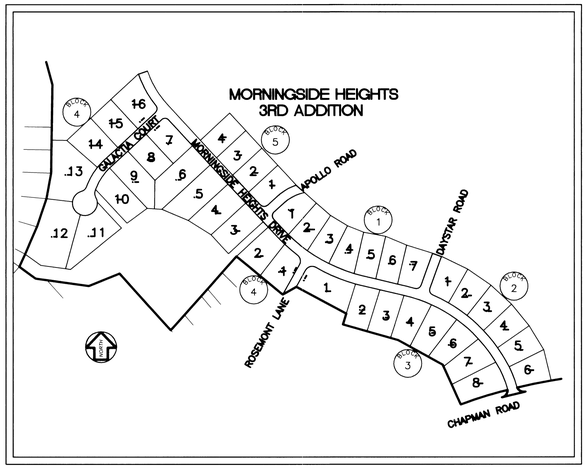
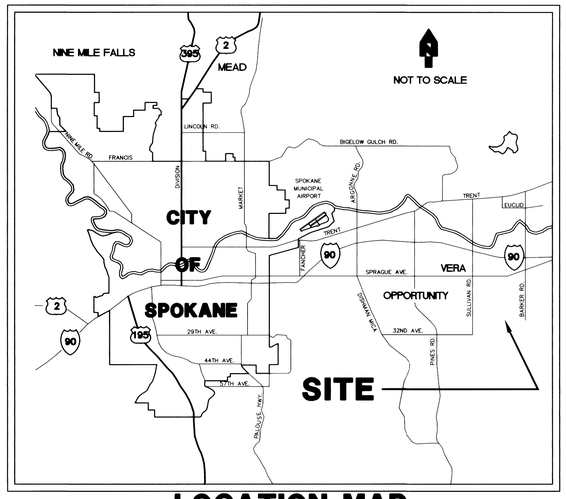
MORNINGSIDE HEIGHTS 3RD ADDITION

SPOKANE COUNTY, WASHINGTON

SECTION 30, T. 25N., R. 45E., W.M.





LOCATION MAP

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
ROAD	
2	MORNINGSIDE HEIGHTS DRIVE STA. 29+00 TO STA. 40+00
3	MORNINGSIDE HEIGHTS DRIVE STA. 40+00 TO STA. 50+00
4	GALACTIA COURT STA. 10+00 TO STA. 15+03.93
5	APOLLO ROAD STA. 10+00 TO STA. 11+84.26 ROSEMONT LANE STA. 15+00 TO STA. 16+55.19 DAYSTAR ROAD STA. 10+00 TO STA. 11+84.26
6	ROAD SECTION AND DETAIL SHEET
STORM	
7	MORNINGSIDE HEIGHTS DRIVE STA. 29+00 TO STA. 39+22.70
8	MORNINGSIDE HEIGHTS DRIVE STA. 39+22.70 TO STA. 50+00
9	APOLLO ROAD STA. 10+00 TO STA. 11+55.12 DAYSTAR ROAD STA. 9+90.51 TO STA. 11+84 ROSEMONT LANE STA. 14+62.41 TO STA. 16+43.20
10	GPA/DETENTION SWALE PLAN
11	STORM OUTLET PIPE AND DITCH PLAN
12	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN (NOT INCLUDED)

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.

LEGEND

2353	EXISTING CONTOUR
	EASEMENT LINE
BT	EXISTING BURIED TELEPHONE
G	EXISTING BURIED GAS PIPELINE
OE	EXISTING OVERHEAD ELECTRICAL
X	EXISTING FENCE
W	EXISTING WATER LINE
SS	EXISTING SEWER LINE
SD	EXISTING STORM DRAIN LINE
	EXISTING WATER VALVE
	EXISTING WATER LINE FITTING (TYP.)
	EXISTING FIRE HYDRANT
	EXISTING WATER METER AND SERVICE
	EXISTING SIGN
	EXISTING SANITARY SEWER MANHOLE
	PLAT BOUNDARY
	LOT LINE
W	NEW WATER LINE
SS	NEW SANITARY SEWER LINE
SD	NEW STORM DRAIN LINE
	NEW ASPHALT PAVEMENT REPLACEMENT
	NEW WATER VALVE
	NEW CONCRETE THRUST BLOCK
	NEW WATER LINE FITTING (TYP.)
	NEW SANITARY SEWER MANHOLE
	NEW STORM DRAIN MANHOLE
	NEW STORM DRAIN CATCH BASIN

GENERAL NOTES:

1. ALL MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 1995", AS AMENDED, AND PER THE "2000 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (W.S.D.O.T.) AND BY THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
2. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLAN 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. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF POWER POLES, LIGHTS, TELEPHONE, AND/OR OTHER UTILITIES THAT MAY CONFLICT WITH THE CONSTRUCTION.
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. CONTRACTOR SHALL ALSO MAINTAIN ON THE SITE A COMPLETE SET OF RED LINE RECORD DRAWINGS INDICATING ALL CHANGES FROM THE APPROVED DRAWINGS.
4. CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. 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. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ADJACENT EXISTING PROPERTIES OR IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR CLEAN-UP OF ANY AREAS DISTURBED BY HIS ACTIVITIES.
6. FOR ANY CURB GRADES LESS THAN 0.8% (0.008 FT/FT), A WASHINGTON STATE-LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.
7. ALL PROPOSED ROADWAY AREAS SHALL BE STRIPPED TO A DEPTH OF AT LEAST 12" OF ALL VEGETATION, NEAR-SURFACE ROOTS, ANY EXISTING FILL, AND TOPSOIL. THE STRIPPED MATERIAL CAN BE RE-USED FOR LANDSCAPING, BUT IS NOT ACCEPTABLE FOR STRUCTURAL FILL.
8. NATIVE MATERIALS, EXCLUDING TOPSOIL, IS ACCEPTABLE FOR USE AS STRUCTURAL FILL. IF STRUCTURAL FILL IS IMPORTED IT SHALL CONSIST OF WELL-GRADED SAND AND GRAVEL WITH NO PARTICLES LARGER THAN FIVE INCHES IN DIAMETER AND NOT MORE THAN 30% BY WEIGHT PASSING THE #200 SIEVE. STRUCTURAL FILL SHALL BE PLACED IN MAX. 6 INCH LIFTS WITHIN 2% OF OPTIMUM MOISTURE AND COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR.
9. THE TOP 12 INCHES OF THE ROAD SUBGRADE SHALL BE MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM AND COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR METHOD.
10. CRUSHED SURFACING TOP COURSE SHALL CONFORM TO WSDOT STANDARDS AND COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY.

    ASPHALT CONCRETE SHALL BE WSDOT CLASS B AND COMPACTED TO 92% OF THE THEORETICAL MAXIMUM DENSITY AS DETERMINED BY THE RICE METHOD.
11. DURING CONSTRUCTION, THE GROUND SURFACE SHOULD BE SLOPED TO PREVENT STORM RUNOFF FROM ACCUMULATING IN ANY OF THE SUBGRADE AREAS. ANY AREAS OF SOFTENED SUBGRADE SHALL BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL.
12. SITE EXCAVATION, INCLUDING ROCK CUTS AND REMOVAL, SHALL CONFORM TO SECTION 2-03 OF THE WSDOT STANDARD SPECIFICATIONS. EMBANKMENTS TO BE CONSTRUCTED ACCORDING TO THE APPLICABLE PARAGRAPHS OF SECTION 2-03 OF THE WSDOT STANDARD SPECIFICATIONS. EARTH EMBANKMENTS TO BE CONSTRUCTED USING METHOD B OF 2-03.3(14)C.
13. ALL FILL IN AREAS OUTSIDE OF PAVEMENT SHALL BE COMPACTED IN MAXIMUM 8" LIFTS TO 92% OF MAXIMUM ASTM D 1557 DRY DENSITY. PAVEMENT SURGED SHALL BE COMPACTED TO 95%.
14. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AMOCO 4545 OR APPROVED EQUIVALENT) BETWEEN THE WASHED DRAIN ROCK AND THE NATIVE SOIL.
15. 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 A 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.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769c
DATE ACCEPTED: 8/23/05

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

No.	Date	By	Ckd.	Appr.	Revisions
1	2/04	DWC	GRG	MAA	COUNTY COMMENTS 2/11/04
2	8/05	KWE	GRG	MAA	RECORD DRAWING

		Date
Drawn	GRG	01/27/04
Designed	GRG	01/27/04
Checked	MAA	01/27/04

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 8/18/05 — EXPIRES 03/10/07

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.

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260-0170
477-3600

Developer's Approval ORIGINALLY SIGNED BY: RICHARD DAHM, PRESIDENT *Date* 2-26-04

VERTICAL DATUM: REBAR W/YPC, L.S.#1809, @ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: 03107COV

