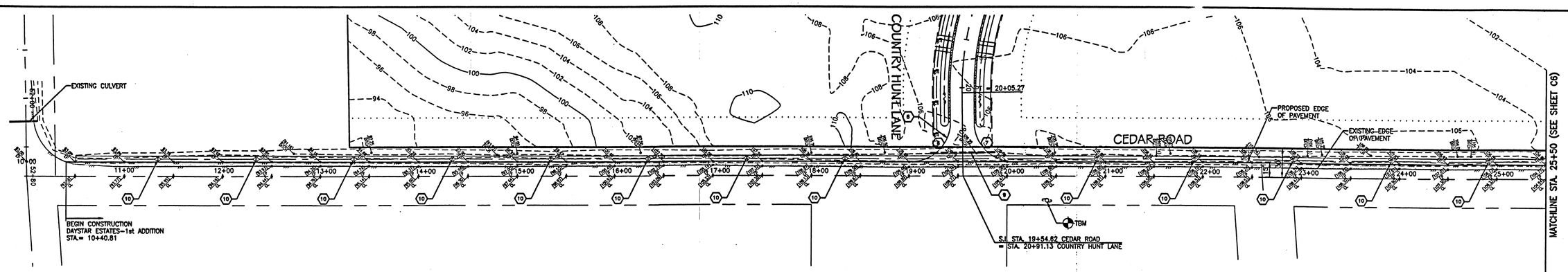
RECORD DRAWING
TEMPORARY EROSION CONTROL PLAN

EROSION
SHEET NO. C / 4

CAD FILE: 00-137PH2-TITLE

P-1873A Eng As Built

dsg\sanp2\projects\00-137\dwg\00-137PH2-TITLE.dwg, 06/03/2003 08:39:28 AM, Scott Frenger



CONSTRUCTION NOTES:

(8) SEE CURVE TABLE ON THIS SHEET FOR EDGE OF PAVEMENT CURVE INFORMATION.

(7) SEE CURVE TABLE ON THIS SHEET FOR CENTERLINE CURVE INFORMATION.

(9) INSTALL STOP AND STREET SIGNS PER SPOKANE COUNTY STANDARDS.

(9) 65'± OF 12" ø CMP CULVERT
I.E. (S) = 106.74, I.E. (N) = 106.34
S = 0.006

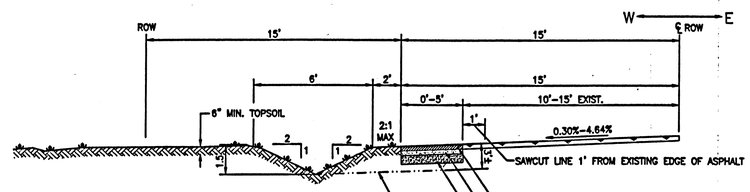
(10) 1' WIDE CHECK DAM, ELEV.= 1.5' ABOVE DITCH BOTTOM.

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.

CURVE INFORMATION

	RADIUS	TANGENT	LENGTH	DELTA
(8)	40' EP	40.63	63.46	90°53'59"
(7)	40' EP	39.37	62.20	89°05'41"



TYPICAL SECTION CEDAR ROAD (NTS)

NOTE:
REMOVE TOPSOIL FROM ROADWAY. COMPACT SUBGRADE PER WSDOT STANDARD SPECIFICATION SECTION 2-06.