SCALE
HORIZ. N/A
VERT. N/A

MORNINGSIDE HEIGHTS

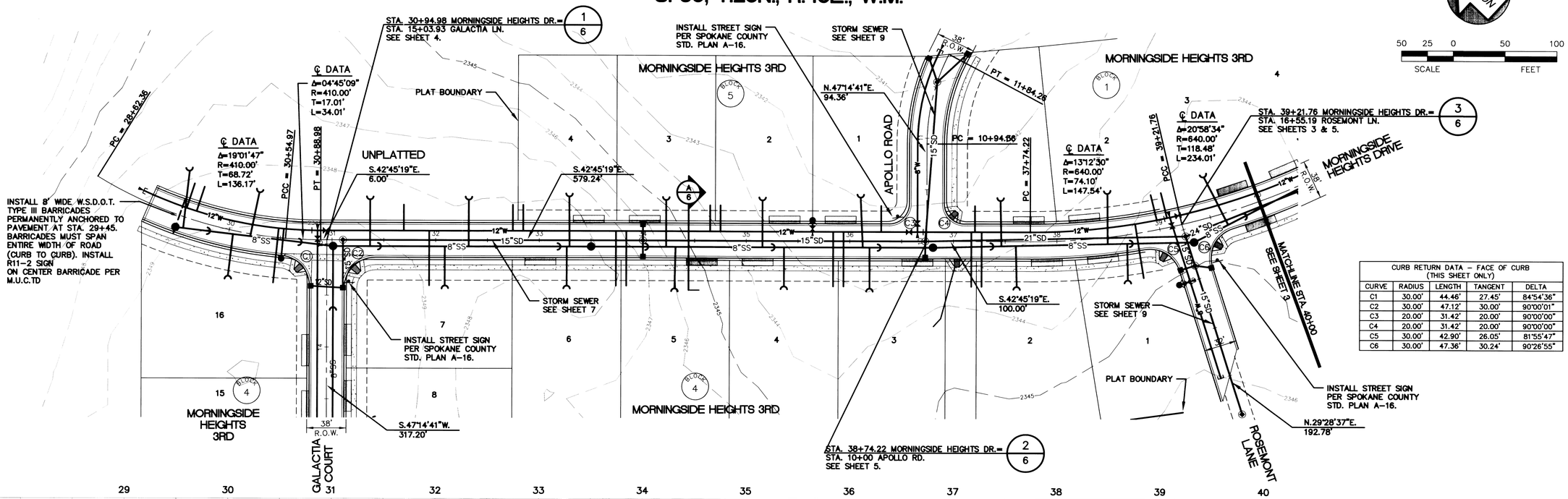
COVER SHEET

COVER SHEET 1/12

P-1769c Eng As Built

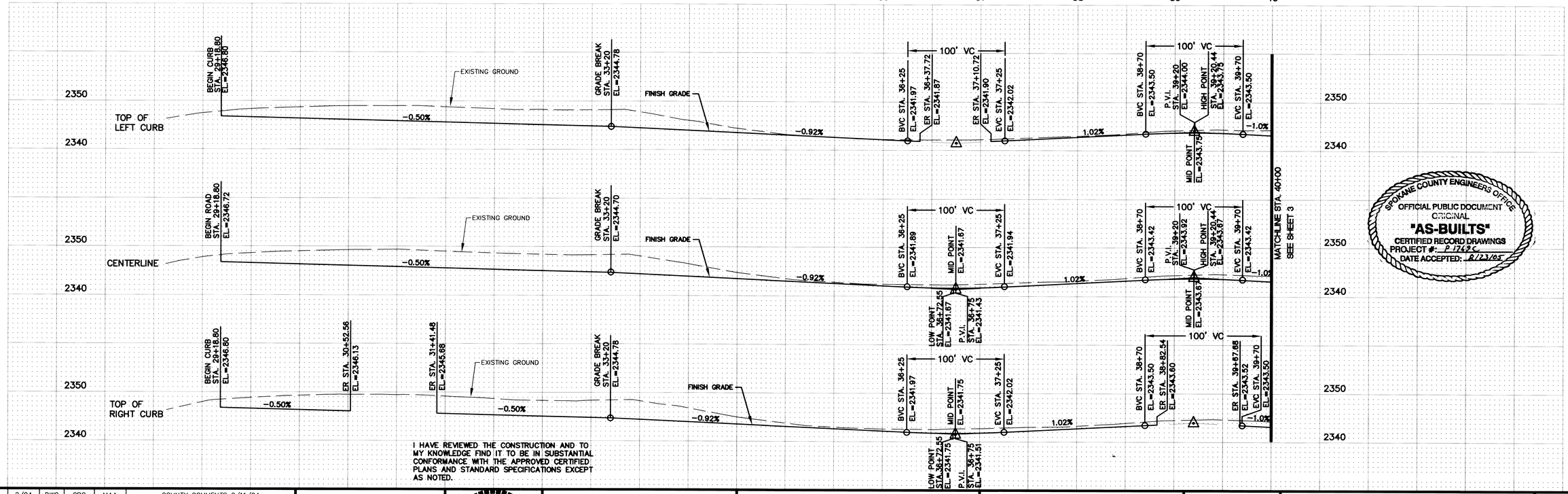
MORNINGSIDE HEIGHTS 3RD ADDITION

S. 30, T.25N., R.45E., W.M.



CURB RETURN DATA – FACE OF CURB (THIS SHEET ONLY)

CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	30.00'	44.46'	27.45'	84°54'36"
C2	30.00'	47.12'	30.00'	90°00'01"
C3	20.00'	31.42'	20.00'	90°00'00"
C4	20.00'	31.42'	20.00'	90°00'00"
C5	30.00'	42.90'	26.05'	81°55'47"
C6	30.00'	47.36'	30.24'	90°26'55"



SPOKANE COUNTY ENGINEERS OFFICE
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CERTIFIED RECORD DRAWINGS
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DATE ACCEPTED: 8/23/05

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No.	Date	By	Ckd.	Appr.	Revisions
1	2/04	DWC	GRG	MAA	COUNTY COMMENTS 2/11/04
2	8/05	KWE	GRG	MAA	RECORD DRAWING

		Date
Drawn	CWD	1/27/04
Designed	GRG	1/27/04
Checked	MAA	1/27/04

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 5/15/05 — EXPIRES 03/10/07

Taylor Engineering, Inc.
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Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF UTILITIES
W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

Developer's Approval ORIGINALLY SIGNED BY: RICHARD DAHM, PRESIDENT Date 2-26-04

VERTICAL DATUM: REBAR W/YPC, L.S.#1809, @ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: 03107R15

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

MORNINGSIDE HEIGHTS 3RD ADD.

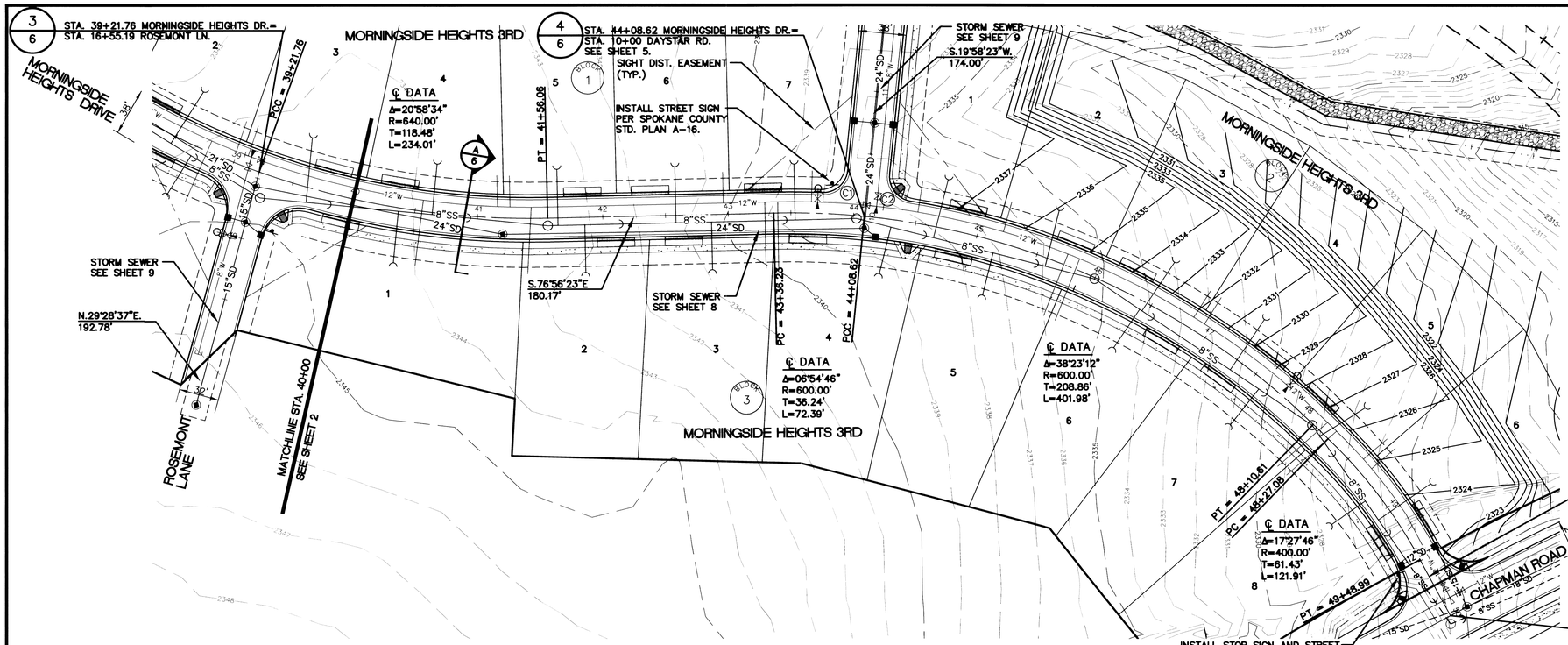
MORNINGSIDE HEIGHTS DRIVE
STA. 29+00 TO STA. 40+00

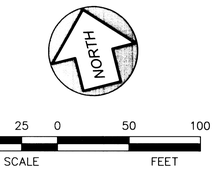
ROAD
SHEET 2 / 12

P-1769c Eng As Built

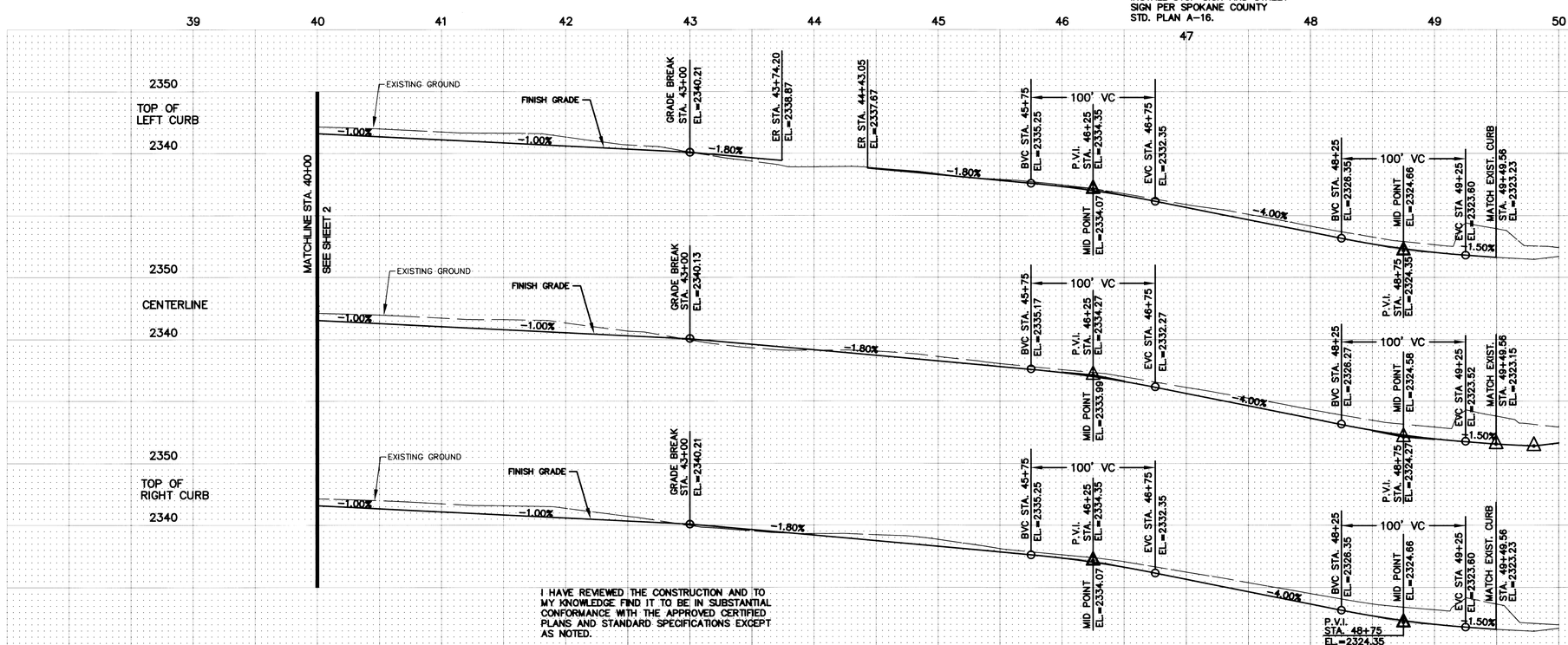
MORNINGSIDE HEIGHTS 3RD ADDITION

S. 30, T.25N., R.45E., W.M.





CURB RETURN DATA – FACE OF CURB (THIS SHEET ONLY)				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	20.00'	30.27'	18.88'	86°42'45"
C2	20.00'	30.27'	18.88'	86°42'45"



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SPOKANE COUNTY ENGINEERS OFFICE
"AS-BUILTS"
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PROJECT #: P1769-C
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1	2/04	DWC	GRG	MAA	COUNTY COMMENTS 2/11/04
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Drawn	CWD	1/27/04
Designed	GRG	1/27/04
Checked	MAA	1/27/04

MARK A. AROSSON, STATE OF WASHINGTON, 24681 REGISTERED PROFESSIONAL ENGINEER, 5/11/05, EXPIRES 03/10/07

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SPOKANE COUNTY PUBLIC WORKS
DIVISION OF UTILITIES
W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

Developer's Approval ORIGINALLY SIGNED BY: RICHARD DAHM, PRESIDENT Date 2-26-04

VERTICAL DATUM: REBAR W/YPC, L.S.#1809, @ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: 03107R25

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

MORNINGSIDE HEIGHTS 3RD ADD.

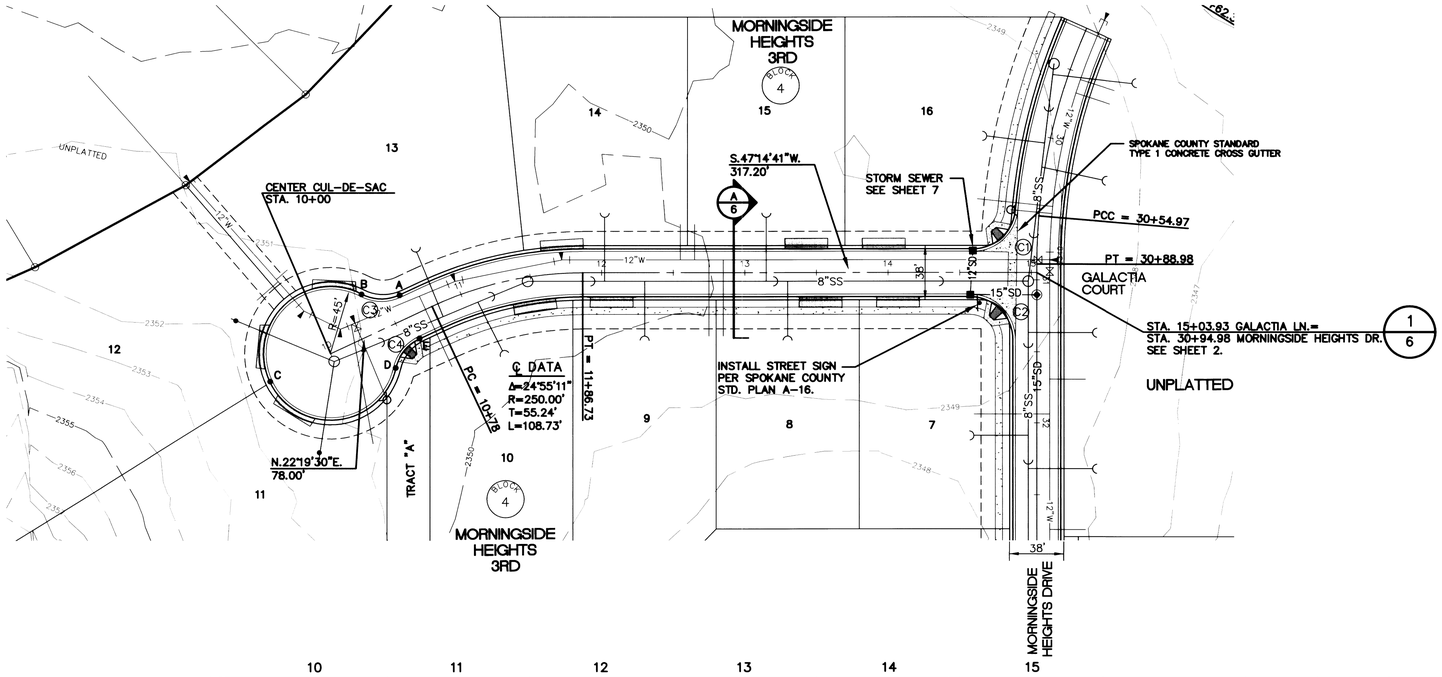
MORNINGSIDE HEIGHTS DRIVE
STA. 40+00 TO STA. 50+00

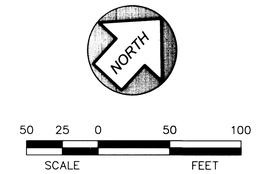
ROAD
SHEET 3/12

P-1769c Eng As-Built

MORNINGSIDE HEIGHTS 3RD ADDITION

S. 30, T.25N., R.45E., W.M.





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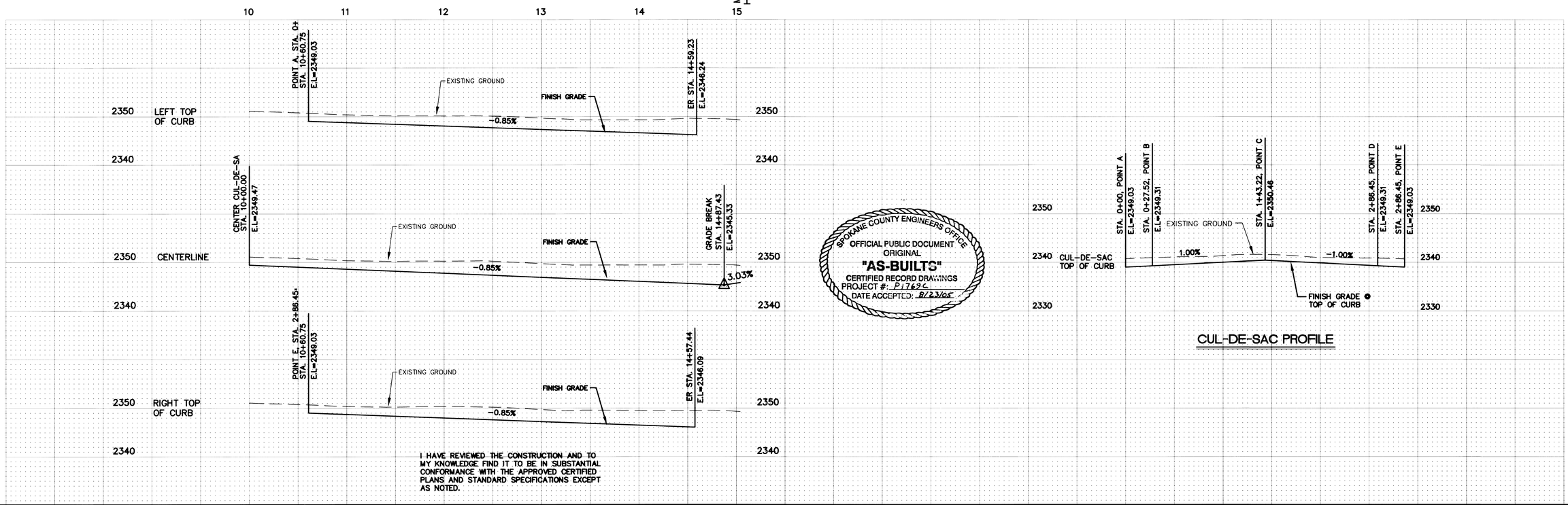

CUL-DE-SAC PROFILE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
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MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 8/23/05 — EXPIRES 03/10/07

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CADD FILE NAME: 03107R35

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

MORNINGSIDE HEIGHTS 3RD ADD.