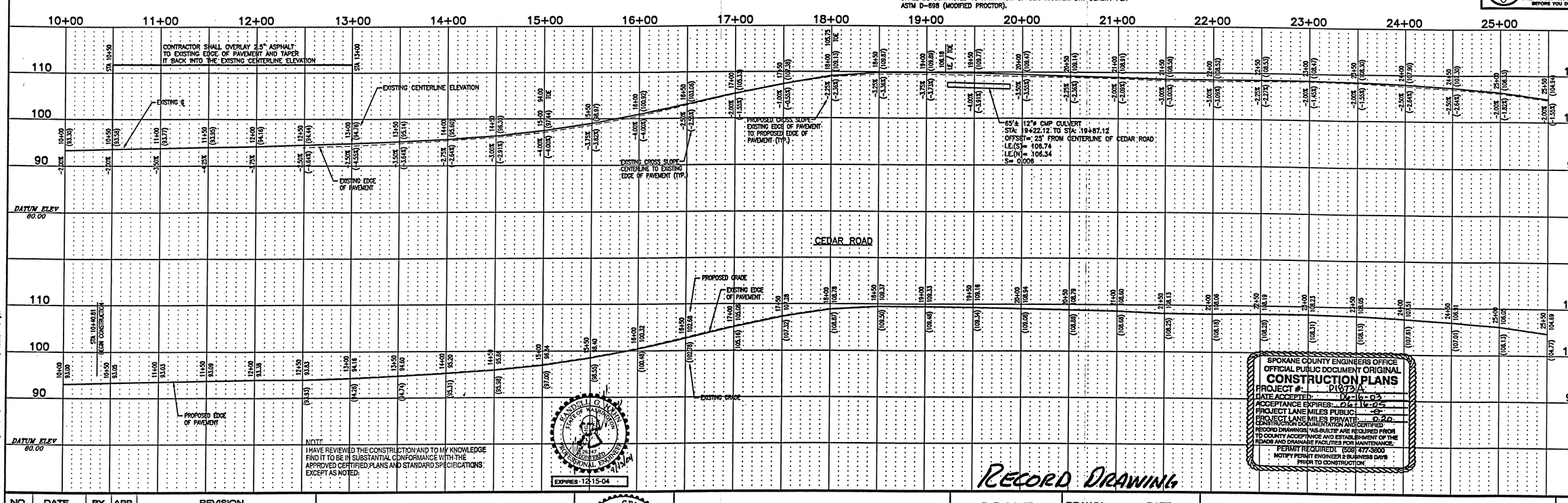
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1873A
DATE ACCEPTED: 9/27/04

DEVELOPER — DATE 1-3-03

GRAPHIC SCALE
0 25 50 100
(IN FEET)
1 inch = 50 ft.

PROJECT TBM:
SET 60D NAIL IN FIRST POWER POLE NORTH OF PROPOSED INTERSECTION OF COUNTRY HUNT LANE AND CEDAR ROAD.
EL = 108.16

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



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.

RADELL G. WAGNER
STATE OF WASHINGTON
16347
REGISTERED PROFESSIONAL ENGINEER
6/2/04
EXPIRES 12-15-04

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1873A
DATE ACCEPTED: 06-16-03
ACCEPTANCE EXPIRES: 06-16-05
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.20
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS("AS-BUILTS") ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED: (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

RECORD DRAWING

NO.	DATE	BY	APP.	REVISION
1	9/10/04	RA		As-Built

NOTE:
THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE TRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

WADE M. GELHARS
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
6/03/03
EXPIRES 11/21/03

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" = 50'
VERT. 1" = 10'

DRAWN: SWF — DATE 6/02/03
DESIGNED: WMG — 6/02/03
APPROVED: WMG

DAYSTAR ESTATES-1st ADDITION
PUBLIC ROAD PLANS

CEDAR ROAD (10+00 TO 25+50)

ROAD
SHEET NO. C/5

CAD FILE: 00-137PH2

P-1873A
Eng. As Built

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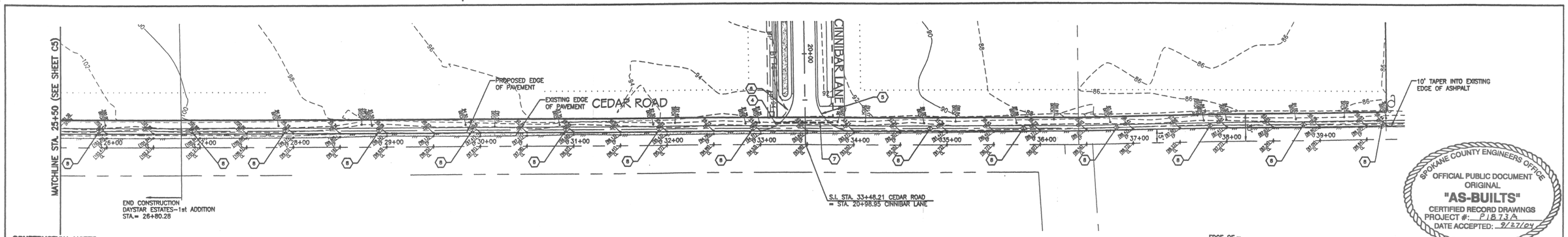


SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1873A
DATE ACCEPTED: 9/27/04

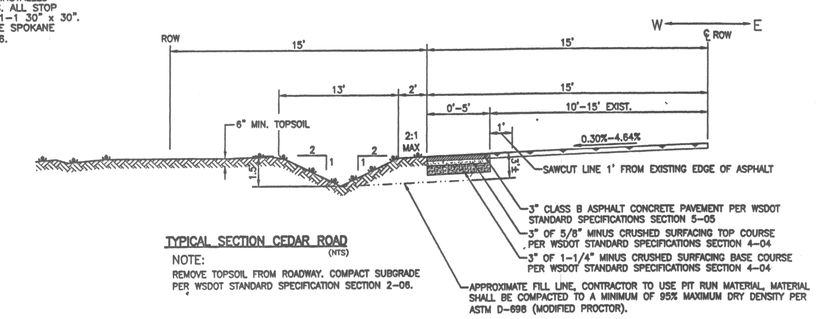
CONSTRUCTION NOTES:

4. SEE CURVE TABLE ON THIS SHEET FOR EDGE OF PAVEMENT CURVE INFORMATION.
5. SEE CURVE TABLE ON THIS SHEET FOR CENTERLINE CURVE INFORMATION.
6. INSTALL STOP AND STREET SIGNS PER SPOKANE COUNTY STANDARDS.
7. 60'± OF 15" ø CMP CULVERT, STA. 33+16.26 TO STA. 33+77.82; I.E. (S) = 91.36, I.E. (N) = 90.76 S = 0.010
8. 1' WIDE CHECK DAM, 1.5' ABOVE DITCH BOTTOM.

ENGINEER'S NOTES:

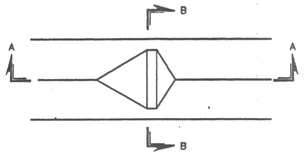
1. ALL SIGNS MUST BE LOCATED AS SPECIFIED IN THE M.U.T.C.D. AND SHALL BE INSTALLED PER SPOKANE COUNTY STANDARDS. ALL STOP SIGNS SHALL BE M.U.T.C.D. NO. R1-1 30" x 30". ALL STREET NAME SIGNS SHALL BE SPOKANE COUNTY STANDARD PLAN NO. A-16.

CURVE INFORMATION				
	RADIUS	TANGENT	LENGTH	DELTA
4	40' EP	40.63	63.46	90°53'59"
5	40' EP	39.37	62.20	89°05'41"

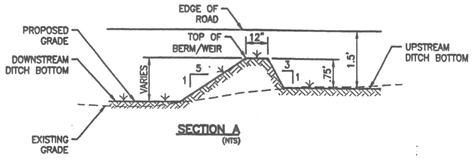


TYPICAL SECTION CEDAR ROAD (NTS)

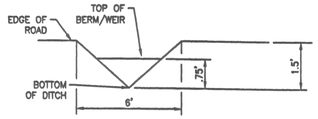
NOTE:
REMOVE TOPSOIL FROM ROADWAY. COMPACT SUBGRADE PER WSDOT STANDARD SPECIFICATION SECTION 2-06.



CHECK DAM PLAN VIEW (NTS)



SECTION A (NTS)



SECTION B (NTS)