GALACTIA COURT
STA. 10+00 TO STA. 15+03.93

ROAD
SHEET 4 / 12

P-1769c Eng As Builts

MORNINGSIDE HEIGHTS 3RD ADDITION

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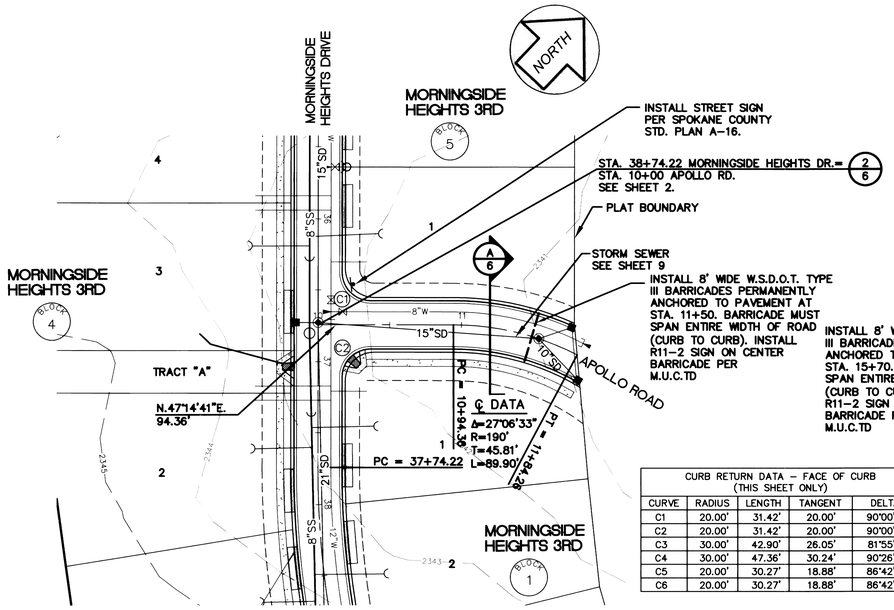

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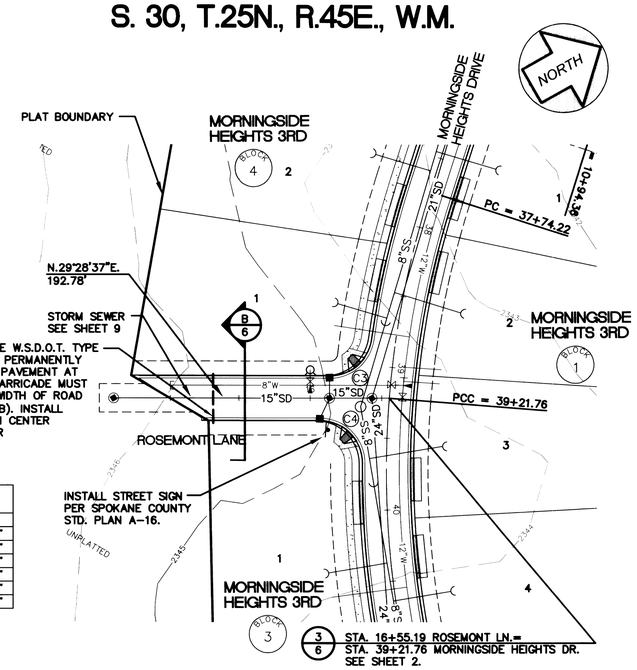

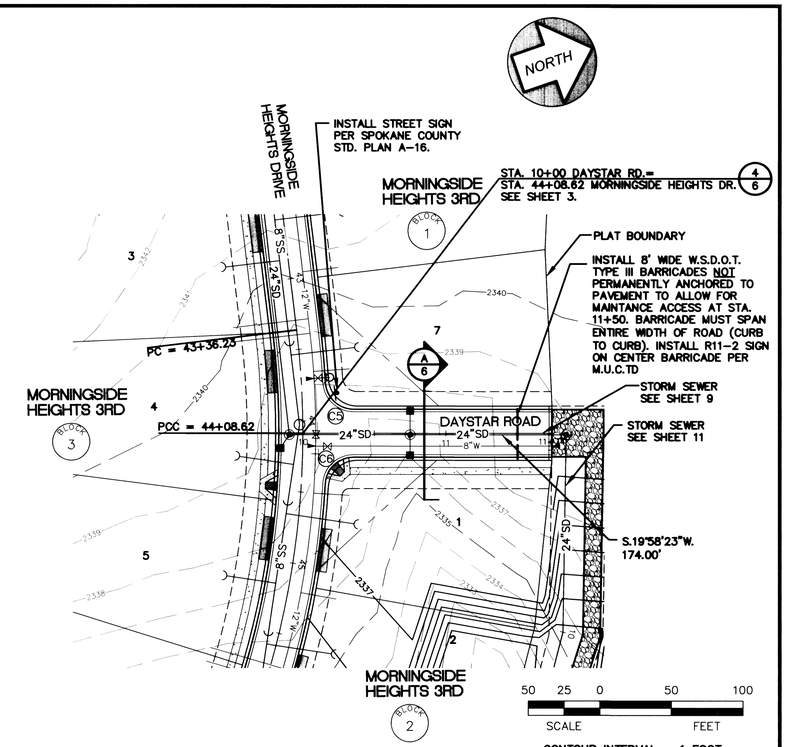

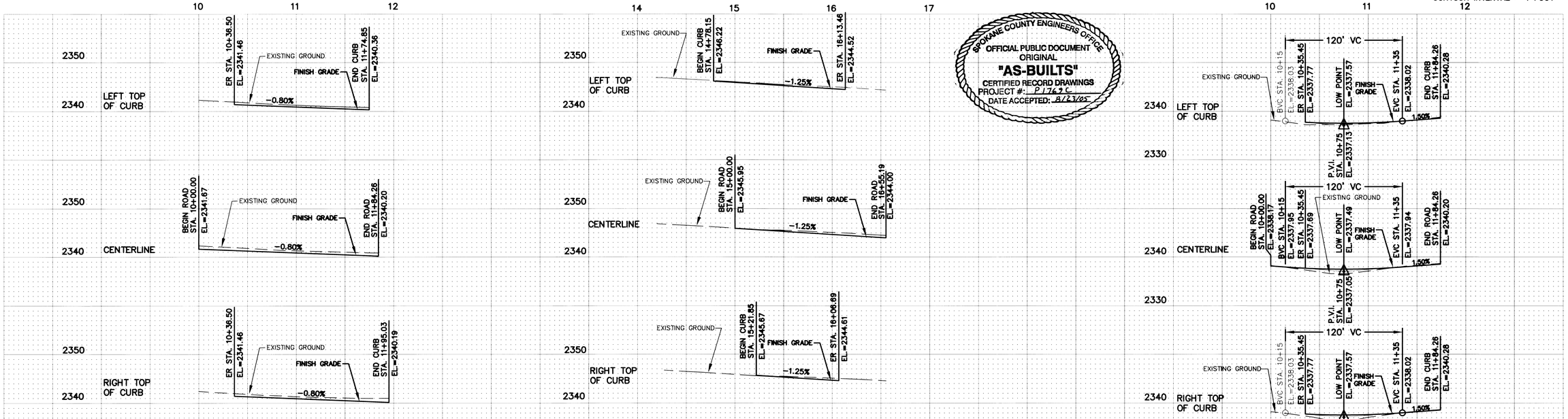

SPOKANE COUNTY ENGINEERS OFFICE
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CERTIFIED RECORD DRAWINGS
PROJECT #: P1769C
DATE ACCEPTED: 8/23/05

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.

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED AS ACCURATELY AS POSSIBLE FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. TAYLOR ENGINEERING, INC. MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHER, WE DO NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN EXACT LOCATION INDICATED, ALTHOUGH WE DO CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

No.	Date	By	Ckd.	Appr.	Revisions
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		Date
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Designed	GRG	1/27/04
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MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 7-17-07 — EXPIRES 03/10/07

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W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

Developer's Approval ORIGINALLY SIGNED BY: RICHARD DAHM, PRESIDENT *Date* 2-26-04

VERTICAL DATUM: REBAR W/YPC, L.S.#1809, ⊙ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: 03107R45

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

MORNINGSIDE HEIGHTS 3RD ADD.
APOLLO ROAD
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ROSEMONT LANE
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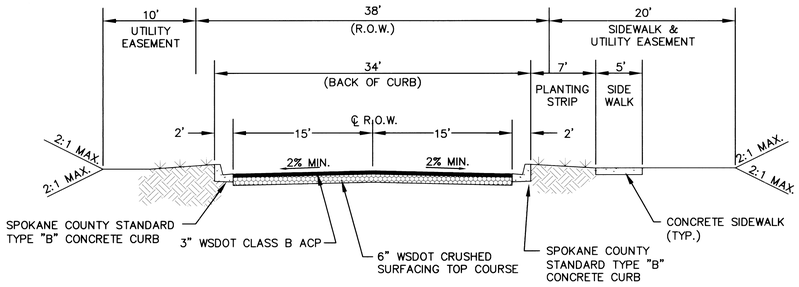
STA. 10+00 TO STA. 11+84.26

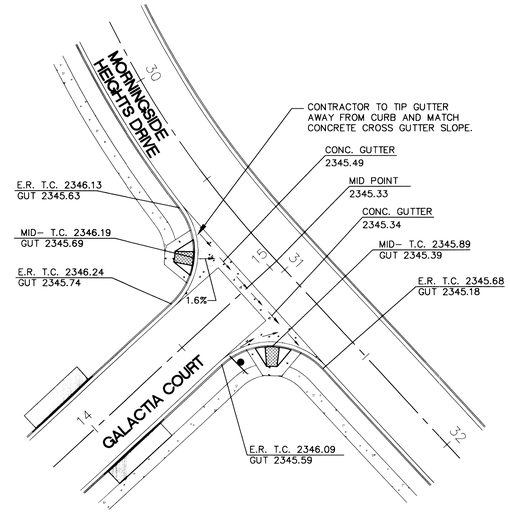
ROAD
SHEET 5 / 12

P1769C Eng As Built

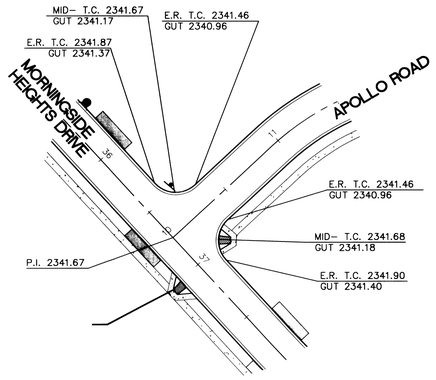
MORNINGSIDE HEIGHTS 3RD ADDITION
S. 30, T.25N., R.45E., W.M.



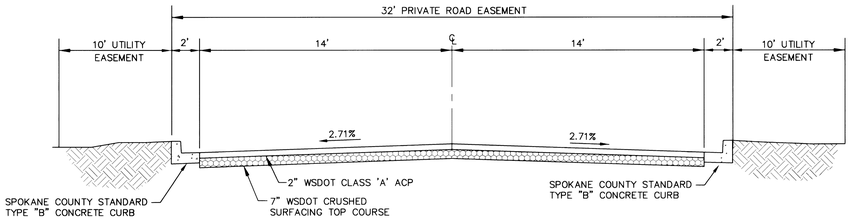
TYPICAL PUBLIC ROAD SECTION (A / 2,3,4,5)
NOT TO SCALE



1/2 INTERSECTION DETAIL
SCALE 1"=30'

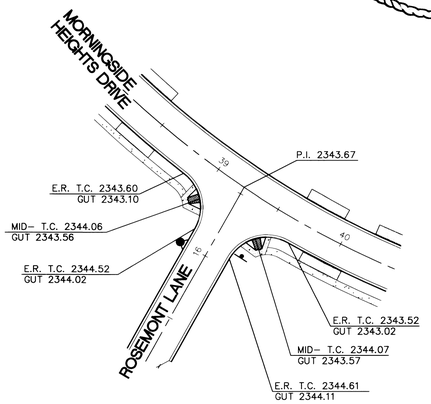


2/2 INTERSECTION DETAIL
SCALE 1"=50'

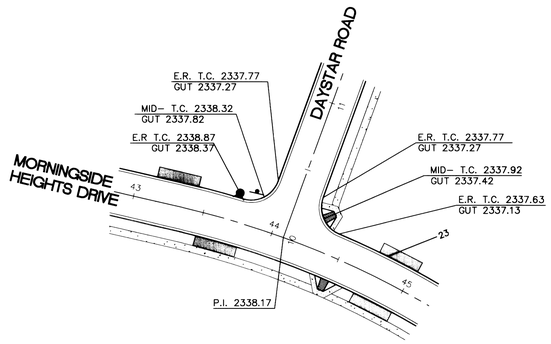


ROSEMONT LANE CROSS-SECTION (B / 5)
N.T.S.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769C
DATE ACCEPTED: 8/23/05



3/5 INTERSECTION DETAIL
SCALE 1"=50'



4/3 INTERSECTION DETAIL
SCALE 1"=50'

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	Ckd.	Appr.	Revisions
1	2/04	GRG	MAA		SPOKANE COUNTY COMMENTS 2/11/04
2	8/05	KWE	GRG	MAA	RECORD DRAWING

		Date
Drawn	CWD	1/27/04
Designed	GRG	1/27/04
Checked	MAA	1/27/04

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 8-19-05 — EXPIRES 03/10/07

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF UTILITIES
W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

Developer's Approval ORIGINALLY SIGNED BY: RICHARD DAHM, PRESIDENT Date 2-26-04

VERTICAL DATUM: REBAR W/YPC, L.S.#1809, @ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: 03107R55

SCALE
HORIZ. N/A
VERT. N/A

MORNINGSIDE HEIGHTS 3RD ADD.

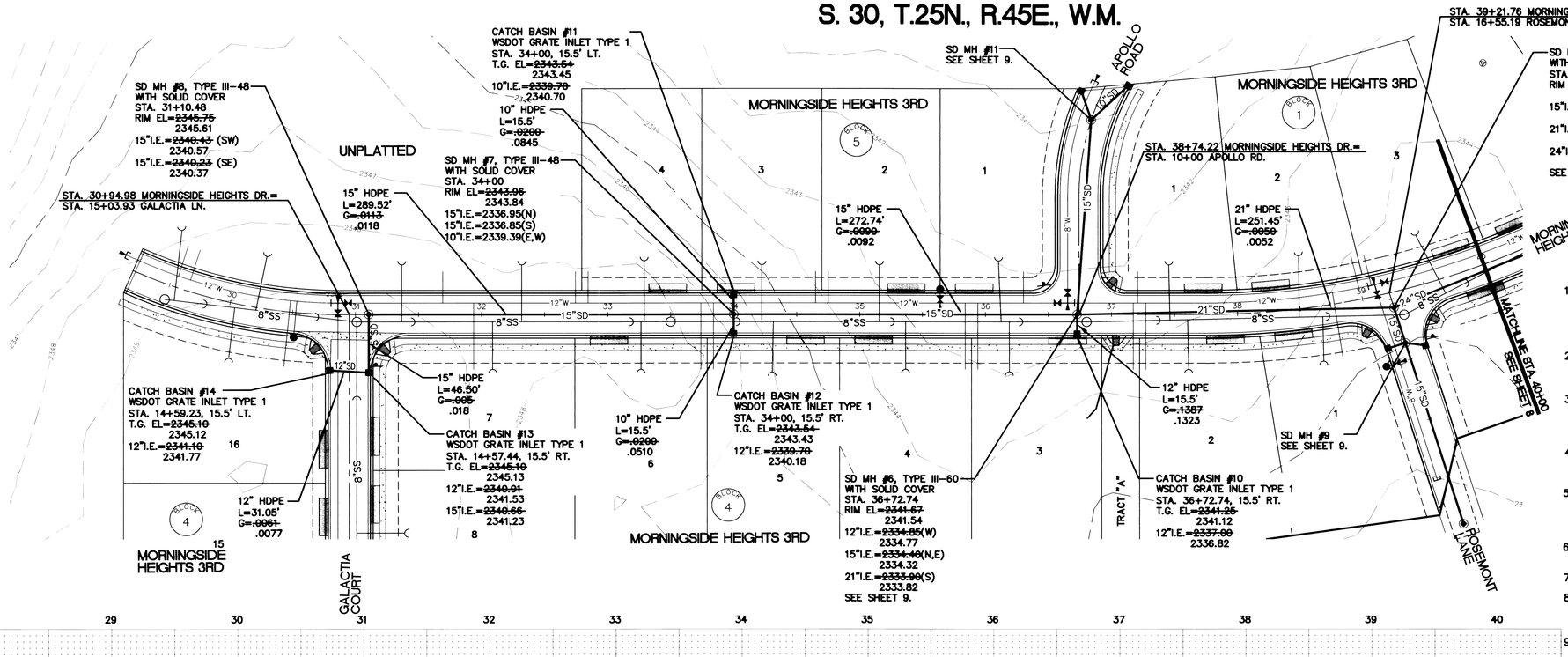
ROAD SECTION AND DETAIL SHEET

STORM SHEET 6/12

P-1769c Eng As Built

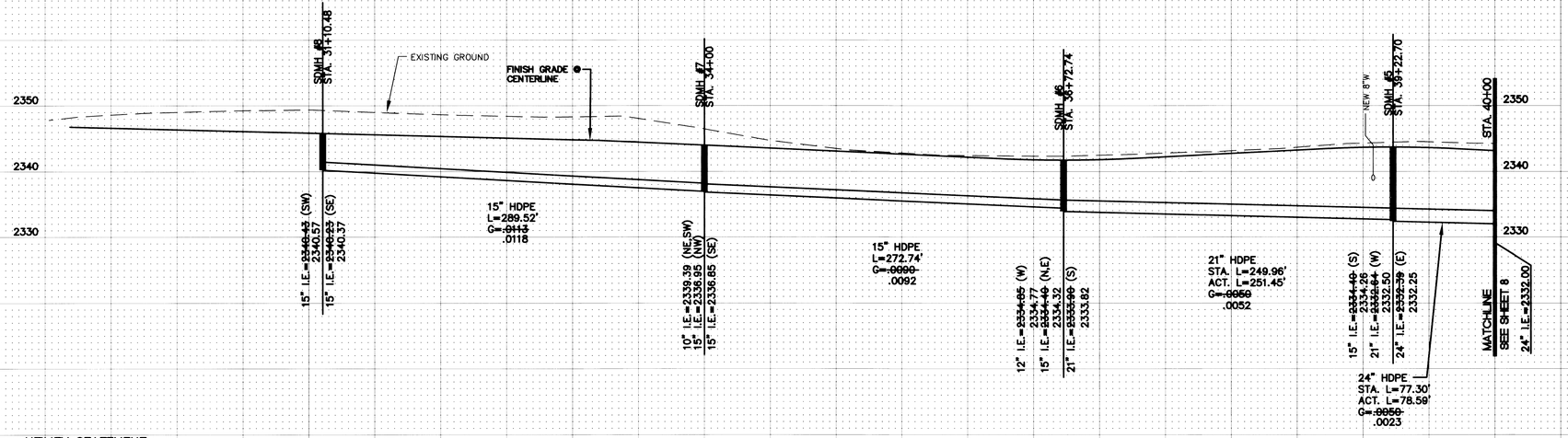
MORNINGSIDE HEIGHTS 3RD ADDITION

S. 30, T.25N., R.45E., W.M.



DRAINAGE NOTES:

1. CONTRACTOR SHALL INSTALL FILTER FABRIC OVER CATCH BASIN GRATES DURING CONSTRUCTION AND PERIODICALLY CLEAN DEBRIS COLLECTED ON FABRIC. IF THE FILTER FABRIC, FOR ANY REASON, IS REMOVED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN OUT THE CATCH BASIN AND REPLACE FILTER FABRIC.
2. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 1995, AND AS AMENDED.
3. 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.
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. MANHOLE TYPE I-48 IS PER SPOKANE COUNTY STANDARD PLAN NO. U-2 WITH RING AND COVER PER SPOKANE COUNTY STANDARD PLAN U-14.
7. GRATE INLET TYPE 1 IS PER WSDOT STANDARD PLAN B-4c.
8. ALL STORM SEWER PIPE AND FITTINGS SHALL BE HIGH DENSITY POLY ETHYLENE (HDPE) AND MEET THE REQUIREMENTS OF AASHTO M 294 TYPE S OR D.
9. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AMOCO 4545 OR APPROVED EQUIVALENT) BETWEEN THE WASHED DRAIN ROCK AND THE NATIVE SOIL.
10. 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 A 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.