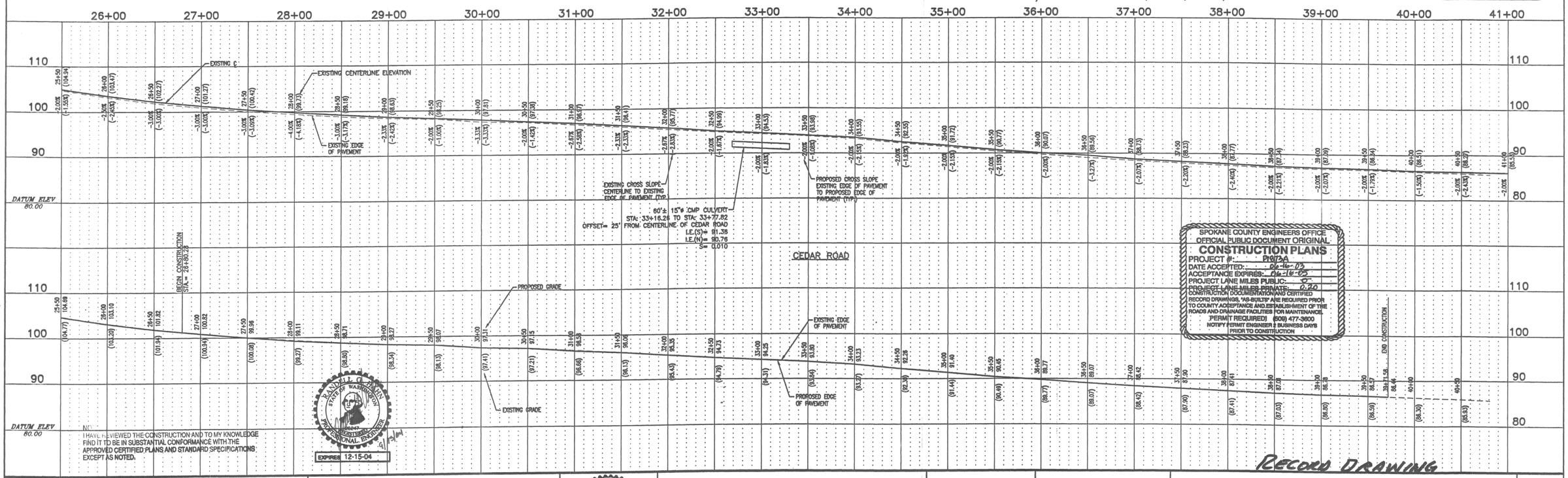
GRAPHIC SCALE
0 25 50 100
(IN FEET)
1 inch = 50 ft.

PROJECT TBM:
SET 60D NAIL IN FIRST POWER POLE NORTH OF PROPOSED INTERSECTION OF COUNTRY HUNT LANE AND CEDAR ROAD. EL = 108.16

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

DEVELOPER — DATE 6-3-03

A PORTION OF THE EAST 1/2 OF SECTION 13, T24N, R42E, W.M.



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1873A
DATE ACCEPTED: 06-16-03
ACCEPTANCE EXPIRES: 06-16-05
PROJECT LANE MILES PUBLIC: 0.7
PROJECT LANE MILES PRIVATE: 0.20
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

RANDALL G. GELDER — STATE OF WASHINGTON — 18696 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 12-15-04

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.

RECORD DRAWING

NO.	DATE	BY	APP.	REVISION
1	9/10/04	RA		As-Built

NOTE:
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MADE M. GELDER — STATE OF WASHINGTON — 18696 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/21/03

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" = 50'
VERT. 1" = 10'

DRAWN: SWF — DATE 6/02/03
DESIGNED: WMG — 6/02/03
APPROVED: WMG

DAYSTAR ESTATES-1st ADDITION
PUBLIC ROAD PLANS

CEDAR ROAD (25+50 TO 39+71.58)