TOTAL STA. L=197.94'
TOTAL ACT. L=201.01'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1769C
DATE ACCEPTED: 8/23/05

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED AS ACCURATELY AS POSSIBLE FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. TAYLOR ENGINEERING, INC. MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHER, WE DO NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN EXACT LOCATION INDICATED, ALTHOUGH WE DO CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

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UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

No.	Date	By	Ckd.	Appr.	Revisions
1	2/04	DWC	GRG	MAA	COUNTY COMMENTS 2/11/04
2	7/05	KWE	GRG	MAA	RECORD DRAWING

		Date
Drawn	CWD	01/27/04
Designed	GRG	01/27/04
Checked	MAA	01/27/04

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 8-18-05 — EXPIRES 03/10/07

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W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

Developer's Approval: ORIGINALLY SIGNED BY: RICHARD DAHM, PRESIDENT Date 2-26-04

VERTICAL DATUM: REBAR W/YPC, L.S.#1809, @ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: 03107SD15

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

MORNINGSIDE HEIGHTS 3RD ADD.

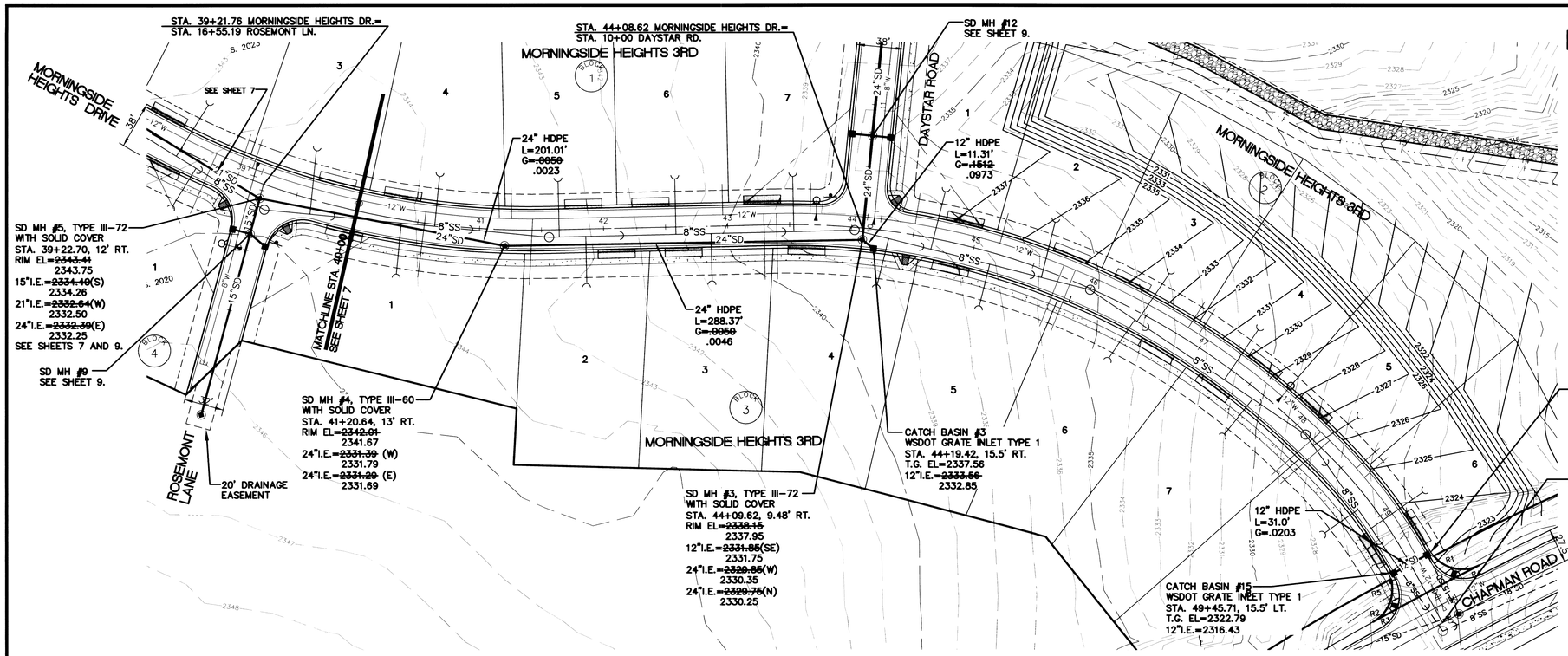
MORNINGSIDE HEIGHTS DRIVE
STA. 29+00 TO STA. 39+22.70

STORM SHEET 7/12

P-1769c Eng As Built

MORNINGSIDE HEIGHTS 3RD ADDITION

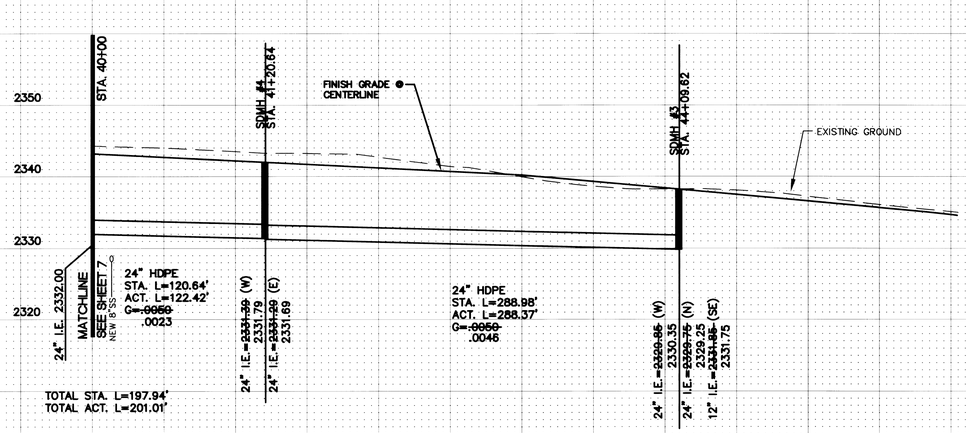
S. 30, T.25N., R.45E., W.M.



NORTH

50 25 0 50 100

SCALE FEET



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769C
DATE ACCEPTED: 8/23/05

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UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

No.	Date	By	Ckd.	Appr.	Revisions
1	2/04	DWC	GRG	MAA	COUNTY COMMENTS 2/11/04
2	8/05	KWE	GRG	MAA	RECORD DRAWING

		Date
Drawn	CWD	01/27/04
Designed	GRG	01/27/04
Checked	MAA	01/27/04

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 7-18-05 — EXPIRES 03/10/07

Taylor Engineering, Inc.
Civil Design and Land Planning
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SPOKANE COUNTY PUBLIC WORKS
DIVISION OF UTILITIES
W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

Developer's Approval ORIGINALLY SIGNED BY: RICHARD DAHM, PRESIDENT Date 2-26-04

VERTICAL DATUM: REBAR W/YPC, L.S.#1809, ● CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: 03107SD25

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

MORNINGSIDE HEIGHTS 3RD ADD.

MORNINGSIDE HEIGHTS DRIVE
STA. 39+22.70 TO STA. 50+00

STORM SHEET 8/12

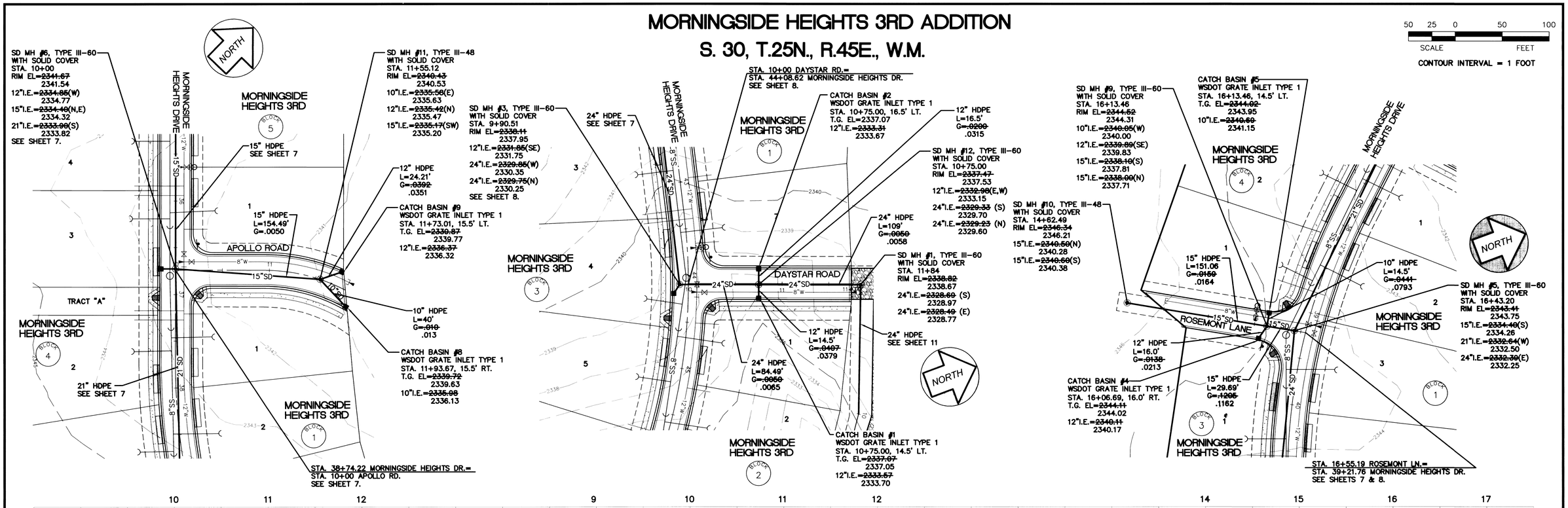
P-1769C Eng As-Builts

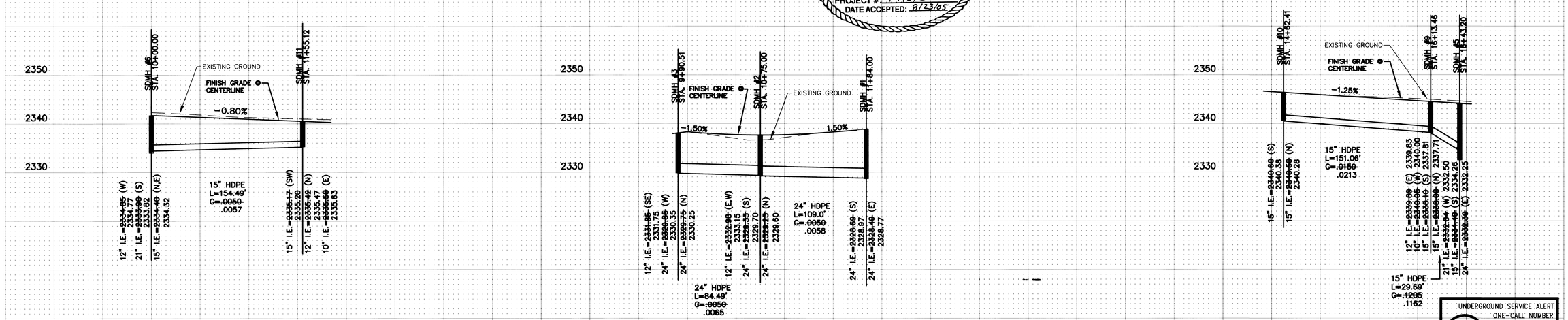
MORNINGSIDE HEIGHTS 3RD ADDITION

S. 30, T.25N., R.45E., W.M.

SCALE 50 25 0 50 100 FEET

CONTOUR INTERVAL = 1 FOOT





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SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P17696
DATE ACCEPTED: 8/23/05

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

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	Ckd.	Appr.	Revisions
1	2/04	DWC	GRG	MAA	COUNTY COMMENTS 2/11/04
2	8/05	KWE	GRG	MAA	RECORD DRAWING

		Date
Drawn	CWD	01/27/04
Designed	GRG	01/27/04
Checked	MAA	01/27/04

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 8-18-05 — EXPIRES 03/10/07

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SPOKANE COUNTY PUBLIC WORKS
DIVISION OF UTILITIES
W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

Developer's Approval ORIGINALLY SIGNED BY: RICHARD DAHM, PRESIDENT Date 2-26-04

VERTICAL DATUM: REBAR W/YPC, L.S.#1809, ⊙ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYSBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: 03107SD35

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

MORNINGSIDE HEIGHTS 3RD ADD.

APOLLO ROAD
STA. 10+00 TO STA. 11+55.12
DAYSTAR ROAD
STA. 9+90.51 TO STA. 11+84
ROSEMONT LANE
STA. 14+62.41 TO STA. 16+43.20

STORM SHEET 9 / 12

P-17696 Eng As Built

MORNINGSIDE HEIGHTS 3RD ADDITION

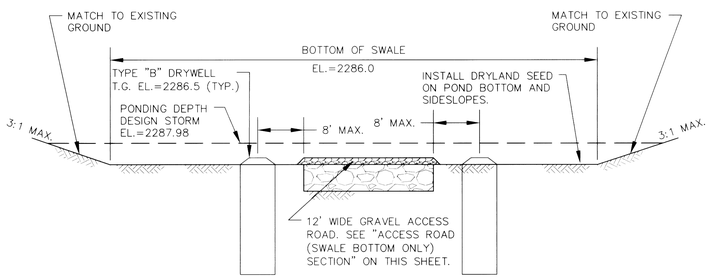
S. 30, T.25N., R.45E., W.M.

NORTH

30 15 0 30 60

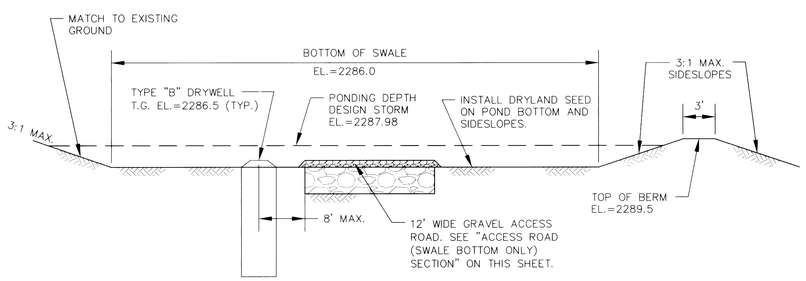
SCALE FEET

CONTOUR INTERVAL = 1 FOOT



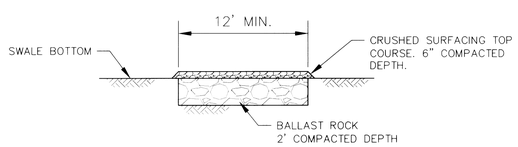
SWALE SECTION A-A

NOT TO SCALE



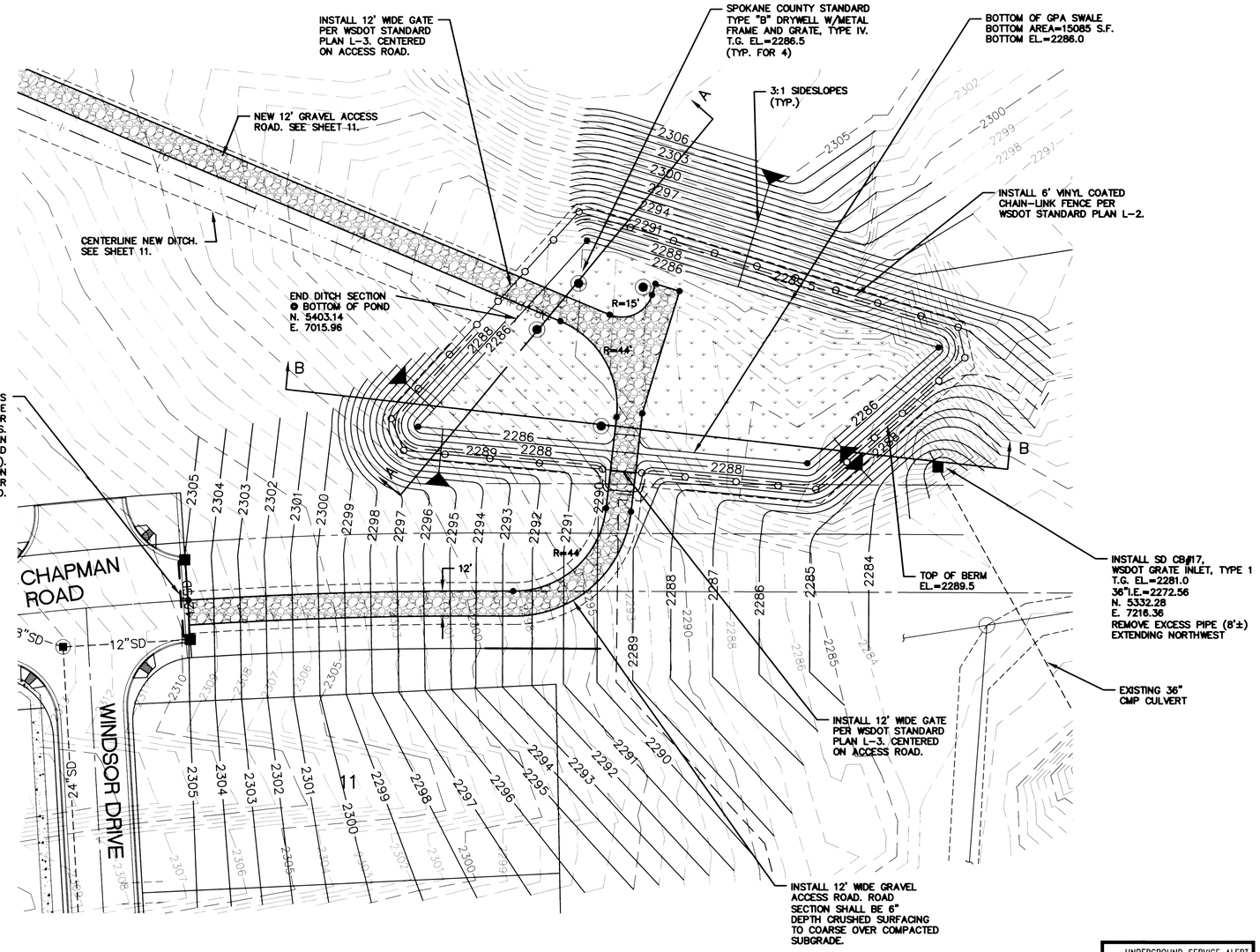
SWALE SECTION B-B

NOT TO SCALE



ACCESS ROAD (SWALE BOTTOM ONLY) SECTION

NOT TO SCALE



UNDERGROUND SERVICE ALERT
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SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769C
DATE ACCEPTED: 8/23/05

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.