ROAD
SHEET NO. C / 6

CAD FILE: 00-137PH2

P-1873A Eng As Built

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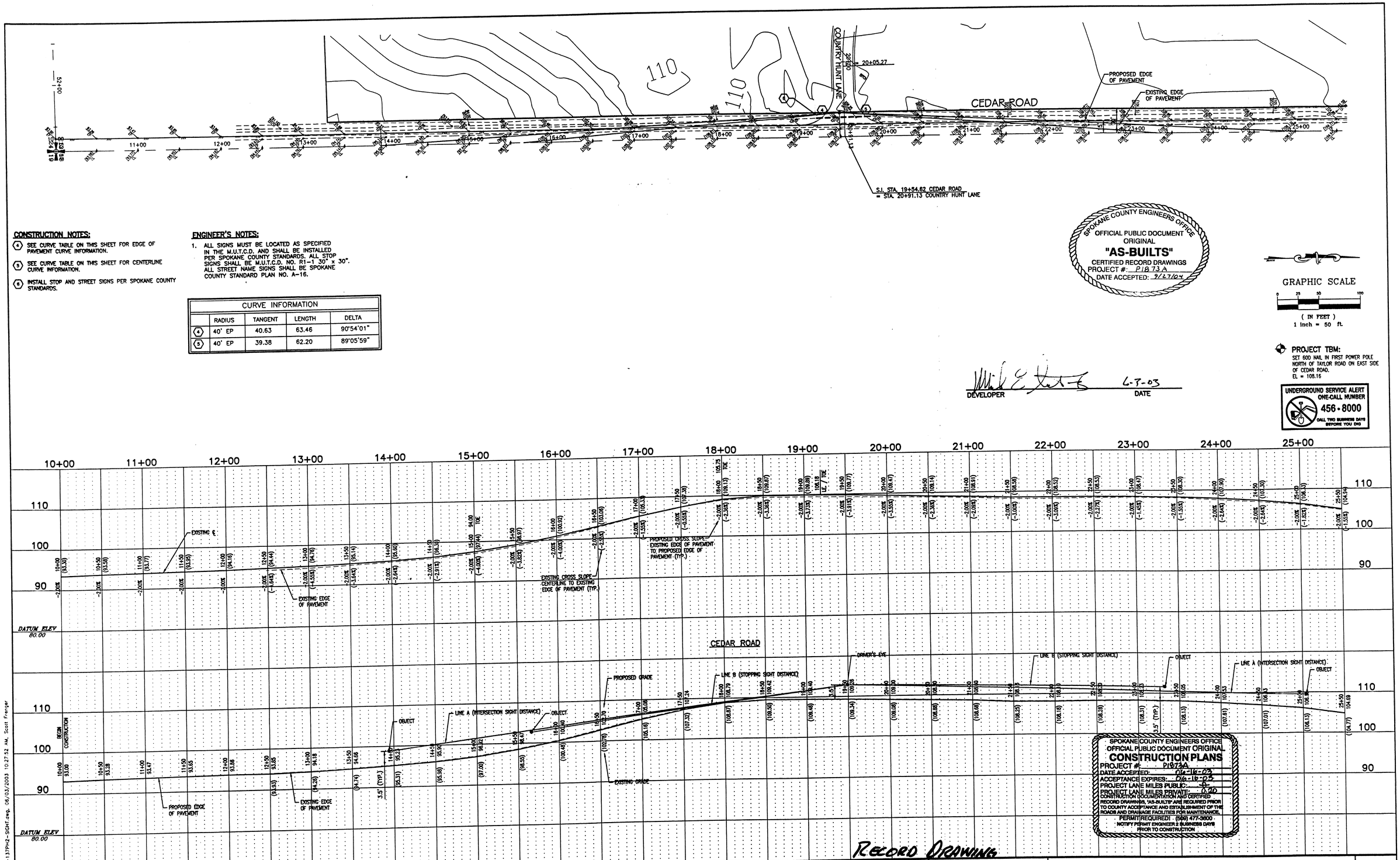

CONSTRUCTION NOTES:

4. SEE CURVE TABLE ON THIS SHEET FOR EDGE OF PAVEMENT CURVE INFORMATION.
5. SEE CURVE TABLE ON THIS SHEET FOR CENTERLINE CURVE INFORMATION.
6. INSTALL STOP AND STREET SIGNS PER SPOKANE COUNTY STANDARDS.

ENGINEER'S NOTES:

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CURVE INFORMATION				
	RADIUS	TANGENT	LENGTH	DELTA
4	40' EP	40.63	63.46	90°54'01"
5	40' EP	39.38	62.20	89°05'59"

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1873A
DATE ACCEPTED: 9/27/04

GRAPHIC SCALE
0 25 50 100
(IN FEET)
1 inch = 50 ft.

PROJECT TBM:
SET 60D NAIL IN FIRST POWER POLE NORTH OF TAYLOR ROAD ON EAST SIDE OF CEDAR ROAD.
EL = 108.16

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

DEVELOPER 6-3-03 DATE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1873A
DATE ACCEPTED: 06-16-03
ACCEPTANCE EXPIRES: 06-16-03
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.20
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

RECORD DRAWING

NO.	DATE	BY	APP.	REVISION

WADE M. GELHAUSEN, STATE OF WASHINGTON, 39316, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/21/03

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" = 50'
VERT. 1" = 10'

		DATE
DRAWN:	SWF	6/02/03
DESIGNED:	CJR	6/02/03
APPROVED:	WMG	

DAYSTAR ESTATES–1st ADDITION
PUBLIC ROAD PLANS

COUNTRY HUNT LN – SIGHT DISTANCE ANALYSIS

SDA
SHEET NO. C/7

CAD FILE: 00-137PH2-SIGHT

P-1873A Eng As-Built

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