UTILITY STATEMENT

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No.	Date	By	Ckd.	Appr.	Revisions
1	2/04	DWC	GRG	MAA	COUNTY COMMENTS 2/11/04
2	8/05	KWE	GRG	MAA	RECORD DRAWING

		Date
Drawn	CWD	01/27/04
Designed	GRG	01/27/04
Checked	MAA	01/27/04

MARK A. ARONSON, STATE OF WASHINGTON, 24681, REGISTERED PROFESSIONAL ENGINEER — 2-18-05 — EXPIRES 03/10/07

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Spokane Wa. 99260
477-3604

Developer's Approval: ORIGINALLY SIGNED BY: RICHARD DAHM, PRESIDENT Date 2-26-04

VERTICAL DATUM: REBAR W/YPC, L.S.#1809, @ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: 03107SD45

SCALE
HORIZ. 1"=30'
VERT. 1"=10'

MORNINGSIDE HEIGHTS 3RD ADD.

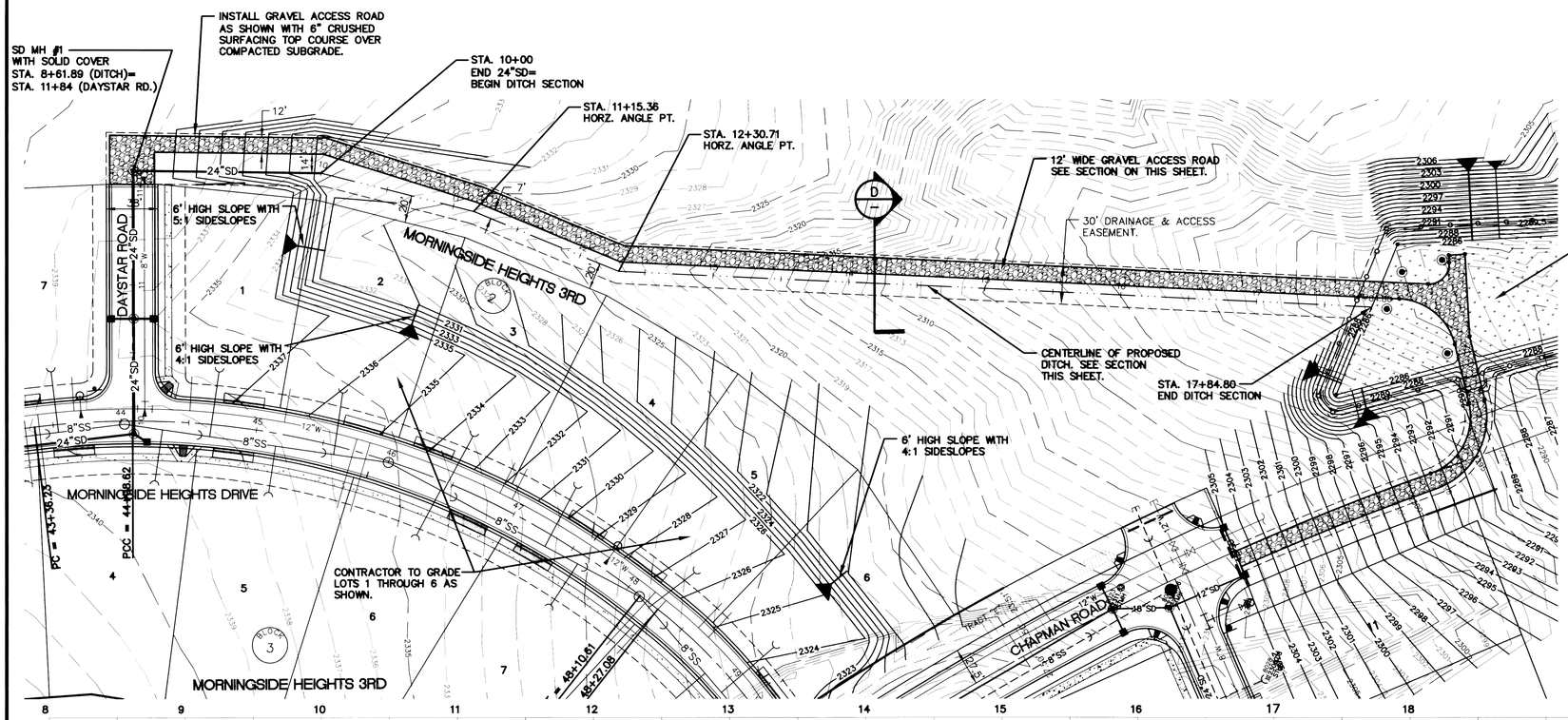
GPA/DETENTION SWALE PLAN

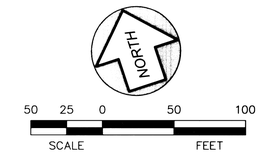
STORM SHEET 10/12

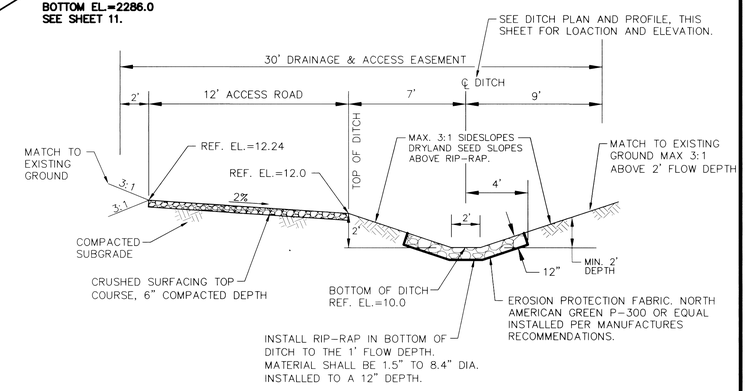
P-1769c Eng As-Built

MORNINGSIDE HEIGHTS 3RD ADDITION

S. 30, T.25N., R.45E., W.M.

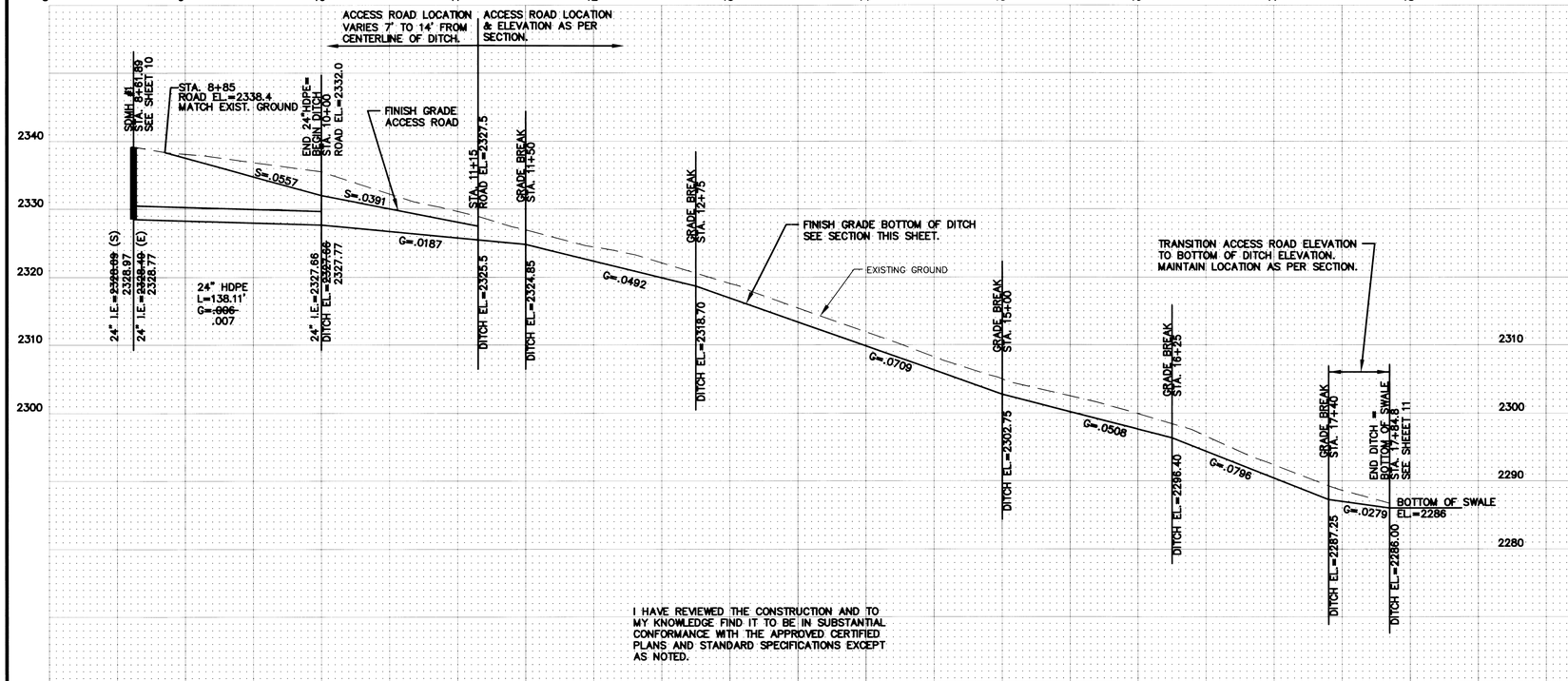






D — TYPICAL DITCH AND ACCESS ROAD SECTION

NOT TO SCALE



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1769C
DATE ACCEPTED: 8/23/05

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	Ckd.	Appr.	Revisions
1	2/04	DWC	GRG	MAA	COUNTY COMMENTS 2/11/04
2	8/05	KWE	GRG	MAA	RECORD DRAWING

Drawn	CWD	01/27/04
Designed	GRG	01/27/04
Checked	MAA	01/27/04

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 8-19-05 — EXPIRES 03/10/07

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Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF UTILITIES
W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

Developer's Approval: ORIGINALLY SIGNED BY RICHARD DAHM, PRESIDENT — Date 2-26-04

VERTICAL DATUM: REBAR W/YPC, L.S.#1809, @ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: 03107SD55

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

MORNINGSIDE HEIGHTS 3RD ADD.

STORM OUTLET PIPE AND DITCH PLAN
STA. 8+61.89 TO STA. 17+84.80

STORM SHEET 11 / 12

P-1769C Eng As-Builts